

**ADDENDUM
NO. 2B**

April 4, 2024

**TRI-CREEK SCHOOL CORPORATION - HOLTZ ROAD
IMPROVEMENTS
Lowell, IN 46356**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 19, 2024 by Torrenga Engineering. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 2B-1 which is being re-issued to include the attached Addendum No. 2 from Torrenga Engineering dated April 3, 2024, consisting of 1 page and 4 drawings.

Torrenga Engineering, Inc.

REGISTERED PROFESSIONAL ENGINEERS

907 Ridge Road
Munster, IN 46321
Phone 219.836.8918
www.torrenga.com
April 3, 2024
Page 1

PROJECT: <u>Addendum Two</u>	1. Addendum Two Holtz Road Improvements Lowell, Indiana Torrenga Project No.: 2023-5056
CONTRACT NO.:	2023-5056
SPEC SECTION:	
SHEET NO.:	C-2.1, C-2.2, C-2.3, & C-4.0

1. Sheet C-2.1 IMPROVEMENT PLAN

- Milling, Tack Coat and 1.5" Pavement Resurfacing

2. Sheet C-2.2 IMPROVEMENT PLAN

- Milling, Tack Coat and 1.5" Pavement Resurfacing

3. Sheet C-2.3 IMPROVEMENT PLAN

- Milling, Tack Coat and 1.5" Pavement Resurfacing

