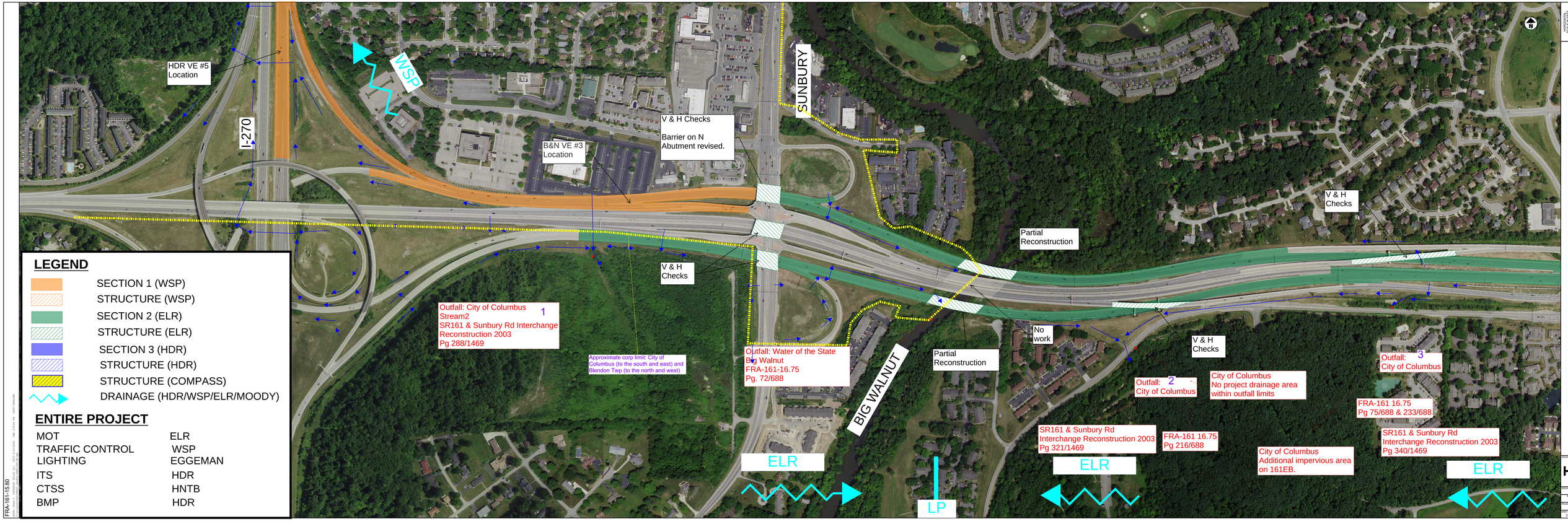
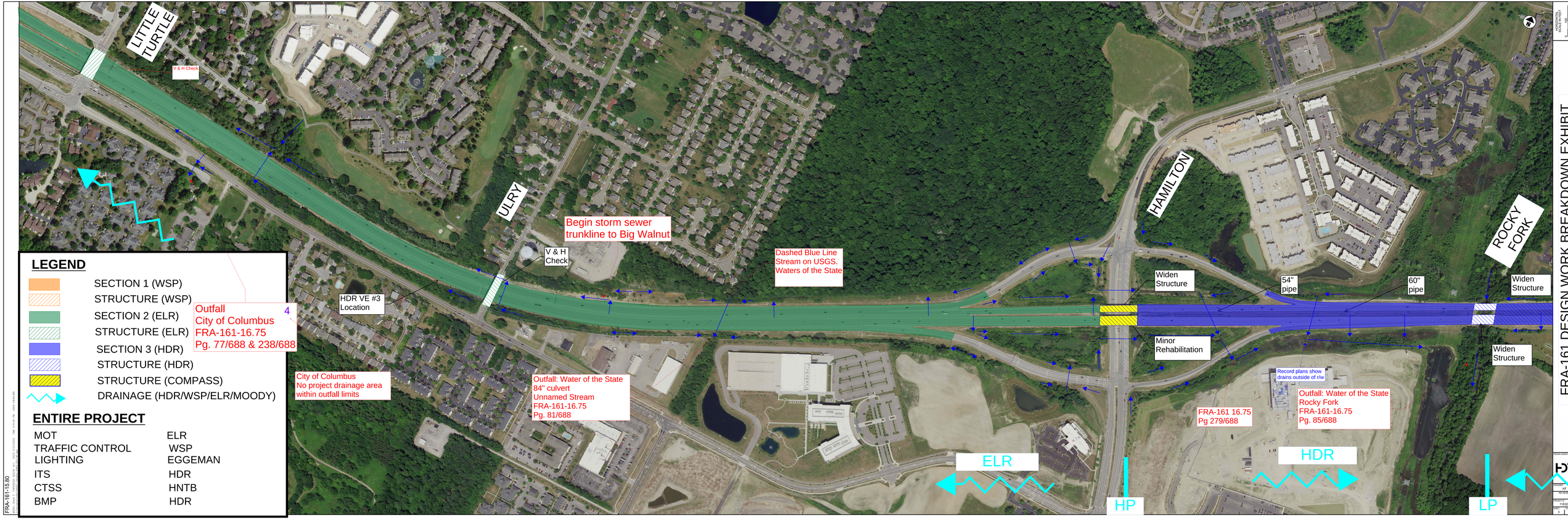


