

APPENDIX F

Alternatives Exhibits

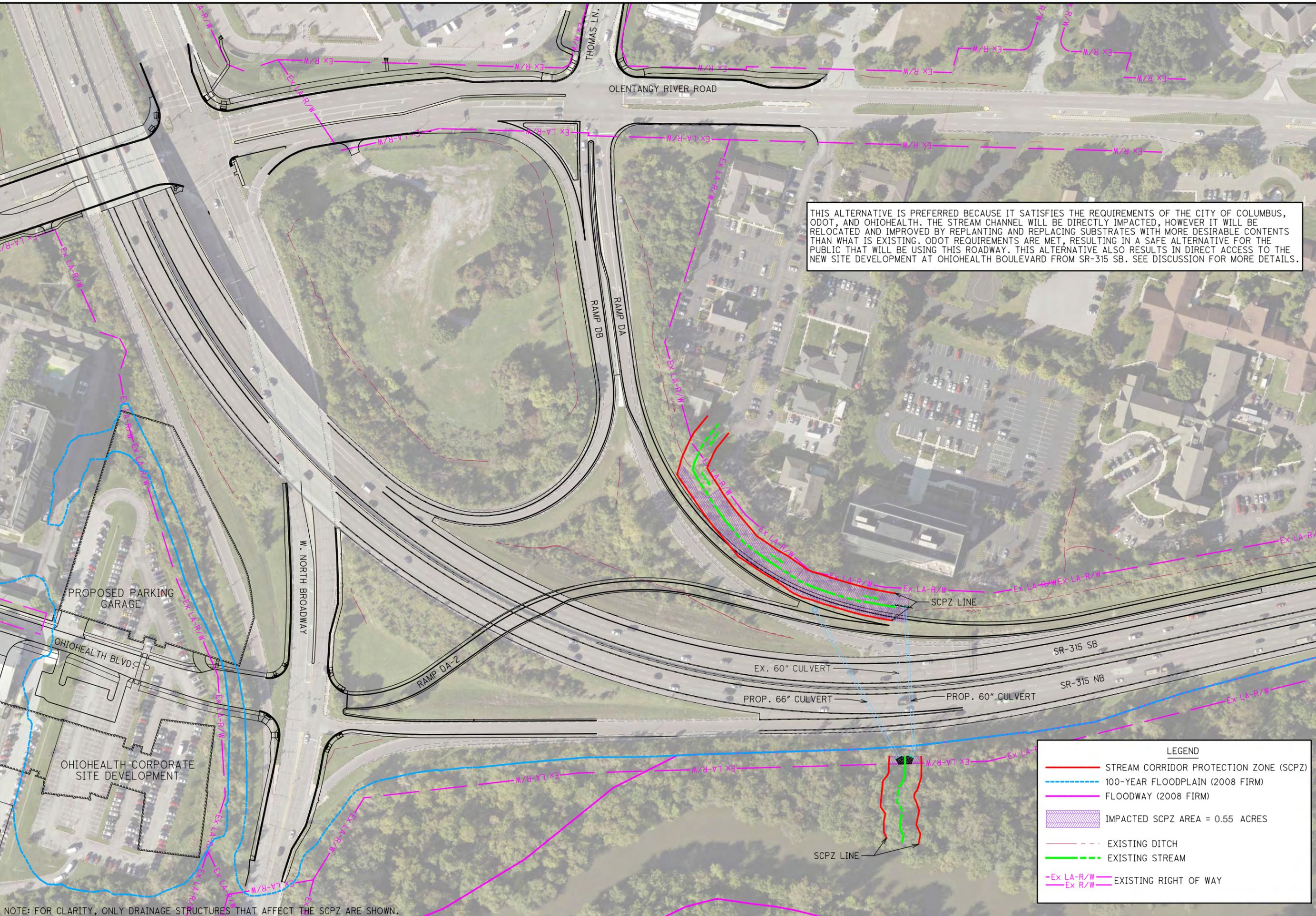
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CALCULATED
DSS
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MRT

