



August 31, 2023

Julie Durkin  
Zoning Administrator  
Village of Pinckney  
220 S. Howell Street  
Pinckney, MI 48169

RE: N. Howell Street & E. Main Street – Sidewalk, Ramp, and Railing Improvements

Ms. Durkin,

We received a request, from the contractor's representative at C & D Hughes, for additional information on the proposed repair/replacement of the existing sidewalk, ramp, and railings located at the Northeast quadrant of N. Howell Street & E. Main Street.

We conducted a site visit on August 29<sup>th</sup>, 2023, and identified several problematic elements associated with the current state of the pedestrian accessible components in this Northeast quadrant. Our initial goal was to provide more detail on what repair and replacement could be completed as a part of the current project. We have included this preliminary design as an attachment to this letter.

As we reviewed the area surrounding this ramp/walk area, we noted the Northeast sidewalk crossing was not improved as a part of relatively recent sidewalk improvements (including detectable warning plates) at the other three quadrants located at this intersection. We understand this was an MDOT project and it appears this questionable NE area was left out of the scope due to difficult and comprehensive modifications required to meet current Americans with Disabilities Act (ADA) requirements.

At this time, we would suggest performing a comprehensive site investigation to identify areas which require modifications to meet current ADA requirements. Once this data has been collected, we can develop full plans, cross sections, and details to bring the entire area up to current requirements. By only addressing the damage to the existing sidewalk, ramp, and railings, we risk investing substantial resources to possibly have them replaced again in the future due to non-compliance.

We propose completing the above-described design activities on an hourly basis with a **not to exceed budget of Six Thousand Five Hundred Dollars (\$6,500.00)**. Please feel free to contact our office directly with any questions or comments relating to this work.

