

**2024 Milford
Terrell Park Boat Launch**

DATE: February 2, 2024

TO: PROSPECTIVE BIDDERS

This addendum forms a part of the contract documents and specifications and modifies the original contract documents.

This is to certify that you are in receipt of the addendum. Please sign and return by fax or email (513.779.7852) to the attention of Jennifer Hubert (jennifer.hubert@kleingers.com).

Name	Company	Date

The following is a list of changes reflected in Addendum 1:

The Bid Opening Date is moved to Thursday, February 8, 2024 at 11:00 a.m.

Bid Book Changes

1. Added Specifications for Asphalt 321216
2. Attached Prevailing Wage Rate Sheets

Plan Edits

1. All sheets – Updated project name.
2. Sheet C100
 - a. Revised ramp detail 2/C100.
 - b. Modified the stairs to be stamped concrete per detail 3/C100
 - c. Modified the stair railing to be 1.5” diameter nylon rope.
 - d. Edited the Kayak ramp detail 5/C100 and Handrail detail 4/C100 to call them as visual detail.
 - e. Added grass paver detail.
3. Sheet C130
 - a. Reduced the limits of clearing and disturbance.
4. Sheet C140
 - a. Reduced the grass paver width and ramp width to 10’.
 - b. Edited the detail callout.
 - c. Added location plan key notes.
5. Sheet C150
 - a. Modified the grading limits
 - b. Added erosion control.
6. Sheet C161
 - a. Added Silt Fence Detail

Pre-bid Meeting Minutes and Sign-In Sheet – See attached

SECTION 321216 - ASPHALT PAVING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Special Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Hot-mix asphalt patching.
 - 2. Hot-mix asphalt paving.
 - 3. Hot-mix asphalt paving overlay.
 - 4. Asphalt surface treatments.
 - 5. Pavement-marking paint.
- B. Related Sections:
 - 1. Division 02 Section "Structure Demolition" for demolition, removal, and recycling of existing asphalt pavements, and for geotextiles that are not embedded within courses of asphalt paving.
 - 2. Division 31 Section "Earth Moving" for aggregate subbase and base courses and for aggregate pavement shoulders.
 - 3. Division 32 Sections for other paving installed as part of crosswalks in asphalt pavement areas.
 - 4. Division 32 Section "Concrete Paving Joint Sealants" for joint sealants and fillers at paving terminations.

1.3 DEFINITION

- A. Hot-Mix Asphalt Paving Terminology: Refer to ASTM D 8 for definitions of terms.

1.4 SUBMITTALS

- A. Material Certificates: For each paving material, from manufacturer, including recommended mix designs and application rates for all pavement and first coat and second coat sealants.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A paving-mix manufacturer registered with and approved by authorities having jurisdiction or the DOT of state in which Project is located.
- B. Testing Agency Qualifications: Qualified according to ASTM D 3666 for testing indicated.
- C. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of the Ohio Department of Transportation for asphalt paving work.

1. Measurement and payment provisions and safety program submittals included in standard DOT specifications do not apply to this section.

D. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to hot-mix asphalt paving including, but not limited to, the following:
 - a. Review proposed sources of paving materials, including capabilities and location of plant that will manufacture hot-mix asphalt.
 - b. Review condition of subgrade and preparatory work.
 - c. Review requirements for protecting paving work, including restriction of traffic during installation period and for remainder of construction period.
 - d. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver pavement-marking materials to Project site in original packages with seals unbroken and bearing manufacturer's labels containing brand name and type of material, date of manufacture, and directions for storage.
- B. Store pavement-marking materials in a clean, dry, protected location within temperature range required by manufacturer. Protect stored materials from direct sunlight.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if the following conditions are not met:
 1. Prime Coat: Comply with weather limitations as per the Ohio Department of Transportation Construction and Material Specifications.
 2. Tack Coat: Comply with weather limitations as per the Ohio Department of Transportation Construction and Material Specifications.
 3. Asphalt Base Course: Comply with weather limitations as per the Ohio Department of Transportation Construction and Material Specifications.
 4. Asphalt Surface Course: Comply with weather limitations as per the Ohio Department of Transportation Construction and Material Specifications.
 5. Seal Coat: Comply with weather limitations as per the Ohio Department of Transportation Construction and Material Specifications.
- B. Pavement-Marking Paint: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 40 deg F for oil-based materials, and 55 deg F for water-based materials, and not exceeding 95 deg F.

PART 2 - PRODUCTS

2.1 AGGREGATES

- A. General: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications as indicated on the plans.
- B. Mineral Filler: Aggregates (such as silica sand) must be washed, graded and free from dust, clay or other foreign contaminants. The aggregate must be angular and of medium grain fineness.

2.2 ASPHALT MATERIALS

- A. Asphalt Binder: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications as indicated on the plans.
- B. Asphalt Cement: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications as indicated on the plans.
- C. Prime Coat: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications.
- D. Tack Coat: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications as indicated on the plans.
- E. Water: Potable.
- F. Seal Coat: Use a concentrated coal tar emulsion pavement sealer that shall meet the composition and performance requirements of ASTM D5727.
- G. TARMAX R-100 admixture (or equivalent).
- H. Fiber-Reinforced Bituminous Membrane Surface Treatment: Use materials complying with the Ohio Department of Transportation Construction and Material Specifications and manufacturer's recommendations.
- I. Fibers: ODOT Type C Aramid complying with the Ohio Department of Transportation Construction and Material Specifications as indicated on the plans.

2.3 AUXILIARY MATERIALS

- A. Herbicide: Commercial chemical for weed control, registered by the EPA. Provide in granular, liquid, or wettable powder form.
- B. Paving Geotextile: As specified on plans.
- C. Joint Sealant: ASTM D 6690 or AASHTO M 324, Type II or III, hot-applied, single-component, polymer-modified bituminous sealant.
- D. Pavement-Marking Paint: Alkyd-resin type, lead and chromate free, ready mixed, complying with AASHTO M 248, Type N; colors complying with FS TT-P-1952.

1. Color: White, Yellow, & Blue.

2.4 MIXES

- A. Hot-Mix Asphalt: Use plant-mixed, hot-laid asphalt aggregate mixtures complying with the Ohio Department of Transportation Construction and Materials Specifications as indicated on the plans.
- B. Hot-Mix Asphalt with Fibers: Use plant-mixed, hot-laid asphalt aggregate mixtures complying with the Ohio Department of Transportation Construction and Materials Specifications as indicated on the plans. The application rate for the fibers shall be 3 oz./ sq. yd.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that subgrade is dry and in suitable condition to begin paving.
- B. Proof-roll subgrade below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.
 1. Proof rolling to be performed in presence of Architect or Construction Manager.
 2. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Architect, Construction Manager, or Geotechnical Engineer, and replace with compacted backfill or fill as directed.
- C. Proceed with paving only after unsatisfactory conditions have been corrected.
- D. Verify that utilities, traffic loop detectors, and other items requiring a cut and installation beneath the asphalt surface have been completed and that asphalt surface has been repaired flush with adjacent asphalt prior to beginning installation of asphalt.

3.2 PATCHING

- A. Hot-Mix Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches into adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove all soft or unsatisfactory material. Recompact subgrade and any existing unbound-aggregate base course to form new subgrade.
- B. Tack Coat: Apply uniformly to vertical surfaces abutting or projecting against new, hot-mix asphalt paving at a rate of 0.05 to 0.15 gal./sq. yd..
 1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.
- C. Patching: Partially fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact. Cover asphalt base course with compacted, hot-mix surface layer finished flush with adjacent surfaces.

