






		ARCHITECT/ENGINEER:				Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
						PHASING PLAN-PHASE 2A		IMPROVED TRAFFIC FLOW - ENGINEERING DESIGN		562-12-107			
										Building Number			
										N/A			
										Drawing Number			
UPDATE FOR CONSTRUCTION		05/16/2016	Civil			Transportation	Survey			C-610		 Department of Veterans Affairs	
UPDATE FOR CONSTRUCTION		10/21/2015	Kimley-Horn and Associates, Inc.			Traffic Analysis & Design, Inc.	Rabell Surveying & Engineering			Dwg. 21 of 32			
UPDATE FOR CONSTRUCTION		09/15/2015	 Kimley»Horn 11400 Commerce Park Drive Suite 400 Reston, VA 20191 Phone: (703) 674-1300 Fax: (703) 674-1350			 TADI N36 W7505 Buchanan Court Cedarburg, WI 53012 Phone: (262) 377-1845	 RABELL Surveying & Engineering, LLC 10560 Walnut Street Albion, Pennsylvania 16401 Phone: (814) 756-4384 Fax: (814) 756-5638						
REV PER PENNDOT COMMENTS		07/17/2015											
REV PER PENNDOT COMMENTS		02/13/2015											
REV PER PENNDOT COMMENTS		08/19/2014											
REV PER PENNDOT COMMENTS		05/21/2014						Location					
Revisions:		Date						ERIE, PA					
								Date	Checked	Drawn			
								10/21/2015	SW	KB			

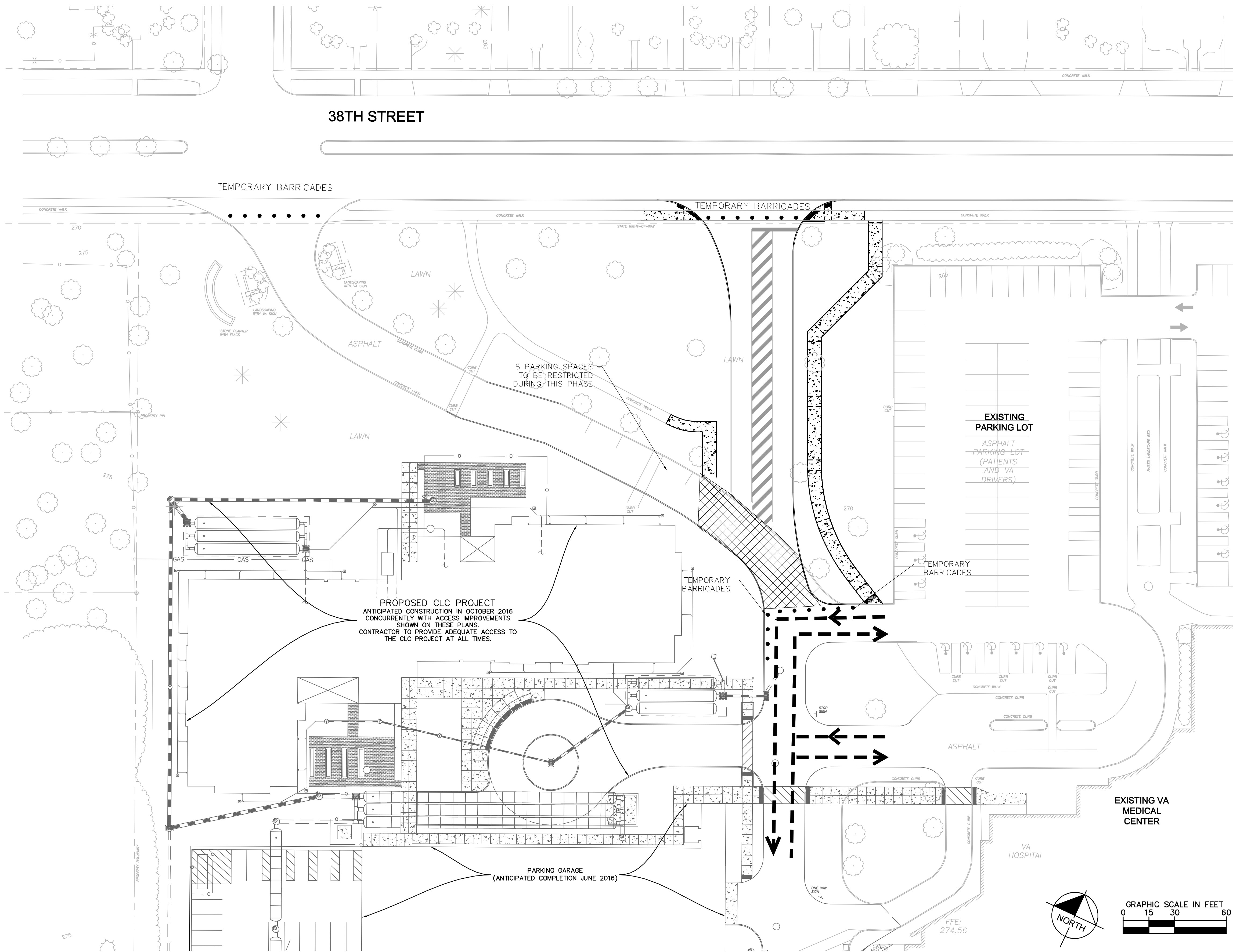
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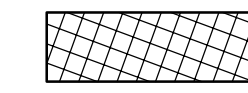
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LEGEND



