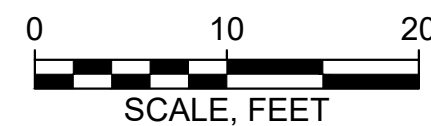
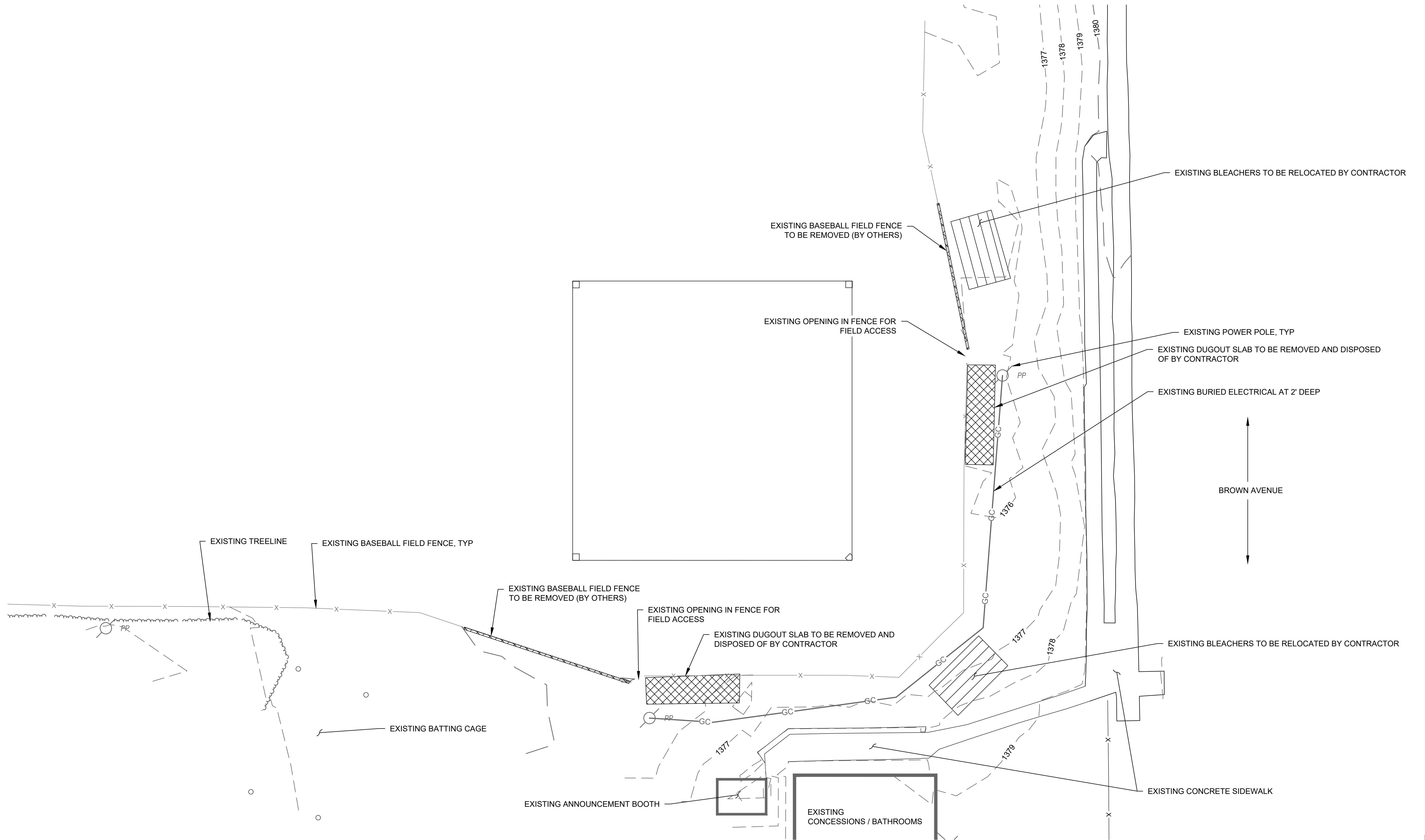


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Attention:
 0 1"
 If this scale bar does not measure 1" then drawing is not original scale.

Designed: J. PAQUET
 Drawn: J. PAQUET
 Checked: J. ECKERT
 Approved: J. PAQUET
 P.E. No: -
 GEI Project -



CITY OF NEGAUNEE
 319 W. CASE ST
 NEGAUNEE, MI 49866

**LACOMBE FIELD
 SIDEWALK
 IMPROVEMENTS**

Project Location

| NO | DATE | ISSUE/REVISION | APP |
|----|-----------|----------------|-----|
| 0 | 10/1/2020 | FOR BID | JWP |
| | | | APP |

SHEET NAME
**EXISTING CONDITIONS /
 DEMOLITION**

FOR BID

SHEET NO.

C-1

LEGEND

- EXISTING TOP OF CONCRETE ELEVATION
- PROPOSED TOP OF CONCRETE SIDEWALK
- PROPOSED ADA PCC SIDEWALK AND RAMPS (5" THICK, 6' WIDE, UNLESS NOTED OTHERWISE)
- PROPOSED DUGOUT SLAB (8" THICK, 10' WIDE)

NOTES:

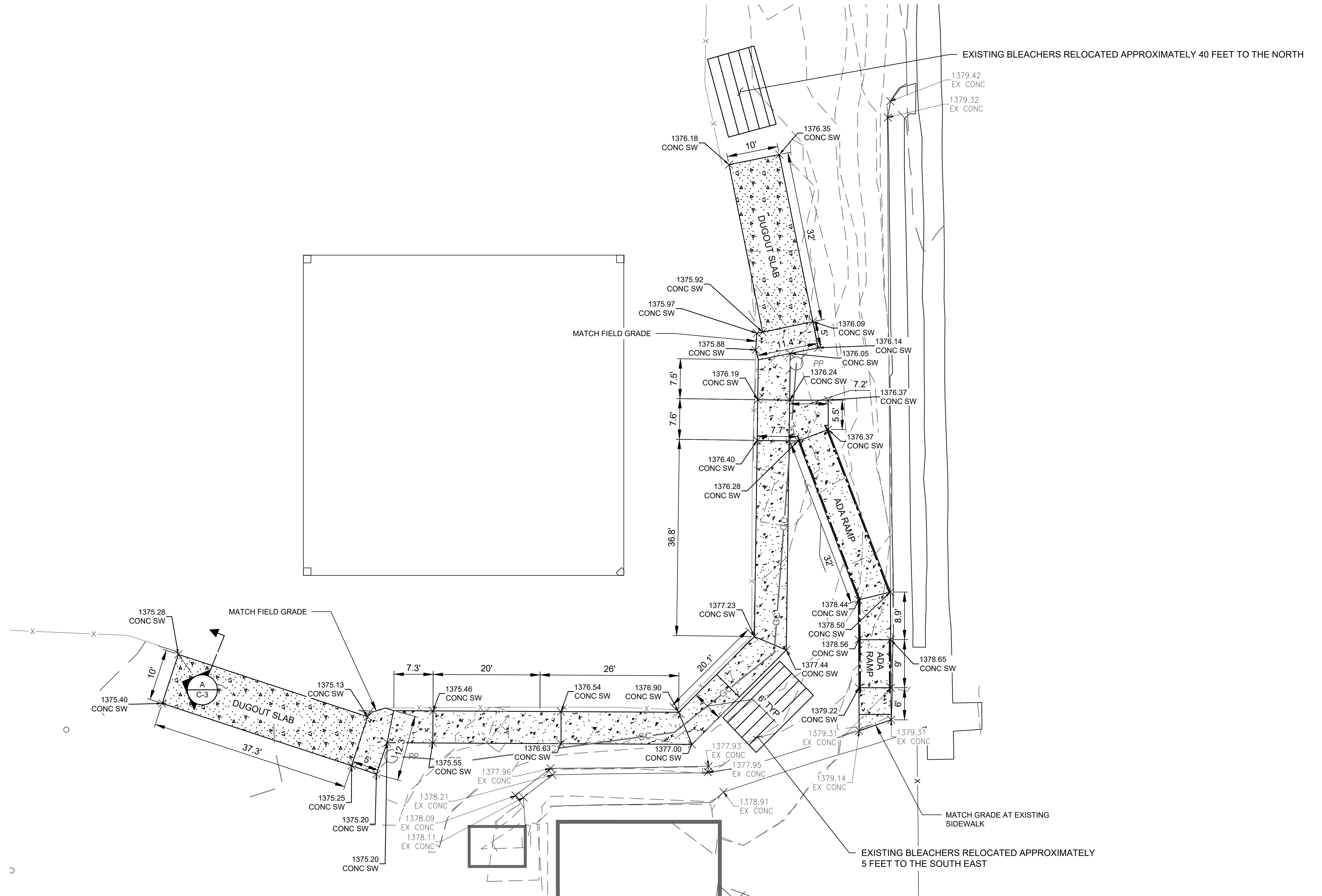
- TOPOGRAPHIC SURVEY PERFORMED BY GEI CONSULTANTS IN JULY 2020.
- TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS.

ADA NOTES:

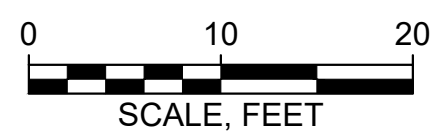
- ACCESSIBLE ROUTES SHALL NOT EXCEED 2% CROSS SLOPE OR 5% RUNNING SLOPE AND SHALL HAVE A 36" MINIMUM CLEAR WIDTH.
- ADA LANDINGS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 2% AND THE RUNNING SLOPES SHALL BE NO GREATER THAN 8.3%.

ENGINEER'S ESTIMATE OF QUANTITIES

| PRIMARY SCOPE | | |
|-----------------|------|--|
| 1 | LSUM | EXCAVATION / COMPACTED FILL AS NECESSARY TO MEET DESIGN GRADES |
| 1,050 | SFT | ADA CONCRETE SIDEWALK (5" THICK) |
| 250 | SFT | ADA CONCRETE RAMP (5" THICK) W/ GALVANIZED STEEL HANDRAILS |
| 1 | LSUM | REMOVE AND DISPOSE OF EXISTING DUGOUT SLABS / DUGOUT SLAB FENCE |
| 1 | LSUM | RELOCATE EXISTING STEEL BLEACHERS TO EXISTING FIELD WEST OF LACOMBE FIELD. |
| 1 | LSUM | SITE RESTORATION |
| ALTERNATE SCOPE | | |
| 1 | LSUM | CONCRETE DUGOUT SLABS, TWO SLABS (REINFORCED CONCRETE, VARIABLE THICKNESS, EXCAVATION) |



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CITY OF NEGAUNEE
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**LACOMBE FIELD
 SIDEWALK
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SHEET NAME
**PROPOSED SIDEWALK
 LAYOUT**

FOR BID

SHEET NO.

C-2

SUBMITTAL NOTES:

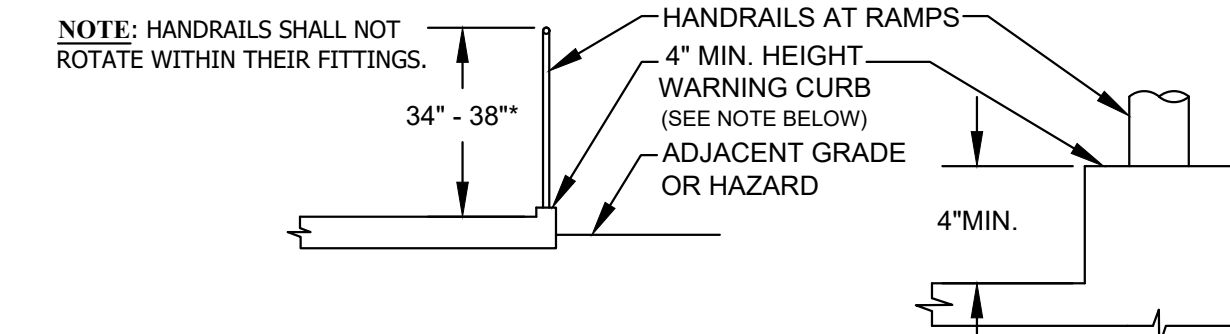
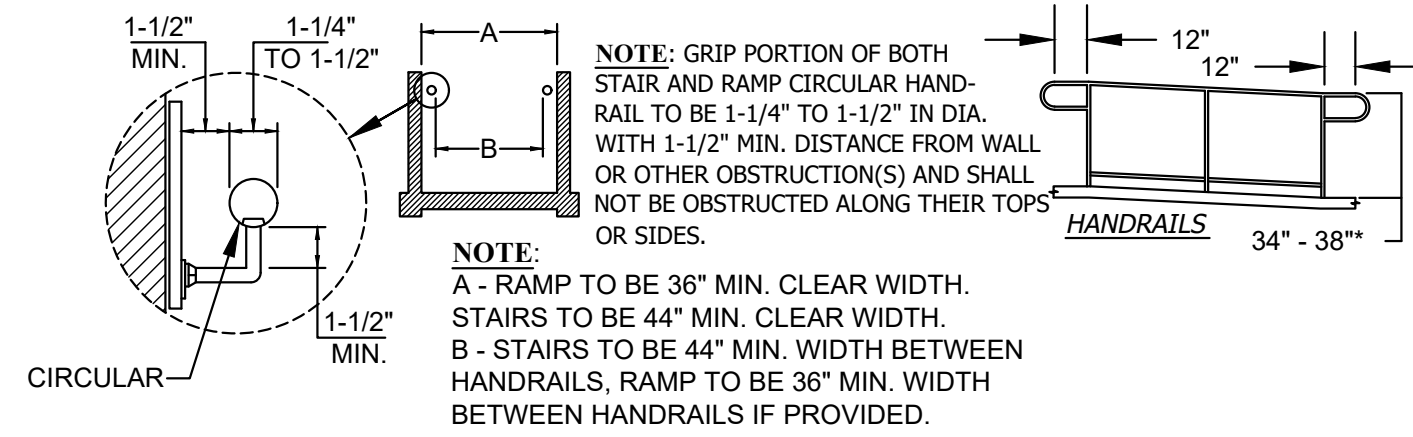
- CONTRACTOR TO PROVIDE STEEL SHOP DRAWINGS FOR NEW STAIRS, HANDRAILS, AND GUARDRAILS TO GEI FOR REVIEW AND APPROVAL A MINIMUM 4 WEEKS UPON CONTRACT AWARD DATE.
- STAIRS, HANDRAILS, AND GUARDRAILS SHALL BE GALVANIZED STEEL.

GENERAL HANDRAIL NOTES:

- HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.
- HANDRAIL EXTENSIONS FOR BOTH STAIRS AND RAMPS SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF THE STAIR FLIGHT OR RAMP RUN.

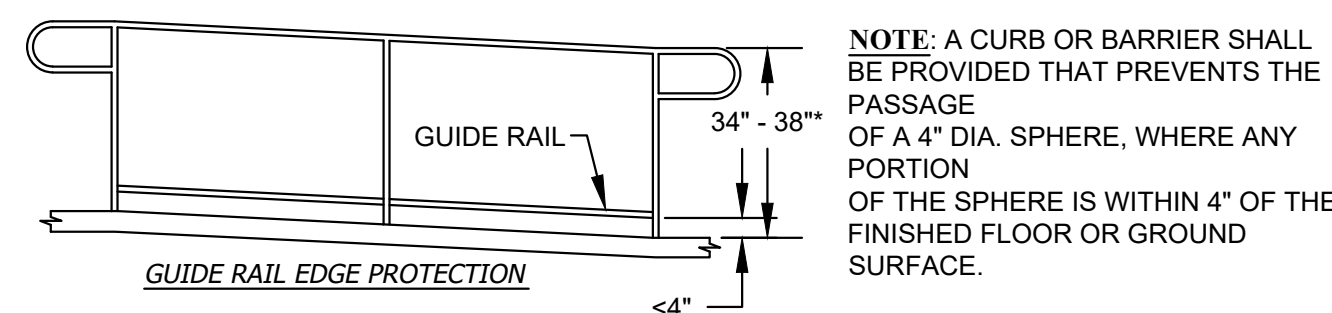
NOTE: HANDRAILS SHALL BE CONTINUOUS WITHIN FULL LENGTH OF EA. STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.

NOTE: HANDRAILS MUST EXTEND A MINIMUM OF 12" OF LEVEL DISTANCE (PARALLEL TO SURFACE) BEYOND THE TOP AND BOTTOM OF THE RAMP ENDS BEFORE THEY ARE RETURNED.



