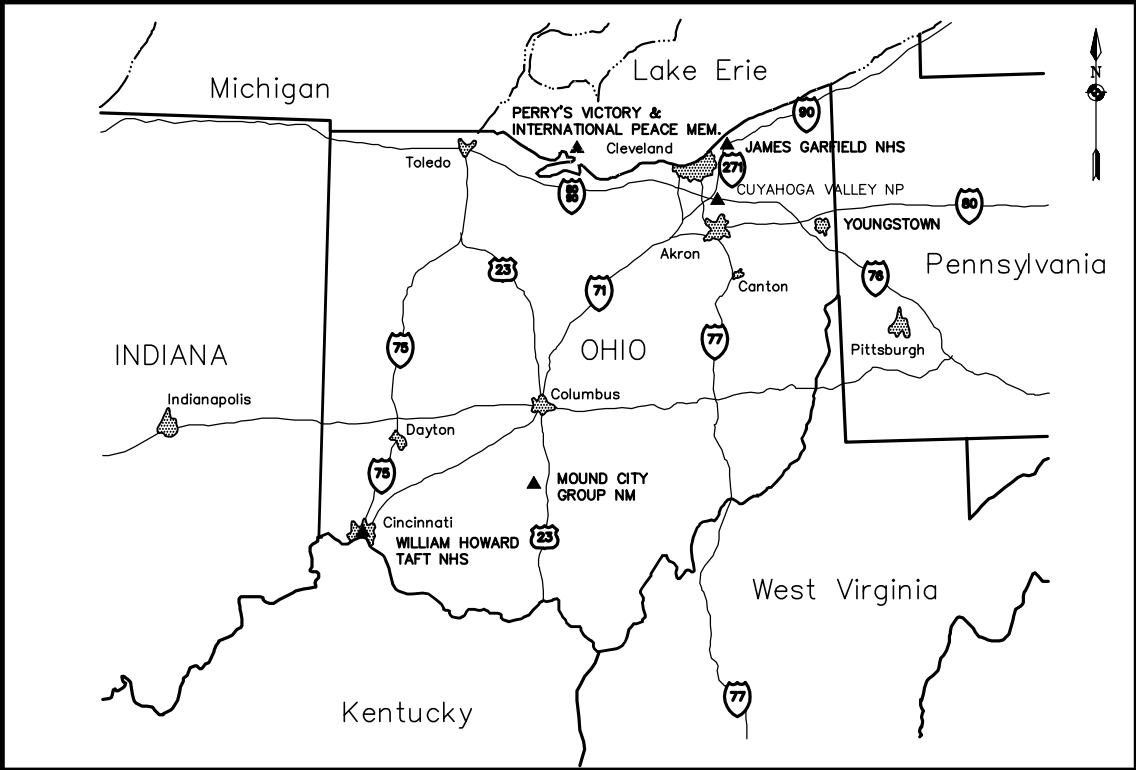
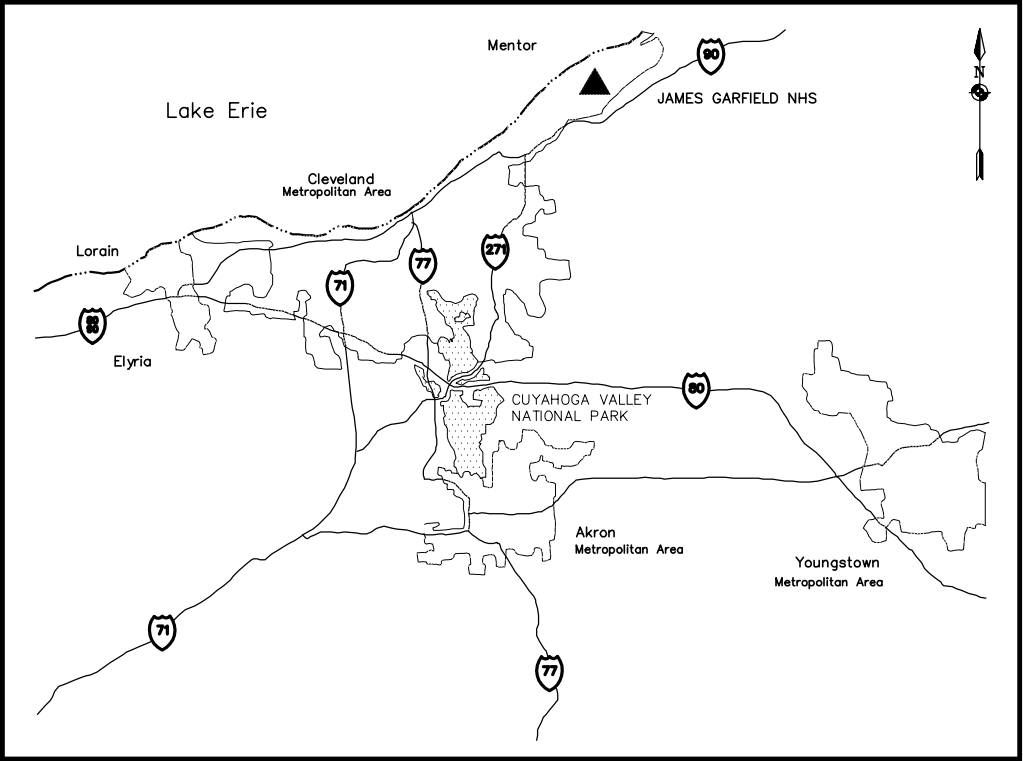
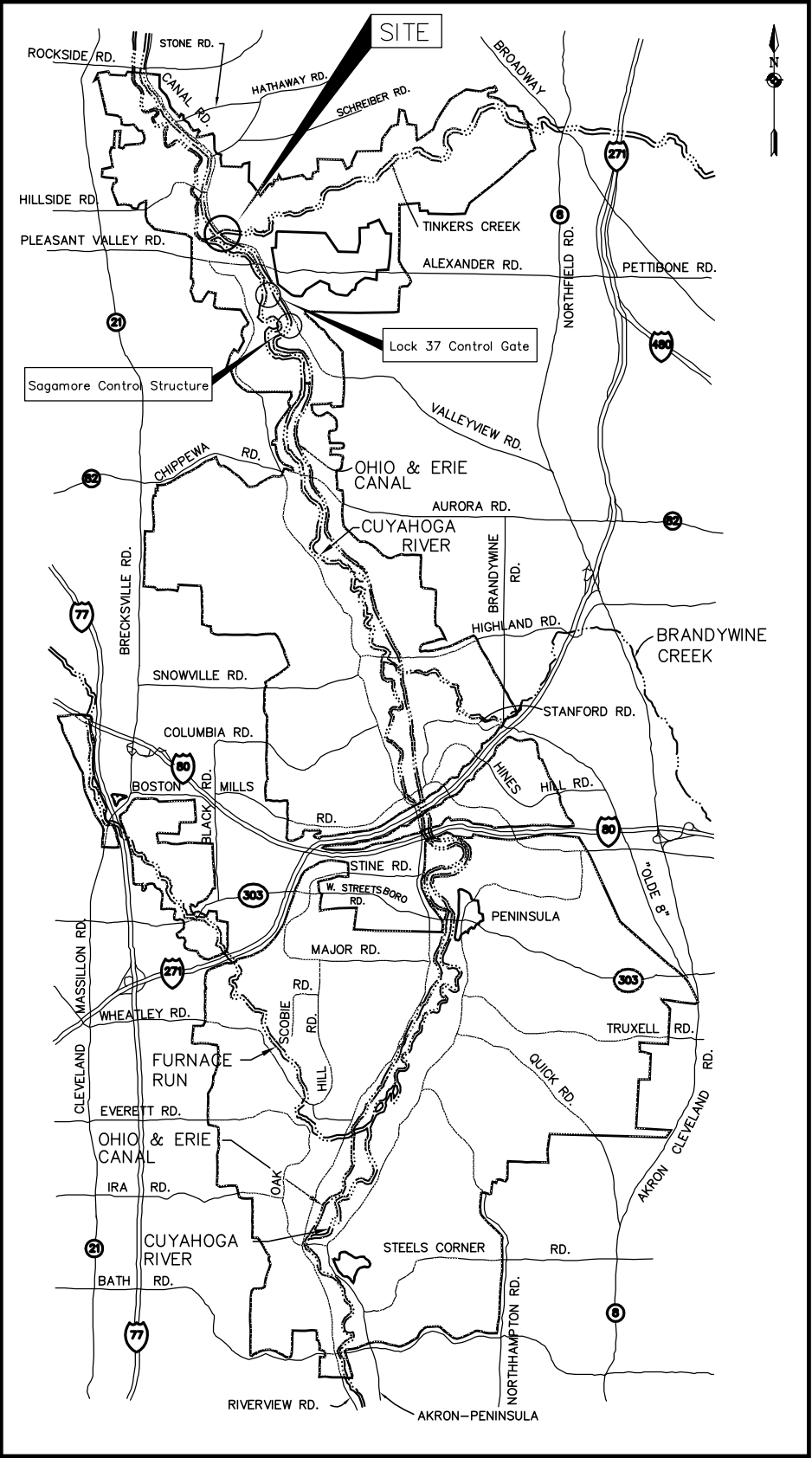




AREA MAP



VICINITY MAP



LOCATION MAP

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* ANTICIPATED FOR THE FINAL SET OF PLANS
NOT INCLUDED WITH THE PRELIMINARY PLAN SET