WORK AREA
LONGITUDINAL CHANNELIZING DEVICES
DIRECTION OF VEHICULAR FLOW DURING CONSTRUCTION

SEQUENCE OF CONSTRUCTION - PHASE 2B:

1. CONTRACTOR SHALL ONLY COMPLETE PHASE 2B AS WEEKEND WORK FROM FRIDAY AT 6PM TO MONDAY AT 6AM. WORK TO OCCUR OVER THREE (3) WEEKENDS. AFTER INITIAL WEEKEND, TRAFFIC FLOW TO FOLLOW PHASE 3 REQUIREMENTS DURING WEEKDAYS AND REVERT BACK TO PHASE 2B ON REMAINING WEEKENDS. CONTRACTOR TO PROVIDE NECESSARY TRANSITIONS TO ALLOW TRAFFIC FLOW TO OCCUR WITHIN WORK AREA.
2. BEGIN WITH PAVEMENT REMOVAL AND FULL DEPTH REPLACEMENT CONSTRUCTION.
3. FINISH SURFACE COURSE PAVEMENT SIGNING/STRIPING AND RESTORATION AS SHOWN ON THESE PLANS.
4. COMPLETE REMAINING CURB AND SIDEWALK INSTALLATION FOR PHASE 2B AND PROCEED TO PHASE 3.
5. 8 PARKING SPACES RESTRICTED DURING THIS PHASE