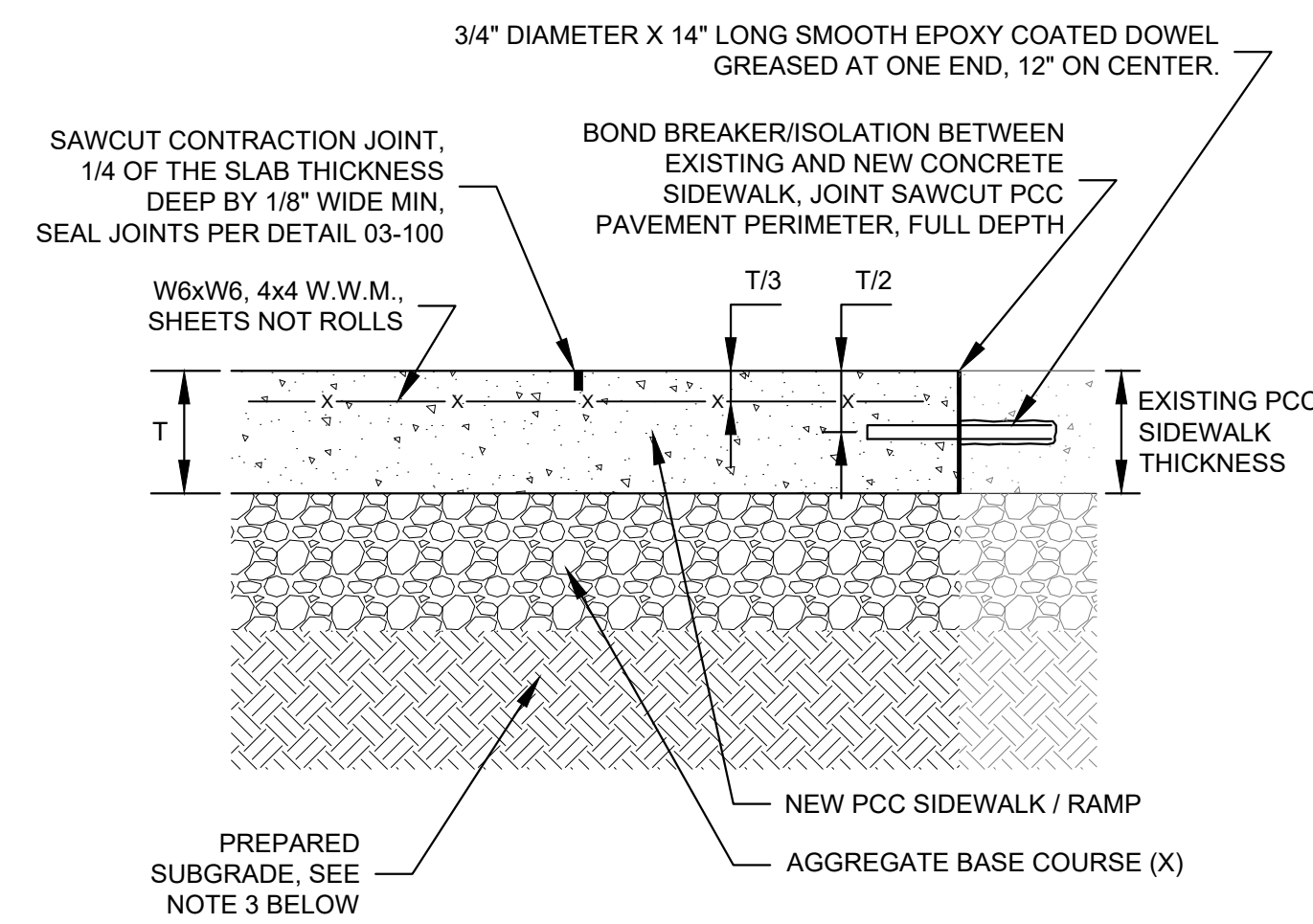
NOTE: EDGE PROTECTION, EITHER GUIDE CURB OR GUIDE RAIL, SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS.

GUIDE CURB EDGE PROTECTION



02-980 HANDRAILS & EDGE PROTECTION

SCALE: NTS



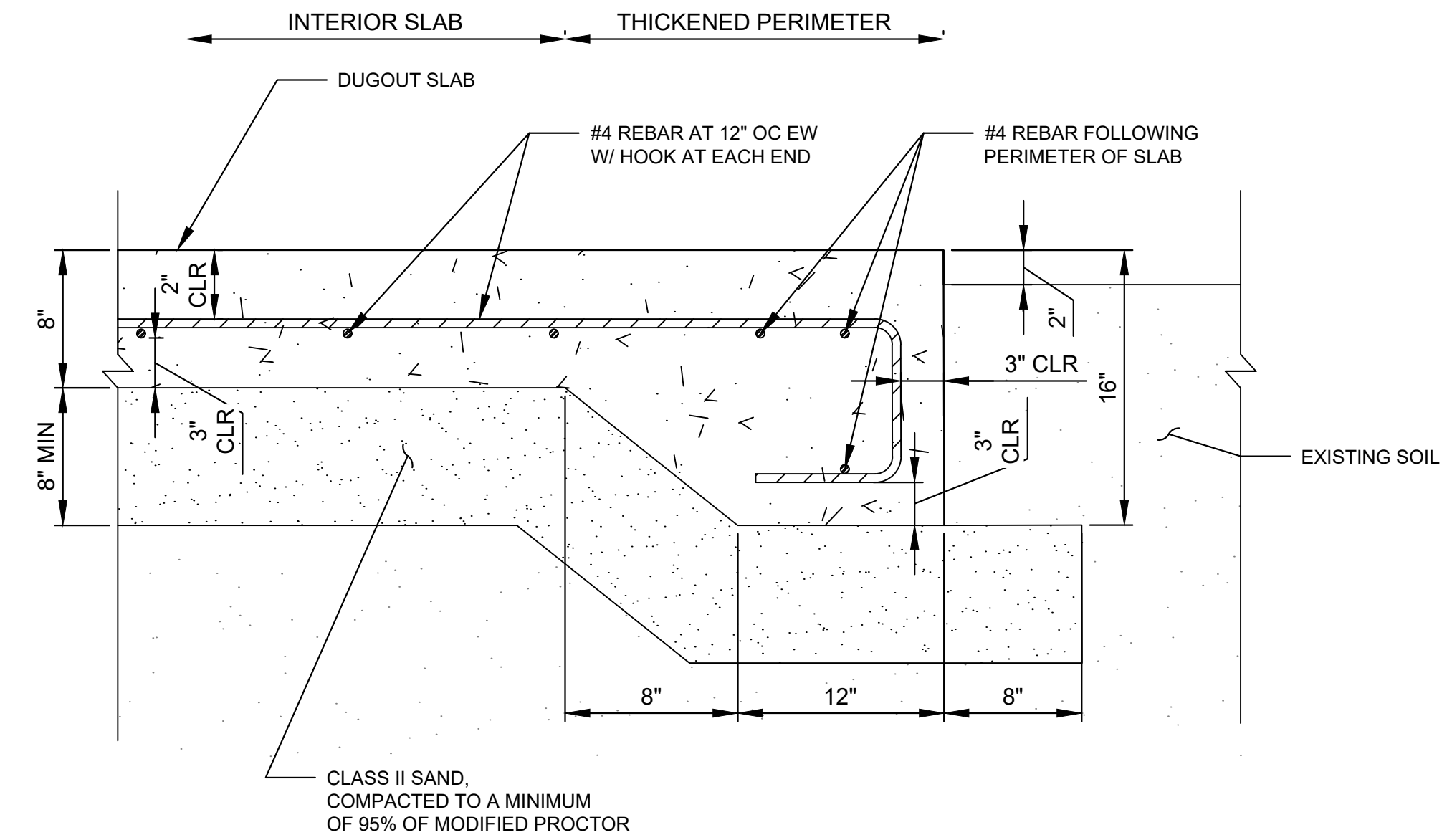
| DESCRIPTION | THICKNESS | COMPACTED THICKNESS |
|-----------------------|------------------|---------------------|
| | PCC SIDEWALK (T) | AGGREGATE BASE (X) |
| PCC SIDEWALK AND RAMP | 5" | 6" |