FRA-161 DESIGN WORK BREAKDOWN EXHIBIT

FRA-161-15.80


LITTLE TURTLE
V & H Check
ULRY
Begin storm sewer trunkline to Big Walnut
V & H Check
HDR VE #3 Location
Dashed Blue Line Stream on USGS. Waters of the State
HAMILTON
ROCKY FORK
Widen Structure
54" pipe
60" pipe
Widen Structure
Minor Rehabilitation
Widen Structure
Record plans show drains outside of r/w
Outfall: Water of the State Rocky Fork FRA-161-16.75 Pg. 85/688
FRA-161 16.75 Pg 279/688
City of Columbus No project drainage area within outfall limits
Outfall: Water of the State 84" culvert Unnamed Stream FRA-161-16.75 Pg. 81/688
ELR
HDR
HP
LP
LEGEND
SECTION 1 (WSP)
STRUCTURE (WSP)
SECTION 2 (ELR)
STRUCTURE (ELR)
SECTION 3 (HDR)
STRUCTURE (HDR)
STRUCTURE (COMPASS)
DRAINAGE (HDR/WSP/ELR/MOODY)
Outfall 4
City of Columbus
FRA-161-16.75
Pg. 77/688 & 238/688
ENTIRE PROJECT
MOT
TRAFFIC CONTROL
LIGHTING
ITS
CTSS
BMP
ELR
WSP
EGGEMAN
HDR
HNTB
HDR
HORIZONTAL SCALE IN FEET
FRA-161 DESIGN WORK BREAKDOWN EXHIBIT
FRA-161-15.80

