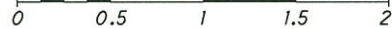


LOCATION MAP

LATITUDE: 41°29'12" LONGITUDE: 81°41'28"

SCALE IN MILES



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
STATE & FEDERAL ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

SEE DWG. NO. DD-002.

DESIGN EXCEPTIONS

- DESIGN EXCEPTION SHOULDER WIDTH - DEC. 11, 2009
- ONTARIO RAMP HORIZONTAL ALIGNMENT - DEC. 11, 2009
- ONTARIO RAMP VERTICAL ALIGNMENT - MAR 11, 2011
- E9TH RAMP HORIZONTAL ALIGNMENT - DEC. 11, 2009

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: **1-800-925-0988**

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
CUY-90-14.90
CITY OF CLEVELAND
CUYAHOGA COUNTY

(INDEX OF SHEETS SEE DWG. NO. IN-050)

SURVEY CONTROL

PROJECT DESCRIPTION

CONSTRUCTION OF 1.52 MILES OF URBAN INTERSTATE ON I.R. 90 IN CUYAHOGA COUNTY. THIS INCLUDES CONSTRUCTION OF A NEW BRIDGE OVER THE CUYAHOGA RIVER VALLEY ON I-90 THAT WILL ACCOMMODATE 6 LANES OF BI-DIRECTIONAL TRAFFIC AND 5 LANES OF TRAFFIC WESTBOUND THROUGH TRAFFIC FOLLOWING FUTURE INNERBELT CONSTRUCTION CONTRACTS. THIS PROJECT ALSO INCLUDES RECONFIGURATION OF 4 PARTIAL INTERCHANGES, THE CONSTRUCTION OF 3 NEW BRIDGES AND 2 NEW LOCAL ROADWAYS, THE RECONSTRUCTION AND REALIGNMENTS OF 3 LOCAL ROADWAYS, THE REHABILITATION AND RECONSTRUCTION OF 11 BRIDGES, AND RESURFACING OF MANY LOCAL STREETS CONNECTED TO THE PROJECT.

THIS PACKAGE INCLUDES HORIZONTAL AND VERTICAL CONTROL INFORMATION COMMON TO ALL PACKAGES.

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS AS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



DATE	REVISIONS
04/13/2011	FINAL SUBMITTAL
04/28/2011	FINAL SUBMITTAL TO ODOT
05/17/2011	APPROVED FOR CONSTRUCTION

DESIGN AGENCY
WALSH HNTB
CONSTRUCTION PROJECT NO.
10-3000

RAILROAD INVOLVEMENT
**NORFOLK SOUTHERN RAILROAD
CSX RAILROAD GCRTA**

FEDERAL PROJECT NO.
**E090(546)
E100(247)**

PID NO.
77332 / 85531

DELIVERABLE ID.
1011 - SURVEY CONTROL

DWG. NO.
**CUY-90-14.90
1
22**

WALSH HNTB
WALSH CONSTRUCTION
929 West Adams Street
Chicago, IL 60607

1100 Superior Avenue, Suite 1330
Cleveland, OH 44114

Independent Design Quality Manager
Released For Construction

Kenneth J. Wight **MAY 26 2011**
Name Date

ENGINEERS SEAL:	STANDARD CONSTRUCTION DRAWINGS					SUPPLEMENTAL SPECIFICATIONS
SIGNED: _____ DATE: _____						
ENGINEERS SEAL:						
SIGNED: _____ DATE: _____						SPECIAL PROVISIONS

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

ISSUE NO.	RECORD DATE	PAGE NO.	DWG NO.	SHEET TITLE
1	05/17/2011	1	TI-050	TITLE SHEET
2	02/16/2012	2	IN-050	INDEX OF SHEETS
1	05/17/2011	3	DD-002	DESIGN DESIGNATIONS
2	02/16/2012	4	SP-001	SCHEMATIC PLAN; INTERCHANGE SCHEMATIC; STA. 97+02.05 TO STA. 150+00
2	02/16/2012	5	SP-002	SCHEMATIC PLAN; INTERCHANGE SCHEMATIC; STA. 150+00 TO STA. 535+00.00
1	05/17/2011	6	SP-003	SCHEMATIC PLAN; BI-DIRECTIONAL INTERCHANGE SCHEMATIC
1	05/17/2011	7	SP-004	SCHEMATIC PLAN; BI-DIRECTIONAL INTERCHANGE SCHEMATIC
1	05/17/2011	8	SP-005	SCHEMATIC PLAN CURVE DATA
2	02/16/2012	9	SP-006	SCHEMATIC PLAN CURVE DATA
2	02/16/2012	10	SP-007	SCHEMATIC PLAN CURVE DATA
2	02/16/2012	11	SP-008	SCHEMATIC PLAN CURVE DATA
1	05/17/2011	12	SP-009	SCHEMATIC PLAN CURVE DATA
2	02/16/2012	13	SP-010	SCHEMATIC PLAN CURVE DATA
2	02/16/2012	14	SP-015	SCHEMATIC PLAN ALIGNMENT; ALIGNMENT INTERSECTION TABLE
2	02/16/2012	15	SP-016	SCHEMATIC PLAN ALIGNMENT; ALIGNMENT INTERSECTION TABLE
1	05/17/2011	16	BM-001	BENCHMARK REFERENCE POINTS
1	05/17/2011	17	BM-002	BENCHMARK REFERENCE POINTS
1	05/17/2011	18	BM-003	BENCHMARK REFERENCE POINTS
1	05/17/2011	19	BM-004	BENCHMARK REFERENCE POINTS
1	05/17/2011	20	SC-002	SURVEY CONTROL POINTS
1	05/17/2011	21	SC-003	SURVEY CONTROL POINTS
1	05/17/2011	22	SC-005	BASELINE OF SURVEY CONTROL POINTS


 2/20/2012

REVISIONS:	NO.	DATE	DESCRIPTION
02/16/2012	1	02/16/2012	IN-050, SP-001, SP-002, SP-006, SP-007, SP-008, SP-010, SP-015, SP-016, REVISED FOR MISCELLANEOUS REVISIONS TO C INFORMATION.

Independent Design Quality Manager
Released For Construction
 FEB 28 2012
 Name Date



DESIGNED	CHECKED	DATE	NO.	REVISIONS	DATE
2	22	02/16/2012	1	APPROVED FOR CONSTRUCTION	02/16/2012
		A	FINAL SUBMITTAL TO ODOT	APPROVED FOR CONSTRUCTION	04/28/2011
		B	FINAL SUBMITTAL TO ODOT	APPROVED FOR CONSTRUCTION	05/17/2011
		1	APPROVED FOR CONSTRUCTION	APPROVED FOR CONSTRUCTION	05/17/2011
		2	NDC 0051	APPROVED FOR CONSTRUCTION	02/16/2012



DESIGN AGENCY
Walsh Construction



DESIGN AGENCY
HNTB



INDEX OF SHEETS

CUY - 90 - 14.90

DWG. NO.
IN-050

DESIGN DESIGNATIONS

ALIGNMENT NAME	BUILD YEAR ADT (2015)	DESIGN YEAR ADT (2035)	DESIGN HOURLY VOLUME (2035)	DIRECTIONAL DISTRIBUTION	TRUCKS (24 HOUR B&C)	DESIGN SPEED (MPH)	DESIGN FUNCTIONAL CLASSIFICATION
PROPOSED I-90 WB	67,000	71,000	8,120	-	8%	60	URBAN INTERSTATE
EXISTING I-90 WB	NA	NA	NA	NA	NA	60	URBAN INTERSTATE
PROPOSED I-90 WB TEMP	NA	NA	NA	NA	NA	60*	URBAN INTERSTATE
PROPOSED I-90 EB BI-DIRECTIONAL EAST	NA	NA	NA	NA	NA	40	NA
PROPOSED I-90 EB BI-DIRECTIONAL WEST	NA	NA	NA	NA	NA	50	NA
PROPOSED I-90 WB BI-DIRECTIONAL EAST	NA	NA	NA	NA	NA	45	NA
PROPOSED I-90 WB BI-DIRECTIONAL WEST	NA	NA	NA	NA	NA	50	NA
RAMP A3	6,900	7,800	1,020	-	4%	30 (MIN)	DIAMOND RAMP
RAMP A4	6,800	7,000	770	-	3%	30 (MIN)	DIAMOND RAMP
RAMP A5	8,500	9,900	1,380	-	5%	30 (MIN)	DIAMOND RAMP
RAMP A6	2,900	3,100	290	-	7%	25 (MIN)	LOOP RAMP
RAMP A7	NA	NA	NA	NA	NA	50	NA
EAST 9TH STREET (BETWEEN ORANGE AND BROADWAY)	10,400	11,100	1,030	90%	NA	30	FUTURE URBAN COLLECTOR
EAST 9TH STREET (NORTH OF ONTARIO)	32,600	32,300	2,970	67%	NA	30	URBAN ARTERIAL
BROADWAY AVENUE (9th to 14th)	10,600	12,400	970	56%	NA	30	URBAN COLLECTOR
BROADWAY AVENUE (E of 14th)	13,400	14,000	1,420	55%	NA	30	URBAN ARTERIAL
CANAL ROAD	NA	NA	NA	NA	NA	30	URBAN COLLECTOR
CARNEGIE AVENUE	20,900	24,000	2,320	71%	NA	30	URBAN ARTERIAL
CENTRAL VIADUCT WAY	NA	NA	NA	NA	NA	25	URBAN LOCAL
COMMERCIAL ROAD	NA	NA	NA	NA	NA	25	URBAN COLLECTOR, FUTURE URBAN LOCAL
EAST 14TH STREET	17,200	19,100	1,860	78%	NA	30	URBAN ARTERIAL
EAST 21ST STREET	7,800	8,800	1,320	-	NA	NA	NA
EAST 22ND STREET	11,500	11,800	1,350	-	NA	NA	NA
FAIRFIELD AVENUE	1,500	1,500	170	76%	NA	30	URBAN COLLECTOR
KENILWORTH AVENUE	NA	NA	NA	NA	NA	30	URBAN LOCAL
ONTARIO STREET	33,700	33,200	3,660	64%	NA	30	URBAN ARTERIAL
ORANGE AVENUE	23,100	23,300	2,200	76%	NA	30	URBAN ARTERIAL
STARKWEATHER AVENUE	NA	NA	NA	NA	NA	30	URBAN LOCAL
ABBAY AVENUE	1,500	1,200	140	86%	NA	30	URBAN COLLECTOR
WEST 14TH STREET	11,900	12,300	1,340	81%	NA	30	URBAN COLLECTOR
WEST 14TH STREET EXTENSION	3,500	3,600	390	-	NA	25	FUTURE URBAN COLLECTOR
WEST THIRD STREET	NA	NA	NA	NA	NA	30	URBAN COLLECTOR
CEDAR AVENUE	NA	NA	NA	NA	NA	NA	NA
UNIVERSITY ROAD	NA	NA	NA	NA	NA	30	URBAN LOCAL
TOWPATH TRAIL	NA	NA	NA	NA	NA	20	SHARED USE PATH
E 9TH ST. (BETWEEN CANAL & BROADWAY)	3,400	3,600	390	56%	35%	30	FUTURE URBAN COLLECTOR

Independent Design Quality Manager
Released For Construction
[Signature]
 Name
 MAY 26 2011
 Date

LEGEND
 NA = NOT AVAILABLE
 - = NOT APPLICABLE

NHS PROJECT = YES
 *50 MPH IN CROSSOVER AREAS



DATE	REVISIONS	NO.
04/12/2011	FINAL SUBMITTAL	A
04/28/2011	FINAL SUBMITTAL TO ODOT	B
05/17/2011	APPROVED FOR CONSTRUCTION	1



SURVEY CONTROL

DESIGN DESIGNATIONS

CUY-90-14.90

DWG. NO. DD-002

DESIGNED: 3
 CHECKED: 22



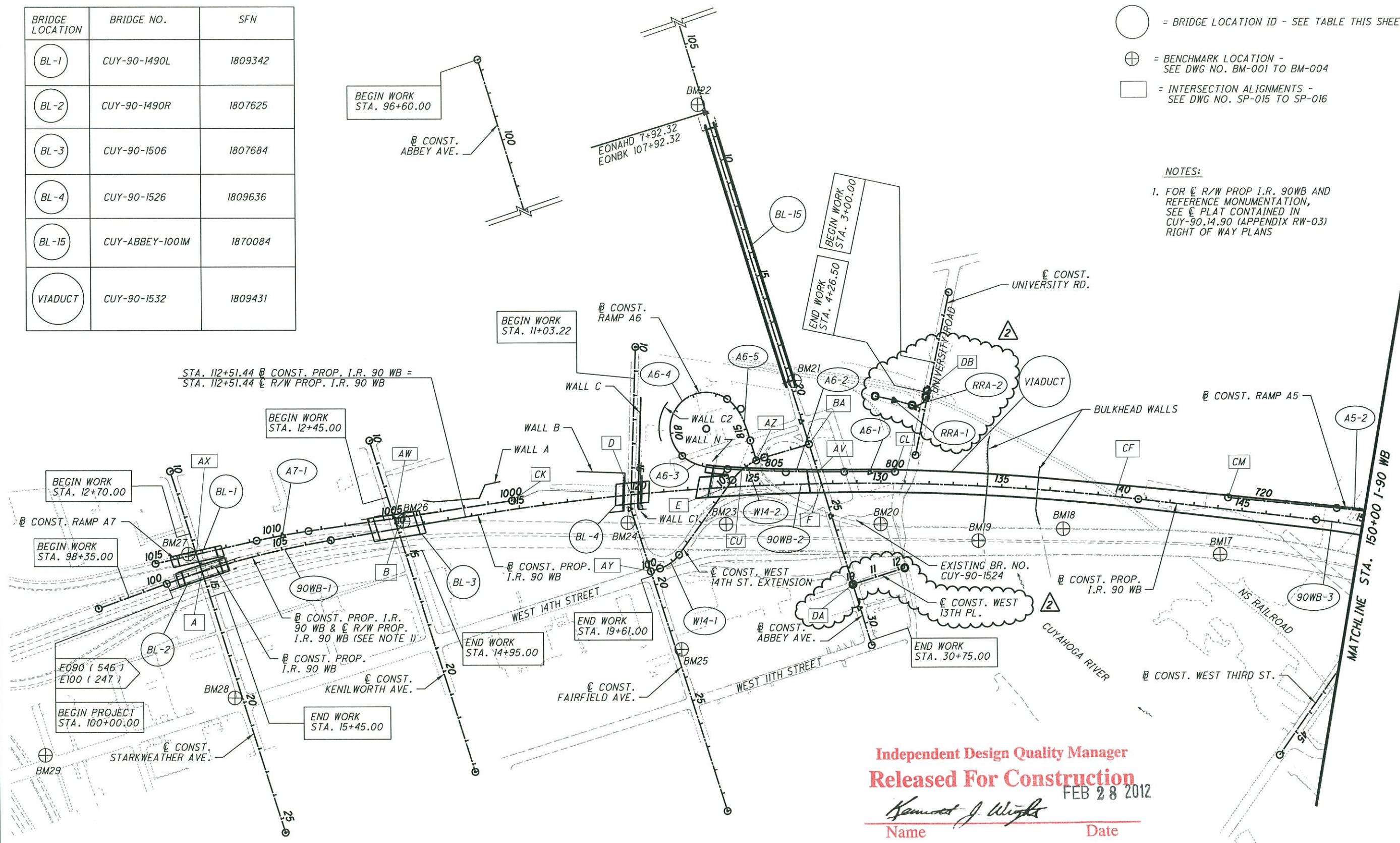
BRIDGE LOCATION	BRIDGE NO.	SFN
BL-1	CUY-90-1490L	1809342
BL-2	CUY-90-1490R	1807625
BL-3	CUY-90-1506	1807684
BL-4	CUY-90-1526	1809636
BL-15	CUY-ABBEEY-100IM	1870084
VIADUCT	CUY-90-1532	1809431

LEGEND

- = CURVE ID - SEE DWG NO. SP-005 TO SP-010
- = BRIDGE LOCATION ID - SEE TABLE THIS SHEET
- = BENCHMARK LOCATION - SEE DWG NO. BM-001 TO BM-004
- = INTERSECTION ALIGNMENTS - SEE DWG NO. SP-015 TO SP-016

NOTES:

1. FOR C/R/W PROP. I.R. 90WB AND REFERENCE MONUMENTATION, SEE C/PLAT CONTAINED IN CUY-90.14.90 (APPENDIX RW-03) RIGHT OF WAY PLANS



NO.	REVISIONS	DATE
B	REVISIONS TO INTERIM SUBMITTAL	12/28/2010
C	ADDENDUM TO INTERIM SUBMITTAL	01/25/2011
D	UNIT 2 FABRICATION TO HIGH STEEL	02/14/2011
E	FINAL SUBMITTAL - ESTH	03/02/2011
F	FINAL SUBMITTAL TO ODOT	04/13/2011
G	FINAL SUBMITTAL TO ODOT	04/28/2011
H	APPROVED FOR CONSTRUCTION	05/11/2011
I		05/17/2011
J		02/16/2012