NOTES:

- SAWCUT SIDEWALKS TO DIMENSIONS INDICATED ON PLANS. CLEAN VERTICAL SURFACE OF ANY LOOSE CONCRETE OR DIRT THAT WILL INTERFERE WITH BOND.
- CONTRACTION JOINT SPACING SHALL BE 5 FEET OR LESS IN ANY DIRECTION, SEAL JOINTS PER DETAIL 03-100.
- REGRADE, MOISTURE CONDITION AND RECOMPACT EXISTING SUBGRADE TO AT LEAST 95% OF MODIFIED PROCTOR DENSITY AND TO WITHIN PLUS OR MINUS 2 POINTS OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557.
- REFER TO GENERAL NOTES AND SPECIFICATIONS SHEET FOR MATERIAL MIX DESIGN INFORMATION.

03-033 FULL DEPTH PCC SIDEWALK / RAMP RECONSTRUCTION

SCALE: NTS



**A SECTION
C-2 DUGOUT SLAB**

NOT TO SCALE

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| P.E. No.: | - |
| GEI Project: | - |

GEI Consultants
 GEI CONSULTANTS OF MICHIGAN, P.C.
 109 W. BARAGA AVENUE
 MARQUETTE, MI 49855
 (906)451-4021

CITY OF NEGAUNEE
 319 W. CASE ST
 NEGAUNEE, MI 49866

**LACOMBE FIELD
 SIDEWALK
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| 0 | 10/1/2020 | FOR BID | JWP |
| | | | APP |

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| SHEET NAME | DETAILS |
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| | |
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| SHEET NO. | C-3 |
|-----------|------------|

FOR BID

GENERAL NOTES:

- A. CONTRACTOR WILL HAVE ACCESS TO THE SITE (TO BE COORDINATED WITH THE OWNER AND ENGINEER) TO VERIFY EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS AND QUANTITIES IN THE FIELD PRIOR TO BIDDING, FABRICATING, INSTALLING ANY MATERIALS OR COMMENCEMENT OF ANY WORK. START OF WORK SHALL CONSTITUTE ACCEPTANCE OF QUANTITIES INDICATED. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER AND OWNER PRIOR TO BIDDING THE WORK.
- B. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS (2012), WHICH ARE REFERENCED AS STANDARD SPECIFICATIONS. CONTRACTOR SHALL OBSERVE THE SCOPE OF WORK, CONTROL OF WORK, CONTROL OF MATERIALS, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC AND PROSECUTION AND PROGRESS.
- C. CONTRACTOR SHALL VERIFY THAT ALL WORK TO BE PERFORMED MEETS THE HIGHEST LEVEL REQUIRED BY THE LOCAL CODE, STATE AND FEDERAL AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- D. ALL WORK SHALL BE COORDINATED WITH JOSH PAQUET, GEI PROJECT MANAGER (906-629-1389) AND DEREK DUSCHANE, CITY OF NEGAUNEE PARKS AND RECREATION SUPERVISOR (906-475-7900)
- E. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED BY THE STATE AND MUNICIPAL CODE PRIOR TO START OF WORK. PROVIDE COPIES OF PERMITS TO GEI CONSULTANTS PROJECT MANAGER AND CITY OF NEGAUNEE PRIOR TO MOBILIZATION.
- F. CONTRACTOR SHALL CONDUCT PRIVATE AND PUBLIC UTILITY CLEARANCE SERVICE AND PROVIDE WRITTEN DOCUMENTATION OF CLEARANCE TO OWNER PRIOR TO MOBILIZING TO COMMENCE WORK. ALL COST OF REPAIR DUE TO DAMAGES TO UTILITIES AND PROPERTY, INCLUDING CONSEQUENTIAL DAMAGES THAT RESULT FROM CONTRACTORS WORK SHALL BORNE BY THE CONTRACTOR.
- G. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES IN CONFORMANCE WITH LOCAL JURISDICTION GOVERNING SOIL EROSION AND SEDIMENTATION CONTROL. PERTINENT PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- H. CONTRACTOR TO PROVIDE ALL SURVEYING DURING CONSTRUCTION TO ENSURE CONFORMANCE WITH ADA REQUIREMENTS AND / OR DRAINAGE IMPROVEMENTS. CONTRACTOR SHALL SURVEY FINAL GRADES UPON COMPLETION OF THE THE WORK AND PROVIDE AS-BUILT CONSTRUCTION DRAWINGS VERIFYING FINAL GRADES AND CONSTRUCTION LIMITS.

WORK TO BE PERFORMED SHALL INCLUDE THE FOLLOWING:

- A. PROVIDE SURVEYING PRIOR AND DURING CONSTRUCTION TO ENSURE PROPOSED GRADES PROVIDE POSITIVE DRAINAGE OF FINISHED CONCRETE SURFACES, GRADE CONTROL AND ADA REQUIREMENTS.
- B. REMOVE SELECTED AREAS OF EXISTING PCC SIDEWALK AND SUBGRADE (AS REQUIRED) TO DESIGN SUBGRADE ELEVATION.
- C. REGRADE, MOISTURE CONDITION AND COMPACT THE SUBGRADE.
- D. CONSTRUCT PCC SIDEWALK AT THE LOCATIONS SHOWN ON THE PLANS.
- E. CONSTRUCT NEW PCC ADA RAMP AND STAIRS WITH GALVANIZED STEEL HANDRAILS AT THE LOCATIONS SHOWN ON THE PLANS.
- F. GENERAL LANDSCAPE AND RESTORATION.
- G. OTHER WORK SHOWN ON THE PLANS BUT NOT SPECIFICALLY LISTED IN THIS SECTION ARE CONSIDERED INCIDENTAL.

MATERIAL REQUIREMENTS:

- B. ALL MATERIAL SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS.