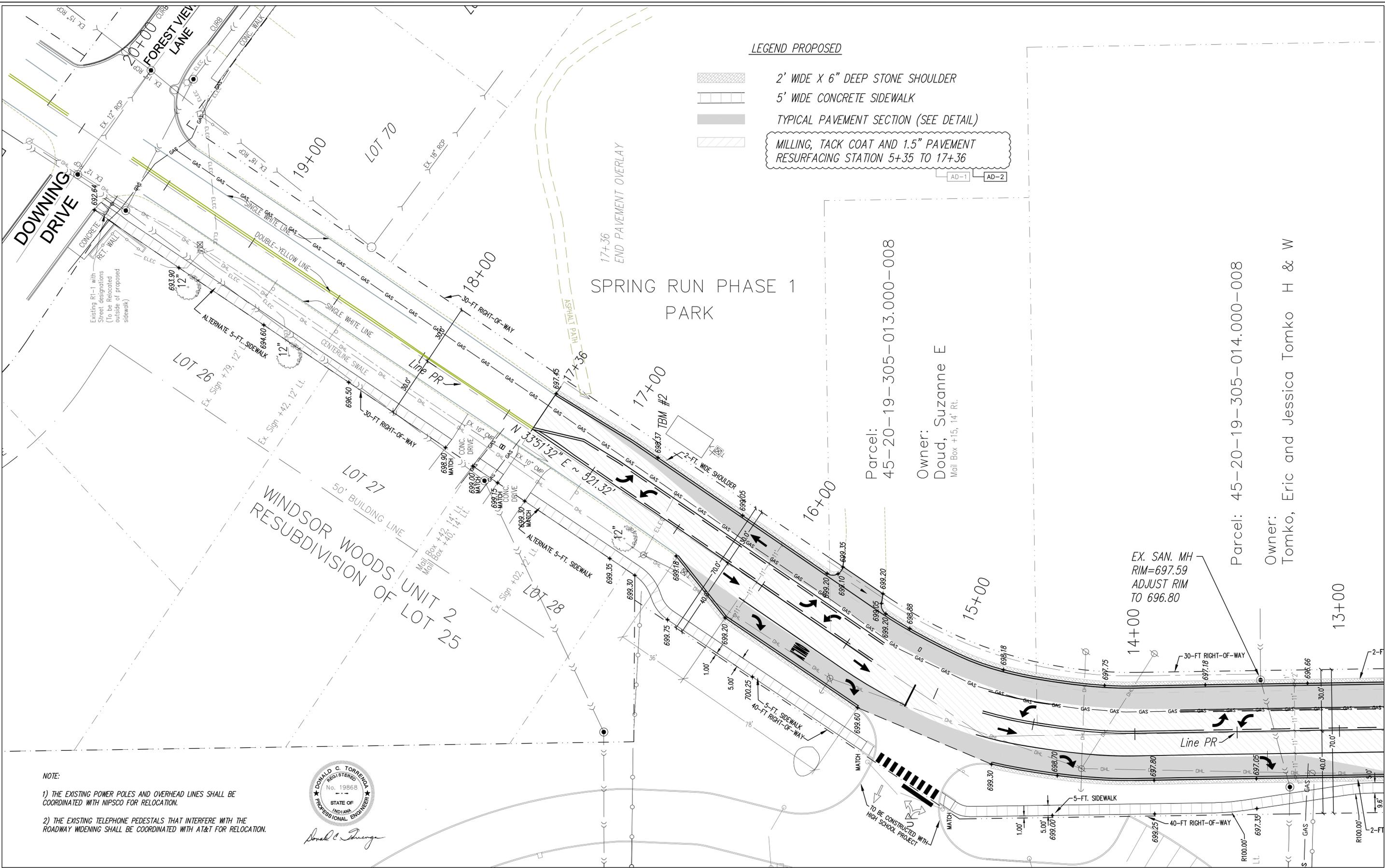
4. Sheet C-4.0 DETAILS & SPECIFICATIONS

- Revised Milling Detail & Typical Pavement Resurfacing.

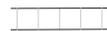
- Revised Typical Pavement X-Section regarding Geotextile Fabric.

interoffice memorandum

FILE NO: Z:\2023-5013 Lowell High School - Lowell\dwg\Holtz Road (3).dwg 3/11/2024 1:28:02 PM CDT



LEGEND PROPOSED

-  2' WIDE X 6" DEEP STONE SHOULDER
-  5' WIDE CONCRETE SIDEWALK
-  TYPICAL PAVEMENT SECTION (SEE DETAIL)
-  MILLING, TACK COAT AND 1.5" PAVEMENT RESURFACING STATION 5+35 TO 17+36

SPRING RUN PHASE 1 PARK

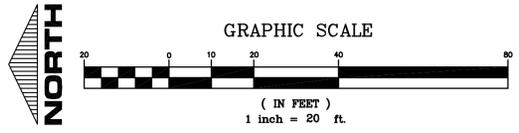
Parcel: 45-20-19-305-013.000-008

Owner: Doud, Suzanne E
Mail Box #15, 14' Rt.

Parcel: 45-20-19-305-014.000-008

Owner: Tomko, Eric and Jessica Tomko H & W

- NOTE:
- 1) THE EXISTING POWER POLES AND OVERHEAD LINES SHALL BE COORDINATED WITH NIPSCO FOR RELOCATION.
 - 2) THE EXISTING TELEPHONE PEDESTALS THAT INTERFERE WITH THE ROADWAY WIDENING SHALL BE COORDINATED WITH AT&T FOR RELOCATION.