3.3 REPAIRS

- A. Leveling Course: Install and compact leveling course consisting of hot-mix asphalt surface course to level sags and fill depressions deeper than 1 inch in existing pavements.
 - 1. Install leveling wedges in compacted lifts not exceeding 3 inches thick.
- B. Crack and Joint Filling: Remove existing joint filler material from cracks or joints to a depth of 1/2 inch.
 - 1. Clean cracks and joints in existing hot-mix asphalt pavement. Remove all sand and debris currently present within the pavement cracks.
 - 2. Use coal tar emulsion seal coat to seal cracks and joints less than 1/4 inch wide. Fill flush with surface of existing pavement and remove excess.
 - 3. Use hot-applied joint sealant to seal cracks and joints more than 1/4 inch wide. Fill flush with surface of existing pavement and remove excess.

3.4 SURFACE PREPARATION

- A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.
- B. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.
 - 1. Mix herbicide with prime coat if formulated by manufacturer for that purpose.
- C. Prime Coat: Apply uniformly over surface of compacted unbound-aggregate base course at a rate of 0.15 to 0.50 gal./sq. yd.. Apply enough material to penetrate and seal but not flood surface. Allow prime coat to cure.
 - 1. If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
 - 2. Protect primed substrate from damage until ready to receive paving.
- D. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.15 gal./sq. yd..
 - 1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
 - 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.5 HOT-MIX ASPHALT PLACING

- A. Asphalt shall be placed in accordance with the Ohio Department of Transportation Construction and Material Specifications and as indicated on the plans.
- B. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand to areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.

1. Place hot-mix asphalt base course in number of lifts and thicknesses indicated.
 2. Place hot-mix asphalt surface course in single lift.
 3. Spread mix at minimum temperatures as per the Ohio Department of Transportation Construction and Material Specifications.
 4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes unless otherwise indicated.
 5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
- C. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.
1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete a section of asphalt base course before placing asphalt surface course.
- D. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.6 JOINTS

- A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.
1. Clean contact surfaces and apply tack coat to joints.
 2. Offset longitudinal joints, in successive courses, a minimum of 6 inches.
 3. Offset transverse joints, in successive courses, a minimum of 24 inches.
 4. Construct transverse joints at each point where paver ends a day's work and resumes work at a subsequent time. Construct these joints Per ODOT standards.
 5. Compact joints as soon as hot-mix asphalt will bear roller weight without excessive displacement.
 6. Compact asphalt at joints to a density within 2 percent of specified course density.

3.7 COMPACTION

- A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers.
1. Complete compaction within temperature specifications as set in the Ohio Department of Transportation Construction and Materials Specifications.
- B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.
- C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:

1. Average Density: 96 percent of reference laboratory density according to ASTM D 6927, but not less than 94 percent nor greater than 100 percent.
- D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.
- E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.
- F. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh, hot-mix asphalt. Compact by rolling to specified density and surface smoothness.
- G. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- H. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.8 INSTALLATION TOLERANCES

- A. Pavement Thickness: Compact each course to produce the thickness indicated within the following tolerances:
 1. Base Course: Plus or minus 1/2 inch (total of all combined base courses).
 2. Surface Course: Plus 1/4 inch, no minus.
 3. Total Thickness: Where total thickness is of asphalt material is 3" or less, total pavement thickness is to be plus or minus 1/4 inch.
- B. Pavement Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:
 1. Base Course: 1/4 inch.
 2. Surface Course: 1/8 inch.
 3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch.

3.9 SURFACE TREATMENTS

- A. Seal Coat: Apply seal coat at manufacturer's recommended application rates to the existing asphalt.
 1. Address pavement repairs (crack filling) prior to applying the first application of seal coat.
 2. Mix the concentrated pavement sealer with water and mineral aggregate per manufacturer's recommended mix proportions to form a ready to use pavement coating.
 - a. Aggregates (such as silica sand) must be washed, graded and free from dust, clay or other foreign contaminants. The aggregate must be angular and of medium grain fineness.
 - b. Seal coat shall be applied in two separate applications. The first coat shall be applied using squeegee equipment, and the second coat shall be applied using spray equipment.
 3. Allow previous coat to dry so that it can withstand traffic without scuffing prior to applying the second application of seal coat.

- B. Fiber-Reinforced Bituminous Membrane Surface Treatment: Apply surface treatment per manufacturer's recommendations to the existing asphalt.
1. Address pavement repairs (crack filling) prior to applying the surface treatment.
 2. The asphalt emulsion shall be cationic type and shall meet a minimum of 60% elastic recovery at 10°C
 3. The asphalt emulsion application rate (gallons per square yard shall be 0.35-0.50 and the application temperature shall be 140°F. - 180°F.
 4. The glass fiber shall be E Class from an approved source determined by the license holder. The glass fiber spools shall be supplied internally wound, in coils or cheeses. Spools shall be cut in-place into 60mm, (2.38") lengths which are distributed uniformly across and between the two parallel applications of modified asphalt emulsion. The application rate for the glass fiber shall be 3 oz./ sq. yd.
 5. The aggregate shall be slag, gravel, or limestone, one hundred percent crushed, and shall conform to Ohio Department of Transportation Construction and Materials Specifications.
 6. Specified gradation by application type (percent by weight):

SIEVE SIZE

1/2"	100
3/8"	85-100
#4	5-70
#8	0-30
#200	0-2

Aggregate Application Rate
Lbs./Sq. Yd. 16-25

Fiber Application Rate
OZ./Sq. Yd. 3

7. Emulsion shall not be applied unless the atmospheric temperature is 50°F and rising nor when the temperature has been below 40°F in the preceding 12 hours. No bituminous material shall be applied while the surface is wet nor when impending weather conditions are such that proper curing may not be obtained.
8. The surface shall be thoroughly clean and dry when the bituminous material is applied. Material cleaned from the surface shall be removed and disposed of as directed by the engineer.
9. The liquid bituminous fiber applicator used shall be mounted on a bituminous distributor or trailer type design for applying the bituminous binder reinforced with glass fibers. The applicator shall comprise an open bottom spray bar housing, a fan or blower producing a down draft in the housing, and at least one spray bar mounted on the housing and adapted to extend transversely in the direction of movement of the vehicle.
10. A number of nozzles spaced longitudinally along the spray bar for spraying the bituminous material, means of controlling the nozzles, and a number of sources for dispensing the cut glass fibers through the open bottom housing to the surface of the bituminous material previously sprayed shall also be included.
11. The pressure distributor shall have a computerized rate control that automatically adjusts the distributor's pump to the ground speed. The distributor shall be capable of heating and re-circulating the bituminous binder to the specified temperature. The proper nozzles shall be used for the material and rate specified. There shall be two separate spray bars, one in front of the fiber applicator housing and one following. The fiber cutter and distributor shall be an integrated unit. The bituminous fiber applicator shall be calibrated and capable of applying at controlled rates.

12. Immediately following the application of the cover material the treated surface shall be completely rolled. At no time shall the rollers lag more than 500' behind aggregate spreader. The entire treated surface shall receive a minimum of two roller passes.
13. A minimum of one roller pass shall be completed using pneumatic tire type, meeting the minimum requirements. All ballasting shall conform to manufacturer's specifications.
14. Aggregate spreader shall be self-propelled and shall be equipped with hoppers, revolving cylinders and adjustments necessary to produce a uniform distribution of particles at the specified rate. Immediately following the application of the bituminous material, cover aggregate shall be applied uniformly without ridges or laps at the specified rate adjusted as directed by the engineers to produce a minimum of excess loose particles. Deficiencies in the application of cover aggregate shall be corrected prior to rolling.