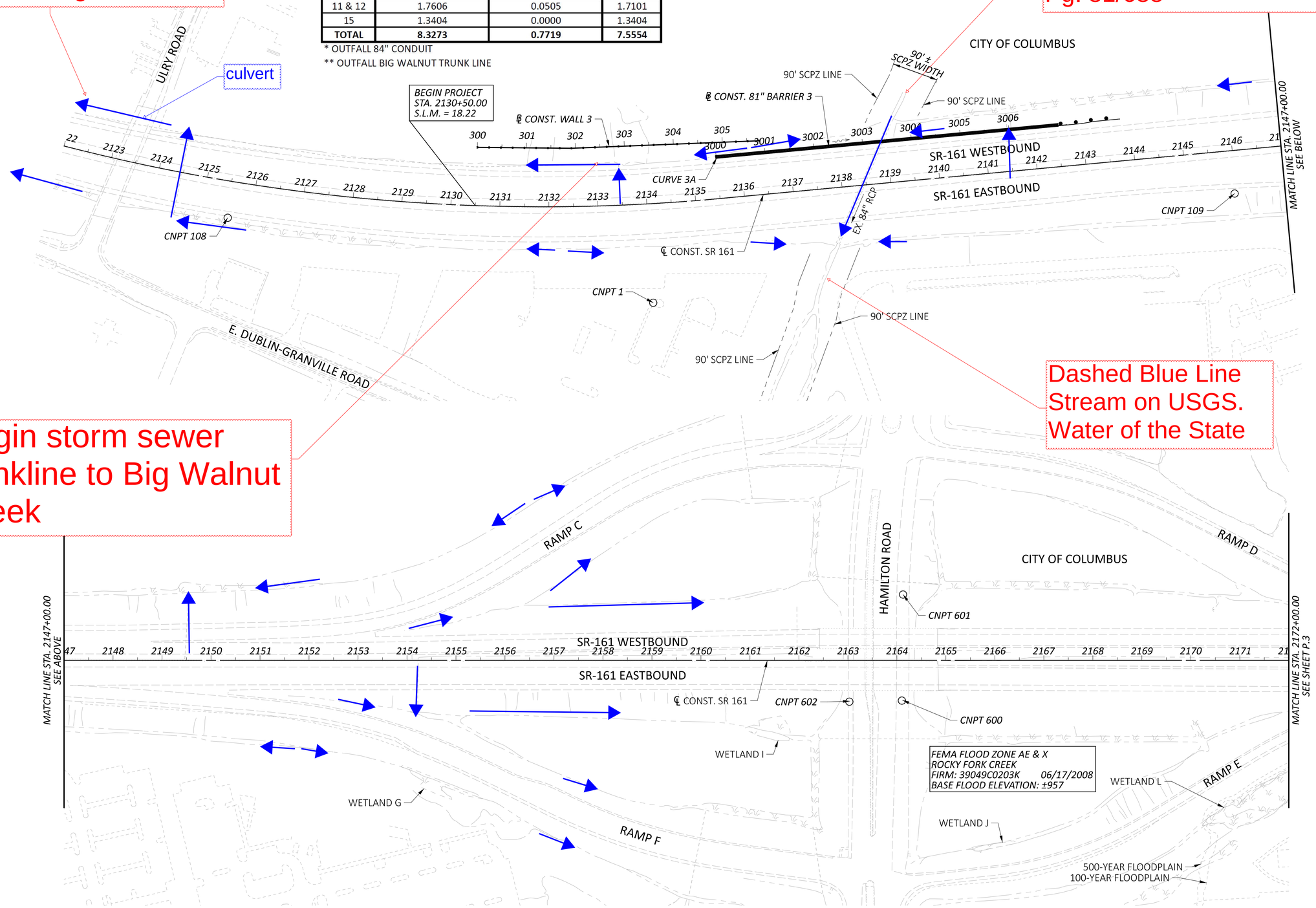
Continue trunkline to Big Walnut Creek Outfall: Water of the State Big Walnut FRA-161-16.75 Pg. 72/688

Outfall: Water of the State 84" culvert Unnamed Stream FRA-161-16.75 Pg. 81/688

WALL NO.	CONST. LIMITS AREA (ACRES)	RESURFACING AREA (ACRES)	EDA AREA (ACRES)
3*	0.4590	0.1246	0.3344
3**	0.4300	0.0200	0.4100
6	0.9789	0.1753	0.8036
8	1.4166	0.1495	1.2671
9 & 10	1.9418	0.2520	1.6898
11 & 12	1.7606	0.0505	1.7101
15	1.3404	0.0000	1.3404
TOTAL	**8.3273**	**0.7719**	**7.5554**

* OUTFALL 84" CONDUIT

** OUTFALL BIG WALNUT TRUNK LINE



HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT DRAINAGE OUTFALLS
STA. 2122+00.00 TO STA. 2172+00.00

FRA-161-15.80 NOISE WALLS

MODEL: CLP_SR161 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2024-02-07 TIME: 9:27:25 AM USER: jennifer.kelley
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\143720\400_CAD\400-Engineering\Roadway\Sheets\Outfall Exhibit.dgn