SELECTIVE DEMOLITION

- A. CONTRACTOR SHALL REMOVE SELECTED AREAS OF EXISTING PCC SIDEWALK IN CONFORMANCE WITH STANDARD SPECIFICATIONS.
- B. REMOVED MATERIALS SHALL BE IMMEDIATELY HAULED OFF SITE AND LEGALLY DISPOSED OF AND / OR RECYCLED. ANY REUSED MATERIALS (SUCH AS EXISTING AGGREGATE BASE COURSE) MUST BE APPROVED BY GEI ENGINEER PRIOR TO INSTALLATION. APPROVED REUSED MATERIAL MAY NOT BE STOCKPILED OR OTHERWISE STORED ONSITE UNLESS APPROVED BY THE OWNER.

SUBGRADE / AGGREGATE BASE COURSE PREPARATION FOR SIDEWALK AND RAMP AREAS

- A. UPON COMPLETION OF SUBGRADE EXCAVATION, CONTRACTOR SHALL REGRADE AND RECOMPACT AGGREGATE BASE COURSE MATERIAL TO A MINIMUM OF 95% OF THE MAXIMUM LABORATORY DRY DENSITY (ASTM D1557) AND TO WITHIN +/- 2 POINTS OPTIMUM MOISTURE CONTENT.
- B. IF AFTER REWORKING THE SUBGRADE TO WITHIN +/- 2 POINTS OF OPTIMUM MOISTURE CONTENT, THE SUBGRADE IS STILL UNSTABLE OR IS DETERMINED UNSUITABLE BY GEI ENGINEER OR GEI'S SITE REPRESENTATIVE, THE CONTRACTOR SHALL EXCAVATE UNSTABLE AREAS TO AN ELEVATION OF STABLE SUBGRADE. THE VERTICAL SURFACES OF ALL UNDERCUTS SHALL BE SLOPED TO A RATIO OF 1 HORIZONTAL TO 1 VERTICAL FROM THE BASE OF THE UNDERCUT EXCAVATION TO THE EXPOSED SUBGRADE ELEVATION AS SHOWN ON DETAIL 02-194. UNDERCUT AREAS SHALL BE FILLED TO A PROPOSED TOP OF AGGREGATE BASE COURSE ELEVATION BY THE PLACEMENT AND COMPACTION OF WELL GRADED CRUSHED AGGREGATE BASE COURSE WITH NO MORE THAN 8 PERCENT PASSING THE NO. 200 SIEVE AS DEFINED BY THE UNIFIED SOIL CLASSIFICATION SYSTEM. AGGREGATE BASE COURSE MATERIAL SHALL BE PLACED IN MAXIMUM 9" LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM LABORATORY DRY DENSITY (ASTM D1557) AND TO WITHIN +/- 2 POINTS OPTIMUM MOISTURE CONTENT.
- C. CONTRACTOR TO STRINGLINE FOR COMPARISON OF THE PREPARED AGGREGATE CASE COURSE AND FINISHED GRADE TO THE REQUIRED (DESIGN) TOTAL PCC SIDEWALK THICKNESS SHOWN ON THE DETAILS. STRINGLINE TO BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
- D. CONTRACTOR SHALL SUBMIT COPIES OF THE PROPOSED AGGREGATE BASE COURSE TO GEI ENGINEER FOR REVIEW AND APPROVAL. BASE COURSE TO MEET REQUIREMENTS OF CLASS II SAND PER MDOT OR APPROVED EQUIVALENT.

PORTLAND CEMENT CONCRETE:

- A. CONTRACTOR SHALL SUBMIT COPIES OF THE PROPOSED MIX DESIGN AND CONTRACTION JOINT LAYOUT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. PCC SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS. CONCRETE STRENGTH SHALL BE HIGH EARLY WITH AT LEAST 4,000 PSI AT 28 DAYS, 3,000 PSI AT 3 DAYS WITH A MAXIMUM WATER / CEMENT RATIO OF 0.45, SLUMP 3" TO 5", AND AIR ENTRAINMENT BETWEEN 5% TO 6%. CONTRACTOR SHALL CONSTRUCT NEW PCC SIDEWALK IN CONFORMANCE WITH STANDARD SPECIFICATIONS.
- B. THE CONCRETE FLATWORK SHALL RECEIVE A MEDIUM BROOM TEXTURE FINISH AND SHALL BE CURED WITH WET BURLAP AND PLASTIC.
- C. CONSTRUCT NEW ADA SIDEWALK AND RAMPS ACCORDING TO THE DETAILS SHOWN ON THE PLANS. THE FINISH TEXTURE AND COLOR SHALL GENERALLY MATCH THE ADJACENT EXISTING PCC SLABS. WELDED WIRE MESH SHALL BE USED AS SHOWN IN THE DETAILS AND

SHALL BE DELIVERED TO THE JOB SITE AS FLAT SHEETS, NOT ROLLS. REINFORCEMENT AND DOWELS SHALL BE AS SHOWN ON THE DETAILS.