3.10 PAVEMENT MARKING

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.
- B. Allow paving to age per manufacturers recommendations before starting pavement marking.
- C. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils.

3.11 FIELD QUALITY CONTROL

- A. Testing Agency: Owner is to engage a qualified testing agency to perform tests and inspections.
- B. Thickness: In-place compacted thickness of hot-mix asphalt courses will be determined according to ASTM D 3549.
- C. Surface Smoothness: Finished surface of each hot-mix asphalt course will be tested for compliance with smoothness tolerances.
- D. In-Place Density: Testing agency will take samples of uncompacted paving mixtures and compacted pavement according to ASTM D 979.
 1. Reference maximum theoretical density will be determined by averaging results from four samples of hot-mix asphalt-paving mixture delivered daily to site, prepared according to ASTM D 2041, and compacted according to job-mix specifications.
 2. In-place density of compacted pavement will be determined by testing core samples according to ASTM D 1188 or ASTM D 2726.
 - a. One core sample will be taken for every 1000 sq. yd. or less of installed pavement, with no fewer than 3 cores taken.
 - b. Field density of in-place compacted pavement may also be determined by nuclear method according to ASTM D 2950 and correlated with ASTM D 1188 or ASTM D 2726.
- E. Replace and compact hot-mix asphalt where core tests were taken.

- F. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

3.12 DISPOSAL

- A. Except for material indicated to be recycled, remove excavated materials from Project site and legally dispose of them in an EPA-approved landfill.
 - 1. Do not allow milled materials to accumulate on-site.

END OF SECTION 321216

JIM TERRELL PARK KAYAK LAUNCH

LONGWORTH STREET

MILFORD, OHIO 45174



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 WEST CHESTER, OH 45069
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OWNER/ APPLICANT :
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 745 CENTER STREET, SUITE 200
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VICINITY MAP
N.T.S

SHEET INDEX

PAGE	TITLE
CIVIL DRAWINGS	
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C100	GENERAL NOTES & DETAILS
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C161	EROSION CONTROL NOTES & DETAILS

NO.	DATE	DESCRIPTION
1	01/17/24	BID AND PERMIT SET
2	02/02/24	ADDENDUM 001

**JIM TERRELL
 PARK KAYAK
 LAUNCH**
 CITY OF MILFORD
 HAMILTON COUNTY, OHIO

PROJECT NO: **140180.057**
 DATE: **02/02/2024**
 SCALE:

TITLE SHEET

G100



NOTE:
 UNDERGROUND UTILITIES ARE PLOTTED FROM A
 COMPILATION OF AVAILABLE RECORD INFORMATION AND
 SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
 MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
 EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES
 CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY
 PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY
 PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

GENERAL NOTES

- CITY OF MILFORD, AND THE CURRENT EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOT CMS), INCLUDING ALL SUPPLEMENTS, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THIS PLAN. IGNORE REFERENCES TO MEASUREMENT AND PAYMENT IN THE ODOT CMS UNLESS NOTED OTHERWISE. IN THE CASE OF CONFLICTS BETWEEN THE ODOT CMS AND CITY OF MILFORD REQUIREMENTS, CITY OF MILFORD REQUIREMENTS SHALL PREVAIL.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES WHO ARE NON-MEMBERS OF THE OHIO UTILITIES PROTECTION SERVICE AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE OHIO EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
- THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FULLY INFORM THEMSELVES CONCERNING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THEM FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE CONTRACT.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR EXPENSES INCURRED DUE TO SOIL CONDITIONS, GROUNDWATER, AND/OR ROCK EXCAVATION. ALL OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE COST OF ALL DEWATERING REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE DIRECT OR INDIRECT DISCHARGE OR PUMPING OF UNFILTERED SEDIMENT-LADEN WATER INTO THE STORM DRAINAGE SYSTEM OR WATERCOURSE IS ILLEGAL AND PROHIBITED.
- ANY WELL, WELL POINT, PIT, OR OTHER DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUND WATER TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN AS DIRECTED BY THE DIRECTOR OF PUBLIC UTILITIES OR HIS REPRESENTATIVE.
- ANY CONTRACTOR INSTALLING ANY WELL, WELL POINT, PIT, OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUND WATER FROM AN AQUIFER SHALL COMPLETE AND FILE A WELL LOG AND DRILLING REPORT FORM WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), DIVISION OF WATER, WITHIN 30 DAYS OF THE WELL COMPLETION IN ACCORDANCE WITH THE OHIO REVISED CODE SECTION 1521.01 AND 1521.05. IN ADDITION, ANY SUCH FACILITY IS COMPLETED IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. FOR COPIES OF THE NECESSARY WELL LOG, DRILLING REPORT, OR REGISTRATION FORMS, PLEASE CONTACT: DIVISION OF WATER, OHIO DEPARTMENT OF NATURAL RESOURCES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224, (614)2656717.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO THE ODNR FOR THE REGISTRY, MAINTENANCE AND ABANDONMENT OF ANY WITHDRAWAL DEVICE USED IN CONSTRUCTION OF THIS PROJECT.
- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
- ALL SITE SIGNAGE, STRIPING COLOR AND WIDTH SHALL BE PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ALL EXISTING PAVEMENTS, WALKS, CURBS, ETC. SHALL BE SAWCUT BEFORE REMOVAL. IF, DURING CONSTRUCTION, THE PAVEMENT, WALKWAY, CURB, ETC. IS DAMAGED BEYOND THE ORIGINAL SAWCUT, THE DAMAGED AREA SHALL BE RE-CUT TO NEAT LINES AS DIRECTED BY THE ENGINEER. PAYMENT FOR SAWCUTTING SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT TO PROVIDE A SMOOTH VERTICAL FULL DEPTH BUTT JOINT BETWEEN THE EXISTING PAVEMENT OR CURB AND THE PROPOSED PAVEMENT. CONTRACTOR SHALL LOCATE SOUND PAVEMENT EDGE AND CUT AND TRIM PAVEMENT TO A NEAT LINE. INCLUDE THE COST OF PAVEMENT REMOVAL AND DISPOSAL IN THE PRICE BID FOR THE PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR STAKING AND LAYOUT

GRADING NOTES

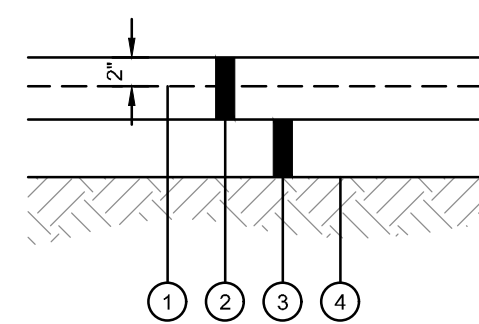
- CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
- ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR BURY/BORROW PITS AS NEEDED TO BALANCE THE SITE. GEOTECH AND ENGINEER MUST APPROVE AREAS PRIOR TO BURY/BORROW OPERATIONS. AS-BUILT OF BURY/BORROW PIT WILL BE REQUIRED AT COMPLETION OF CONTRACTOR WORK AND MUST BE SUBMITTED TO THE CONSTRUCTION MANAGER.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY CITY OF MILFORD AND THE OHIO EPA.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE ODOT ITEM 659.
- CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY.