DESIGN AGENCY: **WASH HNTB**

DESIGNER: **WASH HNTB**

CONTRACTOR: **UNIVERSITY BRIDGES**

SURVEY CONTROL

SCHMATIC PLAN INTERCHANGE SCHEMATIC STA. 97+02.05 TO STA. 150+00

Scale: 1" = 400'

CUY-90-14.90

DWG. NO. SP-001

4/22

Independent Design Quality Manager
Released For Construction
 FEB 28 2012
Kenneth J. Wright
 Name _____ Date _____

2/16/2012 4:18:41 PM
 Model: Sheet1
 File: 49633-S-RD-EXH04.dgn

BRIDGE LOCATION	BRIDGE NO.	SFN
BL-1	CUY-90-1490L	1809342
BL-2	CUY-90-1490R	1807625
BL-3	CUY-90-1506	1807684
BL-4	CUY-90-1526	1809636
BL-15	CUY-ABBEY-100IM	1870084
VIADUCT	CUY-90-1532	1809431

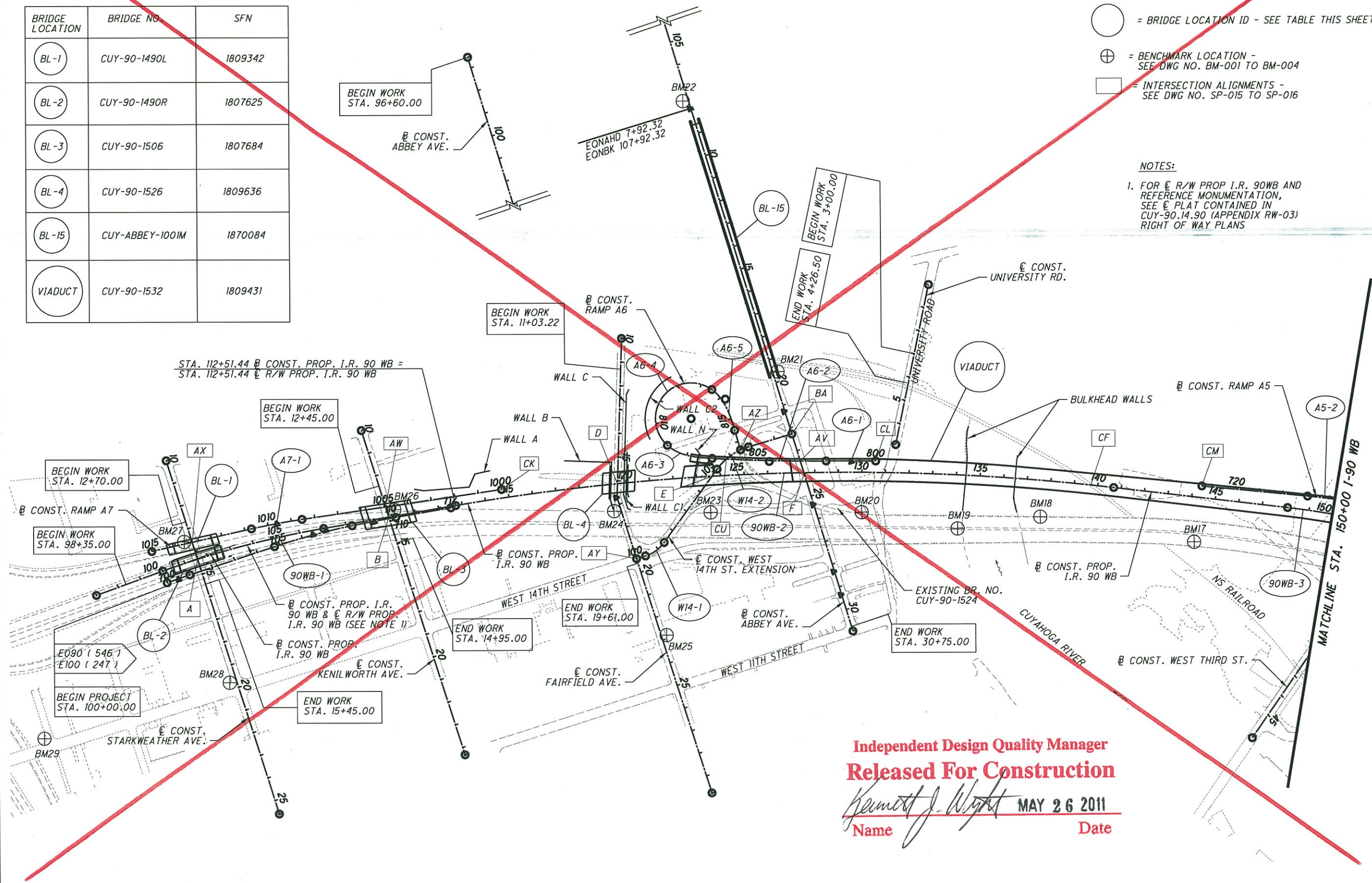
LEGEND

- = CURVE ID - SEE DWG NO. SP-005 TO SP-010
- = BRIDGE LOCATION ID - SEE TABLE THIS SHEET
- = BENCHMARK LOCATION - SEE DWG NO. BM-001 TO BM-004
- = INTERSECTION ALIGNMENTS - SEE DWG NO. SP-015 TO SP-016

NOTES:
 1. FOR \odot R/W PROP. I.R. 90WB AND REFERENCE MONUMENTATION, SEE \odot PLAT CONTAINED IN CUY-90.14.90 (APPENDIX RW-03) RIGHT OF WAY PLANS



DATE	REVISIONS	NO.
12/05/2010	INTERIM SUBMITTAL	A
12/29/2010	REVISIONS TO INTERIM SUBMITTAL	B
01/25/2011	ADDENDUM TO INTERIM SUBMITTAL	C
02/14/2011	UNIT 2 FABRICATIONAL - HIGH STEEL	D
03/10/2011	FINAL SUBMITTAL - E0TH	E
04/13/2011	FINAL SUBMITTAL TO ODOT	F
04/28/2011	FINAL SUBMITTAL TO ODOT	G
05/17/2011	APPROVED FOR CONSTRUCTION	H



DESIGN AGENCY: **WALSH HNTB**

DESIGNER: **WALSH HNTB**

CONTRACTOR: **AMERIBUILDERS**

SURVEY CONTROL: **AMERIBUILDERS**

SCHEMATIC PLAN INTERCHANGE SCHEMATIC STA. 97+02.05 TO STA. 150+00

**Independent Design Quality Manager
 Released For Construction**

Name: *Kenneth J. Wright* Date: **MAY 26 2011**

DESIGNED: **4**

CHECKED: **22**

DWG. NO. SP-001

SCALE: 1" = 400'

ORIENTED NORTH

Independent Design Quality Manager
Released For Construction

FEB 28 2012

Harold J. Wright
Name

Date



NO.	REVISIONS	DATE
B	REVISIONS TO INTERIM SUBMITTAL	12/29/2010
C	ADDENDUM TO INTERIM SUBMITTAL	01/25/2011
D	UNIT 2 FABRICATION TO HIGH STEEL	02/14/2011
E	FINAL SUBMITTAL - E9TH	03/10/2011
F	FINAL SUBMITTAL TO ODOT	04/13/2011
G	FINAL SUBMITTAL FOR CONSTRUCTION	04/28/2011
I		05/11/2011
2	NOC 0051	02/16/2012

DESIGN AGENCY
WASH HNTB



SURVEY CONTROL



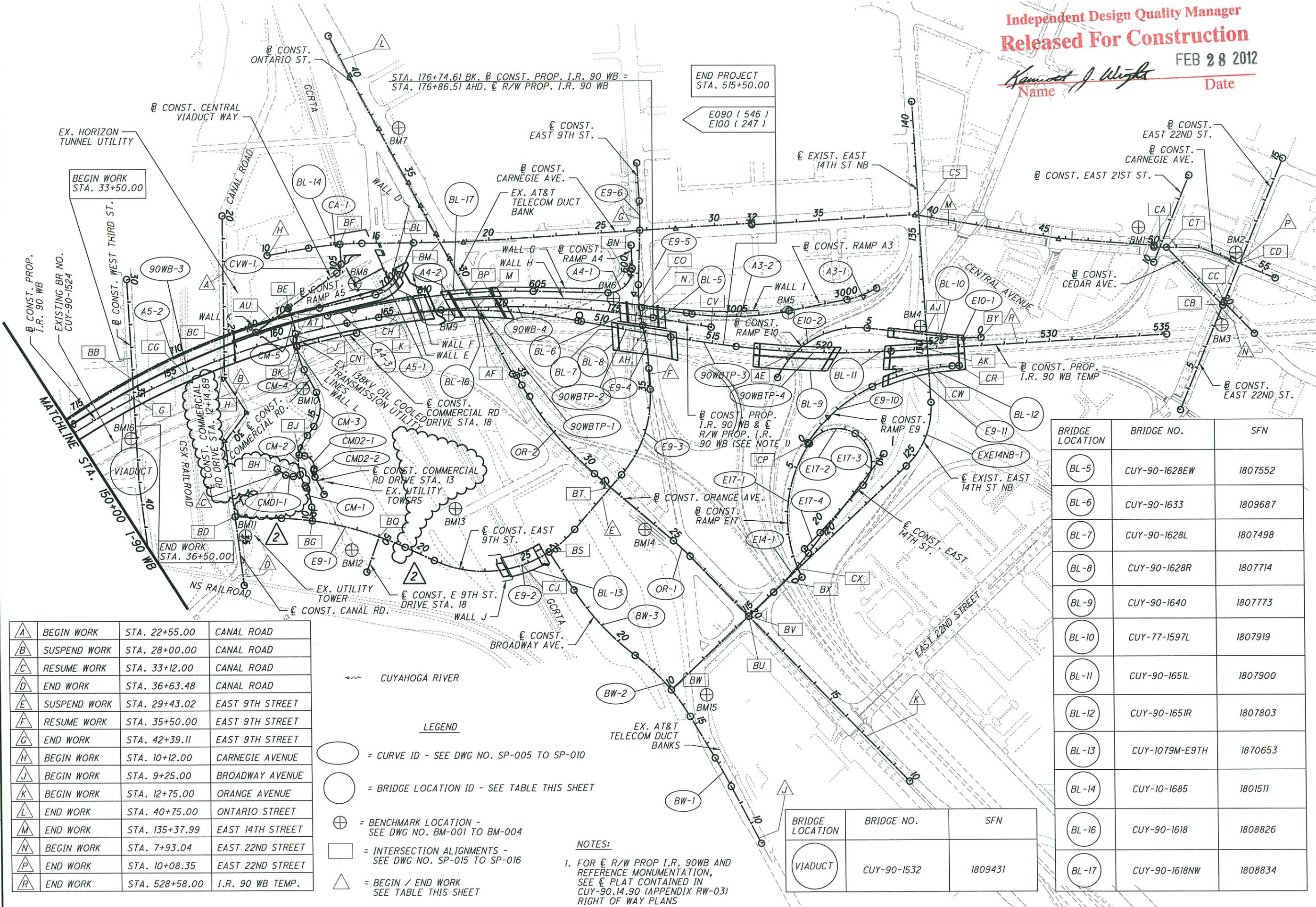
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**SCHEMATIC PLAN
INTERCHANGE SCHEMATIC
STA. 150+00 TO STA. 535+00.00**

CUY -90-14.90

DWG. NO. SP-002

5
22



A	BEGIN WORK	STA. 22+55.00	CANAL ROAD
B	SUSPEND WORK	STA. 28+00.00	CANAL ROAD
C	RESUME WORK	STA. 33+12.00	CANAL ROAD
D	END WORK	STA. 36+63.48	CANAL ROAD
E	SUSPEND WORK	STA. 29+43.02	EAST 9TH STREET
F	RESUME WORK	STA. 35+50.00	EAST 9TH STREET
G	END WORK	STA. 42+39.11	EAST 9TH STREET
H	BEGIN WORK	STA. 10+12.00	CARNEGIE AVENUE
J	BEGIN WORK	STA. 9+25.00	BROADWAY AVENUE
K	BEGIN WORK	STA. 12+75.00	ORANGE AVENUE
L	END WORK	STA. 40+75.00	ONTARIO STREET
M	END WORK	STA. 135+37.99	EAST 14TH STREET
N	BEGIN WORK	STA. 7+93.04	EAST 22ND STREET
P	END WORK	STA. 10+08.35	EAST 22ND STREET
R	END WORK	STA. 528+58.00	I.R. 90 WB TEMP.

- LEGEND**
- = CURVE ID - SEE DWG NO. SP-005 TO SP-010
 - = BRIDGE LOCATION ID - SEE TABLE THIS SHEET
 - = BENCHMARK LOCATION - SEE DWG NO. BM-001 TO BM-004
 - = INTERSECTION ALIGNMENTS - SEE DWG NO. SP-015 TO SP-016
 - = BEGIN / END WORK SEE TABLE THIS SHEET

NOTES:
1. FOR ϵ R/W PROP I.R. 90WB AND REFERENCE MONUMENTATION, SEE ϵ PLAT CONTAINED IN CUY-90.14.90 (APPENDIX RW-03) RIGHT OF WAY PLANS

BRIDGE LOCATION	BRIDGE NO.	SFN
VIADUCT	CUY-90-1532	1809431

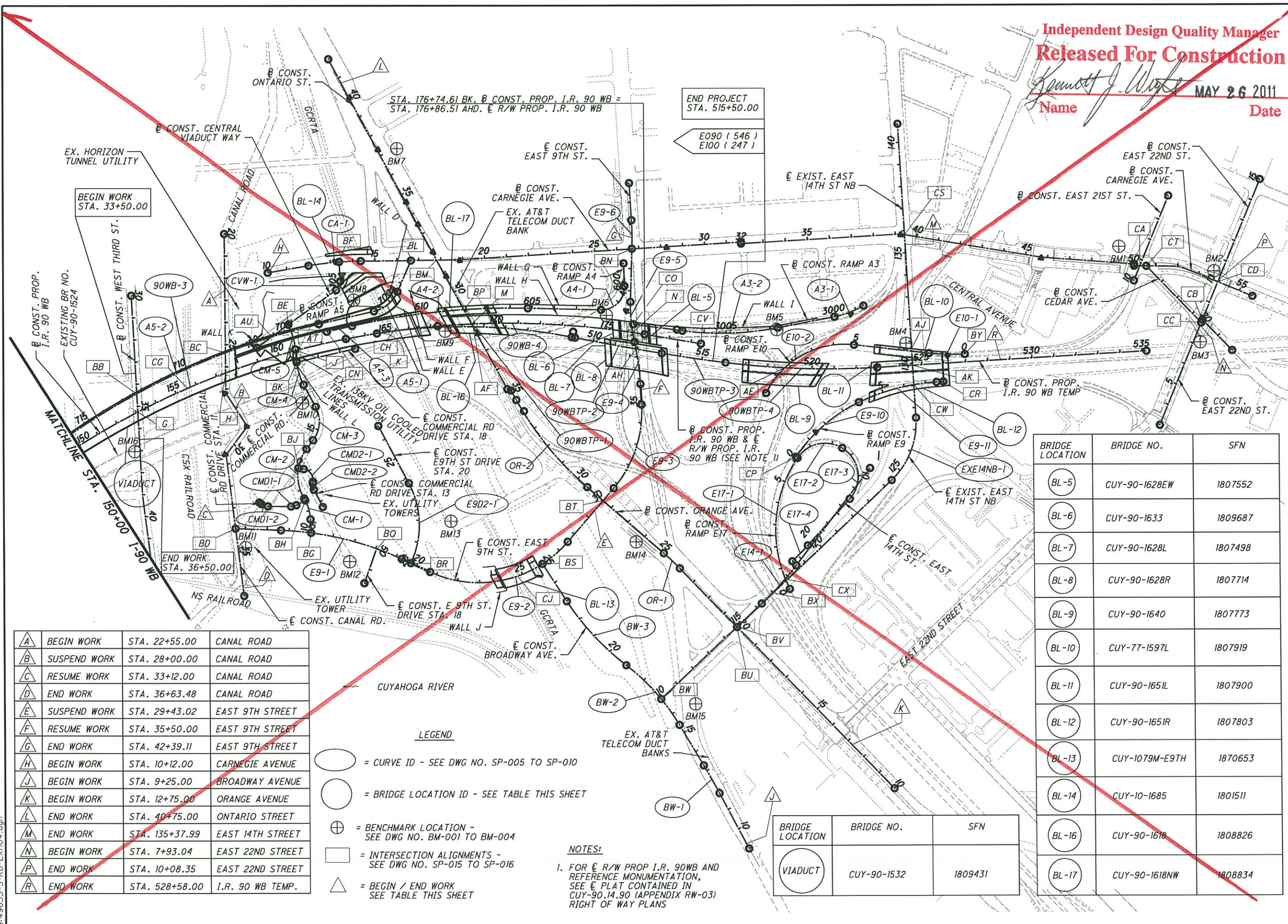
BRIDGE LOCATION	BRIDGE NO.	SFN
BL-5	CUY-90-1628EW	1807552
BL-6	CUY-90-1633	1809687
BL-7	CUY-90-1628L	1807498
BL-8	CUY-90-1628R	1807714
BL-9	CUY-90-1640	1807773
BL-10	CUY-77-1597L	1807919
BL-11	CUY-90-1651L	1807900
BL-12	CUY-90-1651R	1807803
BL-13	CUY-1079M-E9TH	1870653
BL-14	CUY-10-1685	1801511
BL-16	CUY-90-1618	1808826
BL-17	CUY-90-1618NW	1808834

Independent Design Quality Manager
Released For Construction

Name: *James J. White* Date: MAY 26 2011



DATE	REVISIONS
12/08/2010	INTERIM SUBMITTAL
12/29/2010	REVISIONS TO INTERIM SUBMITTAL
01/25/2011	ADDENDUM TO INTERIM SUBMITTAL
02/14/2011	UNIT 2 FABRICATION TO HIGH STEEL
03/10/2011	FINAL SUBMITTAL - EARTH
04/13/2011	FINAL SUBMITTAL TO ODOT
04/28/2011	FINAL SUBMITTAL TO ODOT
05/17/2011	APPROVED FOR CONSTRUCTION



Symbol	Description	Station	Location
A	BEGIN WORK	STA. 22+55.00	CANAL ROAD
B	SUSPEND WORK	STA. 28+00.00	CANAL ROAD
C	RESUME WORK	STA. 33+12.00	CANAL ROAD
D	END WORK	STA. 36+63.48	CANAL ROAD
E	SUSPEND WORK	STA. 29+43.02	EAST 9TH STREET
F	RESUME WORK	STA. 35+50.00	EAST 9TH STREET
G	END WORK	STA. 42+39.11	EAST 9TH STREET
H	BEGIN WORK	STA. 10+12.00	CARNEGIE AVENUE
J	BEGIN WORK	STA. 9+25.00	BROADWAY AVENUE
K	BEGIN WORK	STA. 12+75.00	ORANGE AVENUE
L	END WORK	STA. 40+75.00	ONTARIO STREET
M	END WORK	STA. 135+37.99	EAST 14TH STREET
N	BEGIN WORK	STA. 7+93.04	EAST 22ND STREET
P	END WORK	STA. 10+08.35	EAST 22ND STREET
R	END WORK	STA. 528+58.00	I.R. 90 WB TEMP.