NOTE:
CONTRACTOR TO MAINTAIN ADEQUATE
ACCESS TO CLC PROJECT SITE AT ALL
TIMES THROUGHOUT CONSTRUCTION





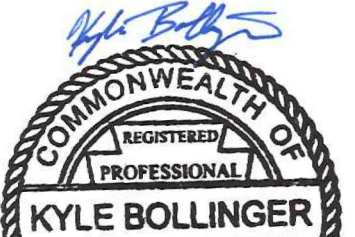

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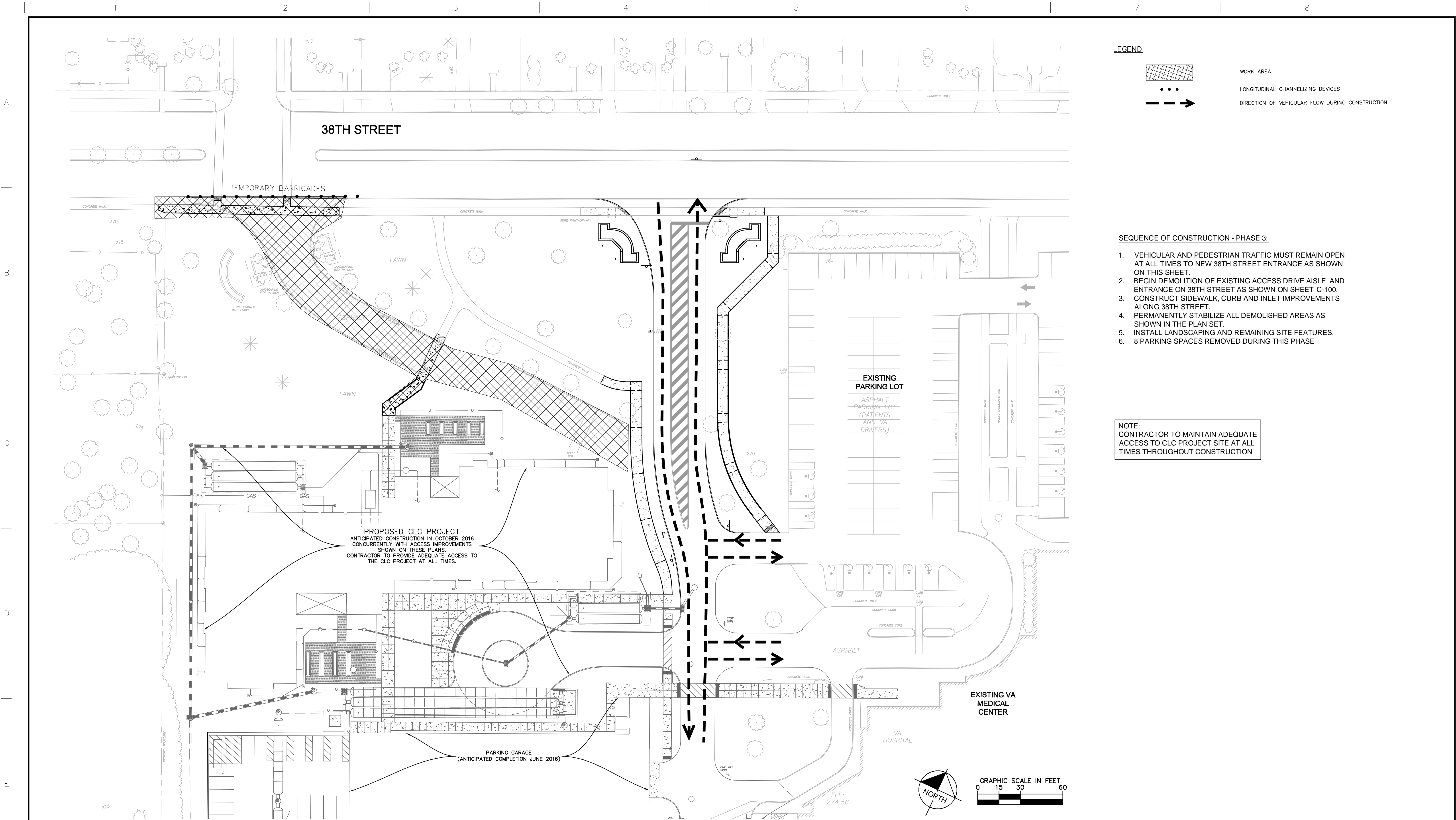
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		ARCHITECT/ENGINEER:				Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
UPDATE FOR CONSTRUCTION		05/16/2016		<u>Civil</u>		<u>Transportation</u>		<u>Survey</u>		562-12-107			
UPDATE FOR CONSTRUCTION		10/21/2015				Kimley-Horn and Associates, Inc.		Traffic Analysis & Design, Inc.		Building Number			
UPDATE FOR CONSTRUCTION		09/15/2015				Rabell Surveying & Engineering		N/A					
REV PER PENNDOT COMMENTS		07/17/2015				11400 Commerce Park Drive Suite 400 Reston, VA 20191 Phone: (703) 674-1300 Fax: (703) 674-1350		10560 Walnut Street Albion, Pennsylvania 16401 Phone: (814) 756-4384 Fax: (814) 756-5638		Drawing Number			
REV PER PENNDOT COMMENTS		02/13/2015								C-620		 Department of Veterans Affairs	
REV PER PENNDOT COMMENTS		08/19/2014						Location		Dwg. 22 of 32			
REV PER PENNDOT COMMENTS		05/21/2014						ERIE, PA					
Revisions:		Date						Date		Checked		Drawn	
								10/2/2015		SW		KB	