40
80
160
HORIZONTAL
SCALE IN FEET

THIS ALTERNATIVE IS PREFERRED BECAUSE IT SATISFIES THE REQUIREMENTS OF THE CITY OF COLUMBUS, ODOT, AND OHIOHEALTH. THE STREAM CHANNEL WILL BE DIRECTLY IMPACTED, HOWEVER IT WILL BE RELOCATED AND IMPROVED BY REPLANTING AND REPLACING SUBSTRATES WITH MORE DESIRABLE CONTENTS THAN WHAT IS EXISTING. ODOT REQUIREMENTS ARE MET, RESULTING IN A SAFE ALTERNATIVE FOR THE PUBLIC THAT WILL BE USING THIS ROADWAY. THIS ALTERNATIVE ALSO RESULTS IN DIRECT ACCESS TO THE NEW SITE DEVELOPMENT AT OHIOHEALTH BOULEVARD FROM SR-315 SB. SEE DISCUSSION FOR MORE DETAILS.

SR-315 INTERCHANGE
SCPZ PREFERRED ALTERNATIVE



SCPZ VARIANCE

LEGEND

- STREAM CORRIDOR PROTECTION ZONE (SCPZ)
- - - 100-YEAR FLOODPLAIN (2008 FIRM)
- FLOODWAY (2008 FIRM)
- IMPACTED SCPZ AREA = 0.55 ACRES
- - - EXISTING DITCH
- - - EXISTING STREAM
- - - Ex LA-R/W
- Ex R/W

NOTE: FOR CLARITY, ONLY DRAINAGE STRUCTURES THAT AFFECT THE SCPZ ARE SHOWN.

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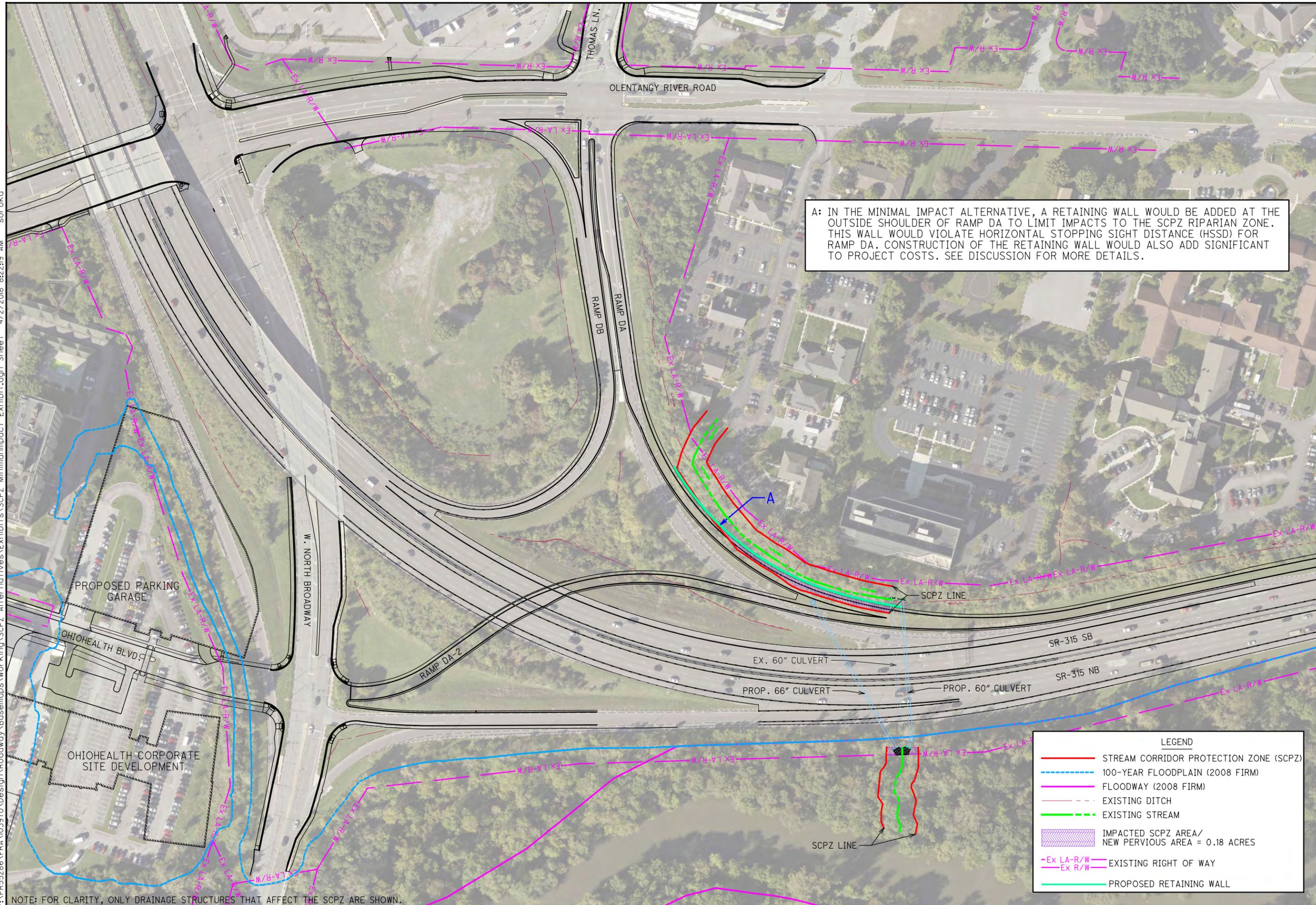
0 40 80 160
HORIZONTAL
SCALE IN FEET