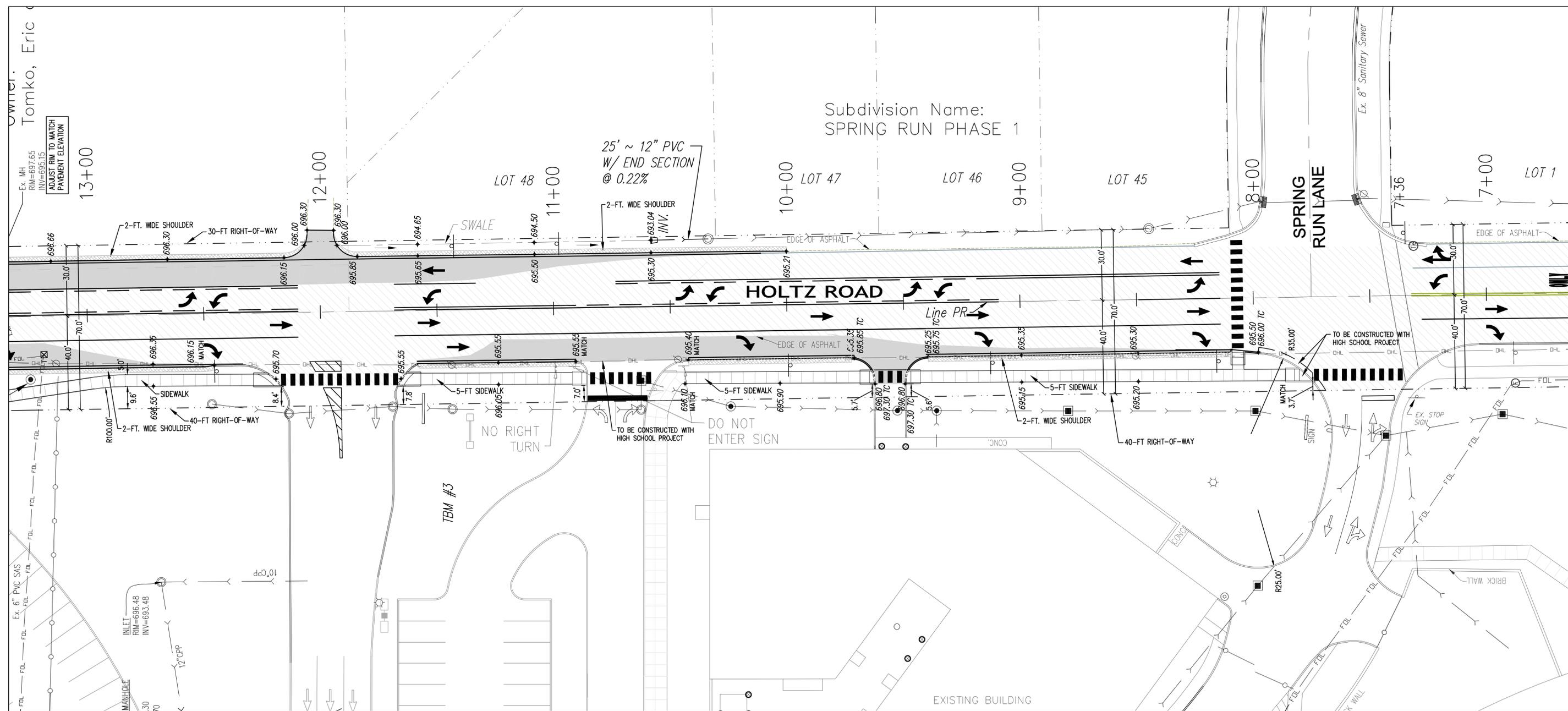
CLIENT: Tri-Creek School Corporation 19290 Cline Avenue Lowell, Indiana 46356	04-03-2024 AD-2 03-28-2024 AD-1
JOB NO: 2023-5056	REVISIONS:
SCALE: 1" = 20'	DATE: 03-11-2024

HOLTZ ROAD - IMPROVEMENTS
LOWELL, INDIANA
IMPROVEMENT PLAN

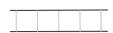
TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD, MUNSTER, INDIANA 46321
Tel. No.: (219) 836-8918 website: www.torrenza.com



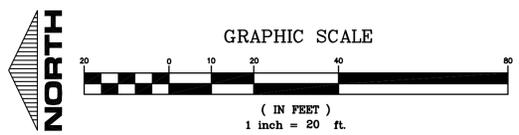
SHEET
C-2.1



LEGEND PROPOSED

-  2' WIDE X 6" DEEP STONE SHOULDER
-  5' WIDE CONCRETE SIDEWALK
-  TYPICAL PAVEMENT SECTION (SEE DETAIL)
-  MILLING, TACK COAT AND 1.5\"/>

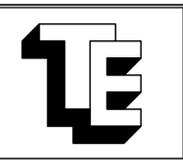
AD-1 AD-2



CLIENT: Tri-Creek School Corporation 19290 Cline Avenue Lowell, Indiana 46356	04-03-2024 AD-2 03-28-2024 AD-1 REVISIONS: DATE: 03-11-2024
JOB NO: 2023-5056	SCALE: 1" = 20'