LEGEND



WORK AREA



LONGITUDINAL CHANNELIZING DEVICES

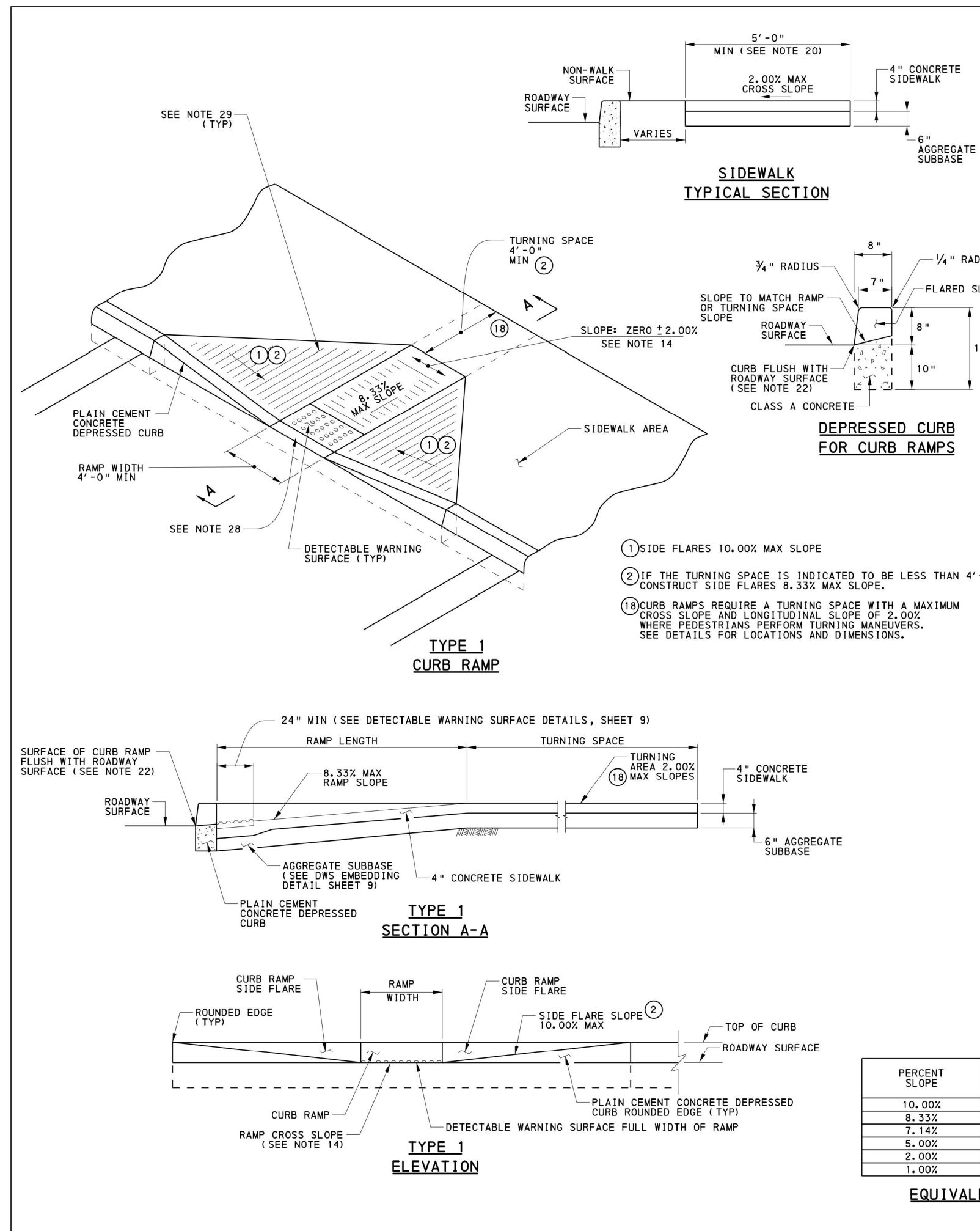


DIRECTION OF VEHICULAR FLOW DURING CONSTRUCTION

- SEQUENCE OF CONSTRUCTION - PHASE 3:**
1. VEHICULAR AND PEDESTRIAN TRAFFIC MUST REMAIN OPEN AT ALL TIMES TO NEW 38TH STREET ENTRANCE AS SHOWN ON THIS SHEET.
 2. BEGIN DEMOLITION OF EXISTING ACCESS DRIVE AISLE AND ENTRANCE ON 38TH STREET AS SHOWN ON SHEET C-100.
 3. CONSTRUCT SIDEWALK, CURB AND INLET IMPROVEMENTS ALONG 38TH STREET.
 4. PERMANENTLY STABILIZE ALL DEMOLISHED AREAS AS SHOWN IN THE PLAN SET.
 5. INSTALL LANDSCAPING AND REMAINING SITE FEATURES.
 6. 8 PARKING SPACES REMOVED DURING THIS PHASE