PRELIMINARY



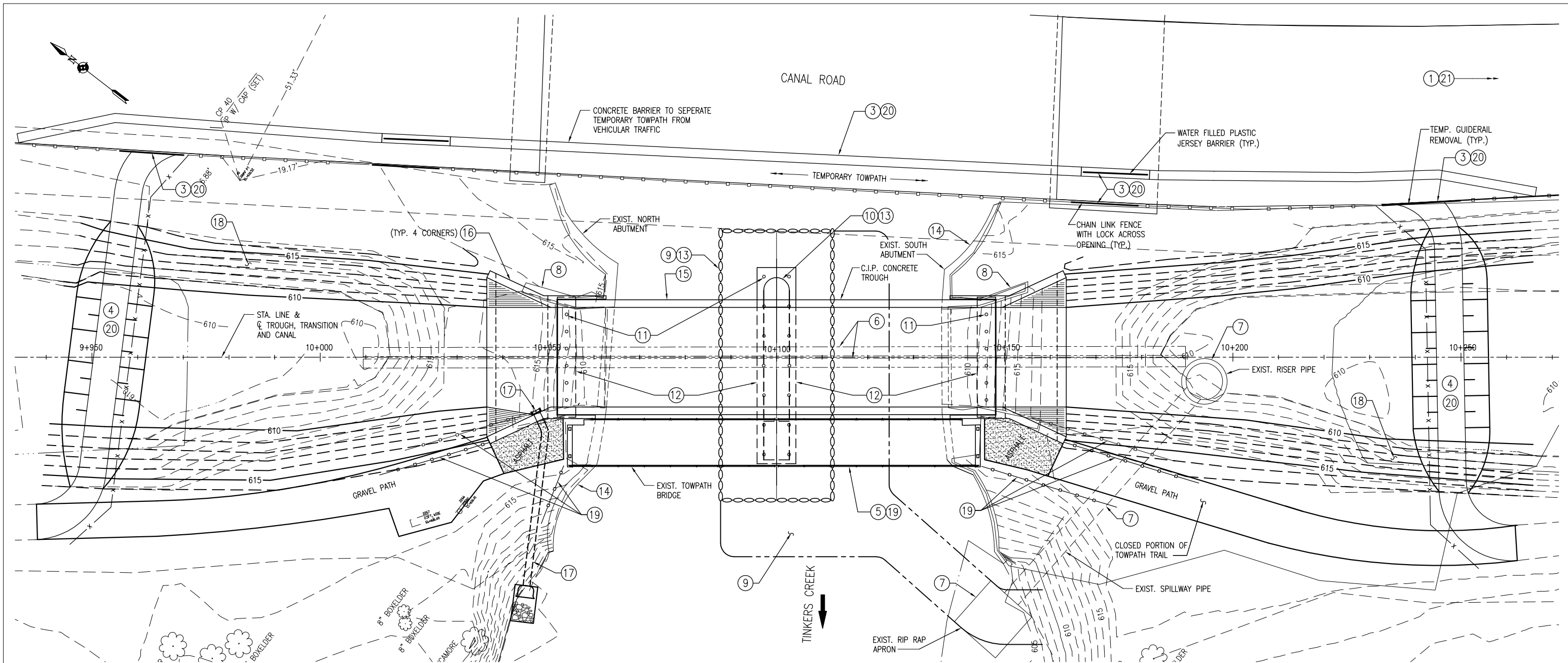
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95 East Main Street, Rochester, New York 14614
585.589.5185 / 585.329.4659 fax

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DRAWN:	ALA
TECH REVIEW:	KRA
DATE:	APRIL 2009



TITLE OF SHEET	
COVER SHEET	
CUYAHOGA VALLEY NATIONAL PARK TINKERS CREEK REPLACEMENT/REHABILITATION - PHASE 2	
CUYAHOGA VALLEY NATIONAL PARK	

DRAWING NO.	
XXX XX	
PKG. NO.	SHEET
—	1
—	OF 22



PLAN

CONSTRUCTION SEQUENCE:

- ① CLOSE INTAKE GATES AT BRECKSVILLE FEEDER GATE STRUCTURE. OPEN OTHER WASTE WEIRS AS NECESSARY TO DRAIN THE OHIO AND ERIE CANAL NORTH OF THE BRECKSVILLE FEEDER GATE STRUCTURE TO A MAXIMUM WATER ELEVATION OF 610.0'. THIS ACTION WILL BE PERFORMED BY NPS STAFF. NOTE: NPS WILL REQUIRE SOME WATER TO REMAIN IN THE CANAL; ONE TO TWO FEET OF WATER WILL ALWAYS BE PRESENT IN THE CANAL EVEN AFTER DRAINING.
- ② INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES.
- ③ INSTALL TEMPORARY CONCRETE BARRIER ALONG CANAL ROAD AND CREATE OPENING IN EXISTING GUIDERAILING FOR TOWPATH DETOUR AND CONTRACTOR ACCESS.
- ④ INSTALL TEMPORARY TOWPATH DETOUR AND SAFETY FENCE.
- ⑤ REMOVE AND STORE EXISTING PEDESTRIAN BRIDGE AND BEARINGS.
- ⑥ EXCAVATE AND REMOVE TWO EXISTING STEEL CONVEYANCE PIPES AND ASSOCIATED CONCRETE SUPPORTS.
- ⑦ REMOVE EXISTING RISER PIPE. FILL SPILLWAY PIPE WITH CONTROLLED LOW STRENGTH FILL AND REMOVE RIP RAP APRON.
- ⑧ REMOVE EXISTING CONCRETE TRANSITION STRUCTURE AND PEDESTRIAN BRIDGE ABUTMENTS.
- ⑨ INSTALL CAUSEWAY AND COFFERDAM AROUND PIER.
- ⑩ MARK, DOCUMENT, DISMANTLE AND STORE EXISTING MASONRY PIER DOWN TO TIMBER MAT.
- ⑪ INSTALL MICRO PILES FOR PIER AND ABUTMENTS.
- ⑫ CONSTRUCT PIER AND ABUTMENT PILE CAPS.
- ⑬ REASSEMBLE STONE PIER, BACKFILL AND REMOVE COFFERDAM.
- ⑭ REHABILITATE EXISTING MASONRY ABUTMENTS.
- ⑮ INSTALL FALSE WORK AND CONSTRUCT CONCRETE TROUGH.
- ⑯ CONSTRUCT CONCRETE TRANSITION STRUCTURES.
- ⑰ INSTALL WASTE GATE AND OUTFALL PIPE.
- ⑱ BACKFILL AROUND TRANSITION STRUCTURES AND GRADE FINAL CANAL SLOPES.
- ⑲ REINSTALL PEDESTRIAN BRIDGE, RAILINGS AND SPLIT RAIL FENCE.
- ⑳ CLOSE GUIDERAIL OPENINGS, REMOVE TEMPORARY CONCRETE BARRIER FROM CANAL ROAD, REMOVE TEMPORARY TOWPATH AND RE-OPEN TOWPATH ON FINISHED ALIGNMENT.
- ㉑ ADJUST GATE ELEVATION AT LOCK 37 WASTE WEIR, LOCATED 0.92 MILES SOUTH OF TINKERS CREEK ON CANAL ROAD. ADJUST FROM EL. 622.4 FT TO EL. 621.0 FT. VERIFY WITH NPS. VERIFY FINAL ELEVATION OF SAGAMORE GATE STRUCTURE ELEVATION, LOCATED 1.36 MILES SOUTH OF TINKERS CREEK ON CANAL ROAD. SEE SHEET 1 FOR LOCATION. NPS WILL OPEN BRECKSVILLE FEEDER GATES AND REWATER THE CANAL.

LEGEND

- x—x—x— SAFETY FENCE
○○○○○○ COFFERDAM

PRELIMINARY



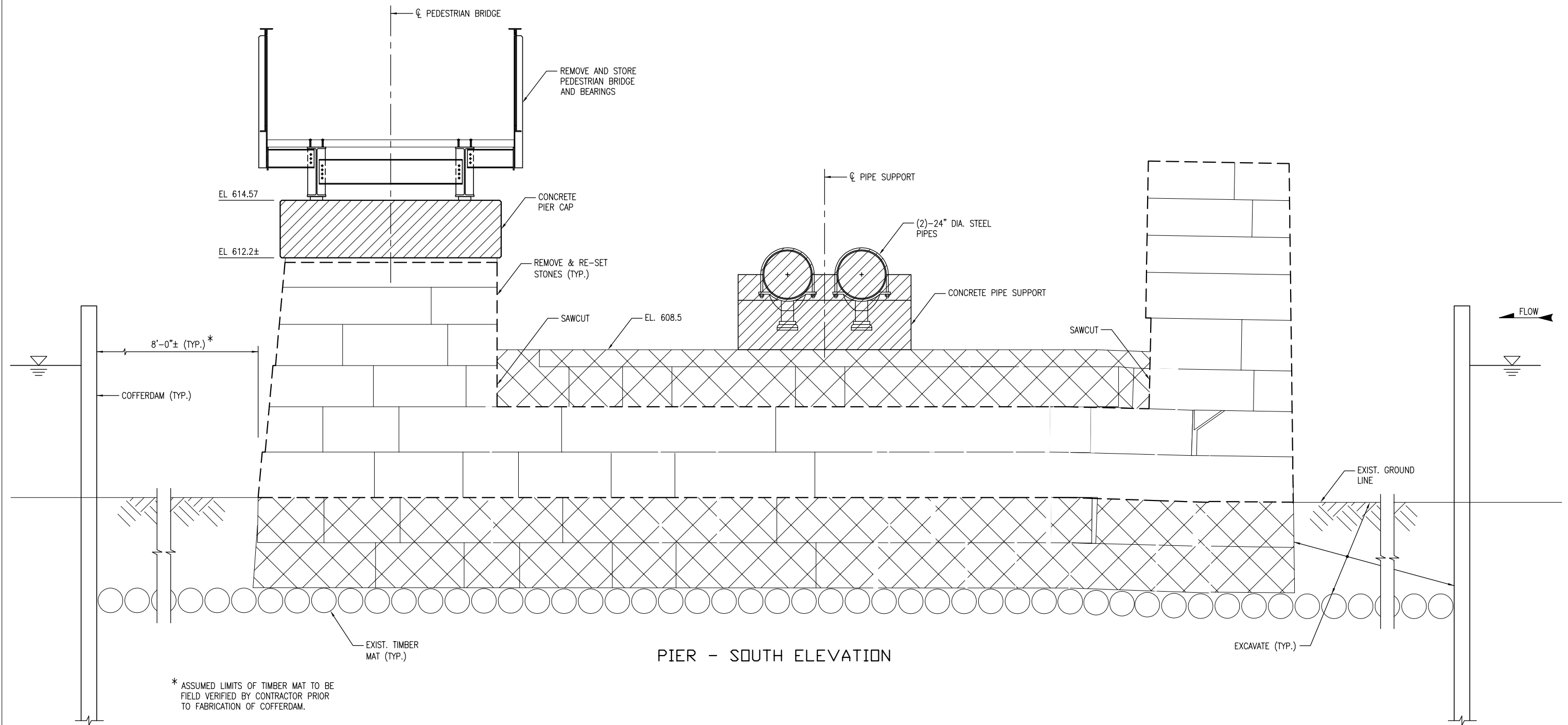
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TITLE OF SHEET
SITE PLAN
CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

DRAWING NO.
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NO.
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SHEET
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OF 22



LEGEND:

- 
AREA OF STONE TO BE REMOVED AND SALVAGED
- 
REMOVE AND DISPOSE OF MATERIAL
- 
EXISTING STONE MASONRY WITHIN THESE LIMITS SHALL BE PIECE MARKED, REMOVED, STORED AND RESET IN THE RECONSTRUCTED PIER

PRELIMINARY

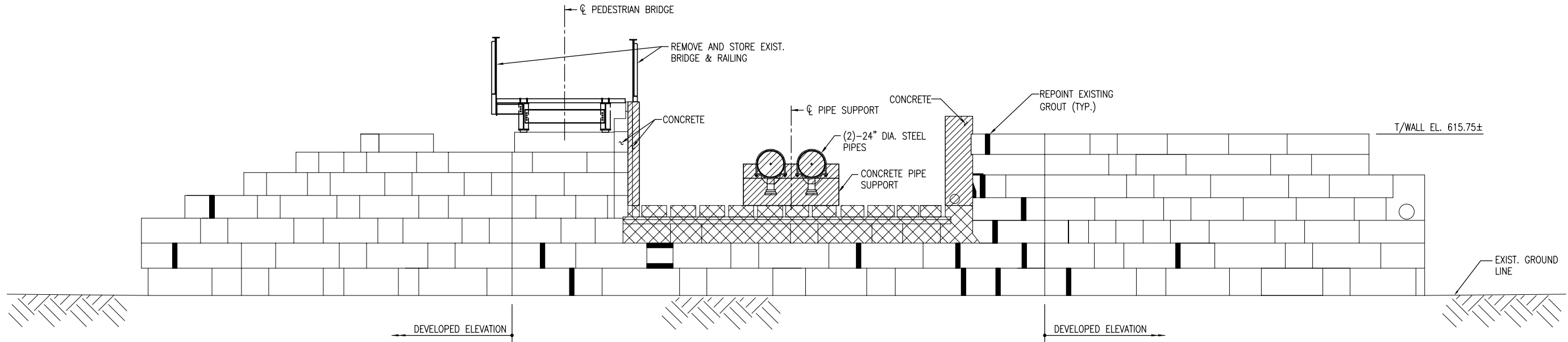


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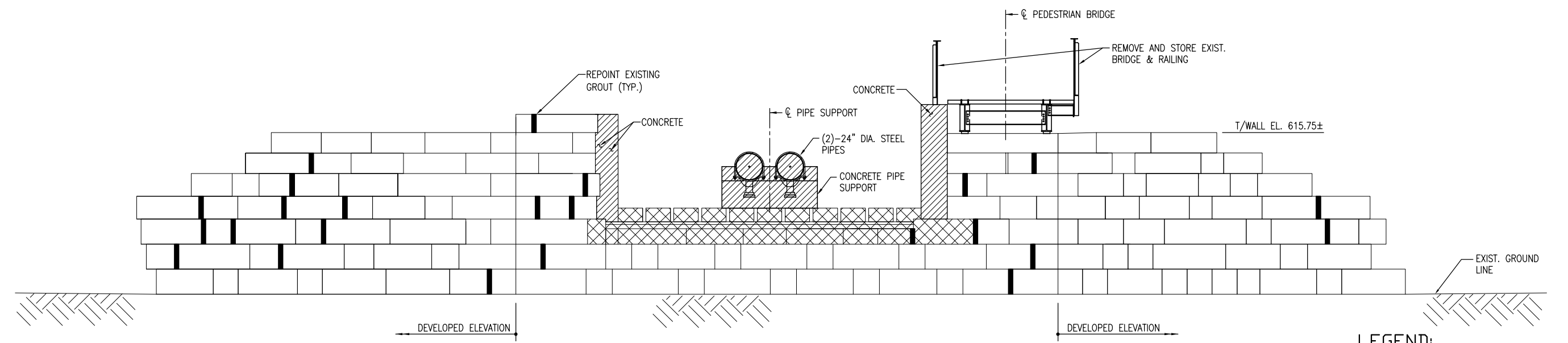


TITLE OF SHEET
PIER REMOVAL
CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

DRAWING NO.
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OF 22



NORTH ELEVATION

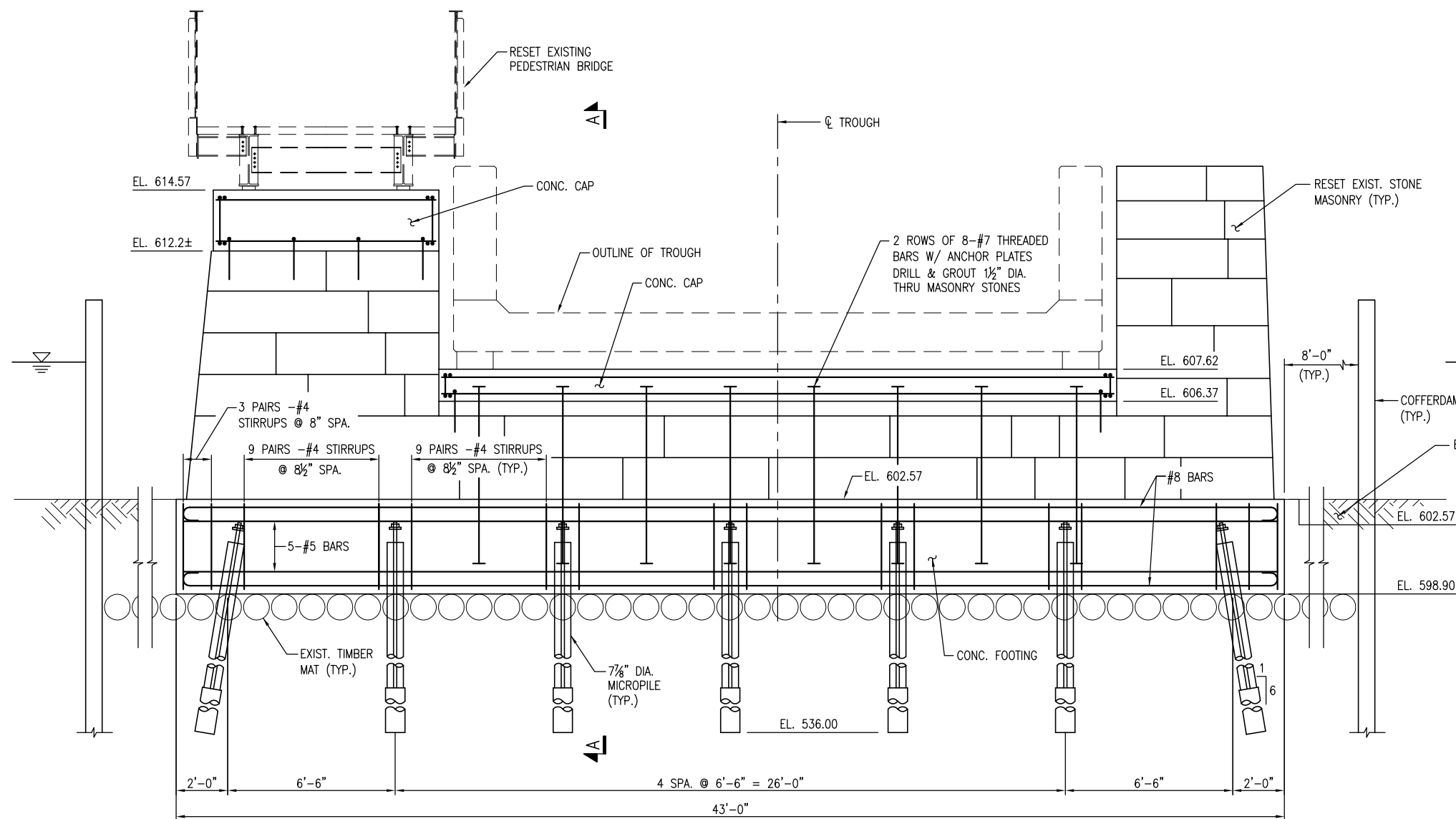


SOUTH ELEVATION

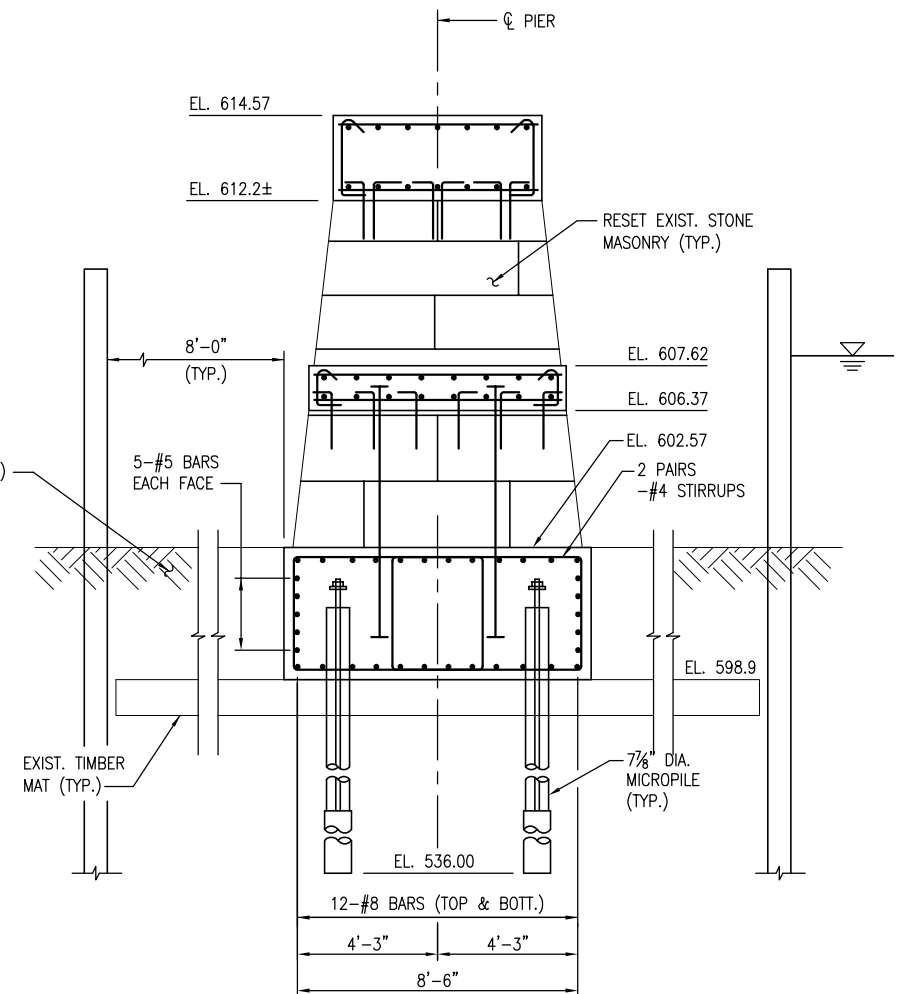
- LEGEND:**
-  AREA OF STONE TO BE REMOVED AND SALVAGED
 -  REMOVE AND DISPOSE OF MATERIAL