SR-315 INTERCHANGE
SCPZ MINIMAL IMPACT ALTERNATIVE

SCPZ VARIANCE



A: IN THE MINIMAL IMPACT ALTERNATIVE, A RETAINING WALL WOULD BE ADDED AT THE OUTSIDE SHOULDER OF RAMP DA TO LIMIT IMPACTS TO THE SCPZ RIPARIAN ZONE. THIS WALL WOULD VIOLATE HORIZONTAL STOPPING SIGHT DISTANCE (HSSD) FOR RAMP DA. CONSTRUCTION OF THE RETAINING WALL WOULD ALSO ADD SIGNIFICANT TO PROJECT COSTS. SEE DISCUSSION FOR MORE DETAILS.



LEGEND

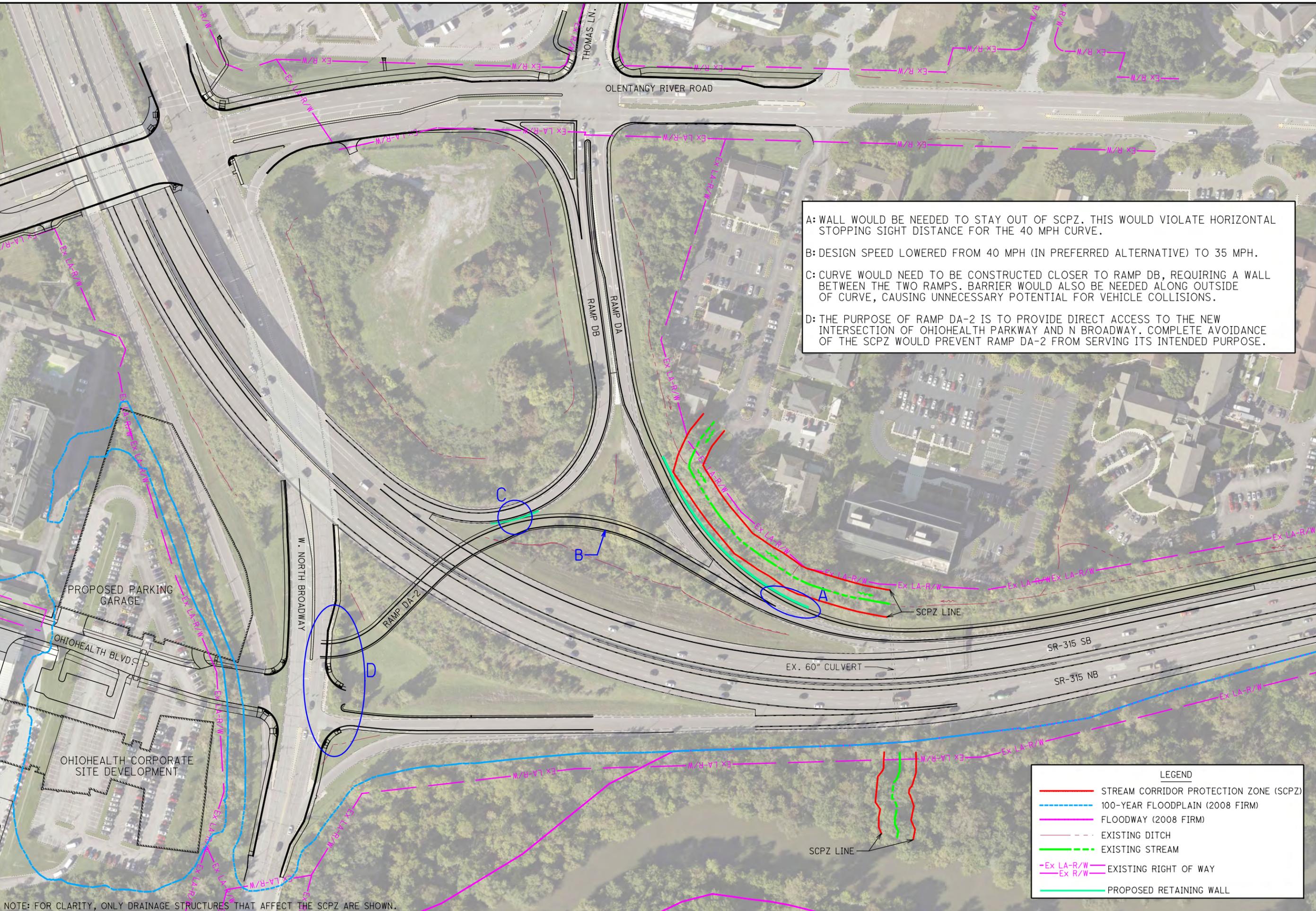
	STREAM CORRIDOR PROTECTION ZONE (SCPZ)
	100-YEAR FLOODPLAIN (2008 FIRM)
	FLOODWAY (2008 FIRM)
	EXISTING DITCH
	EXISTING STREAM
	IMPACTED SCPZ AREA/ NEW PERVIOUS AREA = 0.18 ACRES
	-Ex LA-R/W
	-Ex R/W
	PROPOSED RETAINING WALL

NOTE: FOR CLARITY, ONLY DRAINAGE STRUCTURES THAT AFFECT THE SCPZ ARE SHOWN.

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CALCULATED
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MRT

0 80 160
40
HORIZONTAL
SCALE IN FEET