- D. CONTRACTION JOINTS SHALL BE SAWCUT INTO THE SLAB AS SHOWN ON THE DETAILS. THE JOINTS SHALL BE CUT AS SOON AS SAWING CAN BE PERFORMED WITHOUT RAVELING THE NEWLY PLACED CONCRETE. THE DEPTH OF CONTROL JOINTS SHALL BE AT LEAST 1/4 OF THE SLAB THICKNESS, SEAL JOINTS, PER THE DETAIL SHOWN ON THE PLANS.
- E. CAST-IN-PLACE CONCRETE SHALL CONFORM TO ACI 318 AND ACI 304R, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS.
- F. NOTIFY ENGINEER A MINIMUM OF 24 HOURS PRIOR TO COMMENCEMENT OF CONCRETING OPERATIONS.
- G. VERIFY THAT REINFORCEMENT ITEMS TO BE CAST INTO CONCRETE ARE ACCURATELY PLACED, HELD SECURELY, AND WILL NOT CAUSE HARDSHIP IN PLACING CONCRETE.
- H. REMOVE DEBRIS AND STANDING WATER FROM PLACEMENT AREA. DAMPEN ALL EARTH AND WOOD SURFACES AGAINST WHICH CONCRETE WILL BE PLACED. KEEP SURFACES MOIST UNTIL CONCRETE IS PLACED.
- I. DO NOT PLACE CONCRETE UNTIL ALL FORMWORK, REINFORCEMENT, AND EMBEDDED ITEMS ARE PROPERLY PLACED AND SECURED.
- J. PLACE CONCRETE IN NEAR HORIZONTAL LAYERS. USE SPREADING EQUIPMENT THAT PREVENTS SEGREGATION AND THAT PRODUCES LAYERS OF WIDTHS AND THICKNESS APPROPRIATE FOR PROPER CONSOLIDATION.
- K. USE DELIVERY AND PLACEMENT METHODS THAT DO NOT CAUSE SEGREGATION.
- L. DO NOT DISTURB REINFORCEMENT, INSERTS, EMBEDDED ITEMS, OR FORMED JOINTS. DO NOT BREAK OR INTERRUPT SUCCESSIVE PLACEMENTS SUCH THAT COLD JOINTS OCCUR.
- M. PREVENT DEBRIS OR OTHER OBJECTIONABLE MATERIAL FROM BECOMING EMBEDDED IN THE CONCRETE.
- N. DO NOT PLACE CONCRETE DURING HEAVY RAIN; DEFINED AS MORE THAN 0.3 INCH PER HOUR OR 0.03 INCH IN 6 MINUTES (AS DEFINED BY THE WEATHER BUREAU GLOSSARY OF METEOROLOGY), IF UNUSUAL ADVERSE WEATHER, SUCH AS HEAVY RAIN, SEVERE COLD OR HEAVY SNOW, OCCURS OR IS FORECAST TO OCCUR DURING PLACEMENT, AN INTERRUPTION IN PLACING OPERATIONS MAY BE APPROVED OR REQUIRED BY ENGINEER.
- O. FULLY CONSOLIDATE ALL PLACED CONCRETE MATERIALS PRIOR TO STOPPING WORK.
- P. FOLLOW AN APPROVED COLD WEATHER PLACEMENT PLAN WHEN THE AMBIENT AIR TEMPERATURE IS LESS THAN 40°F, OR IF THE AMBIENT AIR TEMPERATURE IS APPROACHING 40°F AND FALLING. DEVELOP COLD WEATHER PLACEMENT PLAN IN GENERAL CONFORMANCE TO ACI 306.1. DO NOT PLACE CONCRETE AGAINST FROZEN EARTH OR ICE, OR AGAINST FORMS OR REINFORCEMENT WITH FROST OR ICE PRESENT. MAINTAIN SURFACE TEMPERATURE OF CONCRETE ABOVE 40°F FOR MINIMUM OF 7 DAYS AFTER PLACEMENT IS COMPLETED.
- Q. DO NOT LOCALLY HEAT OR DRY CONCRETE WHEN USING HEATING UNITS TO MEET SPECIFICATION REQUIREMENTS. PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL DAMAGE.
- R. THE SIZE OF THE DOWELS AND REINFORCING STEEL SHALL BE AS INDICATED ON THE PROJECT DRAWINGS.
- S. REINFORCING STEEL: ASTM A615, 60 KSI YIELD GRADE BILLET STEEL DEFORMED BARS, PLAIN (UNCOATED).

PAVEMENT ELEVATIONS AND DRAINAGE:

- A. CONTRACTOR SHALL RECONSTRUCT PAVEMENT TO MATCH EXISTING/PROPOSED GRADES, UNLESS OTHERWISE INDICATED ON THE PLANS OR DETAILS. REMOVAL OF EXISTING PAVEMENT BY THE CONTRACTOR CONSTITUTES CONTRACTOR'S ACCEPTANCE THAT EXISTING PAVEMENT DOES PROPERLY AND POSITIVELY DRAIN. IF CONTRACTOR IS OF THE OPINION THAT EXISTING/PROPOSED GRADES ARE SUCH THAT A PAVEMENT AREA DOES NOT PROPERLY DRAIN, CONTRACTOR SHALL IMMEDIATELY NOTIFY GEI AND CITY OF NEGAUNEE, AND THE CONTRACTOR SHALL NOT PERFORM WORK UNTIL GEI AND CITY OF NEGAUNEE PROVIDES DIRECTION. CONTRACTOR SHALL PROVIDE EXISTING CONDITION AND ELEVATIONS FOR AREA OF CONCERN.
- B. CONTRACTOR SHALL CONSTRUCT NEW PAVEMENT TO PROPERLY AND POSITIVELY DRAIN, AND CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS. CONTRACTOR SHALL DETERMINE AND/OR FIELD-VERIFY EXISTING PAVEMENT ELEVATIONS AND DRAINAGE PATTERNS PRIOR TO CONSTRUCTION AS REQUIRED TO MAINTAIN EXISTING DRAINAGE PATTERNS AND TO PROVIDE FOR POSITIVE DRAINAGE.
- C. STANDING WATER ALONG THE NEW PAVEMENT MEASURED WITH A SIZE STANDING WATER AREA OF 2 FEET BY 2 FEET OR GREATER, IS PRESENT FOR 6 HOURS OR MORE DURING DAYLIGHT HOURS AND CONTAINS A WATER DEPTH OF ¼ INCH OR GREATER AT ANY LOCATION ALONG THE ENTIRE STANDING WATER AREA SHALL BE DEFINED AS PONDING. THE DEPTH OF THE STANDING WATER IS TO BE MEASURED BY PLACING A 10 FOOT STRAIGHTEDGE ACROSS THE STANDING WATER AREA AND MEASURING THE MAXIMUM DEPTH. STANDING WATER AREAS GREATER THEN 10 FEET ACROSS SHALL BE MEASURED BY DIRECT MEASUREMENT WHEN FILLED WITH WATER. ALL MEASURING TO DETERMINE PONDING SHALL BE PERFORMED BY THE GEI OR GEI'S SITE REPRESENTATIVE. PAVEMENT AREAS DETERMINED AS PONDING SHALL BE REPAIRED BY THE CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AT NO ADDITIONAL COST TO CITY OF NEGAUNEE.
- D. ACCESSIBLE ROUTES SHALL NOT EXCEED 2% CROSS SLOPE OR 5% RUNNING SLOPE.
- E. ACCESSIBLE RAMPS SHALL NOT EXCEED 2% CROSS SLOPE OR 8.3% RUNNING SLOPE WITH LANDINGS AT TOP AND BOTTOM NOT EXCEEDING 2% SLOPES IN EITHER DIRECTION.
- F. AREAS NOT CONSTRUCTED PER THE DESIGN, SPECIFICALLY WITH REGARDS TO THE ACCESSIBLE ROUTE IMPROVEMENT, SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY OF NEGAUNEE PER THE REPAIR METHOD APPROVED BY GEI AND CITY OF NEGAUNEE.