HOLTZ ROAD - IMPROVEMENTS
LOWELL, INDIANA
IMPROVEMENT PLAN

TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD, MUNSTER, INDIANA 46321
Tel. No.: (219) 836-8918 website: www.torrenge.com

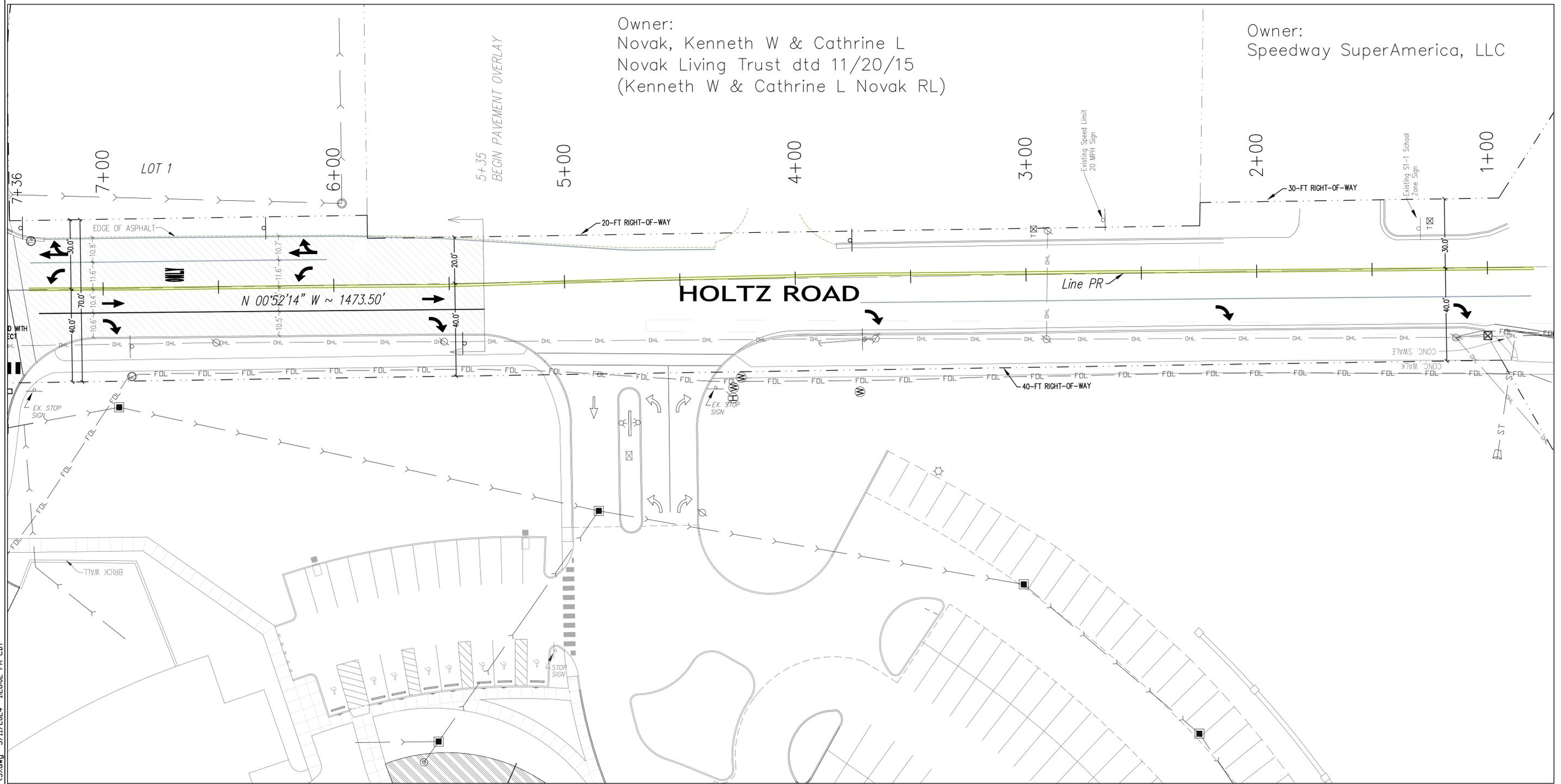


SHEET
C-2.2



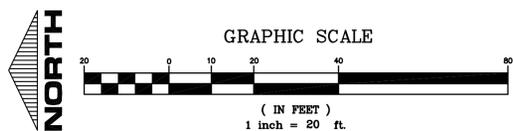
Owner:
 Novak, Kenneth W & Cathrine L
 Novak Living Trust dtd 11/20/15
 (Kenneth W & Cathrine L Novak RL)