PRELIMINARY

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	DRAWN: ALA		ABUTMENT REPAIRS		XX	
	TECH REVIEW: KRA				CUYAHOGA VALLEY NATIONAL PARK TINKERS CREEK REPLACEMENT/REHABILITATION - PHASE 2	
	DATE: APRIL 2009		CUYAHOGA VALLEY NATIONAL PARK		PKG. NO. — — —	SHEET 8



ELEVATION



SECTION A-A

PRELIMINARY



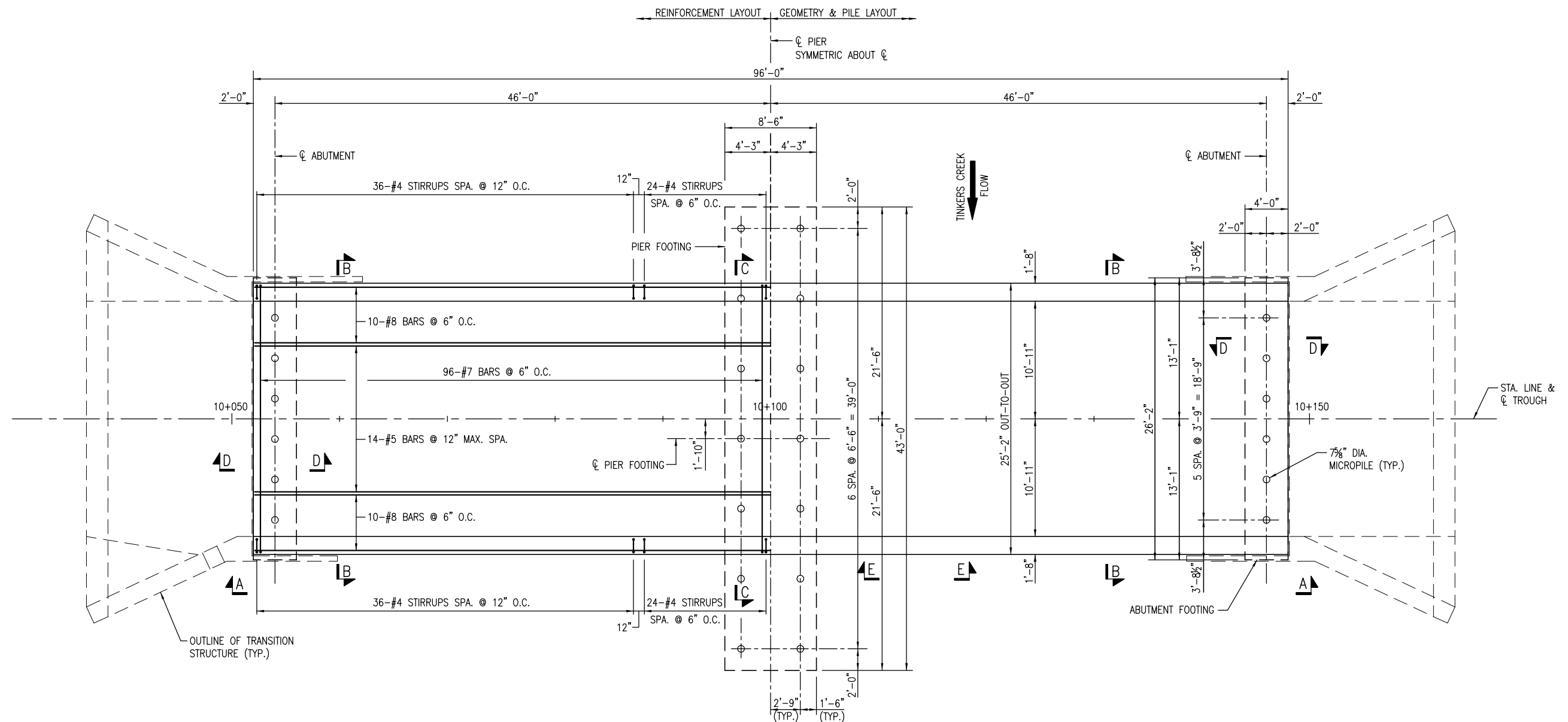
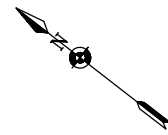
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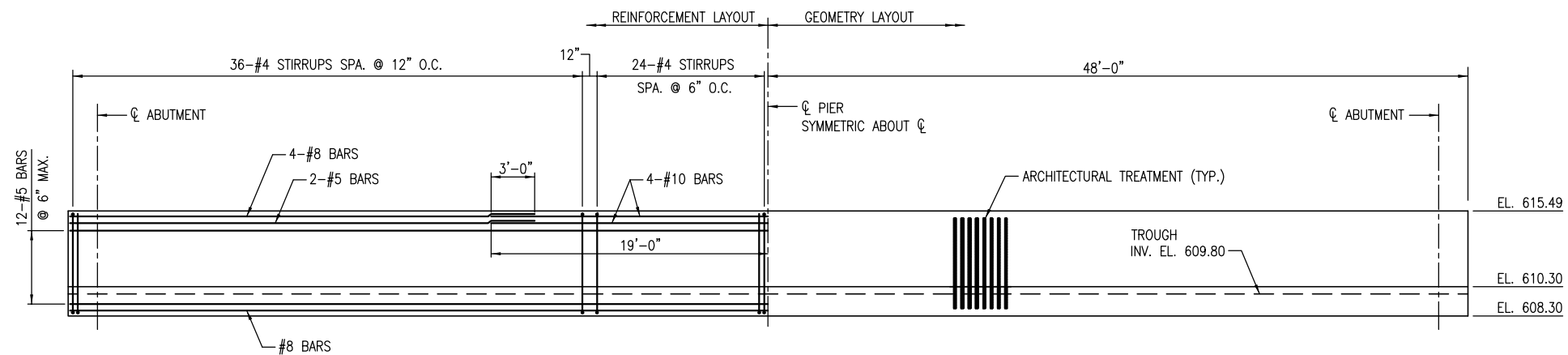
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CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

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OF 22

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GENERAL PLAN



ELEVATION A-A

PRELIMINARY

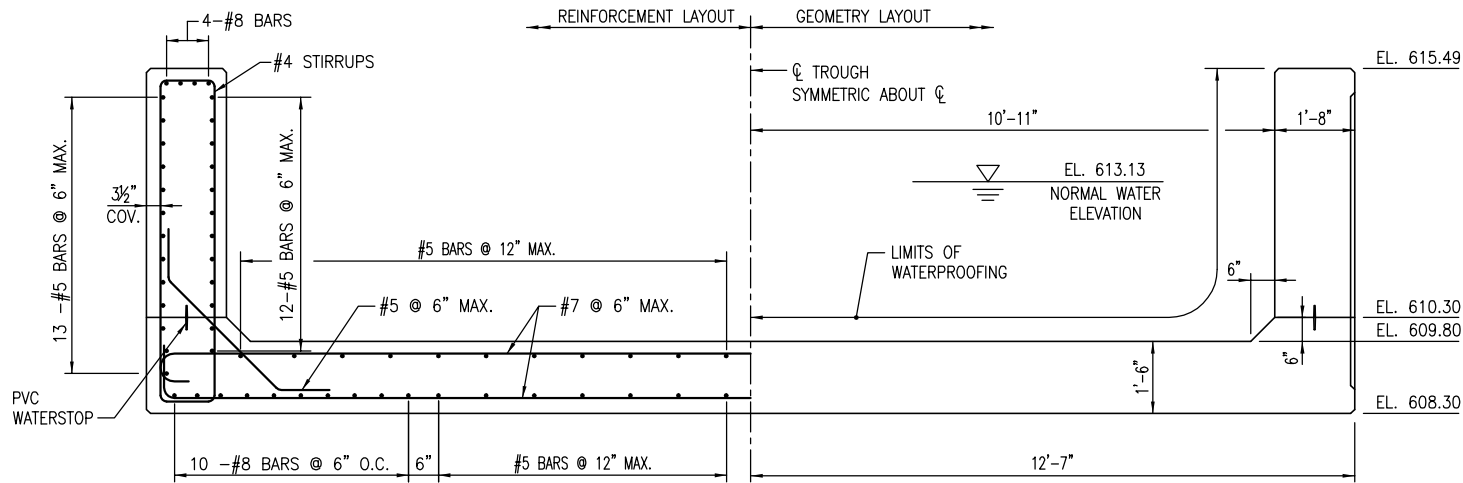


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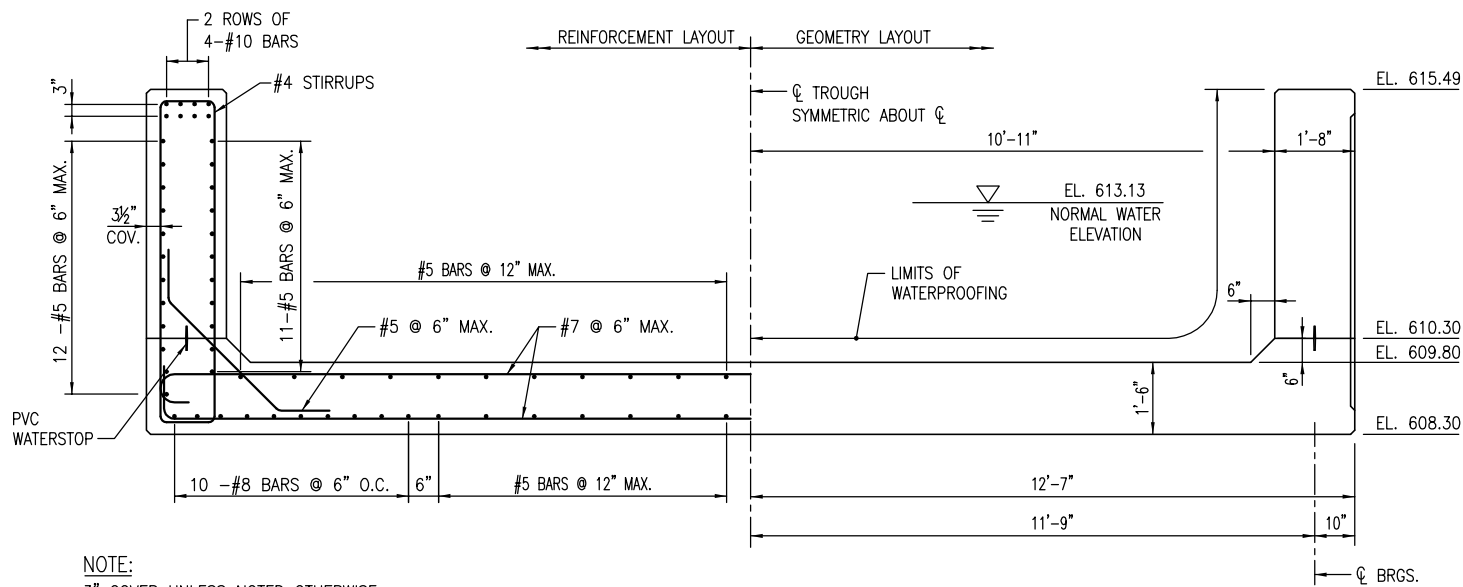
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CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