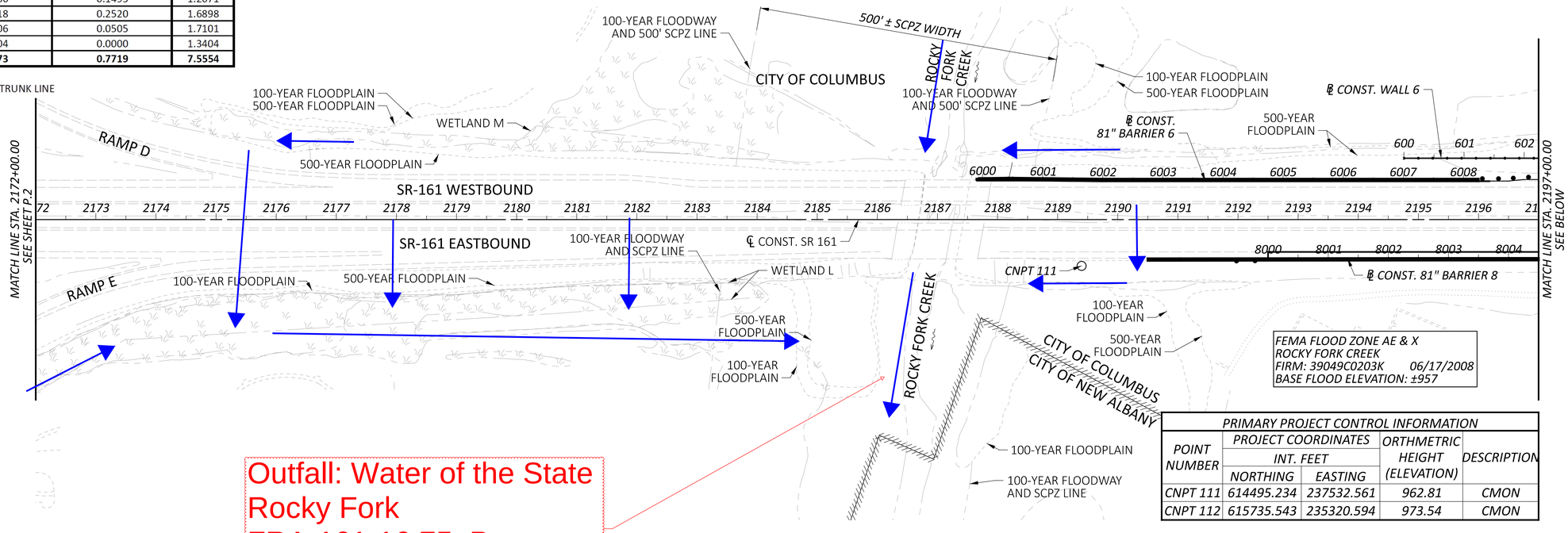
DESIGN AGENCY
ARCADIS
8101 NORTH HIGH ST SUITE 100
COLUMBUS, OHIO 43235
(614) 847-4600
www.arcadis.com

DESIGNER JMK
REVIEWER JDH 01-22-24
PROJECT ID 117607
SHEET P.2 TOTAL P.276

WALL NO.	CONST. LIMITS AREA (ACRES)	RESURFACING AREA (ACRES)	EDA AREA (ACRES)
3*	0.4590	0.1246	0.3344
3**	0.4300	0.0200	0.4100
6	0.9789	0.1753	0.8036
8	1.4166	0.1495	1.2671
9 & 10	1.9418	0.2520	1.6898
11 & 12	1.7606	0.0505	1.7101
15	1.3404	0.0000	1.3404
TOTAL	**8.3273**	**0.7719**	**7.5554**