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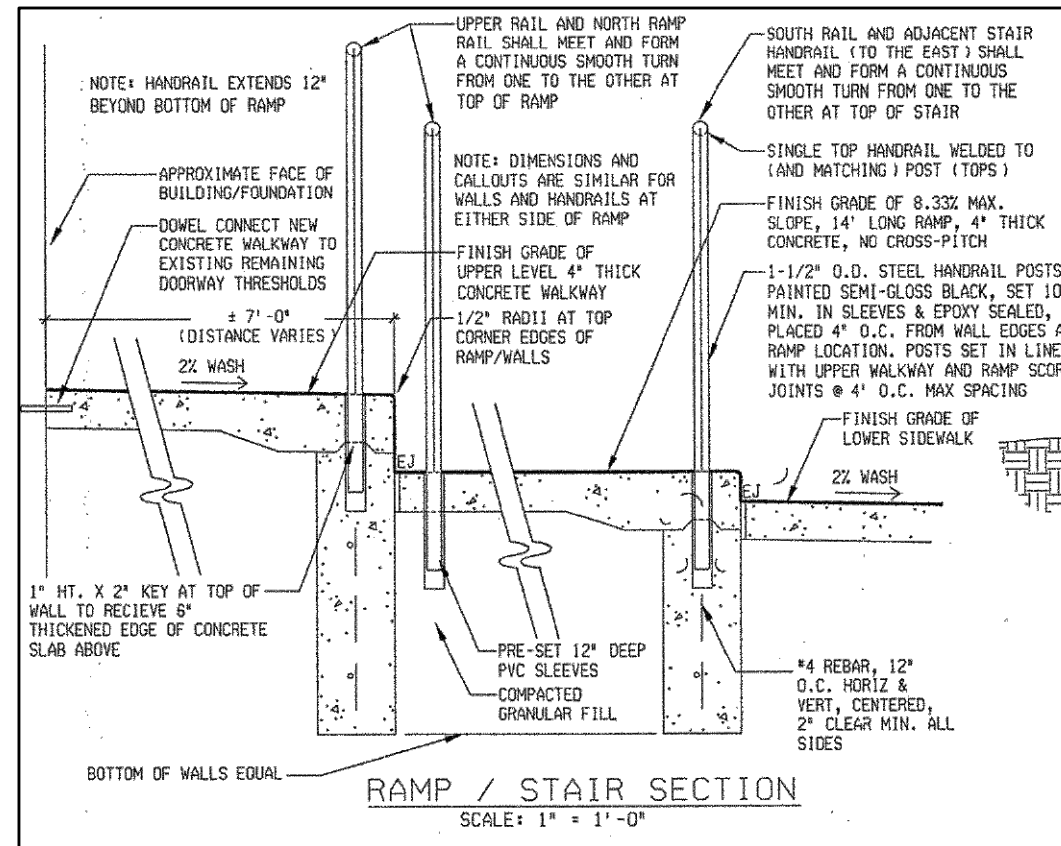