Owner:
 Speedway SuperAmerica, LLC



LEGEND PROPOSED

-  2' WIDE X 6" DEEP STONE SHOULDER
-  5' WIDE CONCRETE SIDEWALK
-  TYPICAL PAVEMENT SECTION (SEE DETAIL)
-  MILLING, TACK COAT AND 1.5" PAVEMENT RESURFACING STATION 5+35 TO 17+36



CLIENT:
 Tri-Creek School Corporation
 19290 Cline Avenue
 Lowell, Indiana 46356

JOB NO: 2023-5056

SCALE: 1" = 20'

04-03-2024 AD-2
 03-28-2024 AD-1

REVISIONS:

DATE: 03-11-2024

HOLTZ ROAD - IMPROVEMENTS
LOWELL, INDIANA

IMPROVEMENT PLAN

TORRENGA ENGINEERING, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 907 RIDGE ROAD, MUNSTER, INDIANA 46321

Tel. No.: (219) 836-8918 website: www.torrengea.com

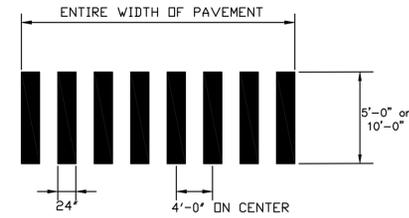
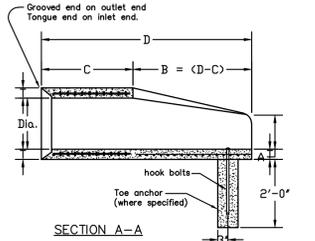
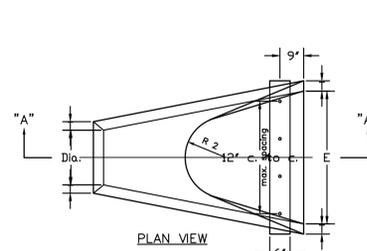
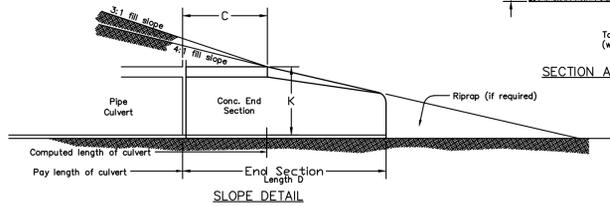


SHEET
 C-2.3



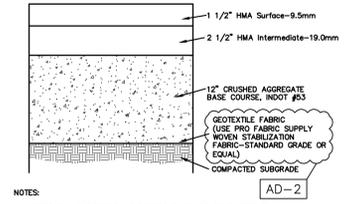
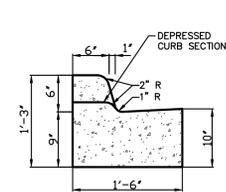
Donald C. Torrenge

Dimensions							
Dia.	T (in.)	A	C	D	E	K	R 2
12"	2"	5"	4'-3"	6'-2"	2'-0"	1.3	9"
15"	2-1/4"	7"	4'-0"	6'-3"	2'-6"	1.5	11"
18"	2-1/2"	11"	4'-1"	6'-2"	3'-0"	1.8	12"
21"	2-3/4"	11"	3'-6"	6'-3"	3'-6"	2.1	13"
24"	3"	1'-0"	2'-8"	6'-3"	4'-0"	2.3	14"
27"	3-1/4"	1'-1"	2'-5"	6'-3"	4'-6"	2.6	14-1/2"
30"	3-1/2"	1'-2"	1'-10"	6'-3"	5'-0"	2.9	15"
33"	3-3/4"	1'-3"	3'-6"	8'-3"	5'-6"	3.1	17-1/2"
36"	4"	1'-5"	3'-1"	8'-3"	6'-0"	3.4	20"