- LEGEND**
- = CURVE ID - SEE DWG NO. SP-005 TO SP-010
 - = BRIDGE LOCATION ID - SEE TABLE THIS SHEET
 - + = BENCHMARK LOCATION - SEE DWG NO. BM-001 TO BM-004
 - = INTERSECTION ALIGNMENTS - SEE DWG NO. SP-015 TO SP-016
 - = BEGIN / END WORK SEE TABLE THIS SHEET

NOTES:

- FOR ϵ R/W PROP I.R. 90WB AND REFERENCE MONUMENTATION, SEE ϵ PLAT CONTAINED IN CUY-90.14.90 (APPENDIX RW-03) RIGHT OF WAY PLANS

BRIDGE LOCATION	BRIDGE NO.	SFN
BL-5	CUY-90-1628EW	1807552
BL-6	CUY-90-1633	1809687
BL-7	CUY-90-1628L	1807498
BL-8	CUY-90-1628R	1807714
BL-9	CUY-90-1640	1807773
BL-10	CUY-77-1597L	1807919
BL-11	CUY-90-1651L	1807900
BL-12	CUY-90-1651R	1807803
BL-13	CUY-1079M-E9TH	1870653
BL-14	CUY-10-1685	1801511
BL-16	CUY-90-1618	1808826
BL-17	CUY-90-1618NW	1808834

BRIDGE LOCATION	BRIDGE NO.	SFN
VIADUCT	CUY-90-1532	1809431

DESIGN AGENCY: **WALSH HNTB**

CONTRACT NO.: **CUY-90-14.90**

PROJECT TITLE: **SCHEMATIC PLAN INTERCHANGE SCHEMATIC STA. 150+00 TO STA. 535+00.00**

SCALE: **HORIZONTAL SCALE IN FEET**

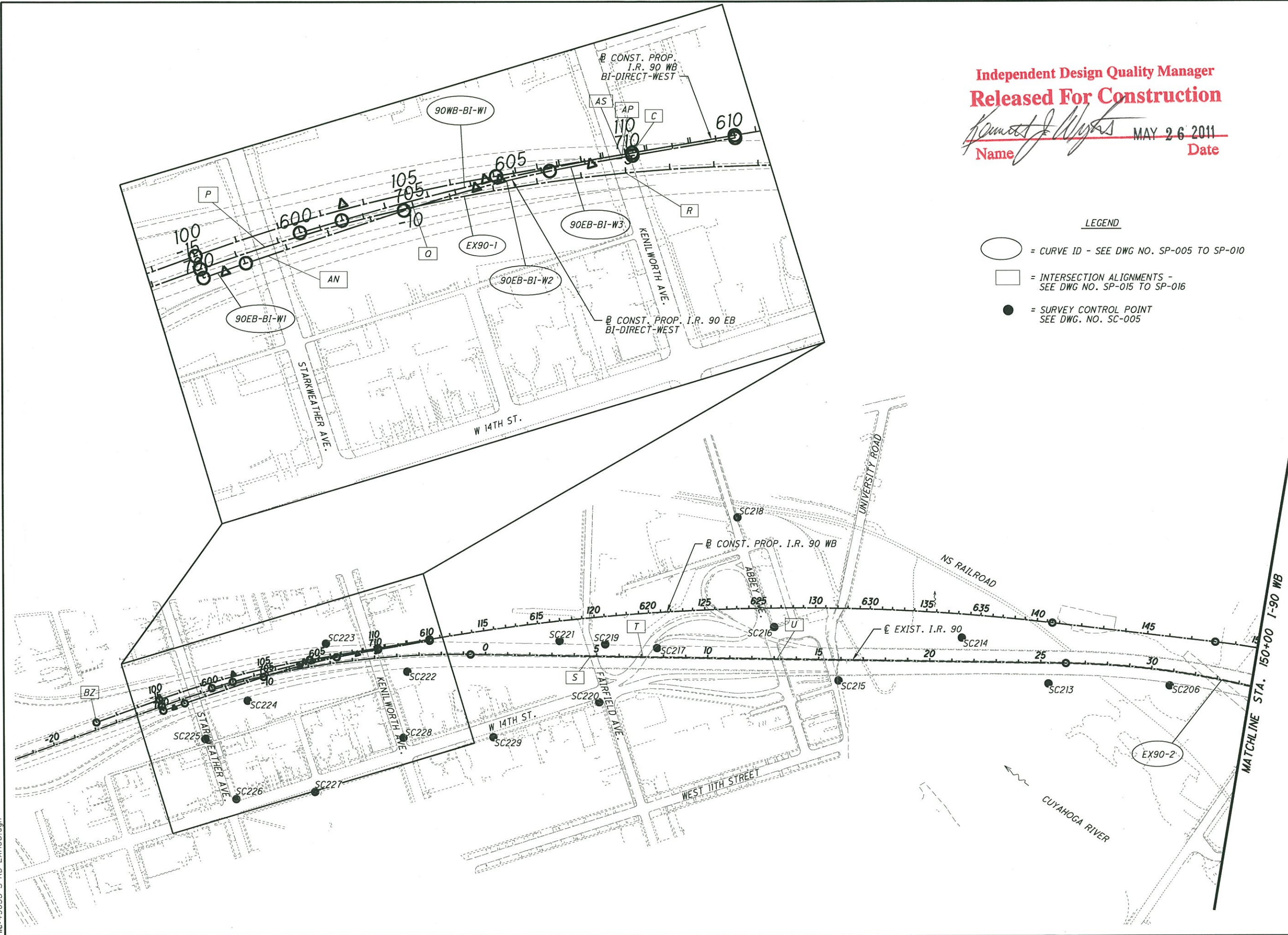
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DESIGNED: **5**

CHECKED: **22**

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5/19/2011 8:28:01 AM
 Model:Sheet1
 File:49633-S-RD-EXH05.dgn



**Independent Design Quality Manager
 Released For Construction**

Kenneth J. Wright **MAY 26 2011**
 Name Date

LEGEND

- = CURVE ID - SEE DWG. NO. SP-005 TO SP-010
- = INTERSECTION ALIGNMENTS - SEE DWG. NO. SP-015 TO SP-016
- = SURVEY CONTROL POINT SEE DWG. NO. SC-005



NO.	REVISIONS	DATE
A	INTERIM SUBMITTAL	12/05/2010
B	REVISIONS TO INTERIM SUBMITTAL	12/29/2010
C	ADDENDUM TO INTERIM SUBMITTAL	01/25/2011
D	FINAL SUBMITTAL - EBT	03/19/2011
E	FINAL SUBMITTAL TO ODOT	04/19/2011
F	FINAL SUBMITTAL TO ODOT	04/28/2011
1	APPROVED FOR CONSTRUCTION	05/11/2011

DESIGN AGENCY
WALSH HNTB
 WALSH CONSTRUCTION

OHIO DEPARTMENT OF TRANSPORTATION
INNERBELT BRIDGE
 I-90

SURVEY CONTROL



200
 100
 0
 HORIZONTAL SCALE IN FEET

DESIGNED
 CHECKED
 6
 22

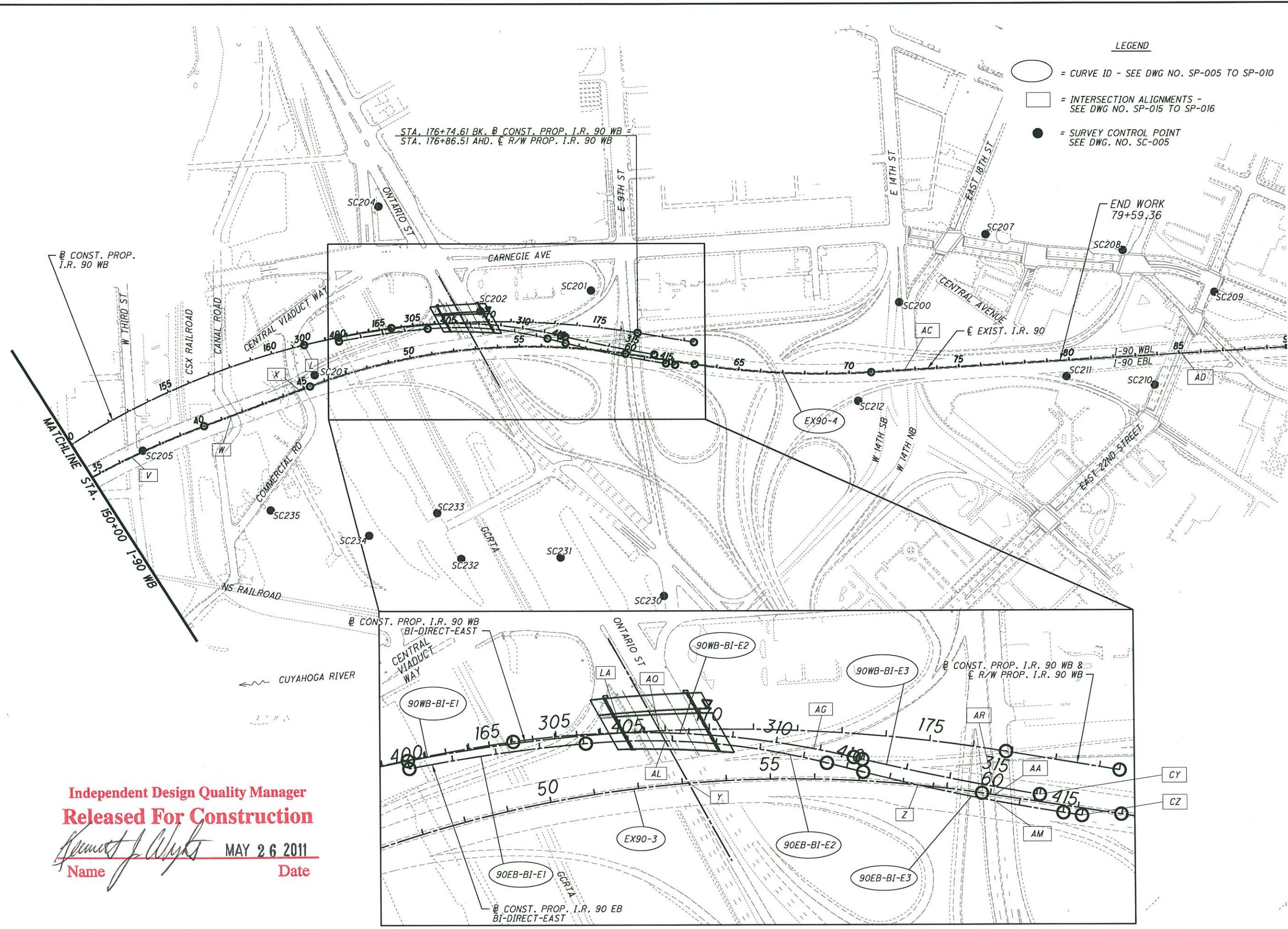
**SCHMATIC PLAN
 BI-DIRECTIONAL INTERCHANGE SCHEMATIC
 STA. 97+02.05 TO STA. 150+00**

**CUY-90-14.90
 DWG. NO. SP-003**



LEGEND

- = CURVE ID - SEE DWG NO. SP-005 TO SP-010
- = INTERSECTION ALIGNMENTS - SEE DWG NO. SP-015 TO SP-016
- = SURVEY CONTROL POINT SEE DWG. NO. SC-005



NO.	REVISIONS	DATE
A	INTERIM SUBMITTAL	12/09/2010
B	REVISIONS TO INTERIM SUBMITTAL	12/29/2010
C	ADDENDUM TO INTERIM SUBMITTAL	01/26/2011
D	FINAL SUBMITTAL - E9TH	03/10/2011
E	FINAL SUBMITTAL TO ODOT	04/13/2011
F	FINAL SUBMITTAL TO ODOT	04/28/2011
G	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WILSH HNTB
 WILSH CONSTRUCTION



SURVEY CONTROL



200
 100
 0
 HORIZONTAL SCALE IN FEET

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 7
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SCHEMATIC PLAN
BI-DIRECTIONAL INTERCHANGE SCHEMATIC
STA. 150+00 TO STA. 535+00.00

CUY-90-14.90
 DWG. NO. SP-004

Independent Design Quality Manager
Released For Construction

Name *Kenneth Fernald* Date MAY 26 2011

5/19/2011 8:28:04 AM
 Model:Sheet2
 File:49633-S-RD-EXH05.dgn

SCHEMATIC PLAN CURVE DATA

Table with columns: ALIGNMENT NAME, CURVE NO., POINT, STATION, NORTHING (FT), EASTING (FT), ELEMENT, DISTANCE (FT), BEARING, DELTA/THETA, DIRECTION, DEGREE, RADIUS (FT), TANGENT, LENGTH (FT), E, C, EMAX. Rows include data for CONST. PROP. I.R. 90 WB, EXIST. I.R. 90, and CONST. PROP. I.R. 90 WB TEMP.

Independent Design Quality Manager
Released For Construction
Name *James J. Wright* Date MAY 26 2011



REVISIONS table with columns: NO., DATE, REVISIONS. Includes rows for INTERIM SUBMITTAL, REVISIONS TO INTERIM SUBMITTAL, ADDENDUM TO INTERIM SUBMITTAL, FINAL SUBMITTAL - E37H, FINAL SUBMITTAL TO ODOT, and APPROVED FOR CONSTRUCTION.