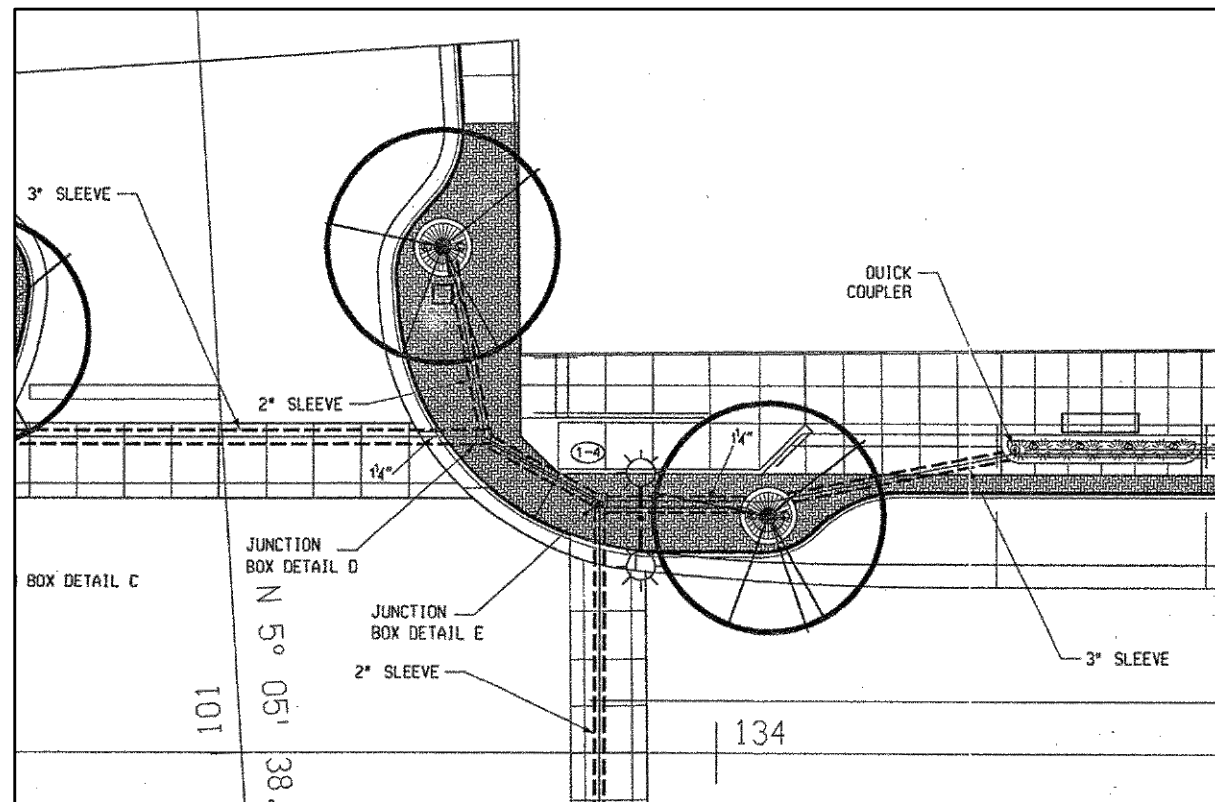
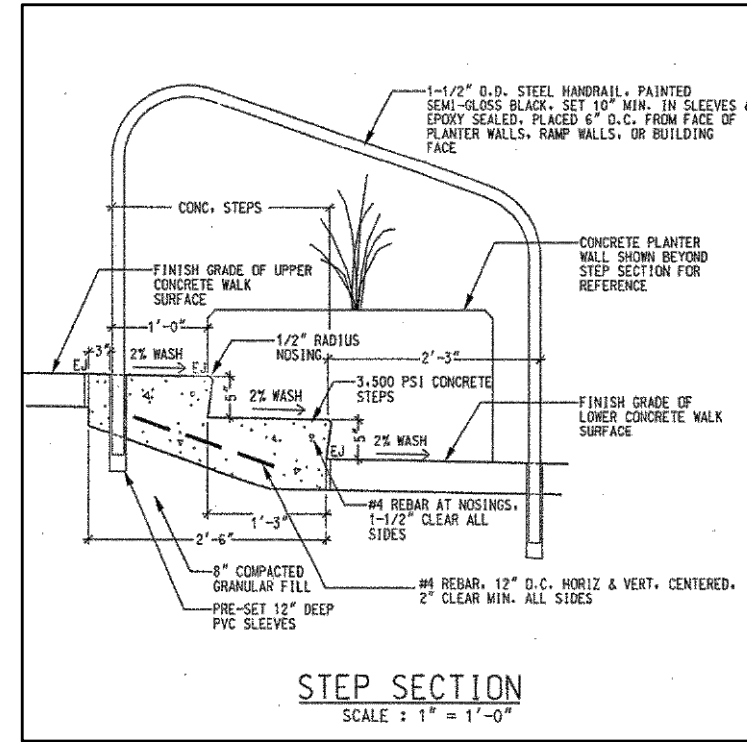
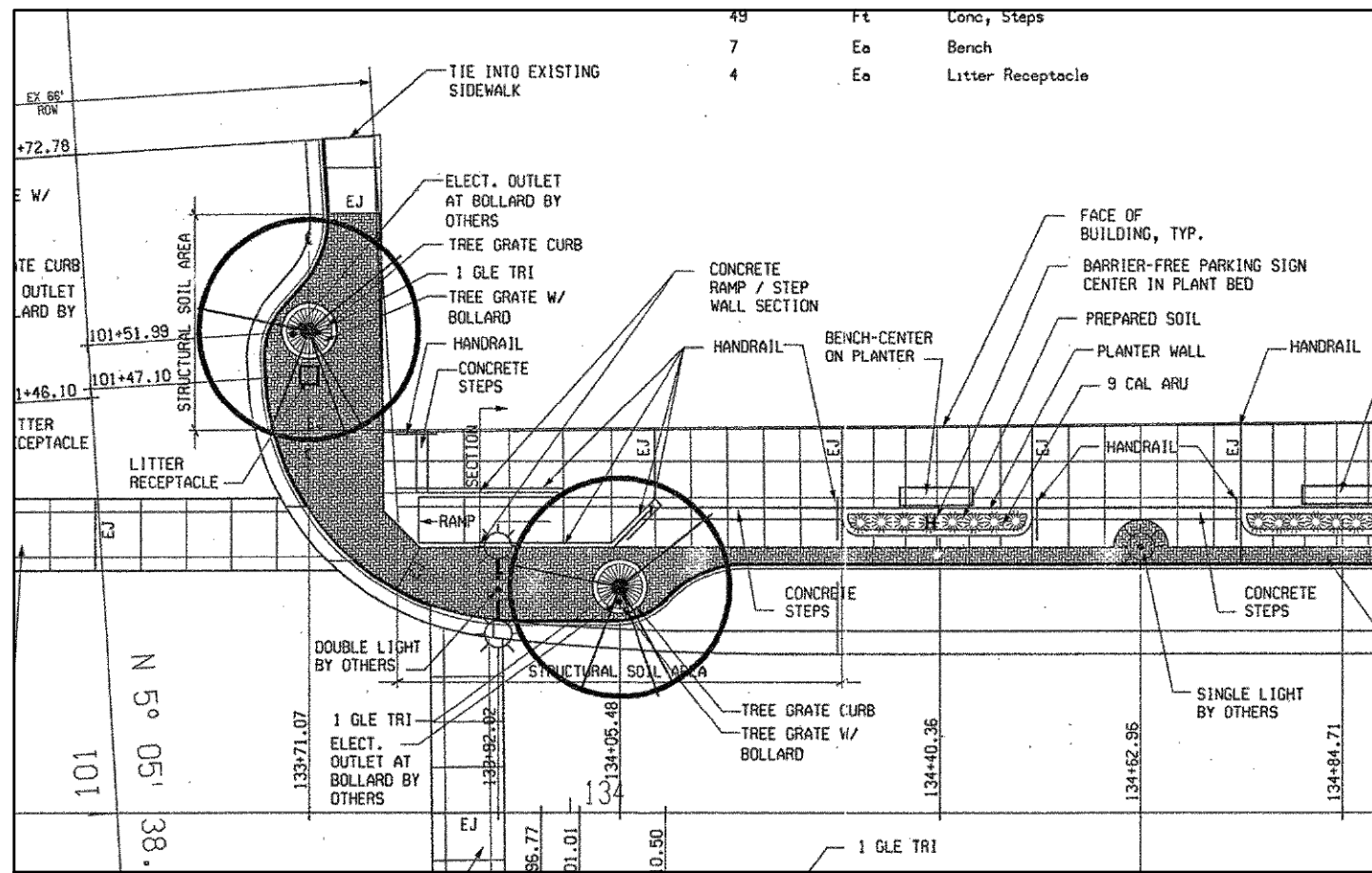
Thank you once again for considering Wolverine Engineers and Surveyors, Inc. for your engineering and surveying needs.