* OUTFALL 84" CONDUIT

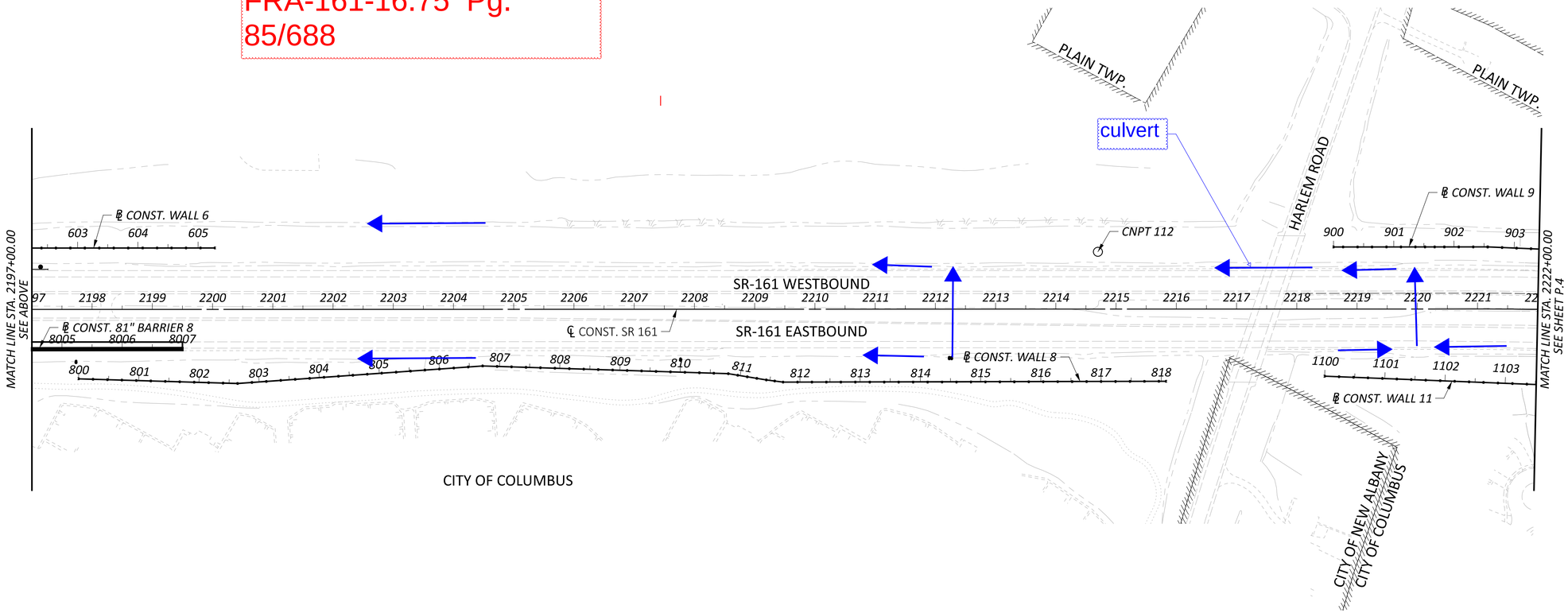
** OUTFALL BIG WALNUT TRUNK LINE



FEMA FLOOD ZONE AE & X
ROCKY FORK CREEK
FIRM: 39049C0203K 06/17/2008
BASE FLOOD ELEVATION: ±957

PRIMARY PROJECT CONTROL INFORMATION				
POINT NUMBER	PROJECT COORDINATES INT. FEET NORTHING	PROJECT COORDINATES INT. FEET EASTING	ORTHMETRIC HEIGHT (ELEVATION)	DESCRIPTION
CNPT 111	614495.234	237532.561	962.81	CMON
CNPT 112	615735.543	235320.594	973.54	CMON

Outfall: Water of the State
Rocky Fork
FRA-161-16.75 Pg. 85/688



HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT DRAINAGE OUTFALLS
STA. 2172+00.00 TO STA. 2222+00.00

FRA-161-15.80 NOISE WALLS

MODEL: CLP_SR161 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2024-02-06 TIME: 3:43:55 PM USER: sean.buchanan
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\143720\400_CAD\400-Engineering\Roadway\Sheets\Outfall Exhibit.dgn