DESIGN AGENCY: WALSH HNTB
DESIGN AGENCY: WALSH HNTB
CONTRACT NO. 90

SURVEY CONTROL
SCHEMATIC PLAN CURVE DATA
CUY-90-14.90
DWG. NO. SP-005
8/22

SCHEMATIC PLAN CURVE DATA

ALIGNMENT NAME	CURVE NO.	POINT	STATION	NORTHING (FT)	EASTING (FT)	ELEMENT	DISTANCE (FT)	BEARING	DELTA/THETA	DIRECTION	DEGREE	RADIUS (FT)	TANGENT	LENGTH (FT)	E	C	EMAX	
B CONST. ABBEY AVE.		P.O.T.	96+53.73	663287.93	2187293.41													
		P.I.	107+92.32	663299.47	2188431.94	STRAIGHT	1138.59	N 89°25'09" E										
		P.I.	7+92.32	663299.47	2188431.94	NO CURVE			00°00'00"									
		P.I.	21+26.43	663313.00	2189765.98	STRAIGHT	1334.11	N 89°25'09" E										
		P.I.	25+37.34	663317.17	2190176.88	NO CURVE			00°00'06"									
		P.I.	28+32.32	663320.14	2190471.83	STRAIGHT	410.92	N 89°25'03" E										
		P.I.	29+34.12	663321.07	2190573.63	NO CURVE			00°00'21"									
		P.O.T.	30+94.70	663322.54	2190734.20	STRAIGHT	294.97	N 89°25'24" E										
	C CONST. WEST 14TH ST. EXTENSION		P.O.T.	100+00.00	662533.84	2190182.98	NO CURVE			00°03'14"								
			P.C.	100+39.59	662573.42	2190182.43	STRAIGHT	101.80	N 89°28'38" E									
W14-1		P.I.	100+91.02	662624.85	2190181.71	NO CURVE			00°00'00"									
P.T.		101+38.91	662665.65	2190150.39	STRAIGHT	160.58	N 89°28'38" E											
P.C.		105+20.53	662968.37	2189918.02	NO CURVE			00°00'00"										
W14-2		P.I.	106+06.10	663036.25	2189865.92	STRAIGHT	381.63	N 37°30'36" W										
P.T.	106+85.51	663121.82	2189865.92	CURVE			36°42'52"	LEFT	36°57'54"		155.00	51.43	99.32	8.31	97.63	NC		
P.O.T.	108+77.71	663314.01	2189865.92	STRAIGHT	192.73	N 0°00'00" E												
D CONST. WEST THIRD ST.		P.O.T.	30+00.00	666113.78	2190691.58	NO CURVE			04°07'54"									
		P.I.	38+97.54	665373.02	2191198.39	STRAIGHT	897.54	S 34°22'45" E										
		P.O.T.	46+15.87	664810.94	2191645.67	NO CURVE			04°07'54"									
E CONST. CEDAR AVE.		P.O.T.	16+43.03	668622.21	2194556.91	STRAIGHT	718.33	S 38°30'39" E										
		P.O.T.	20+00.00	668533.13	2194902.59	NO CURVE												
		P.O.T.	20+00.00	668547.11	2194900.41	STRAIGHT	356.97	S 75°32'54" E										
		P.O.T.	21+92.20	668499.14	2195086.52	NO CURVE												
F CONST. RAMP E17		P.C.	0+00.00	666533.29	2193926.33	STRAIGHT	192.20	S 75°32'54" E										
	E17-1	P.I.	3+43.13	666715.45	2193635.55	CURVE			60°33'40"	RIGHT	9°45'00"	587.65	343.13	621.14	92.84	592.63	NC	
	P.C.C.	6+21.14	667058.22	2193651.27	NO CURVE													
	E17-2	P.I.	7+64.46	667201.39	2193657.83	CURVE			87°23'32"	RIGHT	38°11'50"	150.00	143.32	228.79	57.46	207.25	NC	
	P.C.C.	8+49.93	667201.34	2193801.16	NO CURVE													
	E17-3	P.I.	10+31.92	667201.29	2193983.14	CURVE			101°00'24"	RIGHT	38°11'50"	150.00	181.99	264.44	85.84	231.50	NC	
	P.T.	11+14.37	667022.66	2193948.34	STRAIGHT	283.98	S 11°01'28" W											
	E17-4	P.C.	13+98.35	666743.92	2193894.04	CURVE			4°00'06"	RIGHT	4°00'00"	1432.39	50.04	100.04	0.87	100.02	NC	
G CONST. RAMP E10		P.I.	14+48.39	666694.80	2193884.47	NO CURVE												
	E10-1	P.T.	14+98.39	666646.47	2193871.50	STRAIGHT	343.67	S 65°03'34" W										
	P.C.	5+06.54	667628.71	2193606.59	NO CURVE													
	E10-2	P.I.	7+83.80	667511.79	2193355.18	CURVE			70°06'46"	LEFT	14°30'00"	395.14	277.26	483.54	87.57	453.93	NC	
	P.T.	9+90.07	667235.61	2193379.61	STRAIGHT													
H CONST. UNIVERSITY RD.		P.I.	0+02.31	664051.07	2189428.56	STRAIGHT	688.70	S 61°38'10" E										
		P.I.	6+91.01	663723.89	2190034.57													



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	02/25/2011
B	FINAL SUBMITTAL	03/02/2011
C	FINAL SUBMITTAL	04/13/2011
D	FINAL SUBMITTAL TO ODOT	04/28/2011
E	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WALSH HNTB
WALSH CONSTRUCTION

DESIGN AGENCY
CLEVELAND'S INNERBELTBRIDGE
OHIO TURNPIKES & TRANSPORTATION

SURVEY CONTROL

SCHEMATIC PLAN CURVE DATA

CUY-90-14.90

DWC. NO. SP-010

DESIGNED 13
CHECKED 22

**Independent Design Quality Manager
Released For Construction**

Kenneth J. Fertal Name
MAY 26 2011 Date

STATION EQUATIONS FOR ALIGNMENT INTERSECTIONS

	ALIGNMENT NAME	STATION		ALIGNMENT NAME	STATION	NORTHING (ft)	EASTING (ft)
A	CONST. PROP. I.R. 90 WB	101+56.91	=	CONST. STARKWEATHER AVE.	14+34.64	660753.37	2189659.47
B	CONST. PROP. I.R. 90 WB	109+86.20	=	CONST. KENILWORTH AVE.	13+82.34	661579.70	2189717.88
C	CONST. PROP. I.R. 90 WB	110+15.51	=	CONST. PROP. I.R. 90 WB BI-DIRECT-WEST	607+70.27	661608.81	2189721.29
D	CONST. PROP. I.R. 90 WB	119+63.72	=	CONST. FAIRFIELD AVE.	16+11.88	662546.96	2189857.16
E	CONST. PROP. I.R. 90 WB	123+64.60	=	CONST. WEST 14th ST. EXTENSION	104+83.56	662939.05	2189940.53
F	CONST. PROP. I.R. 90 WB	127+53.38	=	CONST. ABBEY AVE.	23+97.07	663315.75	2190036.61
G	CONST. PROP. I.R. 90 WB	153+07.00	=	CONST. WEST THIRD ST.	35+25.71	665679.90	2190988.44
H	CONST. PROP. I.R. 90 WB	157+44.11	=	CONST. CANAL ROAD	26+27.43	666038.64	2191237.67
J	CONST. PROP. I.R. 90 WB	160+77.93	=	CONST. COMMERCIAL RD.	18+79.29	666290.27	2191456.85
K	CONST. PROP. I.R. 90 WB	164+54.51	=	CONST. PROP. I.R. 90 WB TEMP	500+11.55	666547.92	2191731.25
L	CONST. PROP. I.R. 90 WB	161+53.40	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	300+00.00	666344.19	2191509.64
LA	CONST. PROP. I.R. 90 WB	168+02.21	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	306+49.30	666760.34	2192006.37
M	CONST. PROP. I.R. 90 WB	168+87.09	=	CONST. ONTARIO ST.	28+35.82	666808.32	2192076.38
N	CONST. PROP. I.R. 90 WB	176+18.63	=	CONST. EAST 9TH ST.	38+11.33	667154.64	2192719.48
CO	CONST. PROP. I.R. 90 WB	176+16.92, 37.00' LT	=	CONST. RAMP A3	3009+23.90	667188.08	2192703.55
CN	CONST. PROP. I.R. 90 WB	162+34.76, 49.00' LT	=	CONST. RAMP A4	614+41.73	666436.49	2191534.00
CM	CONST. PROP. I.R. 90 WB	144+37.44, 49.00' LT	=	CONST. RAMP A5	721+43.31	664914.76	2190570.21
CL	CONST. PROP. I.R. 90 WB	130+58.38, 48.00' LT	=	CONST. RAMP A6	800+00.00	663622.64	2190076.52
CK	CONST. PROP. I.R. 90 WB	114+74.08, 36.00' LT	=	CONST. RAMP A7	1000+00.00	662068.95	2189741.49
P	EXIST. I.R. 90 WB	-13+32.97	=	CONST. STARKWEATHER AVE.	14+66.13	660753.98	2189690.96
O	EXIST. I.R. 90 WB	-9+75.21	=	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	705+09.99	661111.52	2189699.21
R	EXIST. I.R. 90 WB	-5+01.95	=	CONST. KENILWORTH AVE.	14+24.73	661580.53	2189760.25
S	EXIST. I.R. 90 WB	4+86.54	=	CONST. FAIRFIELD AVE.	17+87.93	662530.83	2190030.20
T	EXIST. I.R. 90 WB	7+03.77	=	CONST. WEST 14th ST. EXTENSION	102+30.46	662738.27	2190094.65
U	EXIST. I.R. 90 WB	13+10.99	=	CONST. ABBEY AVE.	26+35.26	663318.16	2190274.79
V	EXIST. I.R. 90 WB	36+62.70	=	CONST. WEST THIRD ST.	37+32.90	665508.91	2191105.42
W	EXIST. I.R. 90 WB	41+57.18	=	CONST. CANAL ROAD	28+44.02	665906.72	2191398.73
X	EXIST. I.R. 90 WB	44+79.85	=	CONST. COMMERCIAL RD.	16+84.55	666160.04	2191598.60
Y	EXIST. I.R. 90 WB	53+14.39	=	CONST. ONTARIO ST.	27+00.79	666741.16	2192193.52
Z	EXIST. I.R. 90 WB	58+34.02	=	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	411+65.90	667006.98	2192639.19
AA	EXIST. I.R. 90 WB	60+01.48	=	CONST. EAST 9TH ST.	37+03.48	667075.00	2192792.19
AC	EXIST. I.R. 90 WB	72+59.16	=	CONST. EAST 14TH ST.-EX-NB	129+62.65	667664.28	2193898.85
AD	EXIST. I.R. 90 WB	85+09.89	=	CONST. EAST 22ND ST.	6+42.77	668376.52	2194926.99
AE	CONST. PROP. I.R. 90 WB TEMP	518+77.20	=	CONST. RAMP E10	8+47.41	667376.89	2193392.69
AF	CONST. PROP. I.R. 90 WB TEMP	504+50.15	=	CONST. ONTARIO ST.	28+21.77	666801.34	2192088.57
AG	CONST. PROP. I.R. 90 WB TEMP	508+03.58	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	310+95.16	666958.56	2192404.79
AH	CONST. PROP. I.R. 90 WB TEMP	511+95.72	=	CONST. EAST 9TH ST.	37+35.48	667098.91	2192770.93
AJ	CONST. RAMP E10	2+42.13	=	CONST. EAST 14TH ST.-EX-NB	130+54.95	667740.20	2193846.34
AK	CONST. PROP. I.R. 90 WB TEMP	524+57.82	=	CONST. EAST 14TH ST.-EX-NB	129+91.69	667688.17	2193882.33
AL	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	405+84.24	=	CONST. ONTARIO ST.	28+09.68	666795.32	2192099.06
AM	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	413+37.73	=	CONST. EAST 9TH ST.	36+89.86	667064.64	2192801.04
AN	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	701+52.64	=	CONST. STARKWEATHER AVE.	14+86.96	660754.38	2189711.78
AP	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	709+79.36	=	CONST. KENILWORTH AVE.	13+88.40	661579.83	2189724.09
AQ	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	307+36.54	=	CONST. ONTARIO ST.	28+30.67	666805.77	2192080.85
AR	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	314+91.87	=	CONST. EAST 9TH ST.	37+23.31	667089.89	2192779.10
AS	CONST. PROP. I.R. 90 WB BI-DIRECT-WEST	607+40.98	=	CONST. KENILWORTH AVE.	13+82.42	661579.71	2189717.96
AT	CONST. RAMP A5	704+71.08	=	CONST. COMMERCIAL RD.	19+69.59	666355.06	2191394.37
AU	CONST. RAMP A5	705+62.32	=	CONST. CENTRAL VIADUCT WAY	100+85.04	666287.86	2191332.66
AV	CONST. RAMP A6	803+20.69	=	CONST. ABBEY AVE.	23+45.67	663315.22	2189985.21
AW	CONST. RAMP A7	1004+94.92	=	CONST. KENILWORTH AVE.	13+37.24	661578.82	2189672.79
AX	CONST. RAMP A7	1013+26.98	=	CONST. STARKWEATHER AVE.	13+59.94	660751.91	2189584.78
AY	CONST. FAIRFIELD AVE.	19+40.73	=	CONST. WEST 14th ST. EXTENSION	100+00.00	662533.84	2190182.98
AZ	CONST. WEST 14th ST. EXTENSION	106+50.22	=	CONST. RAMP A6	816+36.24	663086.64	2189868.39
BA	CONST. WEST 14th ST. EXTENSION	108+77.71	=	CONST. ABBEY AVE.	22+26.37	663314.01	2189865.92

Independent Design Quality Manager
Released For Construction

Name Samuel J. Wright Date FEB 28 2012

2/16/2012 4:19:24 PM
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File: 49633-S-RD-EXH06.dgn



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	07/25/2011
B	FINAL SUBMITTAL	03/10/2011
C	FINAL SUBMITTAL	04/13/2011
D	FINAL SUBMITTAL TO ODOT	04/28/2011
1	APPROVED FOR CONSTRUCTION	05/17/2011
2	NOC 0051	02/16/2012