Sincerely,

WOLVERINE ENGINEERS AND SURVEYORS, INC.

A handwritten signature in black ink, appearing to read "Jesse Lewter". The signature is fluid and cursive, with the first name "Jesse" and last name "Lewter" clearly distinguishable.

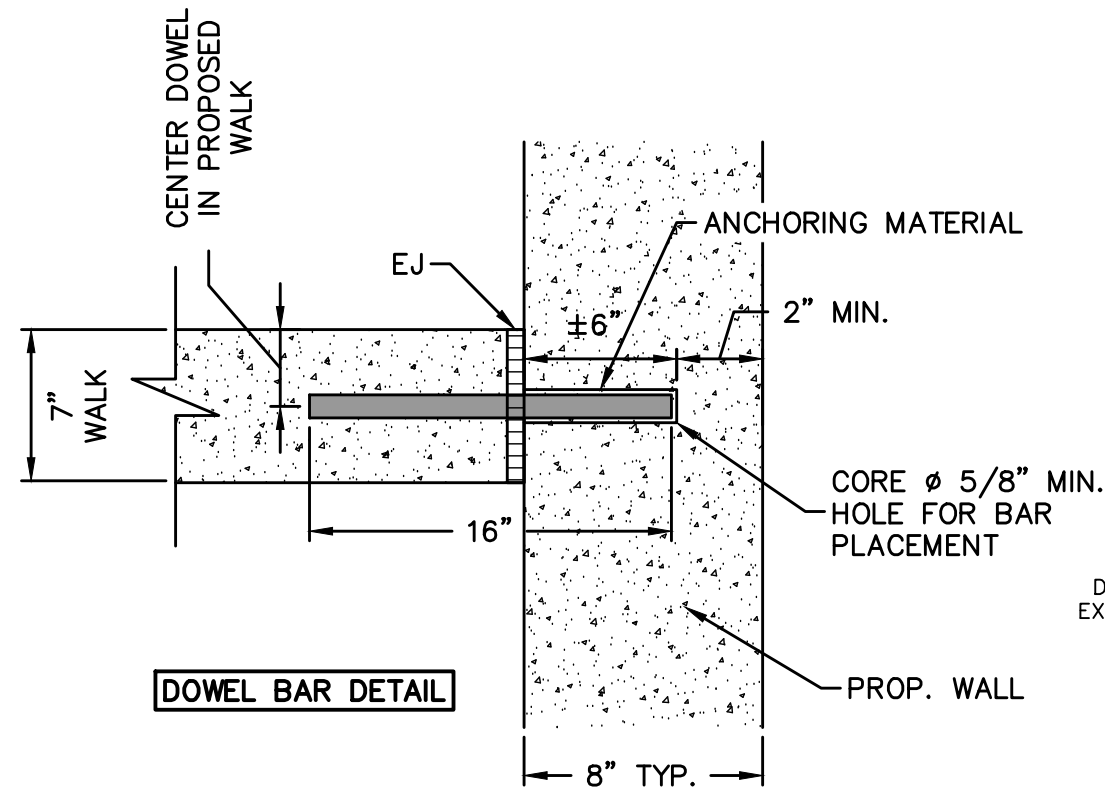
Jesse A. Lewter



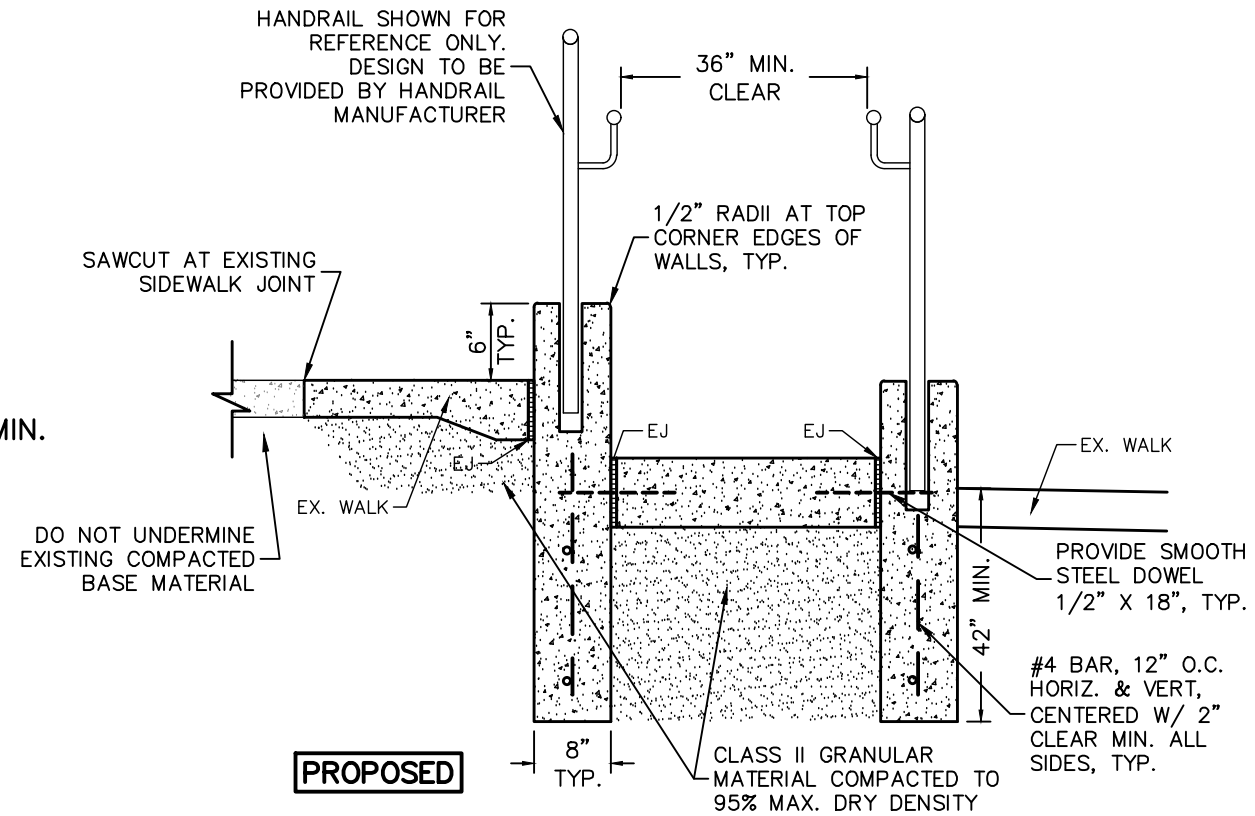
PROJECT:	VILLAGE OF PINCKNEY SIDEWALKS		
SHEET NAME:	EXISTING RAMP CONDITIONS		
JOB NO.:	20-0076-C	CHECKED:	JAL
SCALE:	AS NOTED	DATE:	08/30/2023
		DRAWN:	JAL
		REV:	