DRAWING NO.
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OF 22



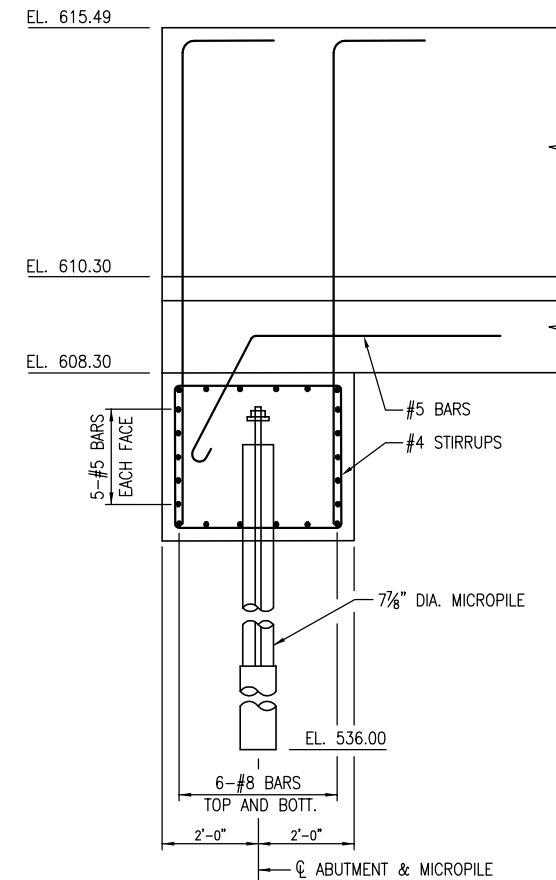
NOTE:
3" COVER UNLESS NOTED OTHERWISE.

SECTION B-B

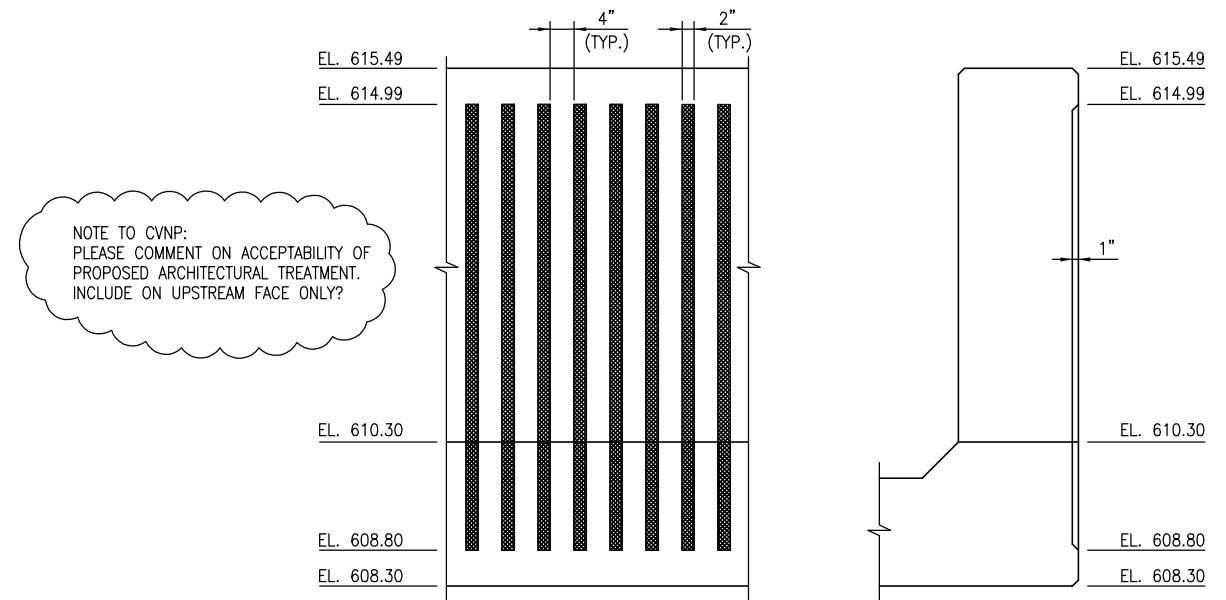


NOTE:
3" COVER UNLESS NOTED OTHERWISE.

SECTION C-C @ PIER



SECTION D-D



PRELIMINARY

SECTION E-E
ARCHITECTURAL TREATMENT
(UPSTREAM FACE ONLY)

LEGEND:
1" DEEP FORMLINER



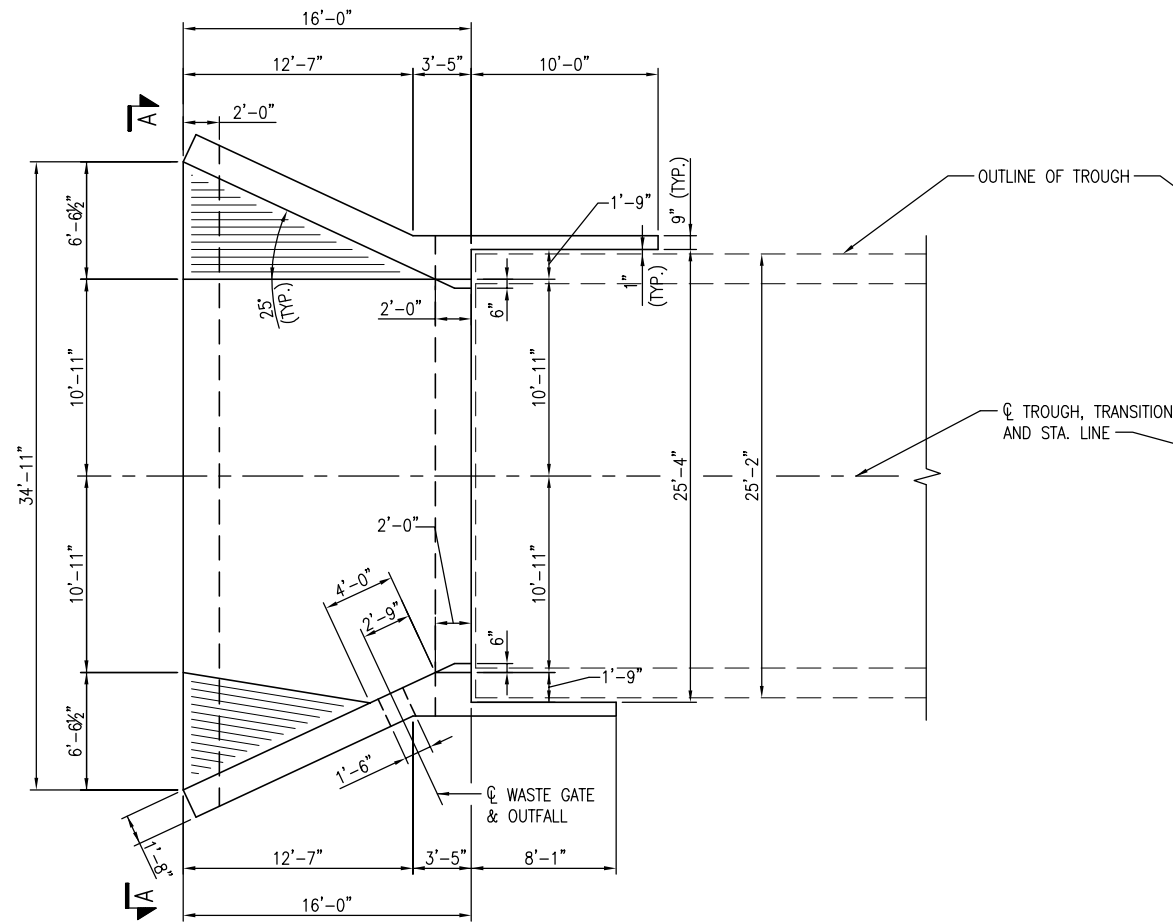
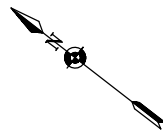
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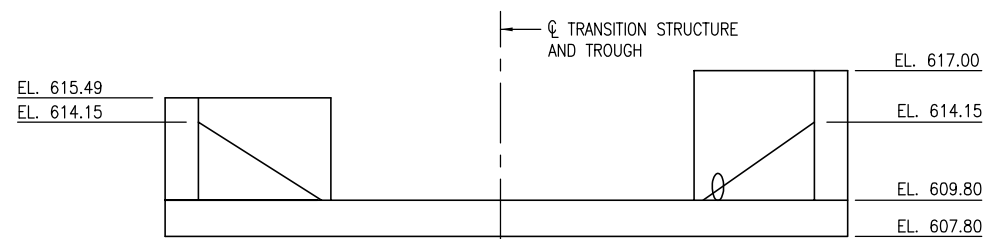


TITLE OF SHEET
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CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