NOTE:
CONTRACTOR TO MAINTAIN ADEQUATE ACCESS TO CLC PROJECT SITE AT ALL TIMES THROUGHOUT CONSTRUCTION

<div>UPDATE FOR CONSTRUCTION05/16/2016</div> <div>UPDATE FOR CONSTRUCTION10/21/2015</div> <div>UPDATE FOR CONSTRUCTION09/15/2015</div> <div>REV PER PENNDOT COMMENTS07/17/2015</div> <div>REV PER PENNDOT COMMENTS02/13/2015</div> <div>REV PER PENNDOT COMMENTS08/19/2014</div> <div>REV PER PENNDOT COMMENTS05/21/2014</div> <div>RevisionsDate</div>		<div>ARCHITECT/ENGINEER:</div> <div><div><div></div><div><div>Civil</div><div>Kimley-Horn and Associates, Inc.</div><div>11400 Commerce Park Drive Suite 400 Reston, VA 20191 Phone: (703) 674-1300 Fax: (703) 674-1350</div></div><div><div></div><div><div>Transportation</div><div>Traffic Analysis & Design, Inc.</div><div>N36 W7505 Buchanan Court Cedarburg, WI 53012 Phone: (262) 377-1845</div></div><div><div></div><div><div>Survey</div><div>Rabell Surveying & Engineering</div><div>10560 Walnut Street Albion, Pennsylvania 16401 Phone: (814) 756-4384 Fax: (814) 756-5638</div></div></div></div><div><div></div><div><div>Drawing Title</div><div>PHASING PLAN-PHASE 3</div></div></div></div></div>	<div><div>Project Title</div><div>IMPROVED TRAFFIC FLOW - ENGINEERING DESIGN</div></div> <div><div>Location</div><div>ERIE, PA</div></div> <div><div>Date</div><div>10/21/2015</div></div> <div><div>Checked</div><div>SW</div></div> <div><div>Drawn</div><div>KB</div></div>	<div><div>Project Number</div><div>562-12-107</div></div> <div><div>Building Number</div><div>N/A</div></div> <div><div>Drawing Number</div><div>C-630</div></div> <div><div>Dwg</div><div>23 of 32</div></div>	<div>Office of Construction and Facilities Management</div> <div></div>
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- NOTES**
1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTIONS 350, 409, 430, 476, 494, AND 500.
 2. PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
 3. CONSTRUCT CURB RAMPS WITH A MINIMUM 4'-0" X 4'-0" CLEAR SPACE BEYOND THE CURB FACE, WITHIN THE TURNING SPACE, TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
 4. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
 5. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROWNING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING SIDE FLARES.
 6. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 8" HEIGHT.
 7. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
 8. TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 10'-0". ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
 9. NON-WALK AREA IS AN OBSTRUCTED OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.
 10. THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS FOR ALTERATION PROJECTS. PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE. INSTALL PEDESTRIAN PUSHBUTTON STUB POLES, WHERE APPLICABLE, SO AS NOT TO CREATE PEDESTRIAN OBSTRUCTIONS.
 11. SEE TC-8803 FOR ADDITIONAL PEDESTRIAN PUSHBUTTON DETAILS NOT SHOWN.
 12. ALIGN DETECTABLE WARNING SURFACE TRUNCATED EDGES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB. SEE SHEET 9 FOR INSTALLATIONS ALONG CURVED SURFACES.
 13. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
 14. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESS ROUTE.
 15. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE ELIEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED IN THE DETAILS, OR CONTRACT DOCUMENTS AS APPLICABLE, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
 16. CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00% FOR ROADWAY PROFILE SLOPES NOT TO EXCEED ROADWAY PROFILE SLOPES. SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00%.
 17. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 1/8" IN THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF THE CURB RAMP. TURNING SPACE ON BLENDED TRANSITION IS NOT TO EXCEED 5'-0". SEE SHEET 8 FOR DETAILS.
 18. THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
 19. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT RAMP LENGTH, BUT THE HORIZONTAL DISTANCE. FOR EXAMPLE, A 5' CURB DOES NOT NECESSARILY MEAN A 5' CURB. RAMP TURNING SPACE ON BLENDED TRANSITION IS NOT TO EXCEED 5'-0". SEE SHEET 8 FOR DETAILS.
 20. SIDEWALK WIDTH MAY BE REDUCED TO 4'-0", WHEN PASSING AREAS 5'-0" X 5'-0" ARE PROVIDED EVERY 200'.
 21. THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVED MARKING LINE. IF A WHITE PAVED MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.
 22. CONSTRUCT DEPRESSED CURB FOR CURB RAMPS, FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT POOLING. FOR LEVEL TURNING SPACES, BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE. AT THE JUNCTION OF CURB RAMP AND SIDEWALK, REMOVE EXCESS JOINT SEALER AND COVER THE SEALED AREA WITH A LIGHT APPLICATION OF DRY SAND.
 23. CURB WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED BY FLARES OR GRADING. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 OR FLATTER. DO NOT INSTALL CURB WALLS THAT INTERFERE WITH THE PEDESTRIAN PATH.
 24. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
 25. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) IS TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.
 26. A 4'-0" MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMPS AND SIDEWALKS.
 27. INSTALL DUMMY JOINTS WHERE RAMPS, TURNING SPACES, FLARES, AND SIDEWALKS ABUT.
 28. CONSTRUCT DEPRESSED CURB TO MATCH ROADWAY PROFILE AND HAVE A FLUSH CONNECTION. DO NOT EXCEED 1/8" CURB RAMP CROSS SLOPE. CHASE WHEN TRAVELING TO ROADWAY PROFILE.
 29. DO NOT SCORE OR MAKE GROOVES ON SLOPED SURFACES. LINES SHOWN ON DETAILS ARE FOR ILLUSTRATION ONLY. SEE NOTE 9.