DESIGN AGENCY
WALSH HNTB
WALSH & HNTB
WALSH CONSULTING

CALVIN W. AMMERBEIT BRIDGE
90

SURVEY CONTROL

SCHEMATIC PLAN ALIGNMENT
ALIGNMENT INTERSECTION TABLE

CUY-90-14.90

DESIGNED	CHECKED	DWG. NO. SP-015
		14 22

STATION EQUATIONS FOR ALIGNMENT INTERSECTIONS

	ALIGNMENT NAME	STATION	=	ALIGNMENT NAME	STATION	NORTHING (ft)	EASTING (ft)
A	CONST. PROP. I.R. 90 WB	101+56.91	=	CONST. STARKWEATHER AVE.	14+34.64	660753.37	2189659.47
B	CONST. PROP. I.R. 90 WB	109+86.20	=	CONST. KENILWORTH AVE.	13+82.34	661579.70	2189717.88
C	CONST. PROP. I.R. 90 WB	110+15.51	=	CONST. PROP. I.R. 90 WB BI-DIRECT-WEST	607+70.27	661608.81	2189721.29
D	CONST. PROP. I.R. 90 WB	119+63.72	=	CONST. FAIRFIELD AVE.	16+11.88	662546.96	2189857.16
E	CONST. PROP. I.R. 90 WB	123+64.60	=	CONST. WEST 14th ST. EXTENSION	104+83.56	662939.05	2189940.53
F	CONST. PROP. I.R. 90 WB	127+53.38	=	CONST. ABBEY AVE.	23+97.07	663315.75	2190036.61
G	CONST. PROP. I.R. 90 WB	153+07.00	=	CONST. WEST THIRD ST.	35+25.71	665679.90	2190988.44
H	CONST. PROP. I.R. 90 WB	157+44.11	=	CONST. CANAL ROAD	26+27.43	666038.64	2191237.67
J	CONST. PROP. I.R. 90 WB	160+77.93	=	CONST. COMMERCIAL RD.	18+79.29	666290.27	2191456.85
K	CONST. PROP. I.R. 90 WB	164+54.51	=	CONST. PROP. I.R. 90 WB TEMP	500+11.55	666547.92	2191731.25
L	CONST. PROP. I.R. 90 WB	161+53.40	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	300+00.00	666344.19	2191509.64
LA	CONST. PROP. I.R. 90 WB	168+02.21	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	306+49.30	666760.34	2192006.37
M	CONST. PROP. I.R. 90 WB	168+87.09	=	CONST. ONTARIO ST.	28+35.82	666808.32	2192076.38
N	CONST. PROP. I.R. 90 WB	176+18.63	=	CONST. EAST 9TH ST.	38+11.33	667154.64	2192719.48
CO	CONST. PROP. I.R. 90 WB	176+16.92, 37.00' LT	=	CONST. RAMP A3	3009+21.34	667188.08	2192703.55
CN	CONST. PROP. I.R. 90 WB	162+34.76, 49.00' LT	=	CONST. RAMP A4	614+41.73	666436.49	2191534.00
CM	CONST. PROP. I.R. 90 WB	144+37.44, 49.00' LT	=	CONST. RAMP A5	721+43.21	664914.76	2190570.21
CL	CONST. PROP. I.R. 90 WB	130+58.38, 48.00' LT	=	CONST. RAMP A6	800+00.00	663622.64	2190076.52
CK	CONST. PROP. I.R. 90 WB	114+74.08, 36.00' LT	=	CONST. RAMP A7	1000+00.00	662068.95	2189741.49
P	EXIST. I.R. 90 WB	-13+32.97	=	CONST. STARKWEATHER AVE.	14+66.13	660753.98	2189690.96
Q	EXIST. I.R. 90 WB	-9+75.21	=	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	705+09.99	661111.52	2189699.21
R	EXIST. I.R. 90 WB	-5+01.95	=	CONST. KENILWORTH AVE.	14+24.73	661580.53	2189760.25
S	EXIST. I.R. 90 WB	4+86.54	=	CONST. FAIRFIELD AVE.	17+87.93	662530.83	2190030.20
T	EXIST. I.R. 90 WB	7+03.77	=	CONST. WEST 14th ST. EXTENSION	102+30.46	662738.27	2190094.65
U	EXIST. I.R. 90 WB	13+10.99	=	CONST. ABBEY AVE.	26+35.26	663318.16	2190274.79
V	EXIST. I.R. 90 WB	36+62.70	=	CONST. WEST THIRD ST.	37+32.90	665508.91	2191105.42
W	EXIST. I.R. 90 WB	41+57.18	=	CONST. CANAL ROAD	28+44.02	665906.72	2191398.73
X	EXIST. I.R. 90 WB	44+79.85	=	CONST. COMMERCIAL RD.	16+84.55	666160.04	2191598.60
Y	EXIST. I.R. 90 WB	53+14.39	=	CONST. ONTARIO ST.	27+00.79	666741.16	2192193.52
Z	EXIST. I.R. 90 WB	58+34.02	=	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	411+65.90	667006.98	2192639.19
AA	EXIST. I.R. 90 WB	60+01.48	=	CONST. EAST 9TH ST.	37+03.48	667075.00	2192792.19
AC	EXIST. I.R. 90 WB	72+59.16	=	CONST. EAST 14TH ST.-EX-NB	129+62.65	667664.28	2193898.85
AD	EXIST. I.R. 90 WB	85+09.89	=	CONST. EAST 22ND ST.	6+42.77	668376.52	2194926.99
AE	CONST. PROP. I.R. 90 WB TEMP	518+77.20	=	CONST. RAMP E10	8+47.41	667376.89	2193392.69
AF	CONST. PROP. I.R. 90 WB TEMP	504+50.15	=	CONST. ONTARIO ST.	28+21.77	666801.34	2192088.57
AG	CONST. PROP. I.R. 90 WB TEMP	508+03.58	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	310+95.16	666958.56	2192404.79
AH	CONST. PROP. I.R. 90 WB TEMP	511+95.72	=	CONST. EAST 9TH ST.	37+35.48	667098.91	2192770.93
AJ	CONST. RAMP E10	2+42.13	=	CONST. EAST 14TH ST.-EX-NB	130+54.95	667740.20	2193846.34
AK	CONST. PROP. I.R. 90 WB TEMP	524+57.82	=	CONST. EAST 14TH ST.-EX-NB	129+91.69	667688.17	2193882.33
AL	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	405+84.24	=	CONST. ONTARIO ST.	28+09.68	666795.32	2192099.06
AM	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	413+37.73	=	CONST. EAST 9TH ST.	36+89.86	667064.64	2192801.04
AN	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	701+52.64	=	CONST. STARKWEATHER AVE.	14+86.96	660754.38	2189711.78
AP	CONST. PROP. I.R. 90 EB BI-DIRECT-WEST	709+79.36	=	CONST. KENILWORTH AVE.	13+88.56	661579.83	2189724.09
AQ	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	307+36.54	=	CONST. ONTARIO ST.	28+30.67	666805.77	2192080.85
AR	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	314+91.87	=	CONST. EAST 9TH ST.	37+23.31	667089.89	2192779.10
AS	CONST. PROP. I.R. 90 WB BI-DIRECT-WEST	607+40.98	=	CONST. KENILWORTH AVE.	13+82.42	661579.71	2189717.96
AT	CONST. RAMP A5	704+71.08	=	CONST. COMMERCIAL RD.	19+69.59	666355.06	2191394.37
AU	CONST. RAMP A5	705+62.32	=	CONST. CENTRAL VIADUCT WAY	100+85.04	666287.86	2191332.66
AV	CONST. RAMP A6	803+20.69	=	CONST. ABBEY AVE.	23+45.67	663315.22	2189985.21
AW	CONST. RAMP A7	1004+94.92	=	CONST. KENILWORTH AVE.	13+37.24	661578.82	2189672.79
AX	CONST. RAMP A7	1013+26.98	=	CONST. STARKWEATHER AVE.	13+59.94	660751.91	2189584.78
AY	CONST. FAIRFIELD AVE.	19+40.73	=	CONST. WEST 14th ST. EXTENSION	100+00.00	662533.80	2190182.98
AZ	CONST. WEST 14th ST. EXTENSION	106+50.22	=	CONST. RAMP A6	816+36.24	663086.64	2189868.39
BA	CONST. WEST 14th ST. EXTENSION	108+77.71	=	CONST. ABBEY AVE.	22+26.37	663314.01	2189865.92



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	07/25/2011
B	FINAL SUBMITTAL	07/27/2011
C	FINAL SUBMITTAL	04/19/2011
D	FINAL SUBMITTAL TO ODOT	04/29/2011
T	APPROVED FOR CONSTRUCTION	05/17/2011



SURVEY CONTROL

SCHEMATIC PLAN ALIGNMENT INTERSECTION TABLE

CUY-90-14.90

DWG. NO. SP-015

14
22

Independent Design Quality Manager
Released For Construction

James J. Wylly
Name Date MAY 26 2011

STATION EQUATIONS FOR ALIGNMENT INTERSECTIONS

	ALIGNMENT NAME	STATION	=	ALIGNMENT NAME	STATION	NORTHING (ft)	EASTING (ft)
BB	CONST. WEST THIRD ST.	34+42.96	=	CONST. RAMP A5	712+29.87	665748.20	2190941.70
BC	CONST. CANAL ROAD	25+36.16	=	CONST. RAMP A5	707+85.73	666116.27	2191189.65
BD	CONST. CANAL ROAD	33+93.92	=	CONST. EAST 9TH ST.	11+56.39	665460.73	2191639.66
BE	CONST. CENTRAL VIADUCT WAY	101+77.82	=	CONST. COMMERCIAL RD.	20+01.08	666373.34	2191368.73
BF	CONST. CENTRAL VIADUCT WAY	105+78.39	=	CONST. CARNEGIE AVE.	13+38.71	666735.20	2191417.97
BG	CONST. COMMERCIAL RD.	10+00.00	=	CONST. EAST 9TH ST.	15+00.00	665622.95	2191942.40
BH	CONST. COMMERCIAL RD.	12+14.69	=	CONST. COMMERCIAL ROAD DRIVE STA. 12+14.69	0+00.00	665770.83	2191791.23
BJ	CONST. COMMERCIAL RD.	13+02.24	=	CONST. COMMERCIAL ROAD DRIVE STA. 13	0+00.00	665842.69	2191742.45
BK	CONST. COMMERCIAL RD.	18+26.46	=	CONST. COMMERCIAL ROAD DRIVE STA. 18	0+00.00	666248.09	2191488.67
BL	CONST. CARNEGIE AVE.	16+64.20	=	CONST. RAMP A5	697+88.27	666909.78	2191692.61
BM	CONST. CARNEGIE AVE.	17+80.40	=	CONST. ONTARIO ST.	31+64.92	666971.90	2191790.81
BN	CONST. CARNEGIE AVE.	26+68.72	=	CONST. EAST 9TH ST.	41+89.03	667475.97	2192522.16
BP	CONST. ONTARIO ST.	29+09.75	=	CONST. RAMP A4	608+11.86	666845.10	2192012.24
BQ	CONST. EAST 9TH ST.	18+03.94	=	CONST. E. 9TH ST. DRIVE STA. 18	50+00.00	665715.28	2192231.38
BS	CONST. EAST 9TH ST.	26+02.61	=	CONST. BROADWAY AVE.	25+00.00	666048.49	2192910.44
BT	CONST. EAST 9TH ST.	30+00.00	=	CONST. ORANGE AVE.	28+48.77	666434.86	2192996.82
BU	CONST. ORANGE AVE.	20+15.82	=	CONST. EAST 14TH ST.	14+74.38	666261.85	2193810.86
BV	CONST. ORANGE AVE.	20+15.82	=	CONST. EAST 14TH ST.-EX-NB	114+74.38	666261.85	2193810.86
BW	CONST. BROADWAY AVE.	16+83.30	=	CONST. EAST 14TH ST.	10+00.00	665804.72	2193684.14
BX	CONST. EAST 14TH ST.	16+57.41	=	CONST. EAST 14TH ST.-EX-NB	116+57.41	666438.31	2193859.49
BY	CONST. PROP. I.R. 90 WB TEMP	526+98.09, 35.71' LT.	=	CONST. RAMP E10	0+00.00	667854.53	2194059.33
BZ	CONST. PROP. I.R. 90 WB	100+00.00, 31.50' RT.	=	EXIST. I.R. 90 WB	-14+88.54	660596.61	2189666.15
CA	CONST. EAST 21ST ST.	10+71.69	=	CONST. CARNEGIE AVE.	50+26.42	668607.15	2194531.66
CB	CONST. EAST 22ND ST.	8+01.26	=	CONST. CEDAR AVE.	20+00.00	668533.13	2194902.59
CC	CONST. EAST 22ND ST.	8+15.41	=	CONST. CEDAR AVE.	20+00.00	668547.11	2194900.41
CD	CONST. EAST 22ND ST.	10+00.00	=	CONST. CARNEGIE AVE.	53+94.70	668729.50	2194871.99
CF	CONST. PROP. I.R. 90 WB	139+70.84	=	NS RAILROAD		664468.19	2190432.57
CG	CONST. PROP. I.R. 90 WB	155+57.46	=	CSX RAILROAD		665889.26	2191125.81
CH	CONST. PROP. I.R. 90 WB	165+30.62	=	GCRTA		666596.54	2191789.80
CJ	CONST. EAST 9TH ST.	24+70.71	=	GCRTA		665938.05	2192838.93
CP	CONST. RAMP E9	0+00.00, 8.00' RT.	=	CONST. RAMP E17	6+21.14	667058.58	2193643.28
CR	EXIST. I.R. 90 WB	73+94.57, 53.00' RT.	=	CONST. RAMP E9	7+81.54	667697.83	2194040.34
CS	CONST. EAST 14TH ST.-EX-NB	135+82.39	=	CONST. CARNEGIE AVE.	39+42.30	668173.96	2193546.28
CT	CONST. CEDAR AVE.	16+43.03	=	CONST. CARNEGIE AVE.	50+55.83	668622.21	2194556.92
CU	CONST. RAMP A6	806+33.71	=	CONST. WEST 14th ST. EXTENSION	105+78.01	663017.55	2189888.50
CV	CONST. PROP. I.R. 90 WB TEMP	514+85.75, 70.05' LT.	=	CONST. PROP. I.R. 90 WB	179+45.85	667273.01	2193011.74
CW	CONST. EAST 14TH ST.-EX-NB	129+03.93	=	CONST. RAMP E9	6+45.88	667616.00	2193932.26
CX	CONST. RAMP E17	0+41.39	=	CONST. EAST 14TH ST.-EX-NB	117+79.99	666556.48	2193892.06
CY	EXIST. I.R. 90 WB	61+10.45, 16.22' LT.	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	316+07.22	667131.99	2192886.48
CZ	EXIST. I.R. 90 WB	62+10.88, 16.29' RT.	=	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	415+43.00	667140.72	2192991.68
DA	CONST. WEST 13TH PL.	10+00.00	=	CONST. ABBEY AVE.	28+32.32	663320.14	2190471.83
DB	CONST. UNIVERSITY RD.	4+20.33, 5.95' RT.	=	CONST. R.R. ACCESS RD.	100+00.00	663633.65	2189753.46

Independent Design Quality Manager
Released For Construction


FEB 28 2012
Name
Date



NO.	REVISIONS	DATE			
			A	B	C
1	APPROVED FOR CONSTRUCTION	02/16/2012			
2	NOC 0051				



DESIGN AGENCY



90

SURVEY CONTROL
 SCHEMATIC PLAN ALIGNMENT INTERSECTION TABLE

CUY-90-14.90

DESIGNED	DWG. NO. SP-016
CHECKED	15 22

STATION EQUATIONS FOR ALIGNMENT INTERSECTIONS

	ALIGNMENT NAME	STATION	=	ALIGNMENT NAME	STATION	NORTHING (ft)	EASTING (ft)
BB	CONST. WEST THIRD ST.	34+42.96	=	CONST. RAMP A5	712+29.87	665748.20	2190941.70
BC	CONST. CANAL ROAD	25+36.16	=	CONST. RAMP A5	707+85.73	666116.27	2191189.65
BD	CONST. CANAL ROAD	33+93.92	=	CONST. EAST 9TH ST.	11+56.39	665460.73	2191639.66
BE	CONST. CENTRAL VIADUCT WAY	101+77.82	=	CONST. COMMERCIAL RD.	20+01.08	666373.34	2191368.73
BF	CONST. CENTRAL VIADUCT WAY	105+78.39	=	CONST. CARNEGIE AVE.	13+38.71	666735.20	2191417.97
BG	CONST. COMMERCIAL RD.	10+00.00	=	CONST. EAST 9TH ST.	15+00.00	665622.95	2191942.40
BH	CONST. COMMERCIAL RD.	11+50.00	=	CONST. COMMERCIAL ROAD DRIVE STA. 11	0+00.00	665734.32	2191844.36
BJ	CONST. COMMERCIAL RD.	13+02.24	=	CONST. COMMERCIAL ROAD DRIVE STA. 13	0+00.00	665855.74	2191737.80
BK	CONST. COMMERCIAL RD.	18+26.46	=	CONST. COMMERCIAL ROAD DRIVE STA. 18	0+00.00	666248.09	2191488.67
BL	CONST. CARNEGIE AVE.	16+64.20	=	CONST. RAMP A5	697+88.27	666909.78	2191692.61
BM	CONST. CARNEGIE AVE.	17+80.40	=	CONST. ONTARIO ST.	31+64.92	666971.90	2191790.81
BN	CONST. CARNEGIE AVE.	26+68.72	=	CONST. EAST 9TH ST.	41+89.03	667475.97	2192522.16
BP	CONST. ONTARIO ST.	29+09.75	=	CONST. RAMP A4	608+11.86	666845.10	2192012.24
BO	CONST. EAST 9TH ST.	18+03.94	=	CONST. E. 9TH ST. DRIVE STA. 18	50+00.00	665715.28	2192231.38
BR	CONST. EAST 9TH ST.	19+72.26	=	CONST. E. 9TH ST. DRIVE STA. 20	20+00.00	665740.20	2192397.77
BS	CONST. EAST 9TH ST.	26+02.61	=	CONST. BROADWAY AVE.	25+00.00	666048.49	2192910.44
BT	CONST. EAST 9TH ST.	30+00.00	=	CONST. ORANGE AVE.	28+48.77	666434.86	2192996.82
BU	CONST. ORANGE AVE.	20+15.82	=	CONST. EAST 14TH ST.	14+74.38	666261.85	2193810.86
BV	CONST. ORANGE AVE.	20+15.82	=	CONST. EAST 14TH ST.-EX-NB	114+74.38	666261.85	2193810.86
BW	CONST. BROADWAY AVE.	16+83.30	=	CONST. EAST 14TH ST.	10+00.00	665804.72	2193684.14
BX	CONST. EAST 14TH ST.	16+57.41	=	CONST. EAST 14TH ST.-EX-NB	116+57.41	666438.31	2193859.49
BY	CONST. PROP. I.R. 90 WB TEMP	526+98.09, 35.71' LT.	=	CONST. RAMP E10	0+00.00	667854.53	2194059.33
BZ	CONST. PROP. I.R. 90 WB	100+00.00, 31.50' RT.	=	EXIST. I.R. 90 WB	-14+88.54	660596.61	2189666.15
CA	CONST. EAST 21ST ST.	10+71.69	=	CONST. CARNEGIE AVE.	50+26.42	668607.15	2194531.66
CB	CONST. EAST 22ND ST.	8+01.26	=	CONST. CEDAR AVE.	20+00.00	668533.13	2194902.59
CC	CONST. EAST 22ND ST.	8+15.41	=	CONST. CEDAR AVE.	20+00.00	668547.11	2194900.41
CD	CONST. EAST 22ND ST.	10+00.00	=	CONST. CARNEGIE AVE.	53+94.70	668729.50	2194871.99
CF	CONST. PROP. I.R. 90 WB	139+70.84	=	NS RAILROAD		664468.19	2190432.57
CG	CONST. PROP. I.R. 90 WB	155+57.46	=	CSX RAILROAD		665889.26	2191125.81
CH	CONST. PROP. I.R. 90 WB	165+30.62	=	GCRTA		666596.54	2191789.80
CJ	CONST. EAST 9TH ST.	24+70.71	=	GCRTA		665938.05	2192838.93
CP	CONST. RAMP E9	0+00.00, 8.00' RT	=	CONST. RAMP E17	6+21.14	667058.22	2193651.27
CR	EXIST. I.R. 90 WB	73+94.57, 53.00' RT	=	CONST. RAMP E9	7+81.54	667697.83	2194040.34
CS	CONST. EAST 14TH ST.-EX-NB	135+82.39	=	CONST. CARNEGIE AVE.	39+42.30	668173.96	2193546.28
CT	CONST. CEDAR AVE.	16+43.03	=	CONST. CARNEGIE AVE.	50+55.83	668622.21	2194556.92
CU	CONST. RAMP A6	806+33.71	=	CONST. WEST 14th ST. EXTENSION	105+78.01	663017.55	2189888.50
CV	CONST. PROP. I.R. 90 WB TEMP	514+85.75, 70.05' LT.	=	CONST. PROP. I.R. 90 WB	179+45.85	667273.01	2193011.74
CW	CONST. EAST 14TH ST.-EX-NB	129+03.93	=	CONST. RAMP E9	6+45.88	667616.00	2193932.26
CX	CONST. RAMP E17	0+41.39	=	CONST. EAST 14TH ST.-EX-NB	117+78.99	666556.48	2193892.06
CY	EXIST. I.R. 90 WB	61+10.45, 16.22' LT.	=	CONST. PROP. I.R. 90 WB BI-DIRECT-EAST	316+07.22	667131.99	2192886.48
CZ	EXIST. I.R. 90 WB	62+10.88, 16.29' RT.	=	CONST. PROP. I.R. 90 EB BI-DIRECT-EAST	415+43.00	667140.72	2192991.68