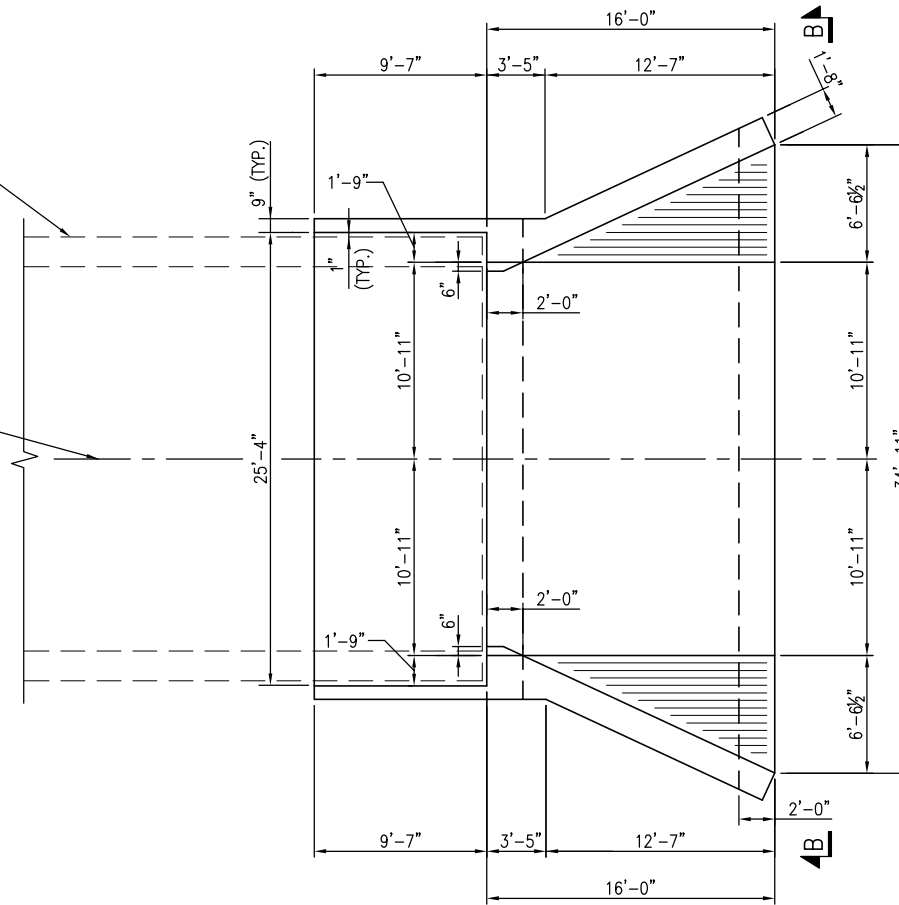
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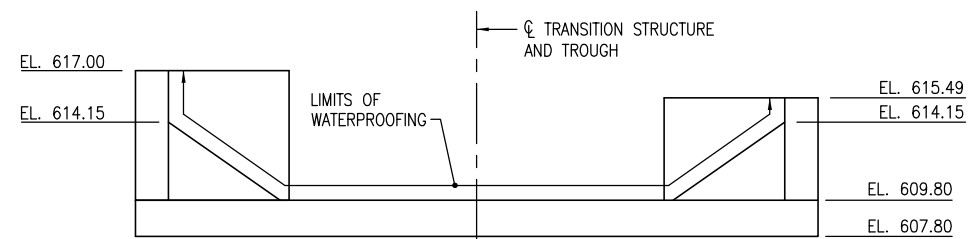
NORTH TRANSITION STRUCTURE



SECTION A-A



SOUTH TRANSITION STRUCTURE



SECTION B-B

PRELIMINARY

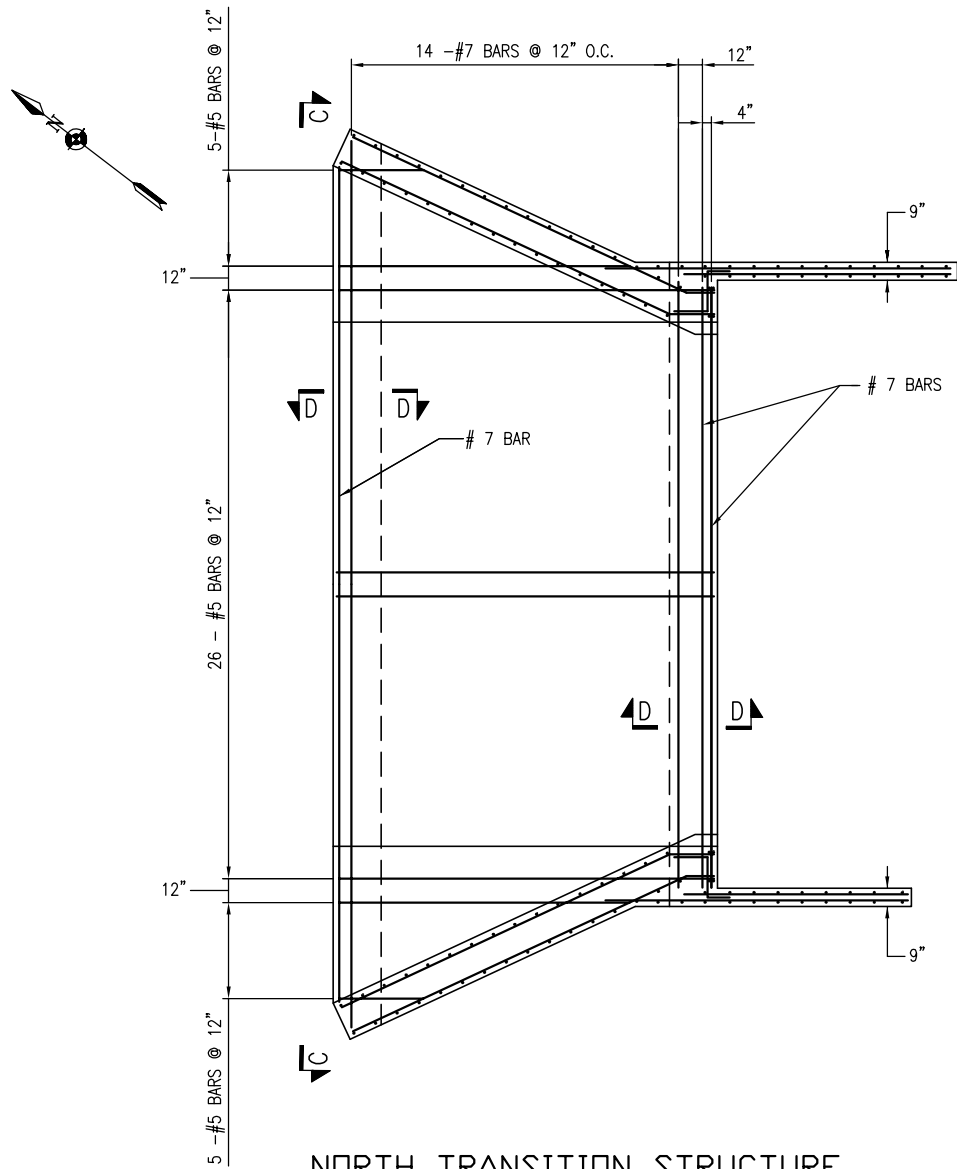


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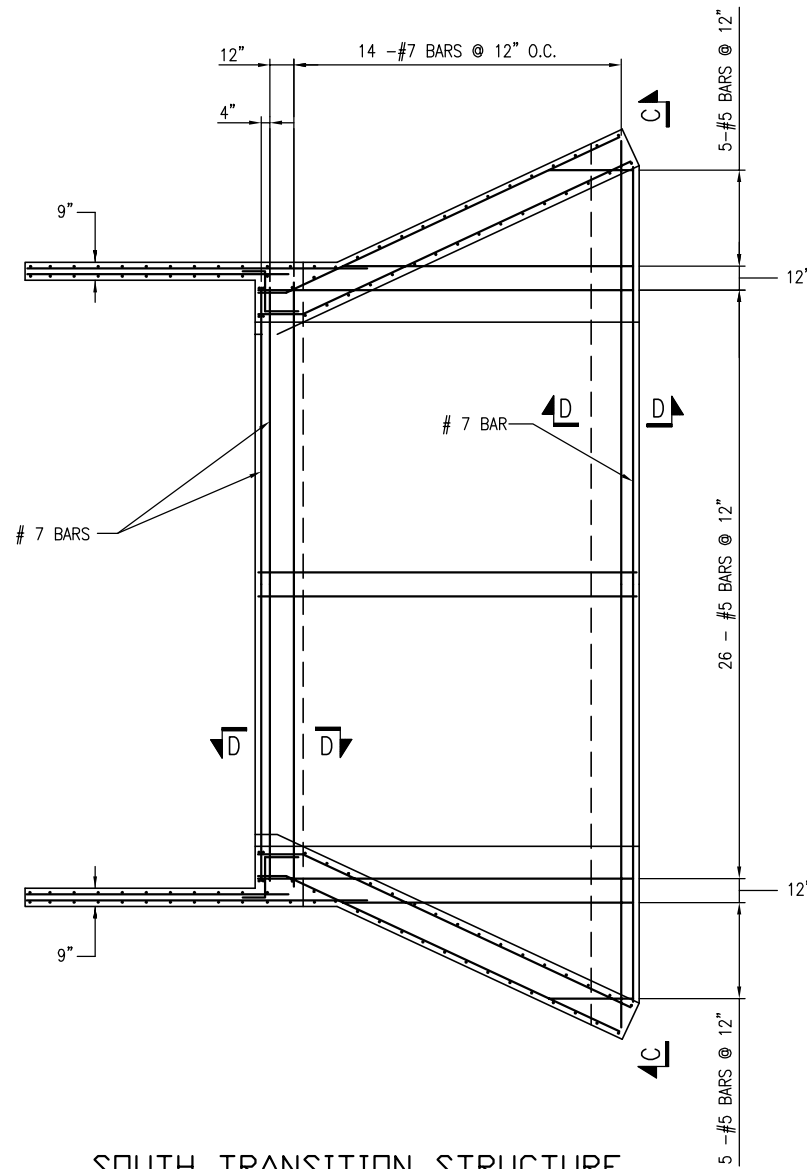


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CUYAHOGA VALLEY NATIONAL PARK	TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2	
CUYAHOGA VALLEY NATIONAL PARK	