UTILITY NOTES

- ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. THE DRAIN TILE AND/OR STORM SEWER SHALL BE CONNECTED TO THE CURB SUBDRAIN, STORM SEWER SYSTEM OR OUTLETTED INTO THE ROADWAY DITCH AS APPLICABLE. REPLACED DRAIN TILE/STORM SEWER SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE PROJECT.
- ALL EXISTING UTILITIES KNOWN TO EXIST HAVE BEEN SHOWN ON THESE PLANS IN THEIR APPROXIMATE LOCATION. PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE UTILITIES SHOWN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE PROTECTION AND/OR RELOCATION OF ANY UTILITIES THAT MAY EXIST AND ARE NOT SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.
- CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.
- ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFFSITE AREA MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
- THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

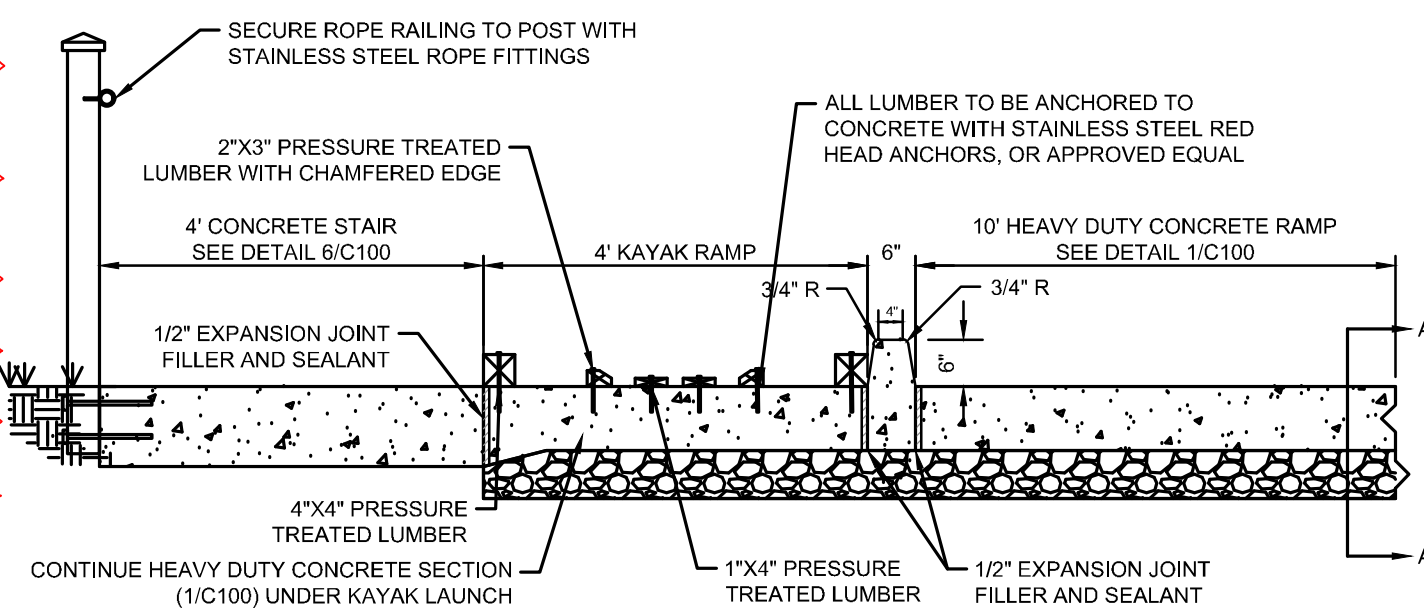
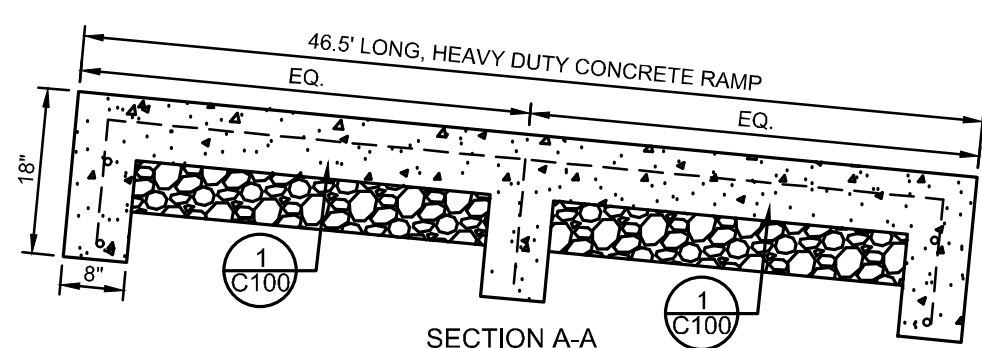


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- 6X6 W4X4 WELDED WIRE REINFORCEMENT
- 8" ODOT ITEM 451 REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, BUFF COLORED
- 6" ODOT ITEM 304 AGGREGATE BASE
- SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

HEAVY DUTY CONCRETE PAVEMENT DETAIL
N.T.S.



- NOTE:**
A. STAIRS TO BE STAMPED CONCRETE WITH SLATE PATTERN AND BUFF COLORED
B. CONCRETE RAMP TO BE BUFF COLORED WITH BROOM FINISH

RAMP DETAIL
N.T.S.



NOTE:
PHOTO IS FOR VISUAL PURPOSES ONLY. STAIRS TO BE STAMPED CONCRETE WITH SLATE PATTERN AND BUFF COLORED. REFER TO DETAIL 6/C100 FOR CONSTRUCTION

STAIRS VISUAL REFERENCE
N.T.S.