**Independent Design Quality Manager
Released For Construction**

Kenneth Fertal
Name _____ Date **MAY 26 2011**

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File:49633-S-RD-EXH06.dgn



DATE	REVISIONS
01/25/2011	
03/10/2011	
04/13/2011	
04/28/2011	
05/17/2011	

DESIGN AGENCY: **WALSH HNTB**

DESIGNED BY: **WALSH HNTB**

CHECKED BY: **WALSH HNTB**

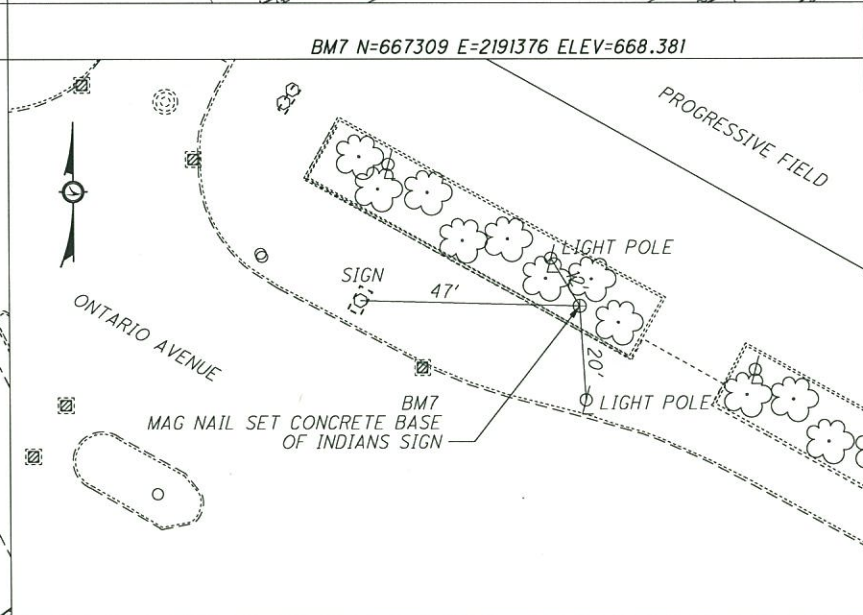
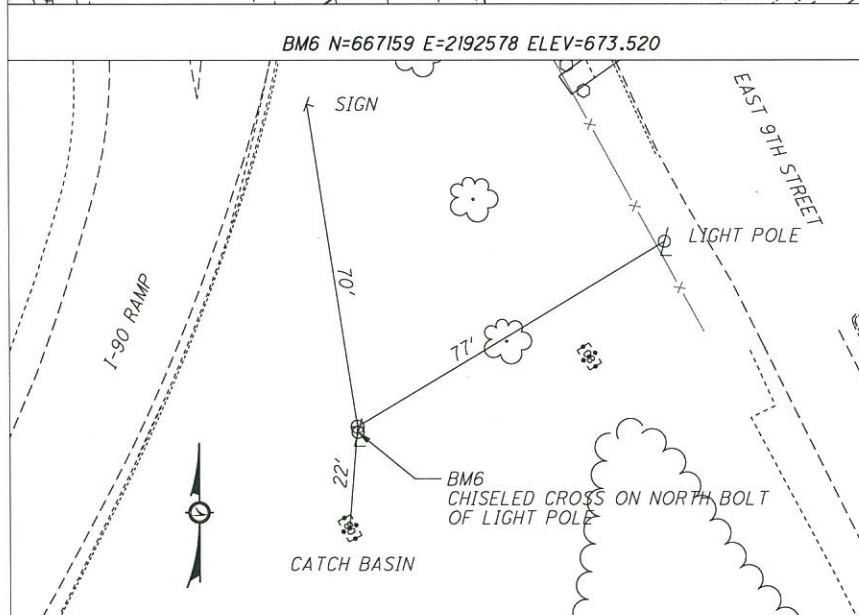
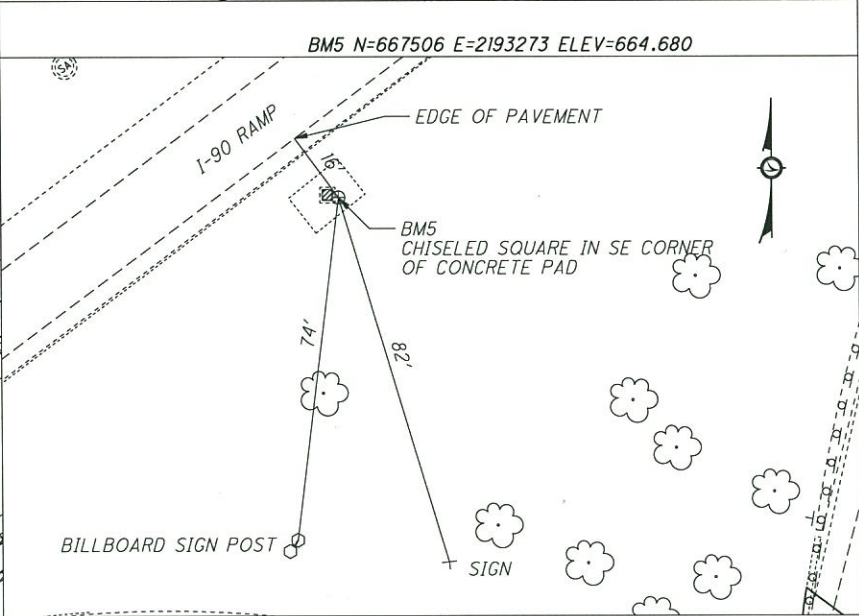
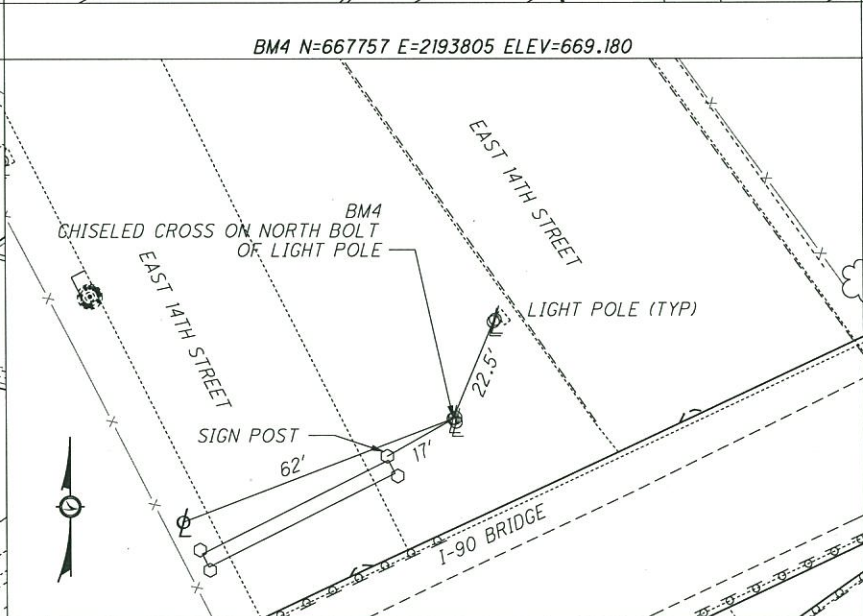
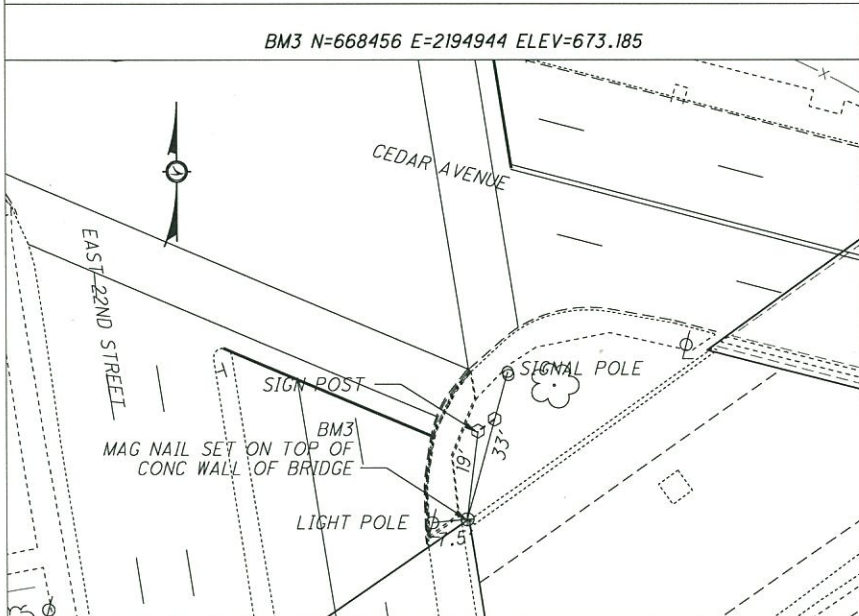
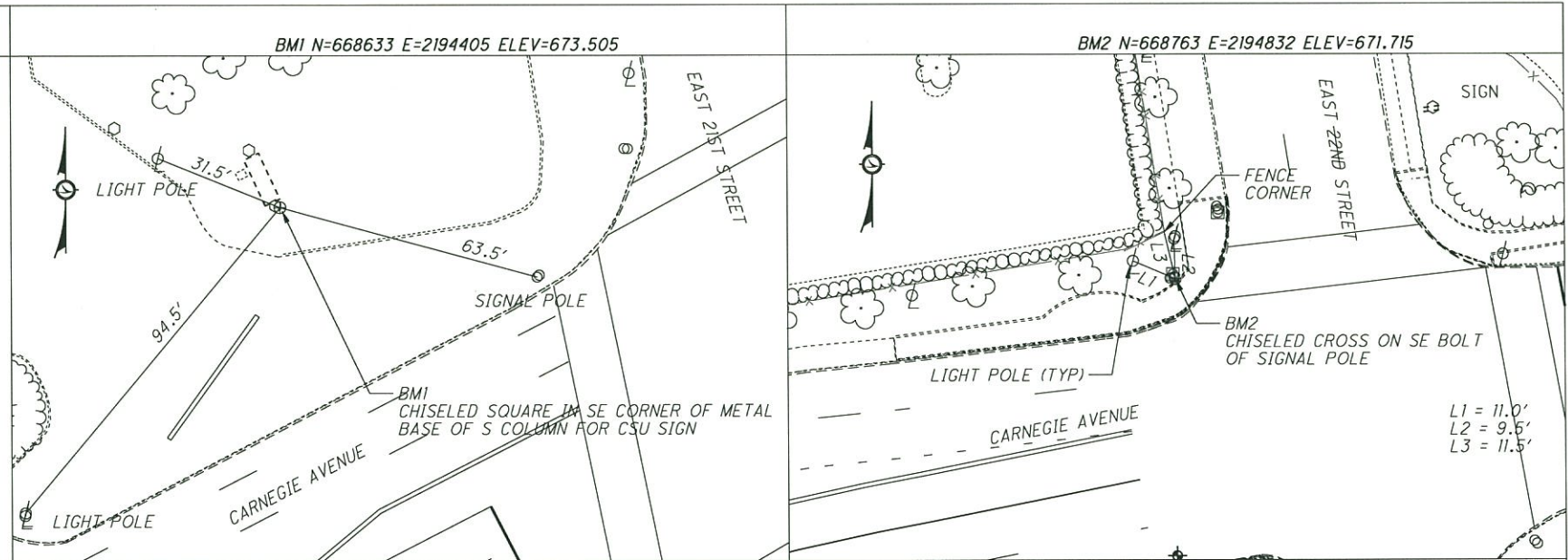
DATE: **05/17/2011**

SCHEMATIC PLAN ALIGNMENT INTERSECTION TABLE

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CHECKED	
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PROJECT NO.	CUY-90-14.90
SHEET NO.	15
TOTAL SHEETS	22

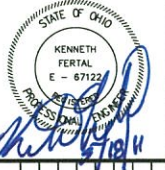
PROJECT HORIZONTAL CONTROL
 THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE PROJECT GROUND COORDINATES IN U.S. SURVEY FEET BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83(1995) AS DETERMINED BY G.P.S. SURVEYS CONDUCTED BY BURGESS & NIPLE, INC. IN APRIL, 2004. THIS SURVEY WAS TIED TO BURGESS & NIPLE MONUMENTS MON 05, MON 06, MON 09 AND MON 10. THE COMBINED SCALE AND ELEVATION FACTOR OF THE PROJECT IS 0.99994020409. A PROJECT ADJUSTMENT FACTOR OF 3.28102952549 MAY BE USED TO OBTAIN PROJECT GROUND COORDINATES IN U.S. SURVEY FEET FROM OHIO STATE PLANE COORDINATES IN METERS.

PROJECT VERTICAL CONTROL
 ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE ELEVATIONS ARE BASED ON NATIONAL GEODETIC SURVEY MONUMENTS 282 (PID-MB1787), 42 (PID-MB1788) AND 264 (PID-MB1505).



**Independent Design Quality Manager
 Released For Construction**

James J. Wright MAY 26 2011
 Name Date



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	03/10/2011
B	FINAL SUBMITTAL TO ODOT	04/13/2011
C	FINAL SUBMITTAL TO ODOT	04/28/2011
1	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WALSH HNTB
 WALSH CONSTRUCTION

DESIGN AGENCY
WINNERBET BRIDGE
 WINNERBET BRIDGE

SURVEY CONTROL

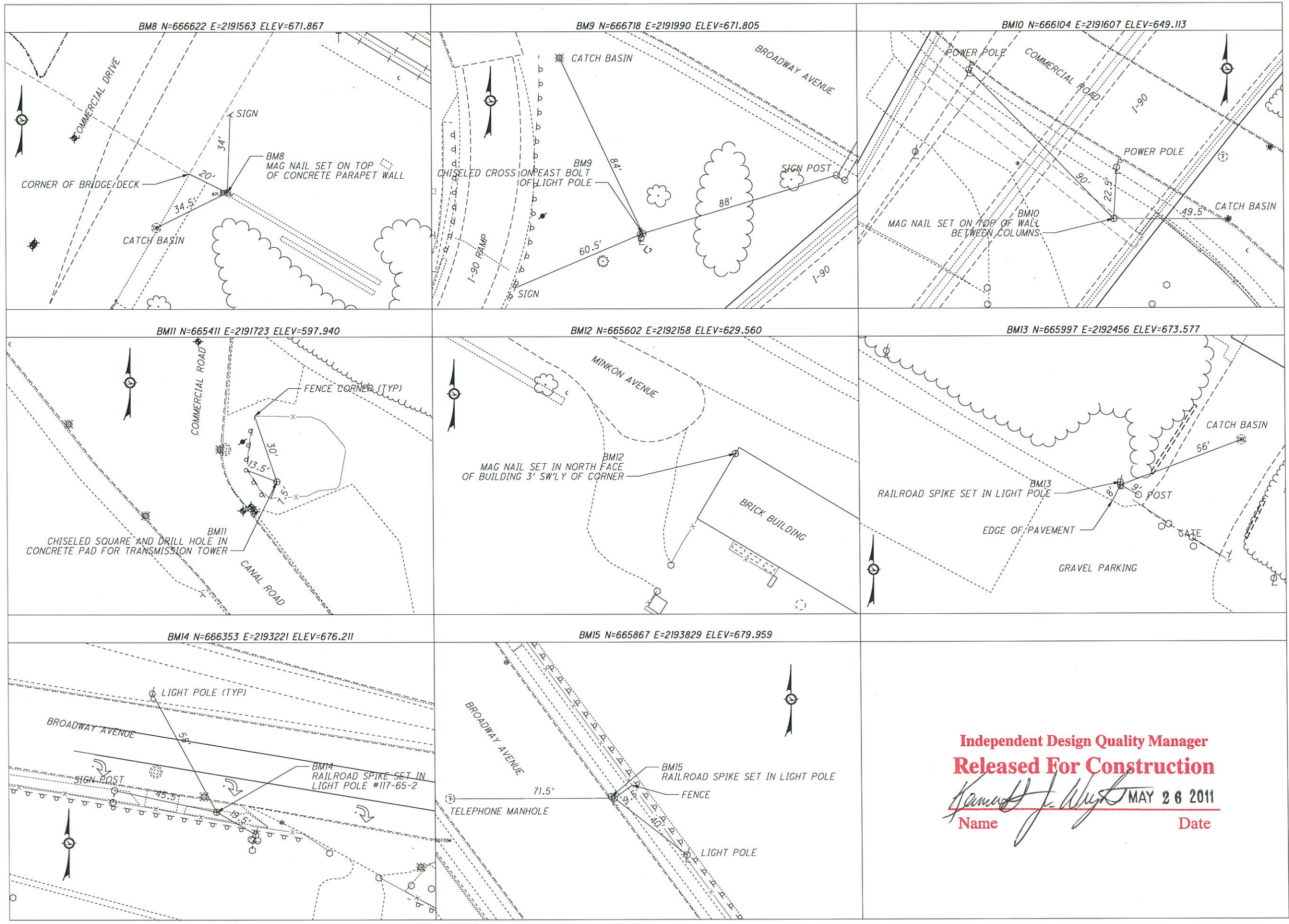
BENCHMARK REFERENCE POINTS

CUY-90-14.90

DWG. NO. BM-001

DESIGNED 16
 CHECKED 22

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**Independent Design Quality Manager
 Released For Construction**
Kenneth Fernald MAY 26 2011
 Name Date