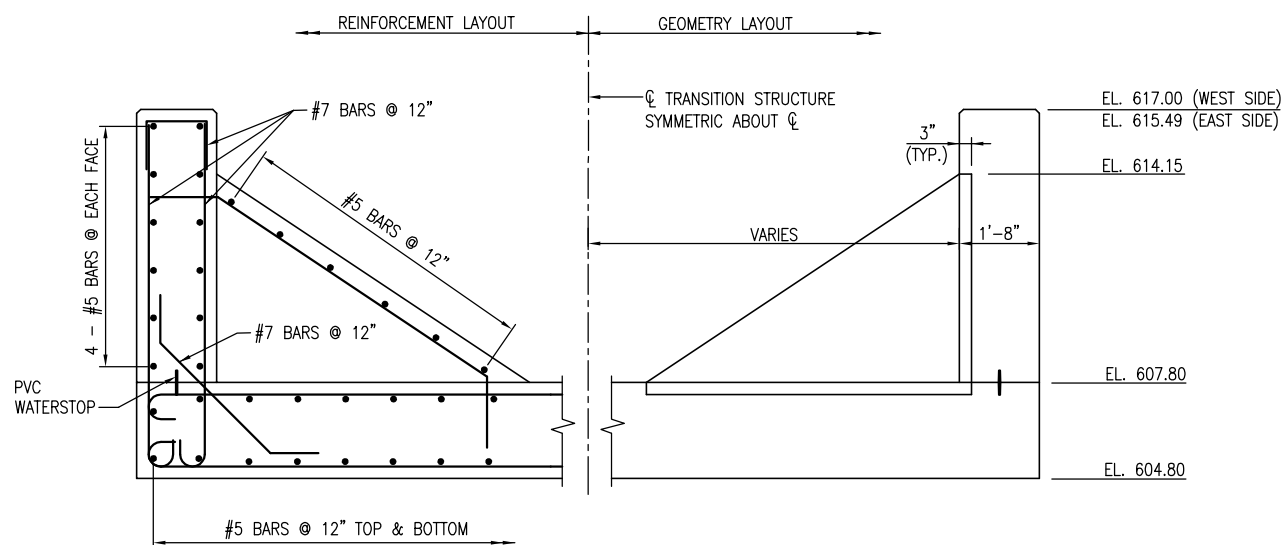
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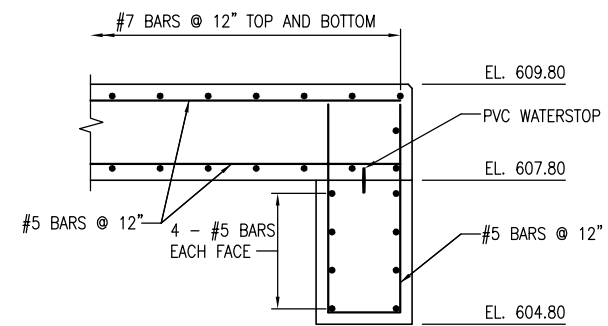
NORTH TRANSITION STRUCTURE



SOUTH TRANSITION STRUCTURE



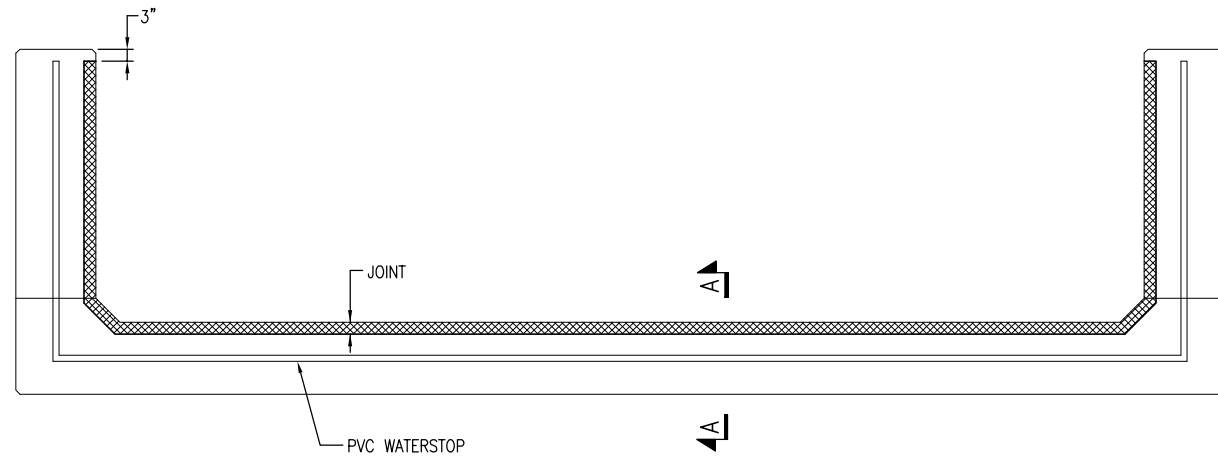
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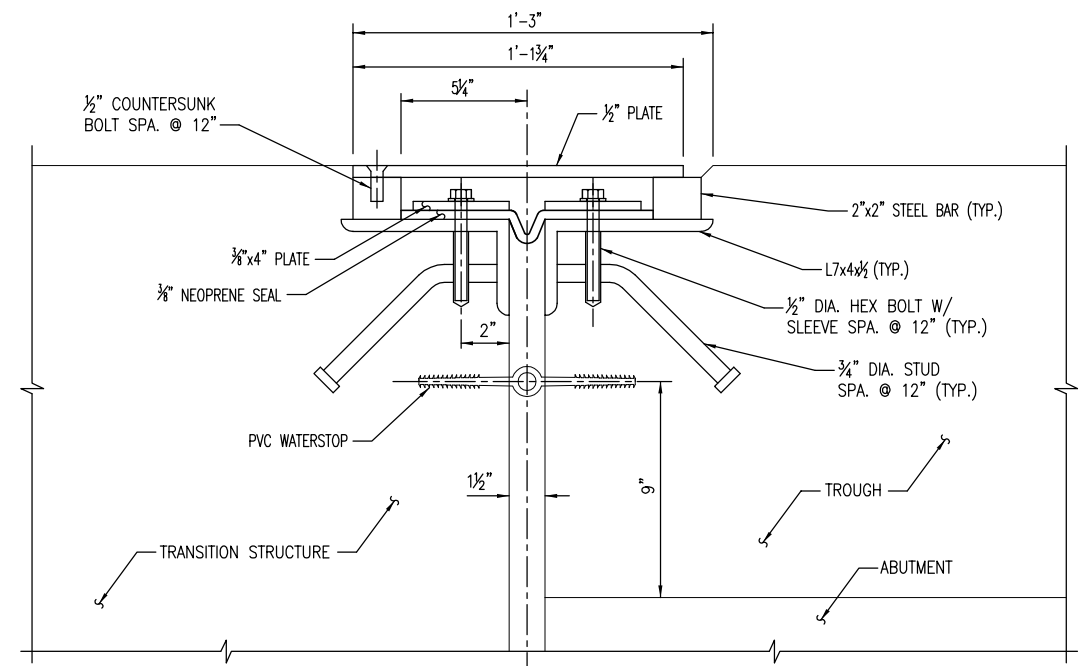
SECTION D-D

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	DRAWN: ALA			
	TECH REVIEW: KRA			
	DATE: APRIL 2009			
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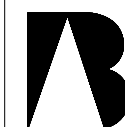


TROUGH SECTION



SECTION A-A

PRELIMINARY



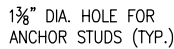
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TITLE OF SHEET
JOINT DETAILS
CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

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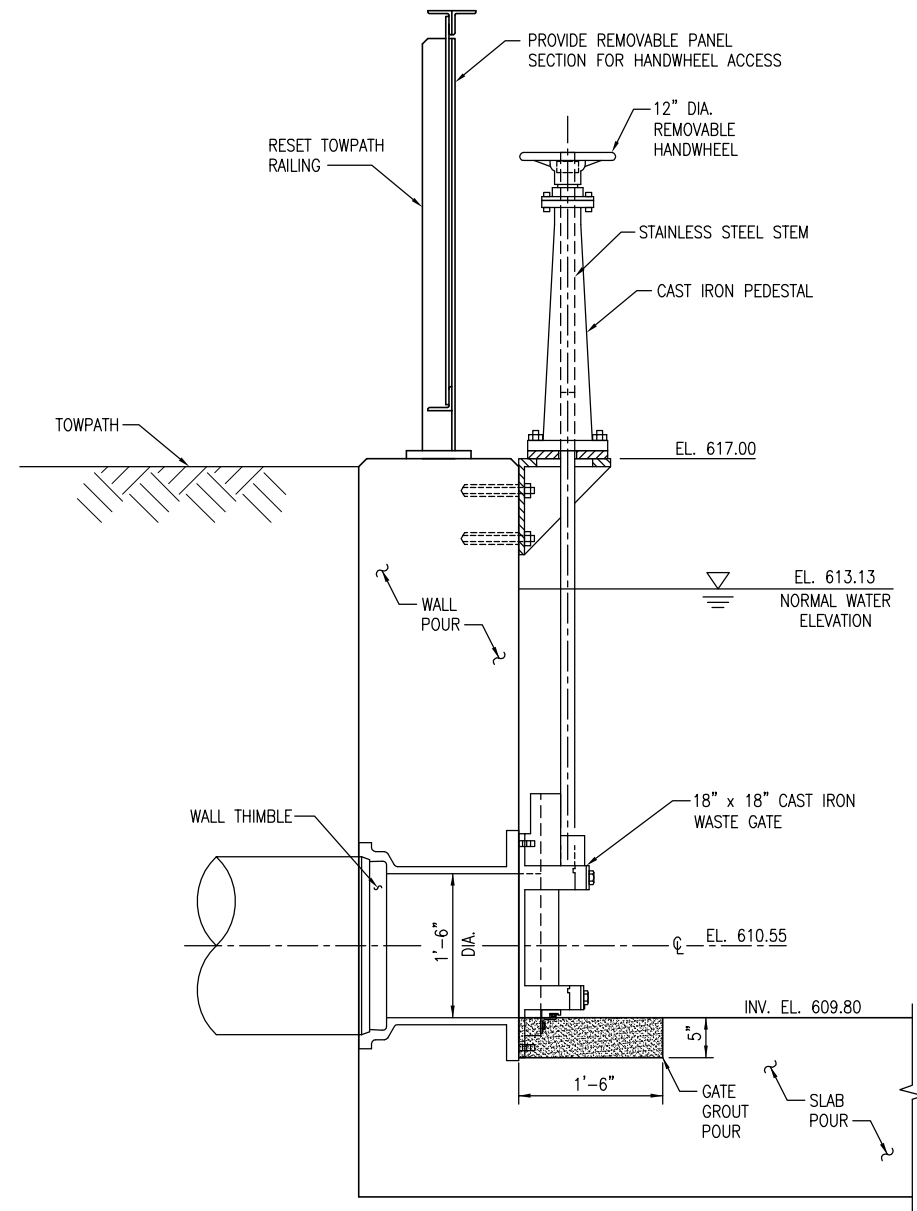
**A**