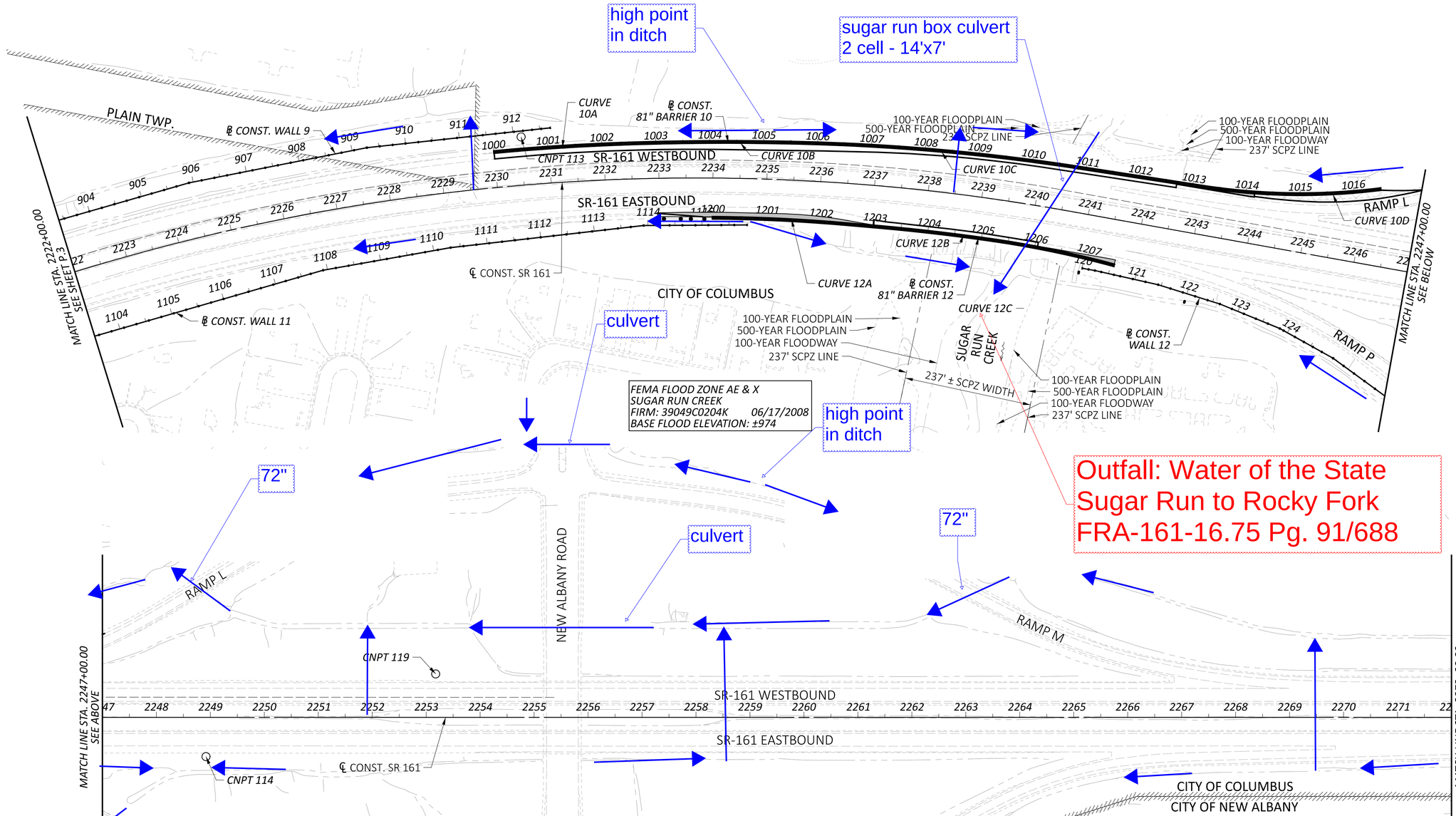
DESIGN AGENCY
ARCADIS
8101 NORTH HIGH ST SUITE 100
COLUMBUS, OHIO 43235
(614) 846-4600
www.arcadis.com