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	03/10/2011
B	FINAL SUBMITTAL TO ODOT	04/13/2011
C	FINAL SUBMITTAL TO ODOT	04/29/2011
1	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WALSH HNTB
 WALSH CONSTRUCTION
 CLEVELAND'S PREMIER BRIDGE ENGINEERS AND ARCHITECTS

SURVEY CONTROL

BENCHMARK REFERENCE POINTS

CUY-90-14.90

DWG. NO. BM-002

DESIGNED: 17
 CHECKED: 22

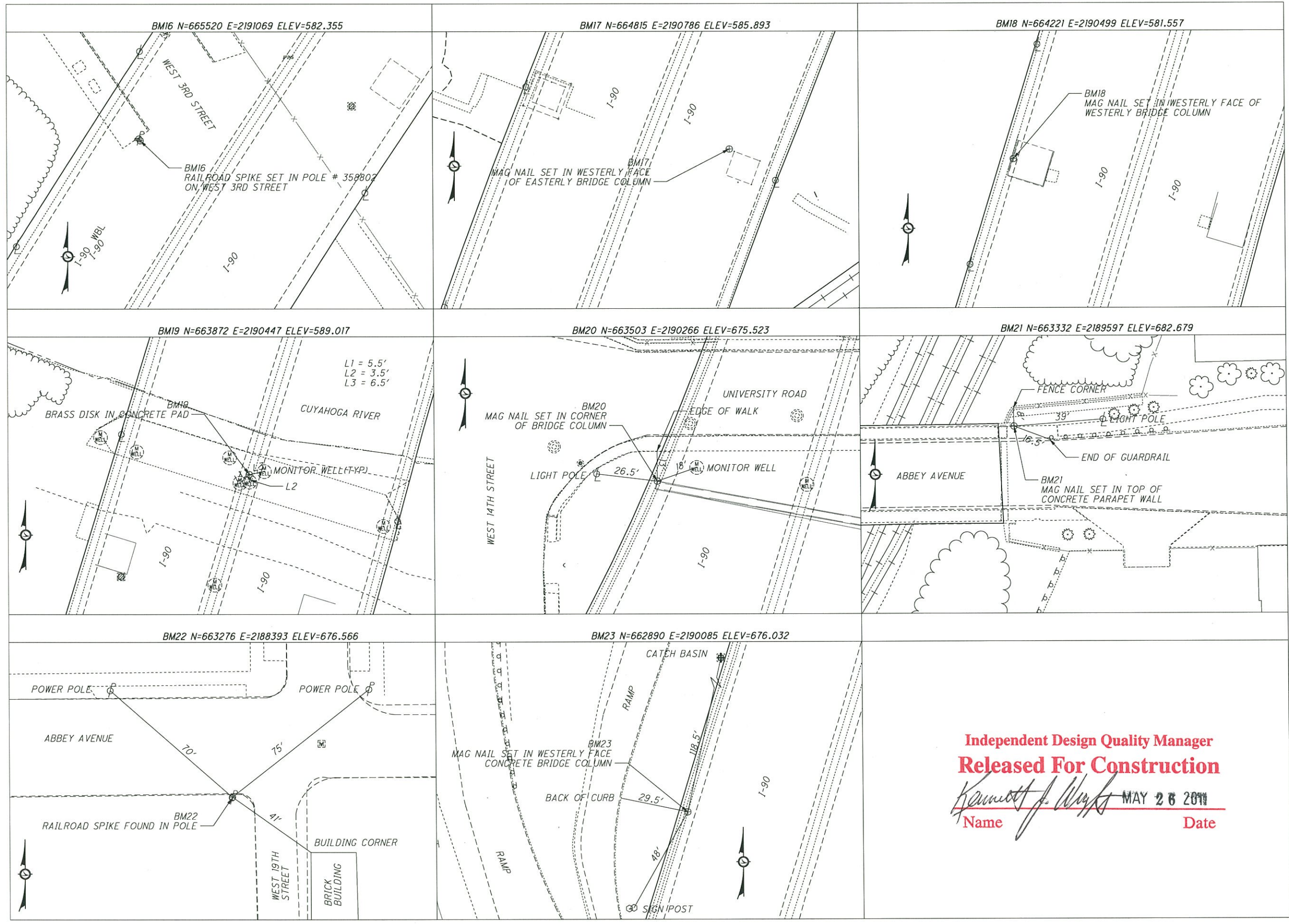


NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	03/19/2011
B	FINAL SUBMITTAL	04/13/2011
C	FINAL SUBMITTAL TO ODOT	04/28/2011
1	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WALSH HNTB
 WALSH CONSTRUCTION
 COMPLIANCE WITH I-90
 UNIVERSITY ROAD BRIDGE

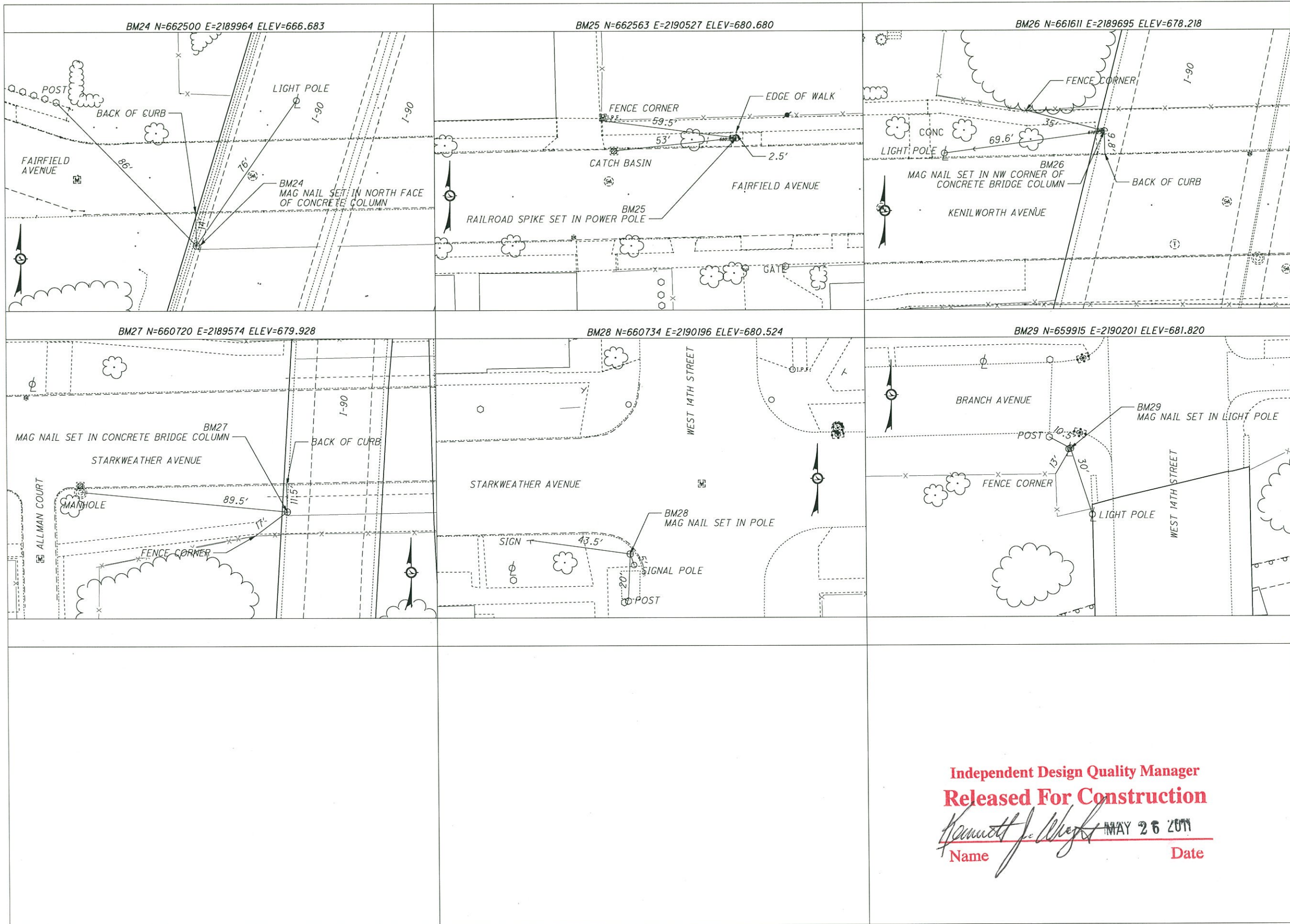
SURVEY CONTROL

BENCHMARK REFERENCE POINTS
 CUY-90-14.90
 DWG. NO. BM-003
 18
 22



Independent Design Quality Manager
Released For Construction
Kenneth J. Walsh MAY 26 2011
 Name Date

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 Model: Sheet14
 File: 49633-S-SV-CDS00.dgn



**Independent Design Quality Manager
 Released For Construction**

Harrold J. Wright **MAY 26 2011**
 Name Date



NO.	REVISIONS	DATE
A	FINAL SUBMITTAL	03/07/2011
B	FINAL SUBMITTAL	04/13/2011
C	FINAL SUBMITTAL TO ODOT	04/28/2011
1	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WILSH HNTB
 WILSH CONSTRUCTION



SURVEY CONTROL

BENCHMARK REFERENCE POINTS

DWG. NO.
 BM-004

DESIGNED
 CHECKED
 19
 22

MON 05

MON 06



GEODETTIC CONTROL SHEET Ohio Department of Transportation Cuyahoga County Control		State Plane: OHIO (NORTH ZONE) Datum: NAD 83 (95)	
County: CUYAHOGA	Name of Station: 90-172.2	Year: 2004	Vertical Datum: NAVD 88
N 203346.31627m	E 668361.94418m	Elevation: 212.18591m	Conversion: US Survey Foot
Lat: 41°29'41.77978"N	Long: 81°40'52.61205"W	Combined Scale Factor: 0.99994020409	
Date: April 29, 2004			

GEODETTIC CONTROL SHEET Ohio Department of Transportation Cuyahoga County Control		State Plane: OHIO (NORTH ZONE) Datum: NAD 83 (95)	
County: CUYAHOGA	Name of Station: 77-162.8	Year: 2004	Vertical Datum: NAVD 88
N 203150.60963m	E 668622.61148m	Elevation: 212.01066m	Conversion: US Survey Foot
Lat: 41°29'35.35676"N	Long: 81°40'41.45369"W	Combined Scale Factor: 0.99994020409	
Date: April 29, 2004			

**Independent Design Quality Manager
Released For Construction**

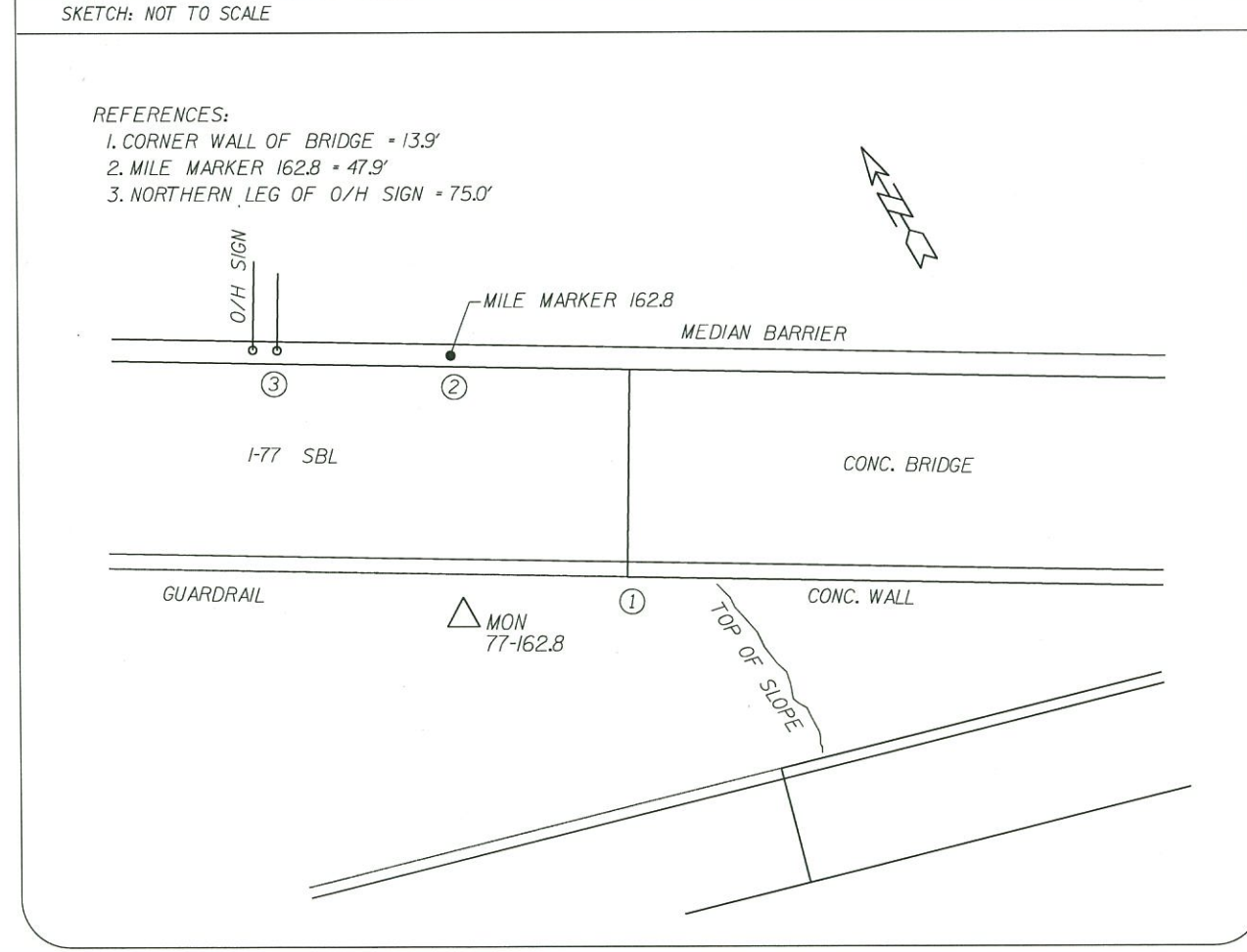
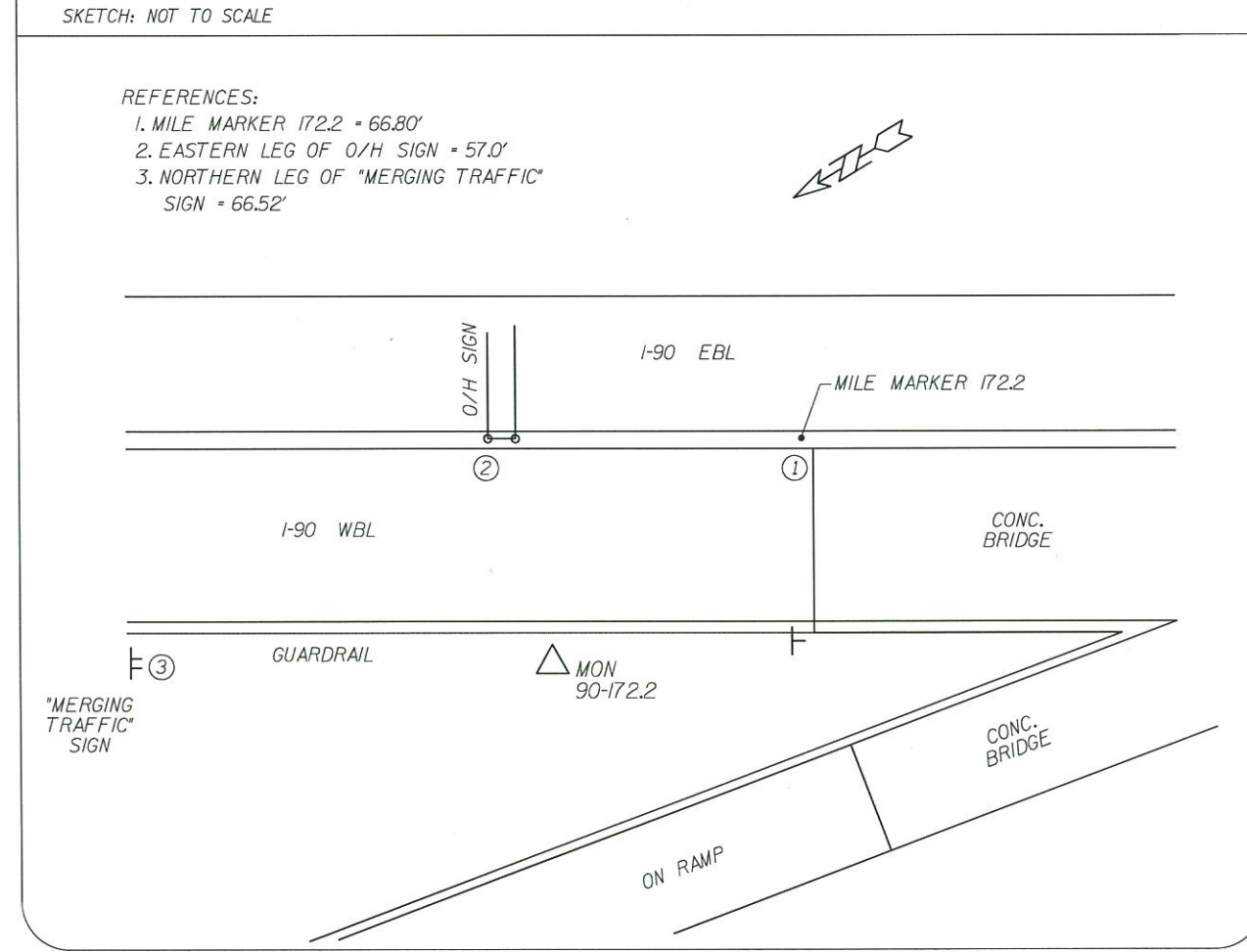
Kenneth J. Fertal **MAY 26 2011**
Name Date