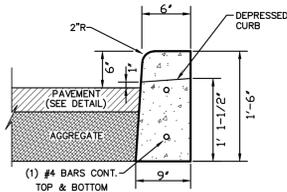
NOTE:
1. ALL REGULATORY SIGNS SHALL BE HIGH INTENSITY AND IN ACCORDANCE WITH THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, MOST RECENT EDITION.
2. ALL PAVEMENT MARKINGS SHALL BE WHITE THERMOPLASTIC AND SPAN ACROSS APPROACH LANES.

CONTINENTAL CROSS WALK DETAIL
NOT TO SCALE

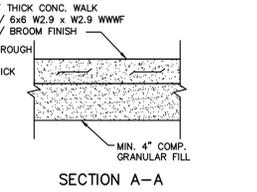
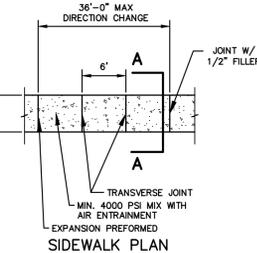
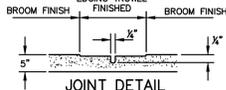


NOTES:
1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.

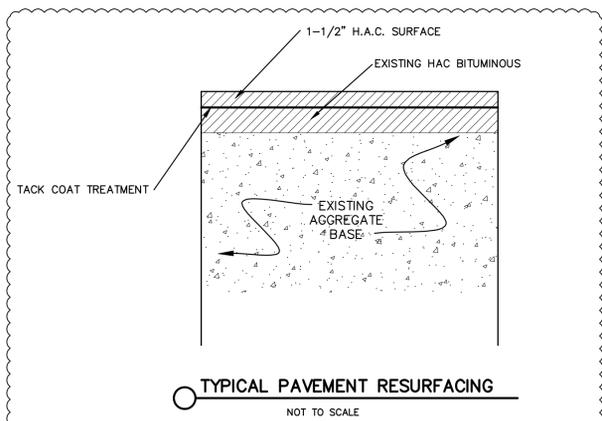
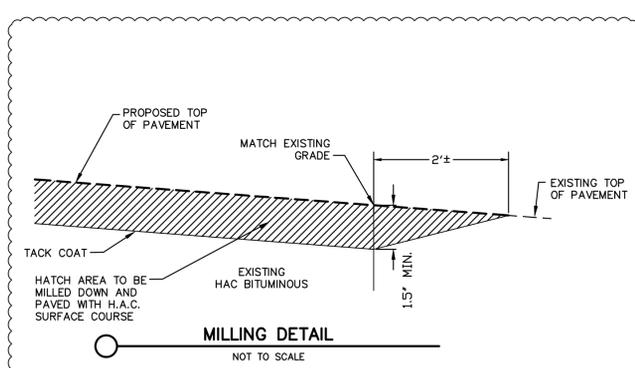
TYPICAL PAVEMENT X-SECTION
NOT TO SCALE