DESIGNER JMK

REVIEWER JDH 01-22-24

PROJECT ID 117607

SHEET P.3 TOTAL P.276



WALL NO.	CONST. LIMITS AREA (ACRES)	RESURFACING AREA (ACRES)	EDA AREA (ACRES)
3*	0.4590	0.1246	0.3344
3**	0.4300	0.0200	0.4100
6	0.9789	0.1753	0.8036
8	1.4166	0.1495	1.2671
9 & 10	1.9418	0.2520	1.6898
11 & 12	1.7606	0.0505	1.7101
15	1.3404	0.0000	1.3404
TOTAL	**8.3273**	**0.7719**	**7.5554**

* OUTFALL 84" CONDUIT

** OUTFALL BIG WALNUT TRUNK LINE

HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT DRAINAGE OUTFALLS
STA. 2222+00.00 TO STA. 2272+00.00

FRA-161-15.80 NOISE WALLS

DESIGN AGENCY
ARCADIS
8101 NORTH HIGH ST SUITE 100
COLUMBUS, OHIO 43235
(614) 846-4600
www.arcadis.com

DESIGNER JMK

REVIEWER JDH 01-22-24

PROJECT ID 117607

SHEET P.4 TOTAL P.276

MODEL: CLP_SR161 - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2024-02-06 TIME: 3:43:58 PM USER: sean.buchanan
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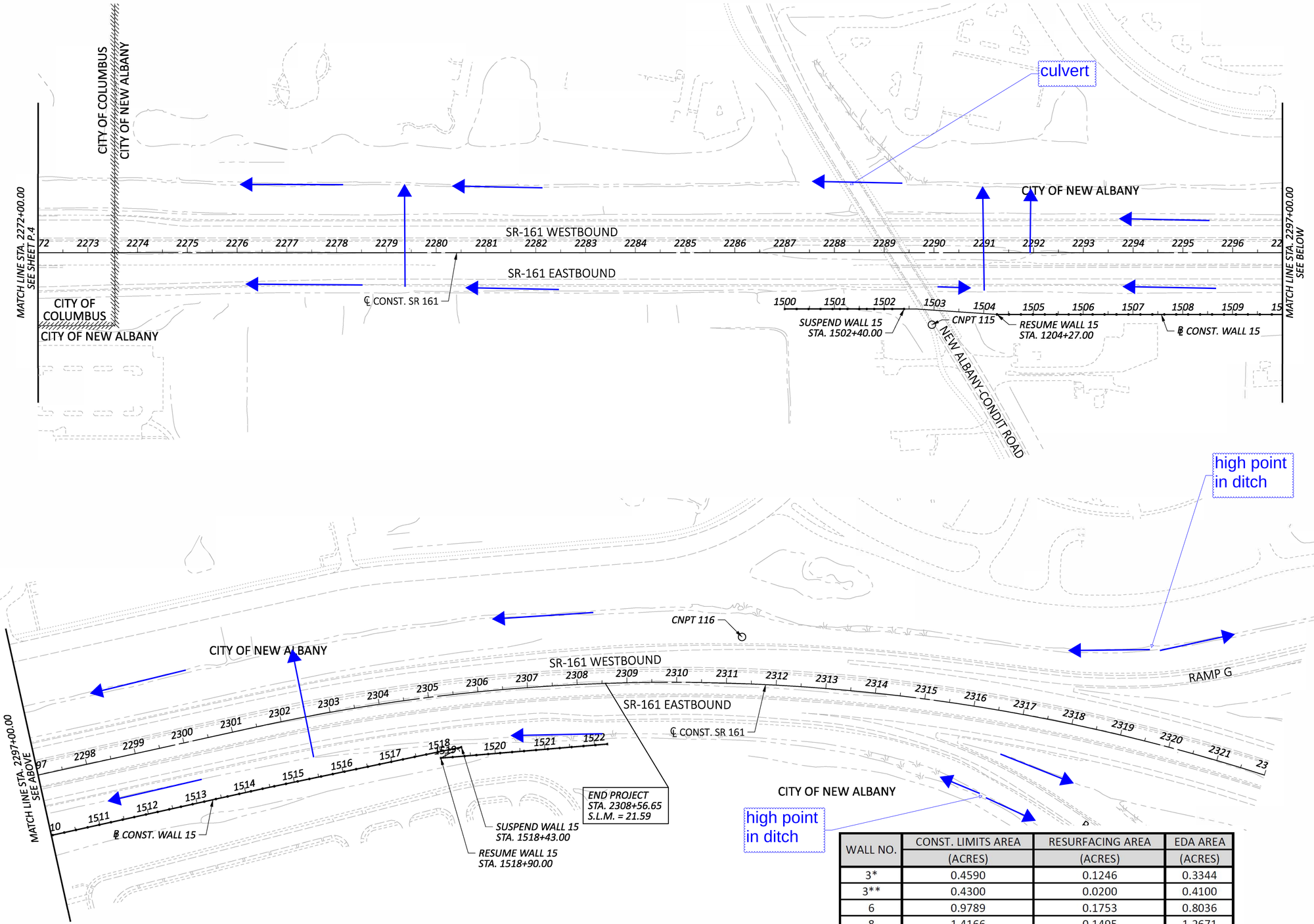