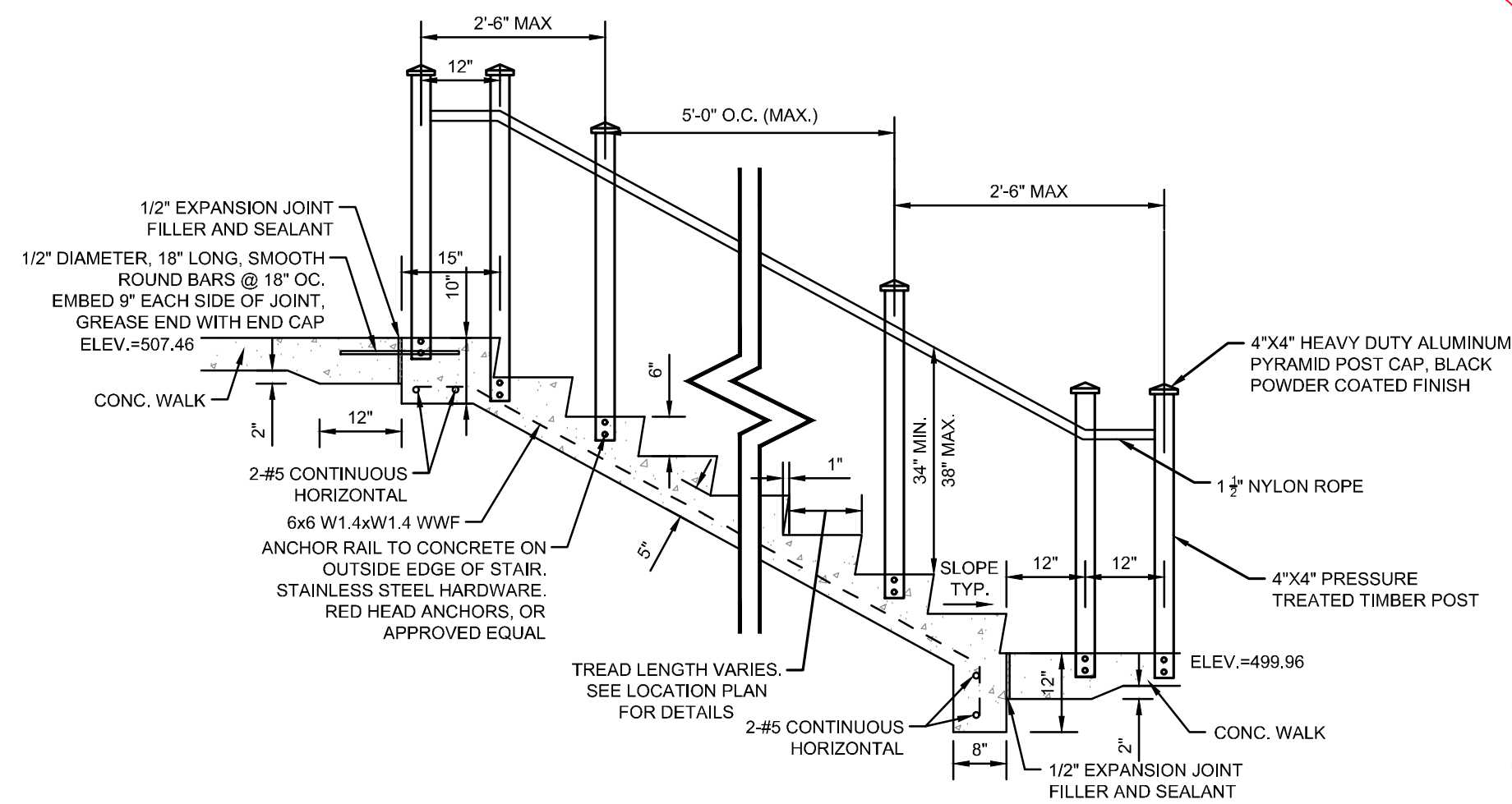
NOTE:
PHOTO IS FOR VISUAL PURPOSES ONLY. REFER TO DETAIL 6/C100 FOR CONSTRUCTION

HANDRAIL VISUAL REFERENCE
N.T.S.



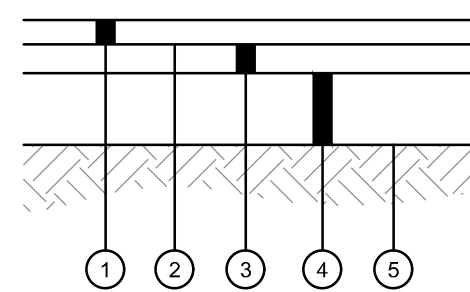
NOTE:
PHOTO IS FOR VISUAL PURPOSES ONLY. REFER TO DETAIL 2/C100 FOR CONSTRUCTION

KAYAK RAMP VISUAL REFERENCE
N.T.S.



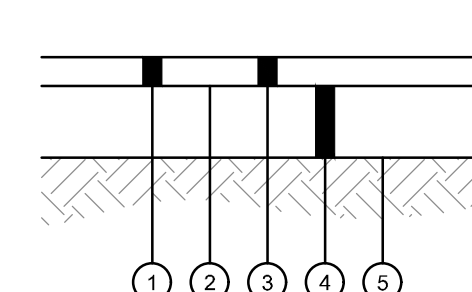
- NOTE:**
A. STAIRS TO BE STAMPED CONCRETE WITH SLATE PATTERN AND BUFF COLORED
B. CONTRACTOR SHALL INSTALL HANDRAIL PER DETAIL AND MODIFY OVERALL LENGTH AS NECESSARY PER NUMBER OF STAIR RISERS SHOWN ON PLAN.

EXTERIOR STAIR DETAIL
N.T.S.



- 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
- ODOT ITEM 407 TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
- 2" ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-22
- 8" ODOT ITEM 304 AGGREGATE BASE
- SUBGRADE COMPACTION, REFERENCE ODOT ITEM 204, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

STANDARD DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



- 1 1/2" ODOT ITEM 254 PAVEMENT PLANING, ASPHALT CONCRETE
- ODOT ITEM 407 TACK COAT
- 1 1/2" ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22
- EXISTING PAVEMENT SECTION
- EXISTING SUBGRADE

ASPHALT PAVEMENT PLANING AND OVERLAY DETAIL
N.T.S.

NDS
We put water in its place

STOCK ROLL SIZES: 3'0" X 5'0" (95' LF)
3'0" X 12'0" (360' LF)
4'0" X 12'0" (480' LF)
2' X 12'0" (240' LF)

EZ ROLL GRASS PAVERS
PRODUCT DESCRIPTION
CUSTOM SIZES AVAILABLE UPON REQUEST: 3'0" X 5'0" (95' LF)
NESTED HONEYCOMB CELL 57.86 PFS
LAYOUT COMPENSATION: 4020
STRENGTH (OPEN CELL NO FILL) EXCEEDED 400 LBS/INCH

GRASS SEED OR SOIL: TYPE TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS

SOIL INFILL: TYPE TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS
ARCHITECT: THE COMPOSITION OF THE MATERIAL WILL BE BASED ON LOCAL CONDITIONS AND DETERMINED BY THE LANDSCAPE ARCHITECT OR AS SPECIFIED IN THE CONTRACT DOCUMENTS

INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
1. DO NOT SCALE DRAWINGS
2. THE DRAWINGS ARE INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY
3. ALL INFORMATION CONTAINED HEREIN WAS GATHERED AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE
REVISION DATE: 6-24-2015

THE KLEINGERS GROUP

CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE

www.kleingers.com
6219 Castro Park Dr. West Chester, OH 45069
513.779.7851

SEAL:

NO.	DATE	DESCRIPTION
1	01/17/24	BID AND PERMIT SET
2	02/02/24	ADDENDUM 001

**JIM TERRELL
PARK KAYAK
LAUNCH**
CITY OF MILFORD
HAMILTON COUNTY, OHIO

PROJECT NO: 140180.057
DATE: 02/02/2024
SCALE:

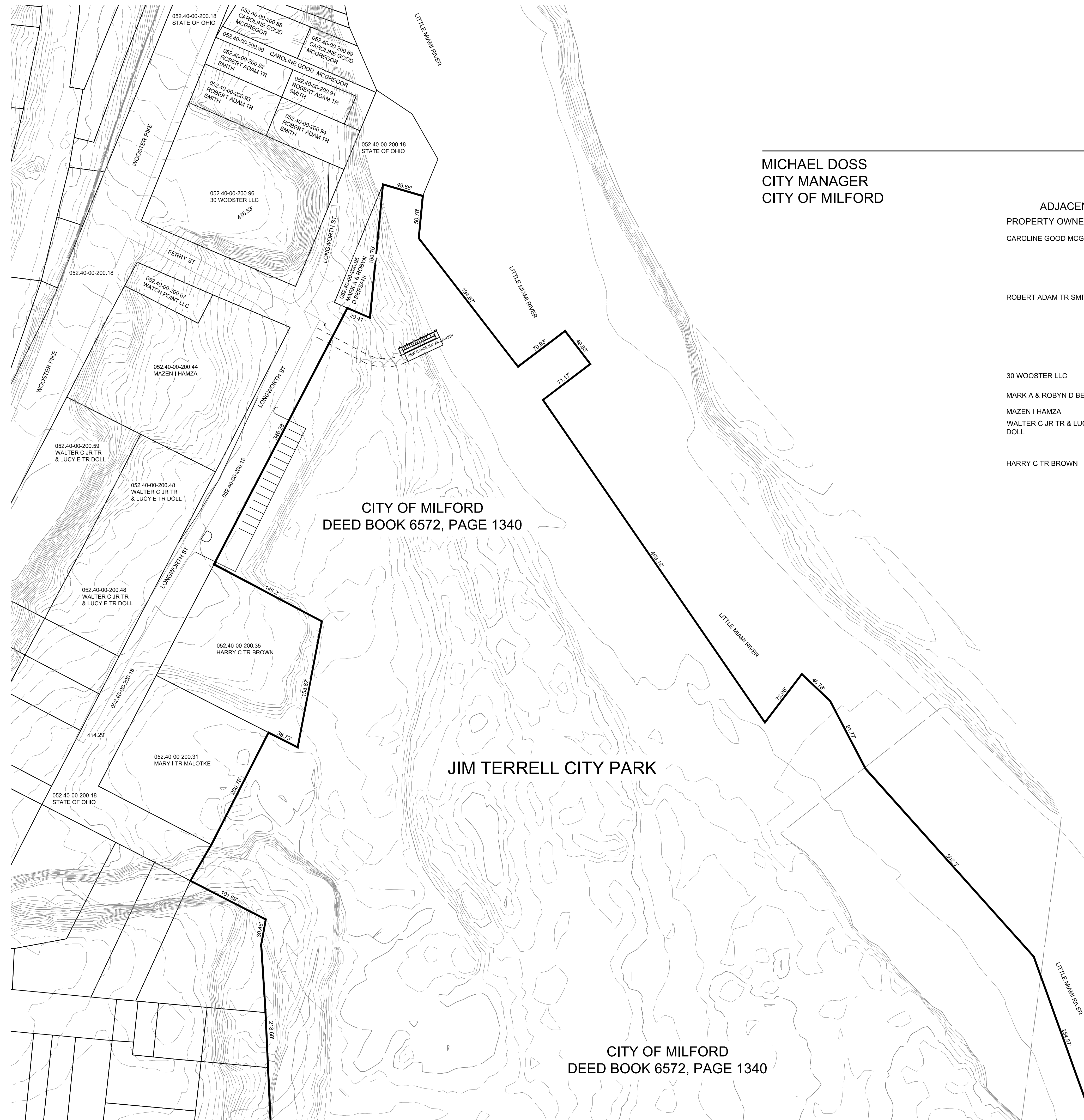
NOT TO SCALE

GENERAL NOTES & DETAILS

SHEET NO:
C100



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PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



MICHAEL DOSS
CITY MANAGER
CITY OF MILFORD

DATE

ADJACENT PROPERTIES	
PROPERTY OWNER	PARCEL NUMBER
CAROLINE GOOD MCGREGOR	052.40-00-200.88
	052.40-00-200.89
	052.40-00-200.90
	052.40-00-200.92
ROBERT ADAM TR SMITH	052.40-00-200.91
	052.40-00-200.93
	052.40-00-200.94
	052.40-00-200.96
30 WOOSTER LLC	052.40-00-200.96
MARK A & ROBYN D BERSANI	052.40-00-200.95
MAZEN I HAMZA	052.40-00-200.44
WALTER C JR TR & LUCY E TR DOLL	052.40-00-200.59
	052.40-00-200.48
HARRY C TR BROWN	052.40-00-200.35

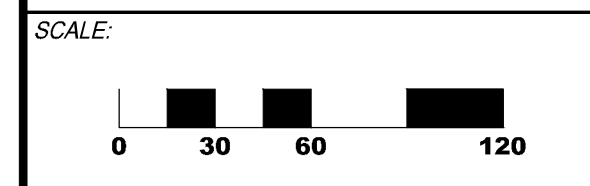
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
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6219 Centre Park Dr. West Chester, OH 45069
513.779.7851

SEAL:

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**JIM TERRELL
PARK KAYAK
LAUNCH**
CITY OF MILFORD
HAMILTON COUNTY, OHIO

PROJECT NO: 140180.057
DATE: 02/02/2024



SHEET NAME:
BOUNDARY MAP

SHEET NO:
C110





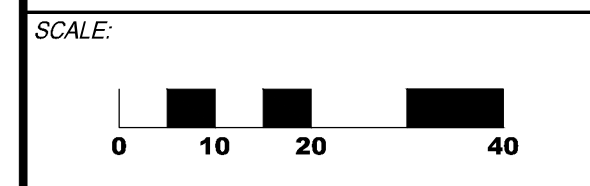
VICINITY MAP
N.T.S



NO.	DATE	DESCRIPTION
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2	02/02/24	ADDENDUM 001