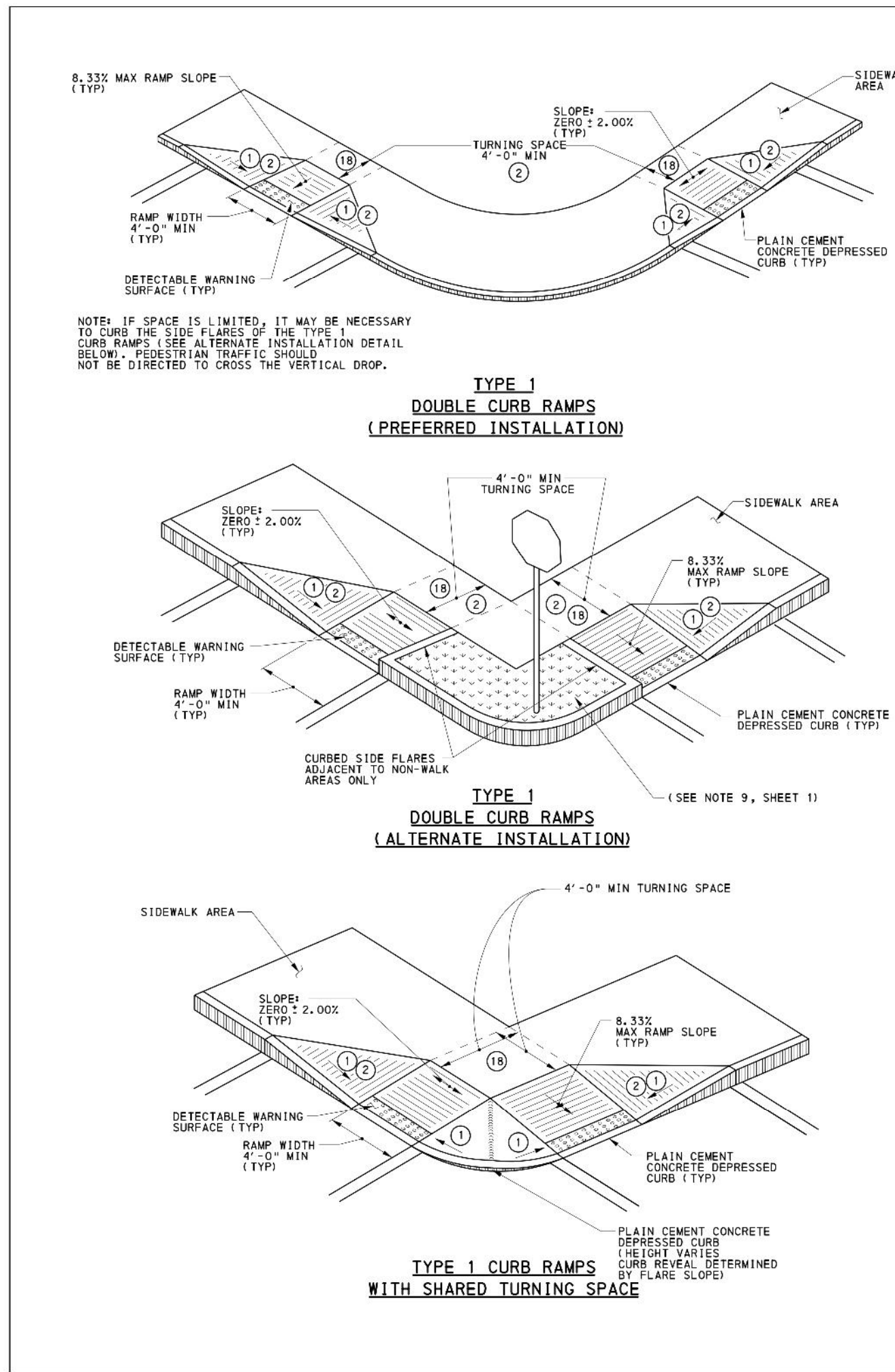
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY

**CURB RAMPS AND SIDEWALKS
NEW CONSTRUCTION OR
ALTERATION DETAILS
TYPE 1 CURB RAMPS AND
TYPICAL SECTIONS**

RECOMMENDED JUN. 10, 2013
CHIEF, BUREAU OF PROJECT DELIVERY

RECOMMENDED JUN. 10, 2013
ACTING CHIEF, BUREAU OF PROJECT DELIVERY

SHT. 1 OF 14
RC-67M



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY**

CURB RAMPS AND SIDEWALKS

**NEW CONSTRUCTION OR
ALTERATION DETAILS
TYPE 1 AND TYPE 1A CURB RAMPS**

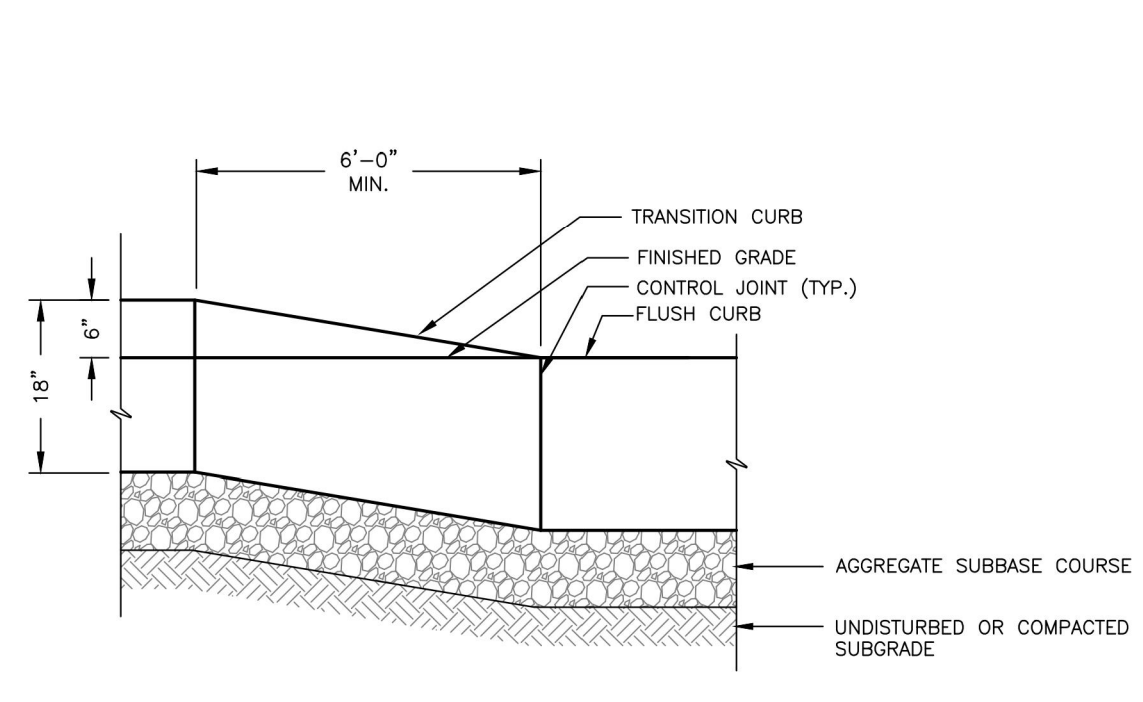
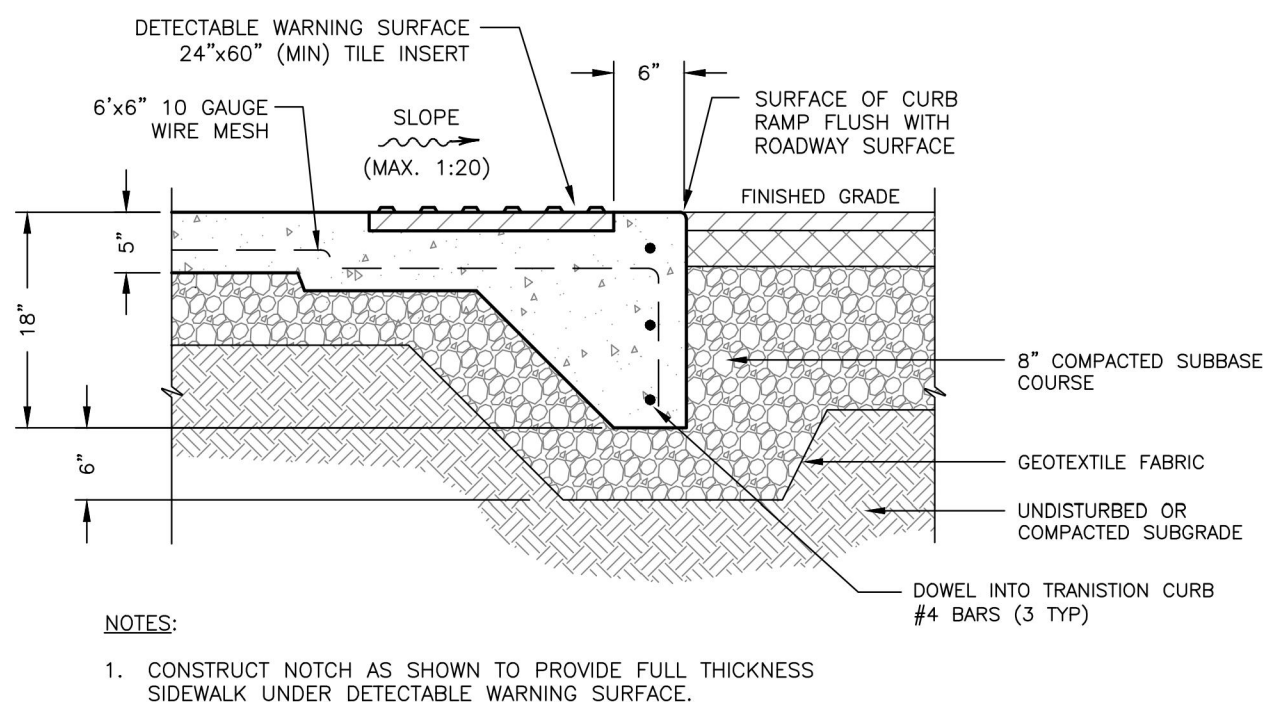
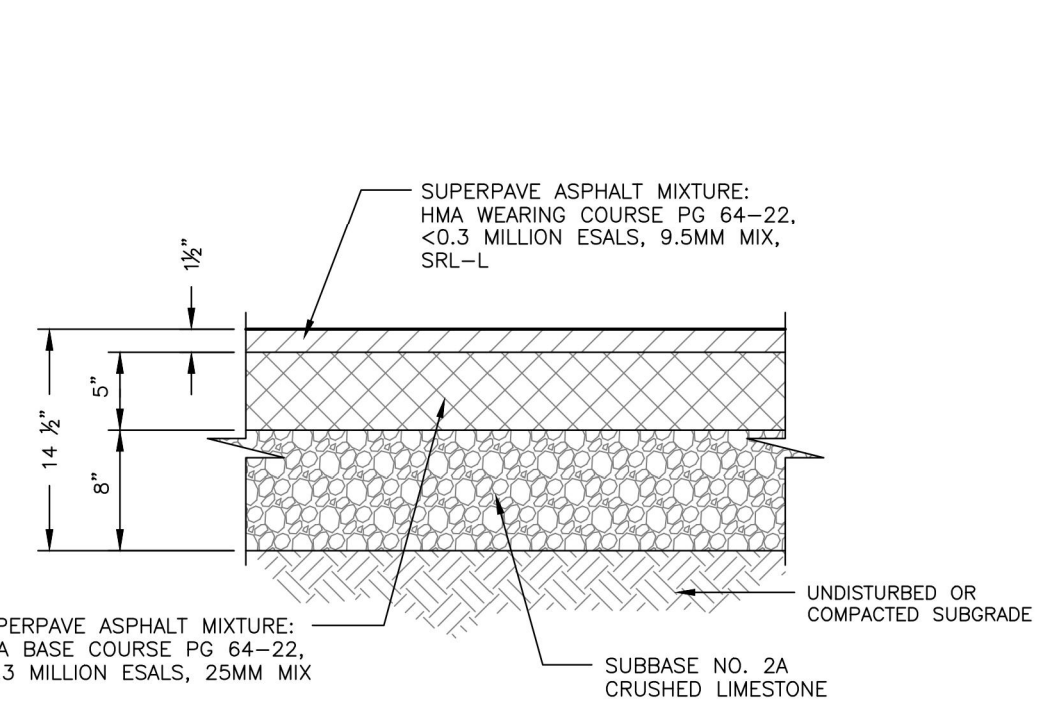
RECOMMENDED JUN. 10, 2013
CHIEF, BUREAU OF PROJECT DELIVERY