A: WALL WOULD BE NEEDED TO STAY OUT OF SCPZ. THIS WOULD VIOLATE HORIZONTAL STOPPING SIGHT DISTANCE FOR THE 40 MPH CURVE.

B: DESIGN SPEED LOWERED FROM 40 MPH (IN PREFERRED ALTERNATIVE) TO 35 MPH.

C: CURVE WOULD NEED TO BE CONSTRUCTED CLOSER TO RAMP DB, REQUIRING A WALL BETWEEN THE TWO RAMPS. BARRIER WOULD ALSO BE NEEDED ALONG OUTSIDE OF CURVE, CAUSING UNNECESSARY POTENTIAL FOR VEHICLE COLLISIONS.

D: THE PURPOSE OF RAMP DA-2 IS TO PROVIDE DIRECT ACCESS TO THE NEW INTERSECTION OF OHIOHEALTH PARKWAY AND N BROADWAY. COMPLETE AVOIDANCE OF THE SCPZ WOULD PREVENT RAMP DA-2 FROM SERVING ITS INTENDED PURPOSE.

LEGEND

- STREAM CORRIDOR PROTECTION ZONE (SCPZ)
- - - 100-YEAR FLOODPLAIN (2008 FIRM)
- FLOODWAY (2008 FIRM)
- - - EXISTING DITCH
- - - EXISTING STREAM
- - - Ex LA-R/W
- EXISTING RIGHT OF WAY
- PROPOSED RETAINING WALL

NOTE: FOR CLARITY, ONLY DRAINAGE STRUCTURES THAT AFFECT THE SCPZ ARE SHOWN.

SR-315 INTERCHANGE
SCPZ NO IMPACT ALTERNATIVE

SCPZ VARIANCE