LANDSCAPE AREAS

- A. ALL LANDSCAPED AREAS AFFECTED BY THE CONSTRUCTION SHALL BE RESTORED TO THEIR PRE-EXISTING CONDITION UPON COMPLETION OF THE WORK AT NO ADDITIONAL COST TO THE OWNER.
- B. CONTRACTOR SHALL USE SCREENED TOP SOIL AND ENSURE ALL ROCKS ARE REMOVED BEFORE PLANTING GRASS SEED.
- C. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE INCLUDING WATERING, FERTILIZER, AND RE-SEEDING OR MULCHING (AS REQUIRED) UNTIL GRASS IS FULLY ESTABLISHED.

PROTECTION:

- A. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING EXISTING STRUCTURES OR LANDSCAPING. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT NO COST TO THE OWNER. ALL CONSTRUCTION MATERIAL SPILLS SHALL BE REMOVED AS WORK PROGRESSES AT NO COST TO THE OWNER.
- B. CONTRACTOR SHALL PROTECT ALL MATERIALS, IN-PROGRESS WORK, AND FINISHED WORK FROM DAMAGE.
- C. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION TO PREVENT PEDESTRIANS FROM ENTERING THE AREAS OF WORK.

QUALITY CONTROL

- A. CONTRACTOR IS SOLELY RESPONSIBLE FOR QUALITY CONTROL OF THE WORK. INSPECTION AND TESTING BY THE ENGINEER OR THE OWNER'S TESTING AGENCY ARE SOLELY AT THE DISCRETION OF THE OWNER, AND IN NO WAY RELIEVE THE CONTRACTOR OF SOLE RESPONSIBILITY FOR MAINTAINING A QUALITY CONTROL PROGRAM AND MEETING PROJECT SPECIFICATIONS.

- B. CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED, QUALIFIED, AND EXPERIENCED IN THE NECESSARY CRAFT AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- C. CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPERVISION, PLANNING, SCHEDULING, COORDINATION, INSPECTION, TESTING, AND CONTROL TO PERFORM THE WORK.

QUALITY ASSURANCE:

- A. CITY OF NEGAUNEE MAY EMPLOY AN INDEPENDENT TESTING CONSULTANT TO OBSERVE THE CONSTRUCTION AND TEST MATERIALS DURING THE WORK. CONTRACTOR SHALL NOTIFY TESTING CONSULTANT A MINIMUM OF 24 HOURS IN ADVANCE OF OPERATIONS REQUIRING TESTING CONSULTANT FIELD OBSERVATIONS AND TESTING.
- B. FIELD OBSERVATIONS AND TESTING MAY INCLUDE (BUT NOT BE LIMITED TO):
 1. REMOVAL OF SELECTED AREAS OF PCC SIDEWALK AND AGGREGATE BASE COURSE (AS REQUIRED) TO DESIGN SUBGRADE ELEVATIONS.
 2. RE-GRADING, MOISTURE CONDITIONING AND COMPACTION OF PREPARED SUBGRADE.
 3. PLACEMENT AND COMPACTION OF NEW AGGREGATE BASE COURSE IN RECONSTRUCTION AREAS.
 4. CONSTRUCTION OF NEW PCC ADA SIDEWALK.
 5. CONSTRUCTION OF NEW PCC ADA RAMP AND STAIRS WITH GALVANIZED STEEL HANDRAILS.
 6. GENERAL LANDSCAPING AND RESTORATION.

CLEANING:


- C. CONTRACTOR SHALL MAINTAIN AREAS FREE FROM ACCUMULATIONS OF WASTE, DEBRIS, AND RUBBISH CAUSED BY CONTRACTOR OPERATIONS.
- B. CONTRACTOR SHALL REMOVE ALL CONSTRUCTION RELATED DEBRIS FROM AREAS OUTSIDE THE LIMITS OF THE CONTRACTOR'S WORK AREA ON A DAILY BASIS.
- C. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL WASTE DEBRIS, SOIL AND RUBBISH AT DUMP AREAS OFF OWNER'S PROPERTY.

WARRANTY:

- A. THE OWNER SHALL BE PROVIDED WITH A TWO (2) YEAR MAINTENANCE FREE WARRANTY ON ALL MATERIALS AND WORKMANSHIP OF THE MATERIALS INSTALLED UNDER THIS CONTRACT. SPECIFICALLY, THE PAVEMENT SHALL BE FREE OF PONDING, RUTTING, SETTLING AND CRACKING DEFECTS. THE WARRANTY TIME SPAN SHALL BEGIN ON THE DATE THE OWNER INDICATES FINAL ACCEPTANCE OF THE PAVEMENT. THE WARRANTY SHALL BE EXECUTED BY THE CONTRACTOR AND SHALL BE SUBMITTED BEFORE OR WITH THE CONTRACTOR'S FINAL NOTICE OF COMPLETION.

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Attention:



If this scale bar does not measure 1" then drawing is not original scale.

| | |
|--------------------|-----------|
| <i>Designed:</i> | J. PAQUET |
| <i>Drawn:</i> | J. PAQUET |
| <i>Checked:</i> | J. ECKERT |
| <i>Approved:</i> | J. PAQUET |
| <i>P.E. No.:</i> | - |
| <i>GEI Project</i> | - |



CITY OF NEGAUNEE
319 W. CASE ST
NEGAUNEE, MI 49866

**LACOMBE FIELD
SIDEWALK
IMPROVEMENTS**

Project Location

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| 0 | 10/1/2020 | FOR BID | JWP |
| NO | DATE | ISSUE/REVISION | APP |

SHEET NAME

GENERAL NOTES

SHEET NO.

C-4

FOR BID