RECOMMENDED JUN. 10, 2013
ACTING CHIEF, BUREAU OF PROJECT DELIVERY

SHT. 2 OF 14
RC-67M

NOTES:

1. SIDE FLARES 10.00% MAX SLOPE.
2. IF THE TURNING SPACE IS INDICATED TO BE LESS THAN 4'-0", CONSTRUCT SIDE FLARES 8.33% MAX SLOPE.
3. OPTIONAL ROLLED CONCRETE SURFACE OR REGRADE SLOPE CAN BE USED TO MEET THE ADJACENT SURFACES IN LIEU OF A RETURN CURB CHEEK WALL.
4. 8.33% MAX RAMP SLOPE. SEE NOTE 9 SHEET 1.
5. CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS FORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.



- NOTES:**
1. SEE SHEETS E-100 AND E-110 FOR ADDITIONAL INFORMATION ABOUT LIGHTING.
 2. ALL PROPOSED CURB ON THE VA PROPERTY TO BE PAINTED RED FOR NO PARKING

UPDATE FOR CONSTRUCTION	05/16/2016
UPDATE FOR CONSTRUCTION	10/21/2015
UPDATE FOR CONSTRUCTION	09/15/2015
REV PER PENNDOT COMMENTS	07/17/2015
REV PER PENNDOT COMMENTS	02/13/2015
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Revisions:	Date

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Drawing Title
CONSTRUCTION DETAILS

Project Title
**IMPROVED TRAFFIC FLOW -
ENGINEERING DESIGN**

Location
ERIE, PA

Date
10/21/2015

Checked
SW

Drawn
KB

Project Number
562-12-107

Building Number
N/A

Drawing Number
C-700

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Office of
**Construction
and Facilities
Management**