**WOLVERINE**  
 Engineers & Surveyors, Inc.

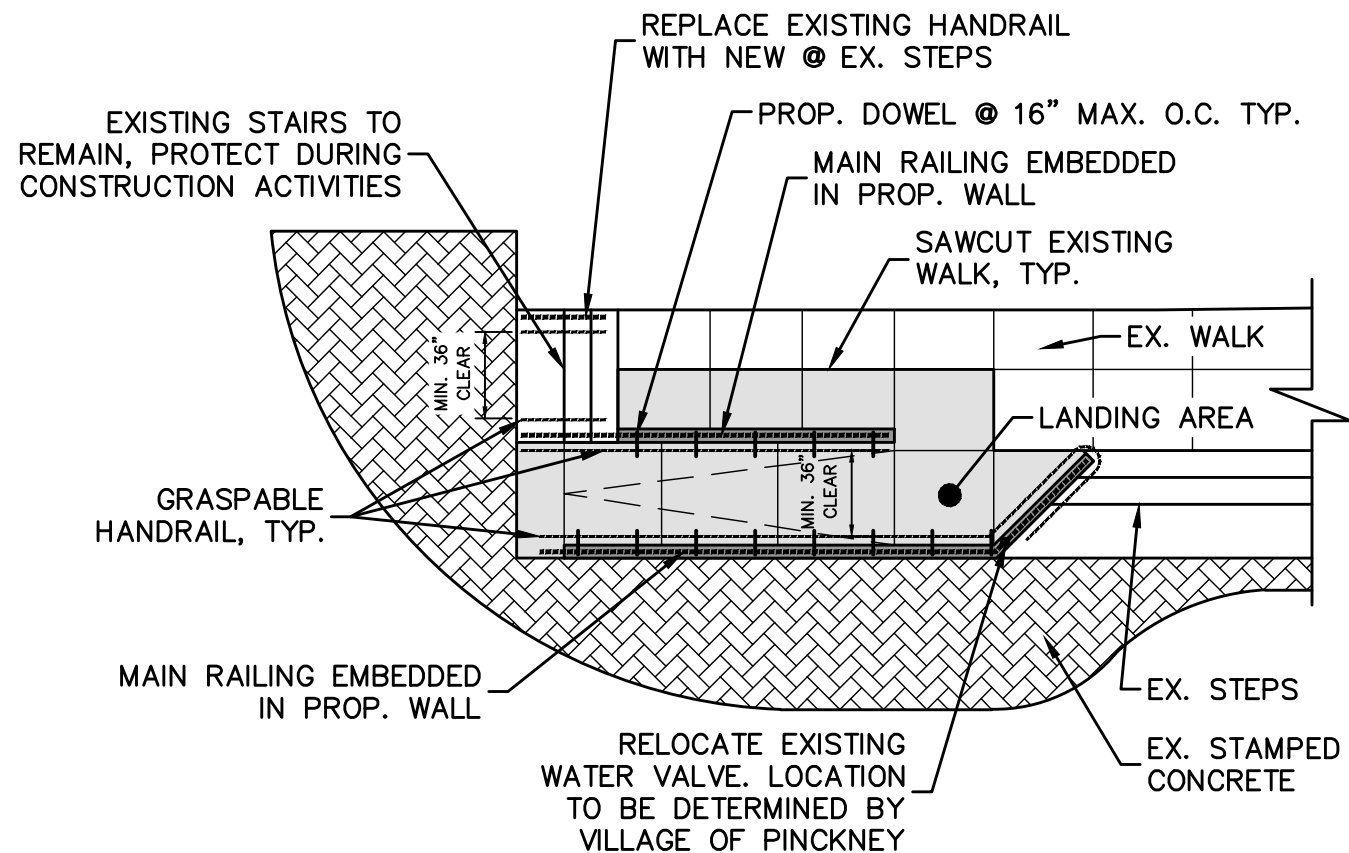
312 North Street  
 Mason, Michigan 48854  
 Ph: 517-676-9200  
 Fx: 517-676-9396  
<http://www.wolveng.com>