BARRIER CURB DETAIL
NOT TO SCALE



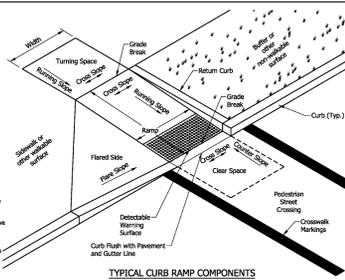
TYPICAL SIDEWALK DETAIL
NOT TO SCALE



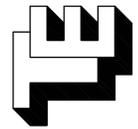
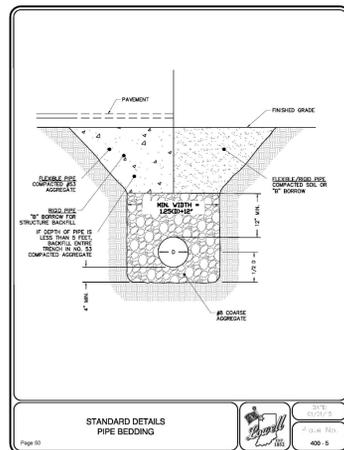
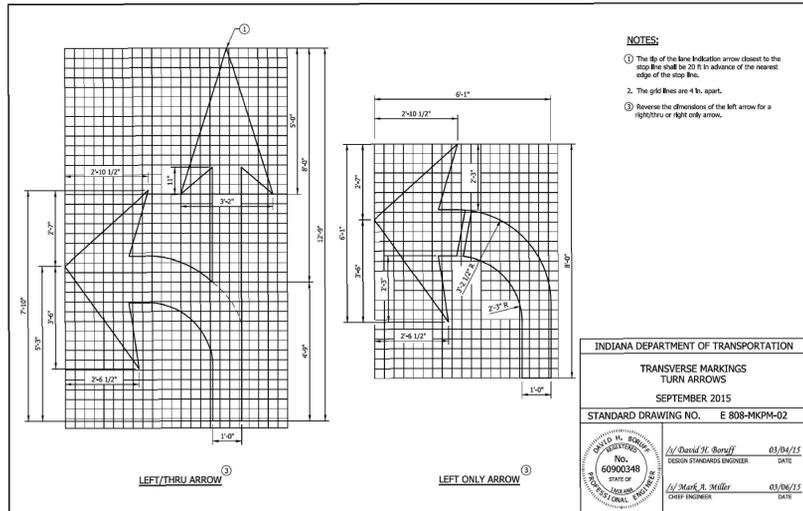
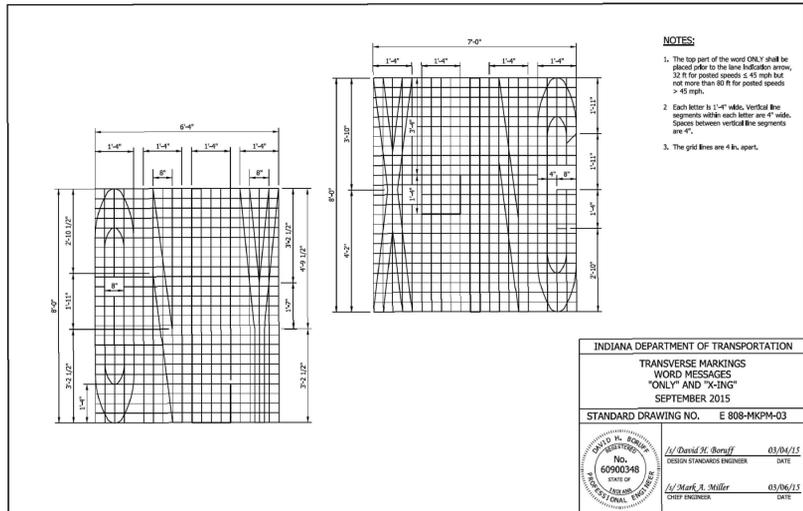
SHEET NO.	SUBJECT
1	Curb Ramps Drawing Index and General Notes
2,3	Perpendicular Curb Ramp Typical Placement
4	Perpendicular Curb Ramp Component Details
5	Clear Way Directional Perpendicular Curb Ramp Typical Placement
6	Clear Way Directional Perpendicular Curb Ramp Component Details
7	Parallel Curb Ramps Typical Placement
8	Parallel Curb Ramps Component Details
9	Blended Transition Curb Ramps, Depressed Curb Ramps and Depressed Curb Ramp Typical Placement
10	Blended Transition Curb Ramps Component Details
11	Median Cut-Through and Median Perpendicular Curb Ramp Typical Placement
12,13	Detectable Warning Surface Placement and Configuration
14	Detectable Warning Surface Details

GENERAL NOTES:

- All slopes are absolute other than related to the sidewalk or roadway grade. Slopes at least 0.5% less than the maximum are preferred.
- Ramp or Blended Transition: A ramp or blended transition shall be used to lower or raise the sidewalk to connect with the street or highway.
- Turning Space: A turning space shall be provided at the top of a perpendicular ramp, bottom of a parallel ramp, or where the pedestrian level requires a change in direction. A common turning space may be shared by adjacent ramps. The turning space shall have a minimum clear dimension of 4 ft x 4 ft. Where the turning space is constrained at the top of the approach to a curb, retaining wall, building, or feature over 2 inches in height, the minimum clear dimension shall be 4 ft x 5 ft, with the 5 ft dimension in the direction of the ramp turning slope.
- Flared Side: A flared side shall be used adjacent to a walkable surface. A flared side may be used adjacent to a non-walkable surface. A flared side shall have a maximum slope of 0.50% measured parallel to the curb of the curb.
- Return Curb: A return curb shall be placed perpendicular to the roadway curb. A return curb may be used adjacent to a non-walkable surface. A return curb shall not be used adjacent to a walkable surface. The return curb may be omitted where the non-walkable surface is flared and the curb adjacent to the roadway is tapered to meet the flush curb at the bottom of the ramp.
- Clear Space: A clear space shall be provided beyond the bottom grade break of a curb ramp wholly contained within the crosswalk and wholly outside the parallel vehicle travel path. The clear space shall have a minimum clear dimension of 4 ft x 4 ft.
- Detectable Warning Surface: A detectable warning surface shall consist of truncated domes and be placed at each street, highway, or railroad crossing, the detectable warning surface shall extend a minimum of 2 ft in the direction of pedestrian travel and be placed the entire width of a ramp, blended transition, or turning space.
- Running Slope: The running slope of a ramp, blended transition, or turning space shall be measured parallel to the direction of pedestrian travel.
 - a. A ramp shall have a maximum running slope of 0.25% but shall not require a ramp length to exceed 15 ft.
 - b. A ramp shall have a maximum running slope of 0.25% but shall not require a ramp length to exceed 15 ft.
 - c. A blended transition shall have a maximum running slope of 0.20%.
- Width: Unless otherwise noted, minimum width of a ramp, blended transition, or turning space, excluding flared sides or return curbs, shall be 4 ft.
- Grade Break: A grade break at the top and bottom of a ramp, blended transition, or turning space shall be perpendicular to the running slope. Grade breaks shall not be within the ramp, blended transition, turning space, or detectable warning surface. Grade breaks shall be flush. Vertical discontinuities shall not be greater than 1/2 in. When a discontinuity is greater than 1/2 in., the surface shall be provided with a slope not steeper than 1:10.
- Cross Slope Exceptions: The cross slope of a ramp, blended transition, or turning space shall be measured perpendicular to the direction of pedestrian travel.
 - a. The maximum cross slope at a pedestrian street crossing without yield or stop control shall be 3.00%.
 - b. The maximum cross slope at a pedestrian street crossing with yield or stop control shall be 2.00%.
 - c. The maximum cross slope at a roadless crossing shall be the established grade of the adjacent roadway.
- Curb Ramps: A curb ramp shall be placed at the curb of the gutter or street adjacent to the turning space, ramp, blended transition, or turning space. See Standard Drawing E 604-SWCR-14 for curb ramp details.
- Objects such as a utility cover, vault frame, and grating shall be placed outside the curb ramp.
- Curb ramps shall be placed within the marked crosswalk area.
- Drainage inlets should be located uphill from a curb ramp to prevent ponding in the path of pedestrian travel.



INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DRAWING INDEX AND GENERAL NOTES	
SEPTEMBER 2018	
STANDARD DRAWING NO.	E 604-SWCR-01



TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD, MUNSTER, INDIANA 46321
Tel. No.: (219) 836-8918
website: www.torrenga.com

HOLTZ ROAD - IMPROVEMENTS
LOWELL, INDIANA
DETAILS & SPECIFICATIONS

CLIENT: Tri-Creek School Corporation
19290 Cline Avenue
Lowell, Indiana 46356

JOB NO: 2023-5066
SCALE: NTS

DATE: 03-11-2024

REVISIONS:
04-03-2024 AD-2
03-28-2024 AD-1