PROJECT COORDINATES:

N 667185.2676'	E 2192915.2726'	Elevation: 696.15'
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PROJECT COORDINATES:

N 666543.1483'	E 2193770.5297'	Elevation: 695.57'
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DATE	04/29/2011
REVISIONS	05/17/2011
NO.	1
NO.	1

DESIGN AGENCY
WALSH HNTB
WALSH CONSTRUCTION



SURVEY CONTROL

SURVEY CONTROL POINTS

CUY-90-14.90

DESIGNED	CHECKED
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DWG. NO. SC-002

20
22

MON 09

MON 10



NO.	REVISIONS	DATE
1	FINAL SUBMITTAL	04/29/2011
2	APPROVED FOR CONSTRUCTION	05/17/2011

DESIGN AGENCY
WALSH HNTB
WALSH CONSTRUCTION



SURVEY CONTROL

CUY-90-14.90

DWG. NO. SC-003

DESIGNED: 21
CHECKED: 22

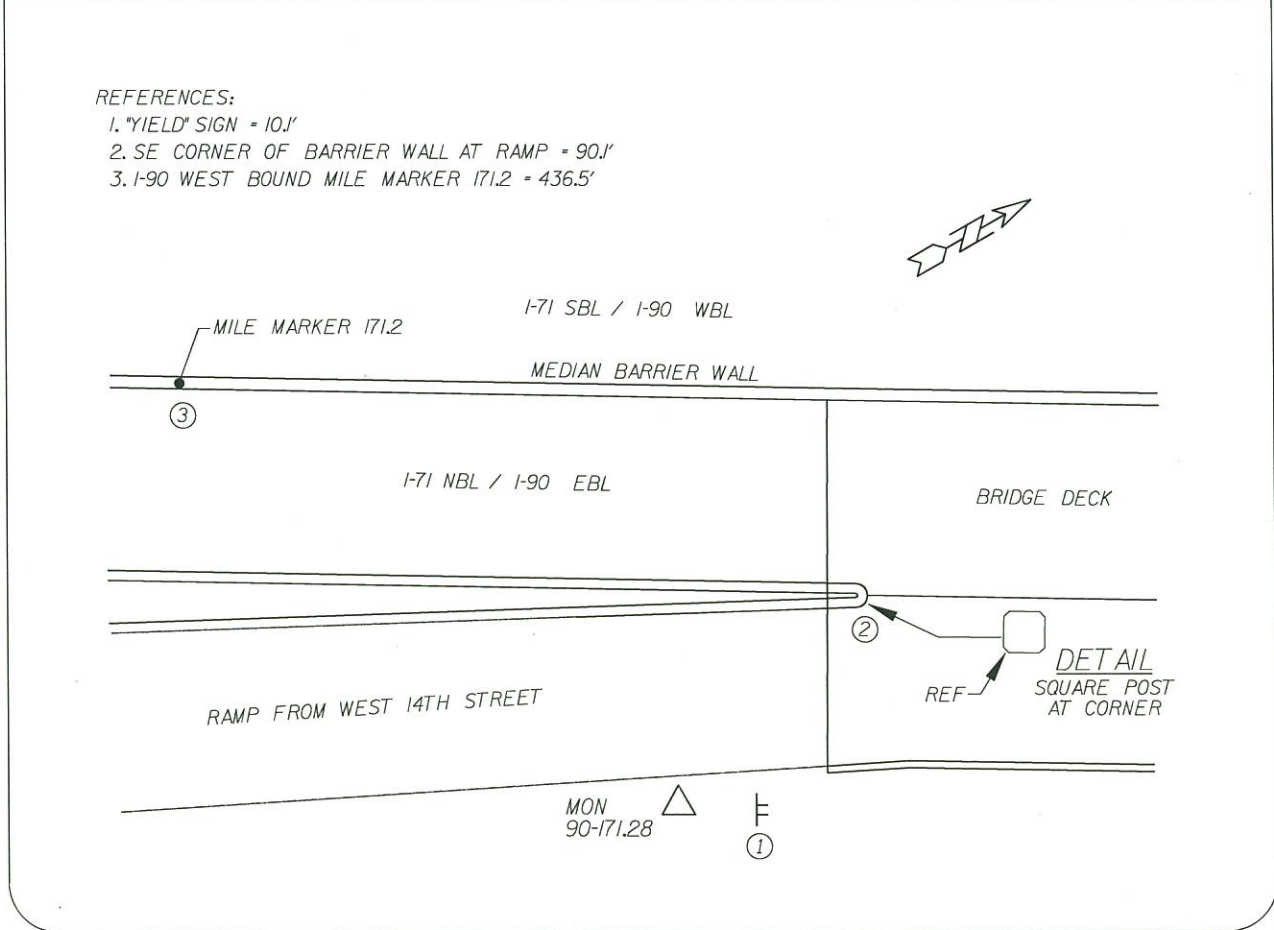
SURVEY CONTROL POINTS

GEODETTIC CONTROL SHEET Ohio Department of Transportation Cuyahoga County Control		State Plane: OHIO (NORTH ZONE) Datum: NAD 83 (95)	
County: CUYAHOGA	Name of Station: 90-171.28	Year: 2004	Vertical Datum: NAVD 88
N 202123.16176m	E 667575.29234m	Elevation: 212.64837m	Conversion: US Survey Foot
Lat: 41°29'02.37090"N	Long: 81°41'27.01541"W	Combined Scale Factor: 0.99994020409	
Date: April 29, 2004			

PROJECT COORDINATES:

N 663172.0615'	E 2190334.2447'	Elevation: 697.66'
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SKETCH: NOT TO SCALE



GEODETTIC CONTROL SHEET Ohio Department of Transportation Cuyahoga County Control		State Plane: OHIO (NORTH ZONE) Datum: NAD 83 (95)	
County: CUYAHOGA	Name of Station: 90-171.09	Year: 2004	Vertical Datum: NAVD 88
N 201829.62506m	E 667429.96500m	Elevation: 211.68293m	Conversion: US Survey Foot
Lat: 41°28'52.89995"N	Long: 81°41'33.39685"W	Combined Scale Factor: 0.99994020409	
Date: April 29, 2004			

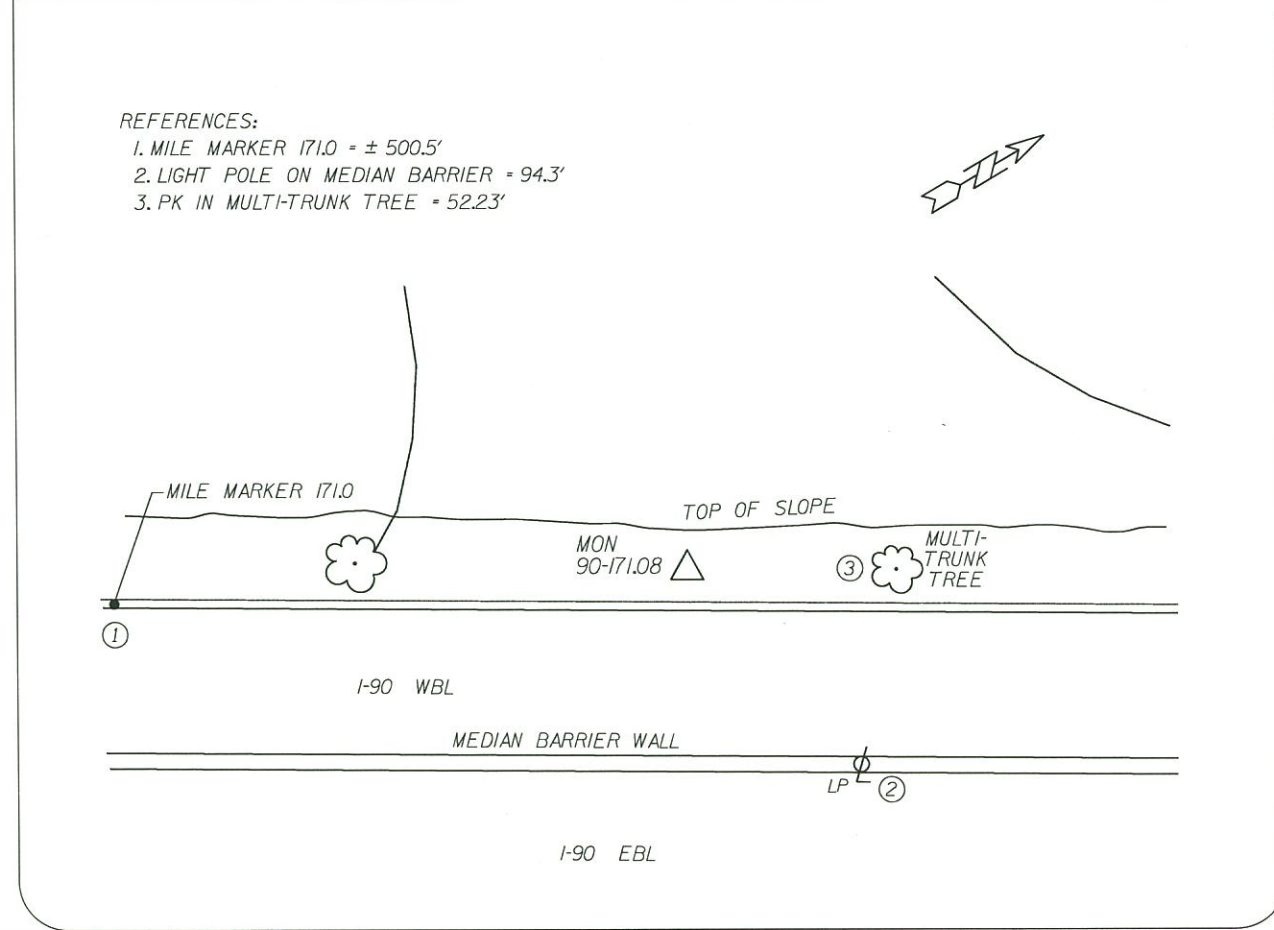
**Independent Design Quality Manager
Released For Construction**

Kenneth J. Wright **MAY 26 2011**
Name Date

PROJECT COORDINATES:

N 662208.9589'	E 2189857.4214'	Elevation: 694.50'
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SKETCH: NOT TO SCALE



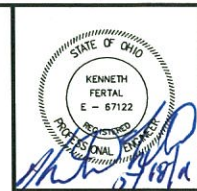
BASELINE OF SURVEY CONTROL POINTS

POINT	NORTH	EAST	DESCRIPTION
200	667910.7711	2193714.0847	5/8" rebar with Red" KS ASSOCS TRAV" cap
201	667230.7552	2192493.4134	3/8" rebar with Red" KS ASSOCS TRAV" cap
202	666890.2522	2192112.5676	5/8" rebar with Red" KS ASSOCS TRAV" cap
203	666252.4871	2191620.6077	3/8" rebar with Red" KS ASSOCS TRAV" cap
204	667054.6053	2191473.4464	3/8" rebar with Red" KS ASSOCS TRAV" cap
205	665555.6947	2191131.0459	5/8" rebar with Red" KS ASSOCS TRAV" cap
206	664981.3451	2190889.7288	3/8" rebar with Red" KS ASSOCS TRAV" cap
207	668377.2415	2193892.5373	3/8" rebar with Red" KS ASSOCS TRAV" cap
208	668637.4676	2194459.3850	5/8" rebar with Red" KS ASSOCS TRAV" cap
209	668692.4745	2194914.2863	MAG Nail
210	668192.0451	2194897.0847	5/8" rebar with Red" KS ASSOCS TRAV" cap
211	668017.5050	2194536.1716	5/8" rebar with Red" KS ASSOCS TRAV" cap
212	667432.2393	2193784.3971	3/8" rebar with Red" KS ASSOCS TRAV" cap
213	664460.1539	2190726.3565	MAG Nail
214	664145.8754	2190419.1245	5/8" rebar with Red" KS ASSOCS TRAV" cap
215	663557.0584	2190445.3331	3/8" rebar with Red" KS ASSOCS TRAV" cap
216	663349.9594	2190134.1566	5/8" rebar with Red" KS ASSOCS TRAV" cap
217	662814.7777	2190075.0378	5/8" rebar with Red" KS ASSOCS TRAV" cap
218	663332.0643	2189615.9621	MAG Nail
219	662596.0916	2189993.0277	5/8" rebar with Red" KS ASSOCS TRAV" cap
220	662495.5669	2190234.8231	5/8" rebar with Red" KS ASSOCS TRAV" cap
221	662404.8873	2189921.2771	5/8" rebar with Red" KS ASSOCS TRAV" cap
222	661705.8712	2189859.1868	5/8" rebar with Red" KS ASSOCS TRAV" cap
223	661391.4146	2189635.9722	5/8" rebar with Red" KS ASSOCS TRAV" cap
224	660979.1190	2189781.8872	5/8" rebar with Red" KS ASSOCS TRAV" cap
225	660746.4188	2189893.1027	MAG Nail
226	660803.4623	2190190.4397	MAG Nail
227	661154.1792	2190259.8817	5/8" rebar with Red" KS ASSOCS TRAV" cap
228	661604.1908	2190138.4080	MAG Nail
229	661994.0602	2190250.8223	5/8" rebar with Red" KS ASSOCS TRAV" cap
230	666220.7116	2193485.1413	5/8" rebar with Red" KS ASSOCS TRAV" cap
231	666127.3550	2192997.2125	5/8" rebar with Red" KS ASSOCS TRAV" cap
232	665887.3128	2192614.5922	5/8" rebar with Red" KS ASSOCS TRAV" cap
233	666007.8869	2192414.4050	5/8" rebar with Red" KS ASSOCS TRAV" cap
234	665759.9752	2192204.6915	5/8" rebar with Red" KS ASSOCS TRAV" cap
235	665625.8682	2191764.5019	5/8" rebar with Red" KS ASSOCS TRAV" cap

FOR LOCATIONS SEE DWG NOS. SP-003 AND SP-004.

**Independent Design Quality Manager
Released For Construction**


MAY 26 2011
 Name Date



DATE	REVISIONS	NO.
04/28/2011	FINAL SUBMITTAL	A
05/17/2011	APPROVED FOR CONSTRUCTION	1

DESIGN AGENCY

WALSH HNTB
WALSH CONSTRUCTION

DESIGN AGENCY

ANNERBELT BRIDGE
90

SURVEY CONTROL

BASELINE OF SURVEY CONTROL POINTS

DESIGNED	CHECKED
DWG. NO. SC-005	
CUY-90-14.90	
22 22	