**DOWEL BAR DETAIL**



**PROPOSED**



**ENLARGED PLAN**

GENERAL NOTES:

1. ALL LANDINGS SHALL BE 5'x5' AND HAVE A MAXIMUM RUNNING AND CROSS SLOPE OF 2%.
2. RAMP MAY HAVE A MAXIMUM OF 1:12 RUNNING SLOPE.
3. MAXIMUM CROSS SLOPE IN ANY SIDEWALK AREA IS 2%.
4. ALL REPAIRS/REPLACEMENTS MUST MEET CURRENT ADA REQUIREMENTS.
5. ACTUAL DIMENSIONS AND QUANTITIES TO BE DETERMINED BY CONTRACTOR.
6. COORDINATE ALL REINFORCEMENT PLACEMENT WITH PROPOSED HANDRAIL POST LOCATIONS.
7. REFER TO SPECIAL PROVISION FOR "REMOVING/REINSTALLING EXISTING HANDRAIL POSTS IN CONCRETE AND REPAIRING CONCRETE RAMP AND CURB" FOR ADDITIONAL MATERIAL AND CONSTRUCTION INFORMATION.
8. ALL CONCRETE TO BE MDOT "P1" PER STANDARD SPECIFICATIONS (UNLESS OTHERWISE APPROVED BY ENGINEER)..

HANDRAIL NOTES:

1. GRASPABLE HANDRAIL SLOPE TO MATCH RAMP SLOPE.
2. ALL HANDRAILS TO MEET CURRENT ADA STANDARDS.
3. HAND RAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT.
4. TOP OF GRIPPING SURFACES SHALL BE 34" MINIMUM AND 38" MAXIMUM VERTICALLY ABOVE WALKING SURFACES AND STAIR NOSINGS.
5. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE ADJACENT WALKING SURFACES.
6. HANDRAIL EXTENSIONS SHALL RETURN TO A WALL, GUARD OR THE LANDING SURFACE.
7. ACCEPTABLE HANDRAILS:
  - 7.1. PROPOSED "GOLDEN RAILINGS" 1 1/2" STAINLESS STEEL, CONCRETE EMBEDDED, RIVETED HANDRAIL SYSTEM (OR ENGINEER APPROVED EQUIVALENT), MOUNT PER MANUFACTURERS SPECIFICATIONS (TYP.).
  - 7.2. CUSTOM STEEL FABRICATED HANDRAIL (ZINC-PRIMED AND POWDER COATED - BLACK) MEETING ALL CURRENT ADA REQUIREMENTS. COLOR AND SHOP DRAWING TO BE APPROVED BY ENGINEER/VILLAGE OF PINCKNEY. MOUNT PER MANUFACTURERS/FABRICATORS RECOMMENDATIONS.

PROJECT: VILLAGE OF PINCKNEY SIDEWALKS		SHEET NAME: PROPOSED RAMP PLAN, SECTION, & DETAIL	
JOB NO.: 20-0076-C	CHECKED: JAL	DRAWN: JAL	REV:
SCALE: AS NOTED	DATE: 08/30/2023		

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