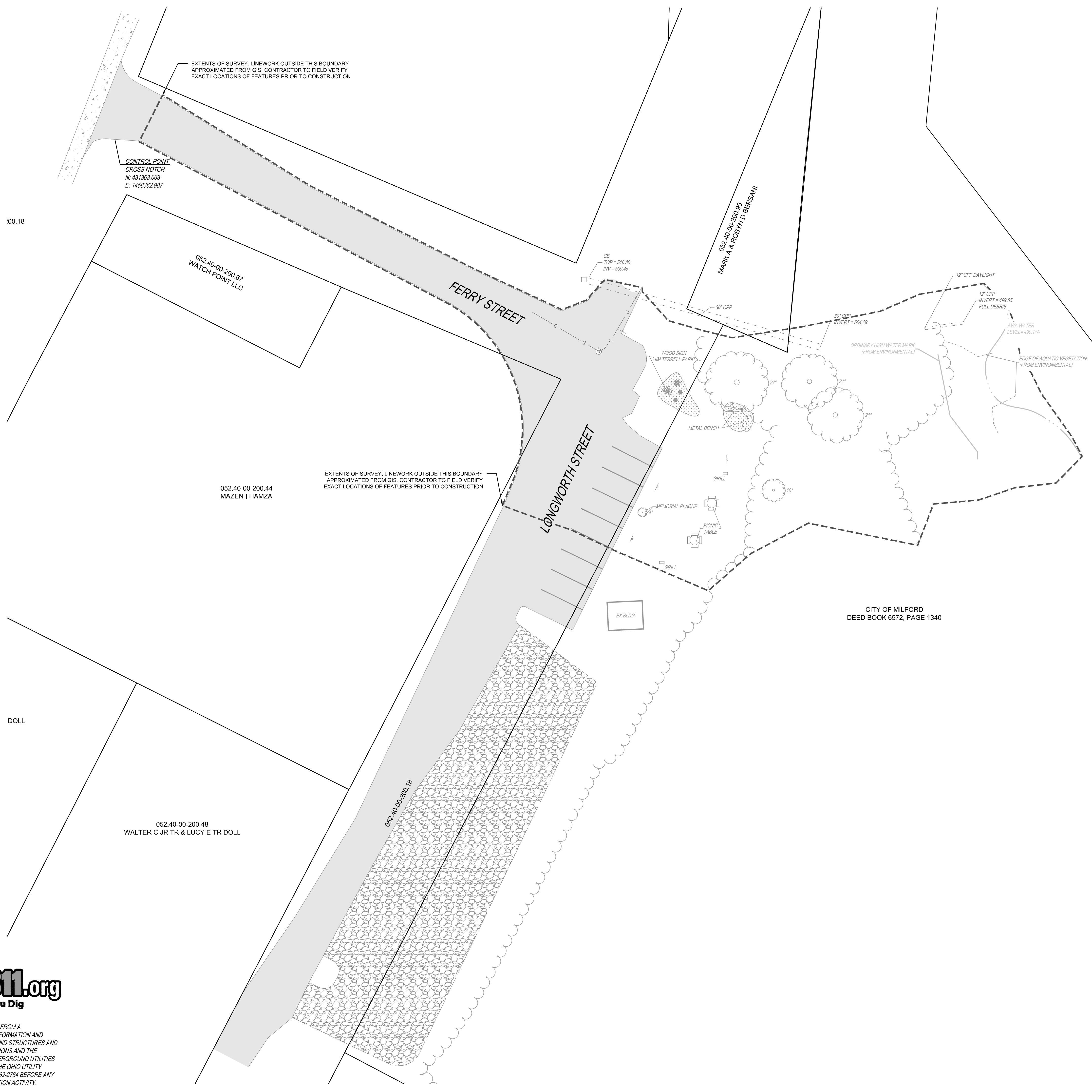
JIM TERRELL PARK KAYAK LAUNCH
 CITY OF MILFORD
 HAMILTON COUNTY, OHIO

PROJECT NO: **140180.057**
 DATE: **02/02/2024**



SHEET NAME:
SURVEY BASEMAP

SHEET NO:
C120




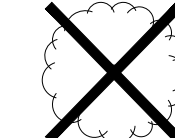
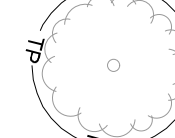
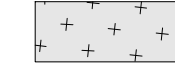



- LEGEND**
- BENCHMARK
 - CATCH BASIN
 - GAS VALVE
 - SINGLE POST SIGN
 - TREE LINE
 - GAS LINE
 - STORM SEWER
 - DECIDUOUS TREE
 - EVERGREEN TREE
 - BUSH
 - ASPHALT
 - LANDSCAPE

- NOTES:**
- BEARINGS ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AS DERIVED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATIONING (VRS), (NAD 83 - 2011)
 - PROJECT COORDINATES ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM
 - ELEVATIONS ARE BASED ON NGVD 29, AS REFERENCED TO NGS MONUMENT NO. JZ2776. ELEVATION = 530.93
 - SITE BENCHMARK AS SHOWN HEREON.



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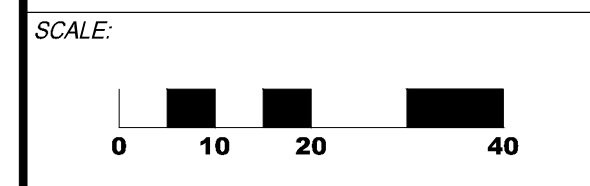
- DEMOLITION LEGEND**
-  CLEAR TREELINE TO EXTENTS SHOWN
 -  REMOVE TREE
 -  TREE PROTECTION PER DETAIL 2/C161
 -  MILL AND OVERLAY EXISTING ASPHALT PER DETAIL 8/C100
 -  REMOVE ASPHALT PAVEMENT
 -  REMOVE GRAVEL
 -  SAWCUT LINE
- DEMOLITION KEY NOTES**
- ① REMOVE, SALVAGE AND RELOCATE SIGN
 - ② REMOVE LANDSCAPING TO EXTENTS SHOWN
- DEMOLITION PLAN NOTES**
- A. ALL BOLD ITEMS TO BE REMOVED

SEAL:

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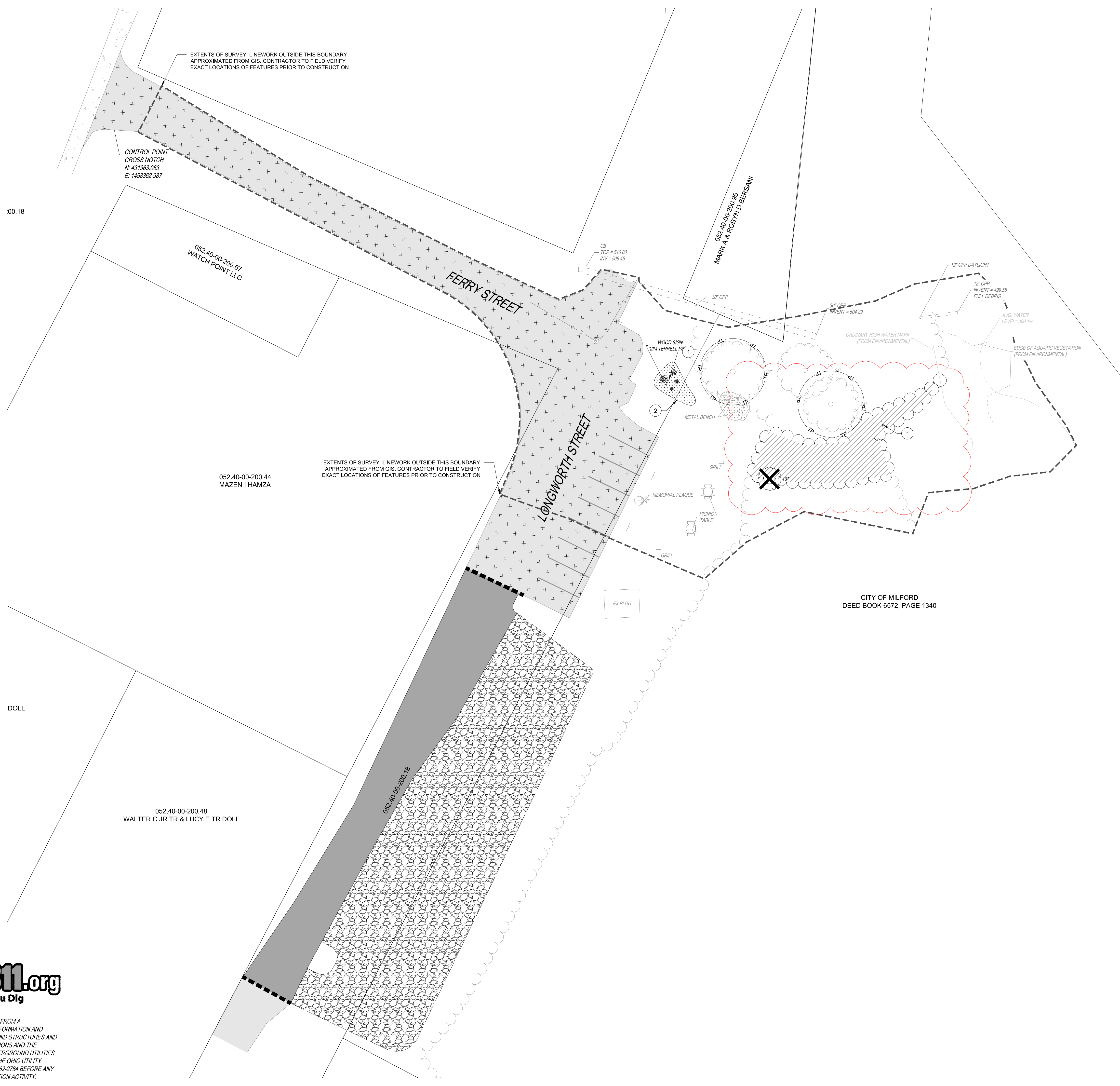
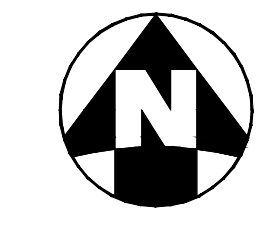
**JIM TERRELL
 PARK KAYAK
 LAUNCH**
 CITY OF MILFORD
 HAMILTON COUNTY, OHIO