WALL NO.	CONST. LIMITS AREA (ACRES)	RESURFACING AREA (ACRES)	EDA AREA (ACRES)
3*	0.4590	0.1246	0.3344
3**	0.4300	0.0200	0.4100
6	0.9789	0.1753	0.8036
8	1.4166	0.1495	1.2671
9 & 10	1.9418	0.2520	1.6898
11 & 12	1.7606	0.0505	1.7101
15	1.3404	0.0000	1.3404
TOTAL	**8.3273**	**0.7719**	**7.5554**

* OUTFALL 84" CONDUIT

** OUTFALL BIG WALNUT TRUNK LINE

HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT DRAINAGE OUTFALLS
STA. 2272+00.00 TO STA. 2322+00.00

FRA-161-15.80 NOISE WALLS

MODEL: CLP_SR161 - Plan 7 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2024-02-06 TIME: 3:44:00 PM USER: sean.buchanan
pw:\\arcadis-us-pw.bentley.com:arcadis-us-01\Documents\01 Active Projects\143720\400_CAD\400-Engineering\Roadway\Sheets\Outfall Exhibit.dgn

DESIGN AGENCY
ARCADIS
8101 NORTH HIGH ST SUITE 100
COLUMBUS, OHIO 43235
(614) 846-4500
www.arcadis.com

DESIGNER JMK
REVIEWER JDH 01-22-24
PROJECT ID 117607
SHEET P.5 TOTAL P.276

LEGEND
SECTION 1 (WSP)
STRUCTURE (WSP)
SECTION 2 (ELR)
STRUCTURE (ELR)
SECTION 3 (HDR)
STRUCTURE (HDR)
STRUCTURE (COMPASS)
DRAINAGE (HDR/WSP/ELR/MOODY)
ENTIRE PROJECT
MOT
TRAFFIC CONTROL
LIGHTING
ITS
CTSS
BMP
ELR
WSP
EGGEMAN
HDR
HNTB
HDR
HARLEM
culvert
high point in ditch
sugar run box culvert 2 cell - 14'x7'
72"
72"
NEW ALBANY
NEW ALBANY CONDIT
V & H Check
Outfall: Water of the State
Sugar Run to Rocky Fork
FRA-161-16.75
Pg. 91/688
V&H Check Pier Protection
Approximate corp limits: City of Columbus (to the West) and City of New Albany (to the East)
HDR
HDR
HDR
FRA-161 DESIGN WORK BREAKDOWN EXHIBIT
HORIZONTAL SCALE IN FEET
FRA-161-15.80