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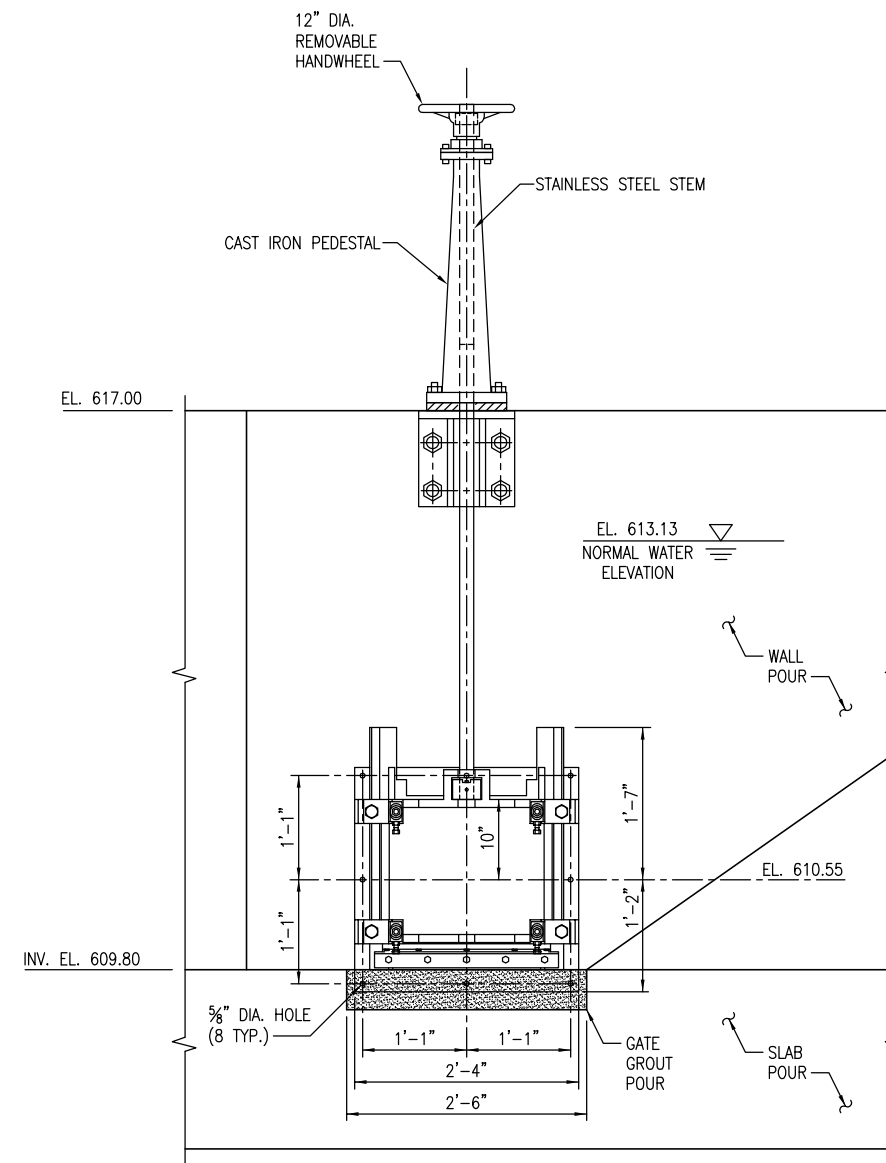
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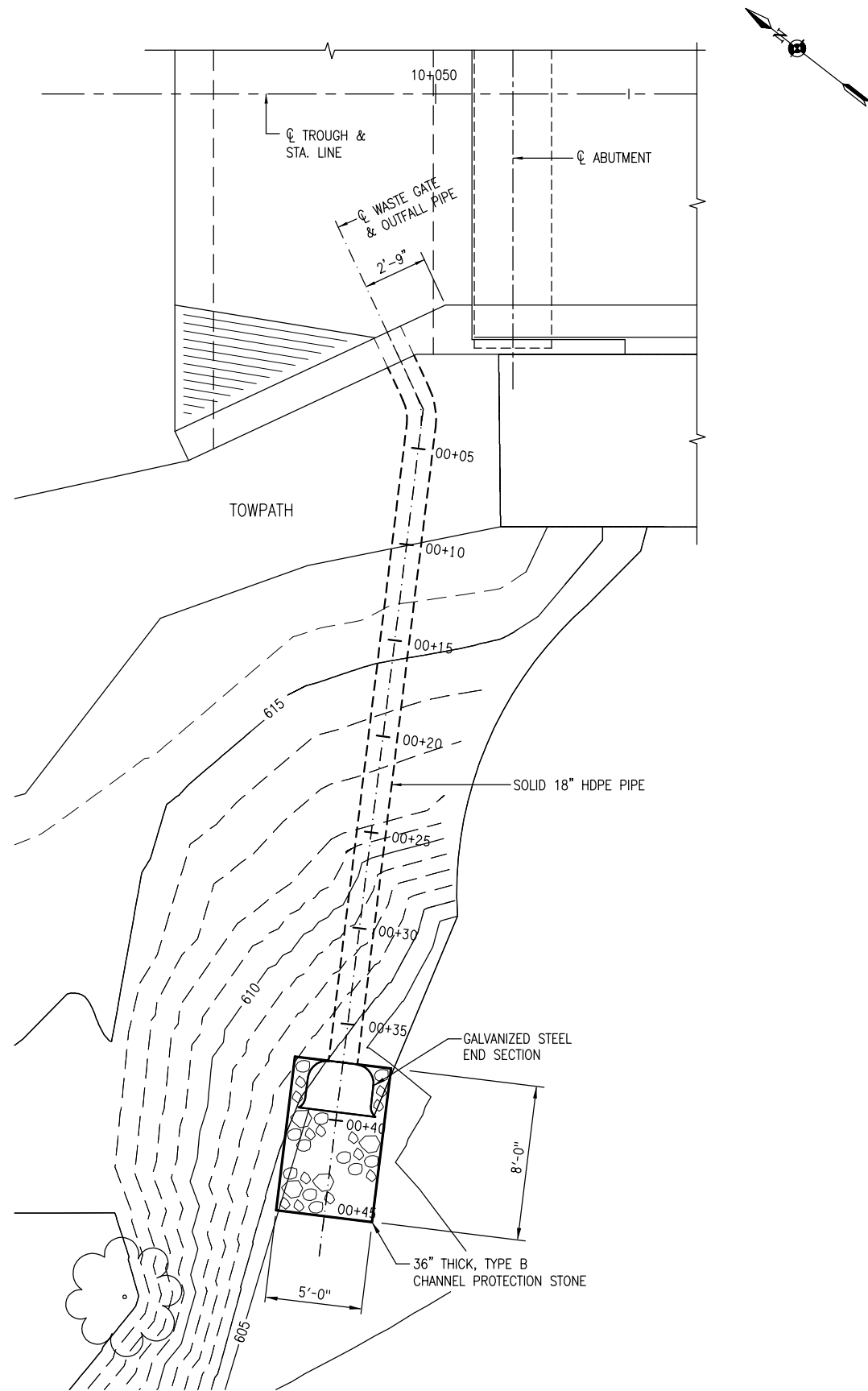
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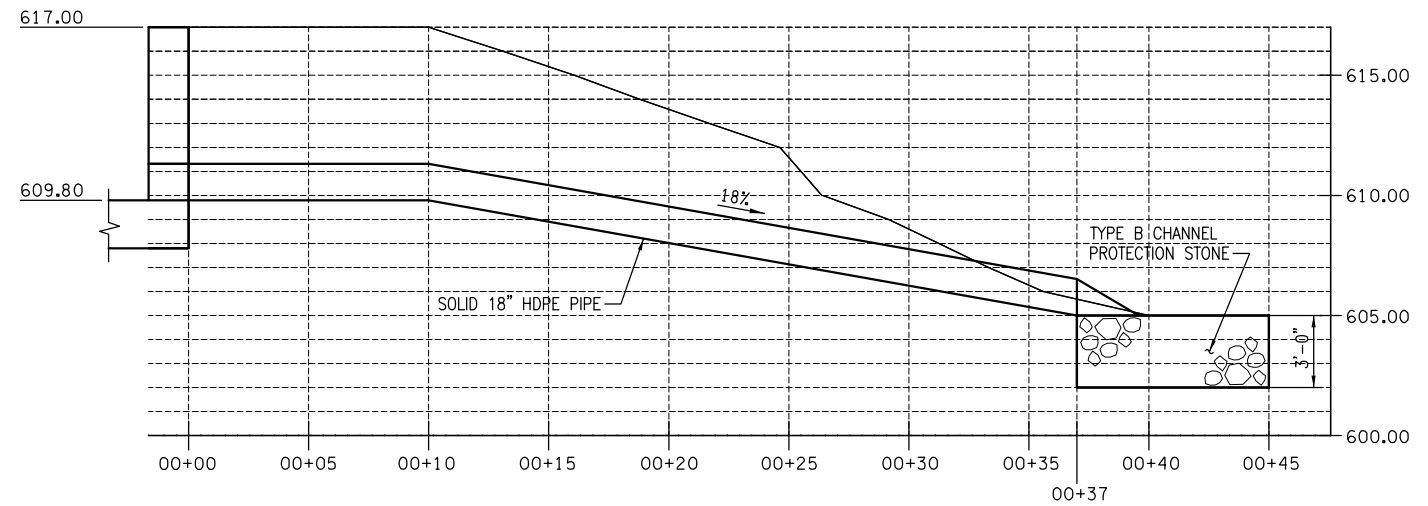
ELEVATION

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	TECH REVIEW: KRA					
	DATE: APRIL 2009		CUYAHOGA VALLEY NATIONAL PARK TINKERS CREEK REPLACEMENT/REHABILITATION - PHASE 2			
			CUYAHOGA VALLEY NATIONAL PARK			



PLAN



PROFILE

PRELIMINARY



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TITLE OF SHEET
WASTE GATE OUTFALL
CUYAHOGA VALLEY NATIONAL PARK
TINKERS CREEK
REPLACEMENT/REHABILITATION - PHASE 2
CUYAHOGA VALLEY NATIONAL PARK

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