PROJECT NO: **140180,057**
 DATE: **02/02/2024**



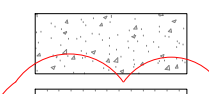
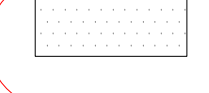
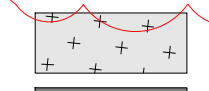

SHEET NAME:
DEMOLITION PLAN

SHEET NO:
C130



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PROPOSED LEGEND

-  HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 1/C100
-  GRASS PAVERS (ALTERNATE #2), NDS EZ ROLL GRASS PAVER, OR APPROVED EQUAL. SEE DETAIL X/C100
-  MILL AND OVERLAY EXISTING ASPHALT PER DETAIL 8/C100
-  STANDARD DUTY ASPHALT PAVEMENT PER DETAIL 7/C100 (ALTERNATE #1)

LOCATION PLAN KEY NOTES

- 1 CURB PER DETAIL 2/C100
- 2 KAYAK RAMP PER DETAIL 2/C100. SEE 5/C100 FOR VISUAL REFERENCE.
- 3 STAIRS PER DETAIL 6/C100. SEE 3/C100 FOR VISUAL REFERENCE. CONCRETE TO BE COLORED BUFF WITH SLATE STAMPED FINISH AND FORMED FACE.
- 4 HANDRAIL PER DETAIL 6/C100. SEE 4/C100 FOR VISUAL REFERENCE
- 5 RELOCATED SIGN. CONFIRM EXACT LOCATION WITH CITY OF MILFORD BEFORE INSTALLING.
- 6 BOAT RAMP TO BE BUFF COLORED WITH BROOM FINISH

LOCATION PLAN GENERAL NOTES

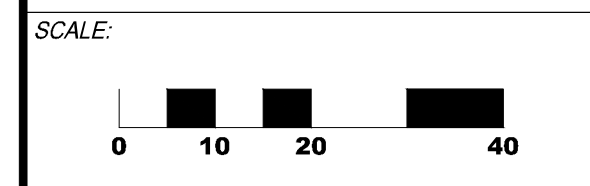
1. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF CURB UNLESS OTHERWISE NOTED
2. ALL STANDARD PARKING SPACES ARE TO BE 9.5' X 19' UNLESS OTHERWISE NOTES
3. PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN
4. ALL RADII TO BE 4' UNLESS OTHERWISE NOTED

SEAL:

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2	02/02/24	ADDENDUM 001

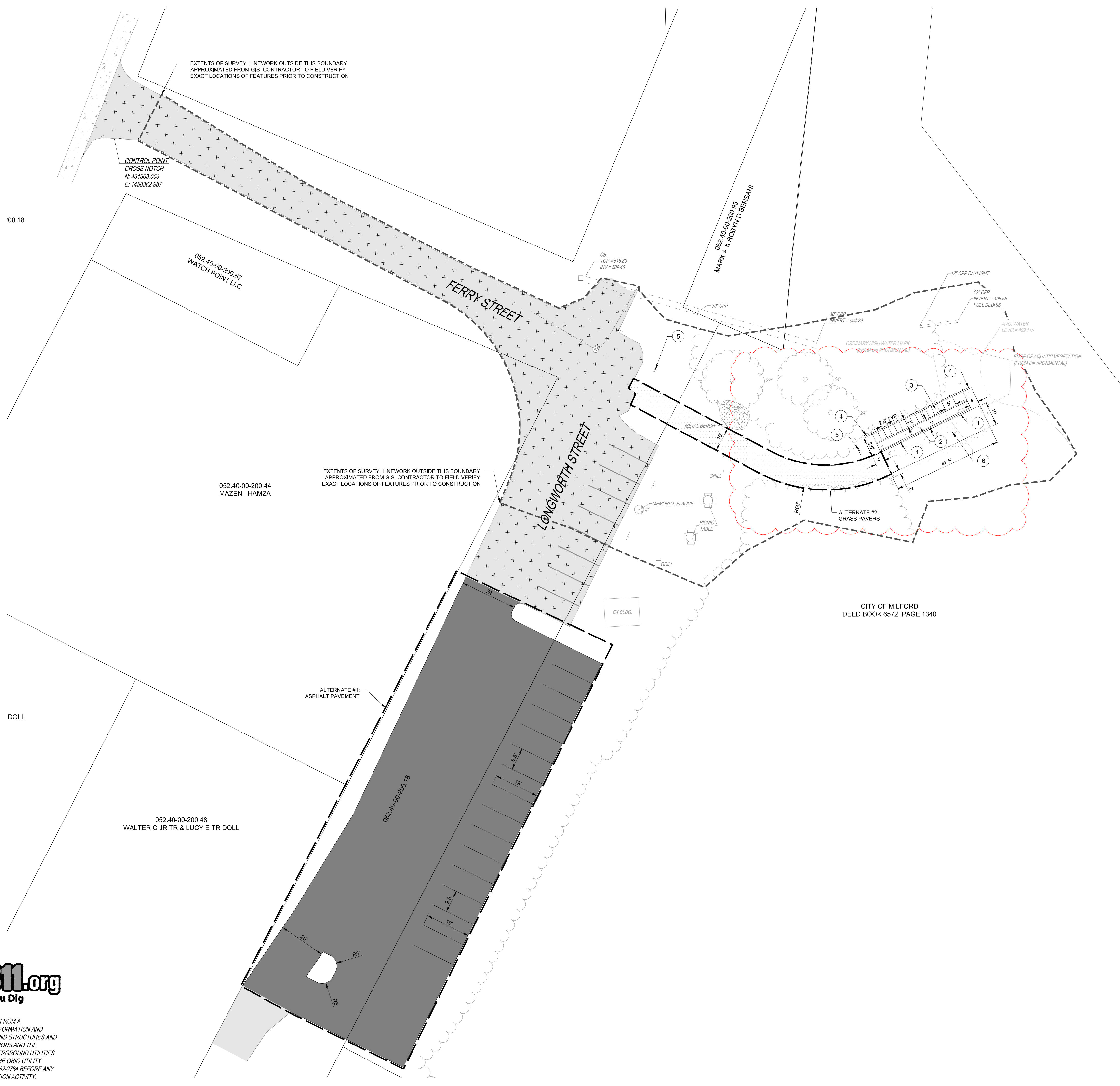
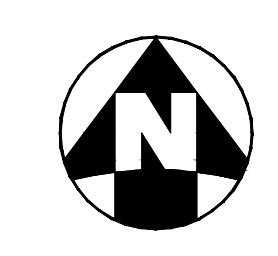
**JIM TERRELL
 PARK KAYAK
 LAUNCH
 CITY OF MILFORD
 HAMILTON COUNTY, OHIO**

PROJECT NO: **140180_057**
 DATE: **02/02/2024**



SHEET NAME:
LOCATION PLAN

SHEET NO.
C140



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SEAL:

**JIM TERRELL
PARK KAYAK
LAUNCH**
CITY OF MILFORD
HAMILTON COUNTY, OHIO

PROJECT NO: **140180,057**
DATE: **02/02/2024**
SCALE:

SHEET NAME:
GRADING PLAN
SHEET NO.
C150

GRADING LEGEND

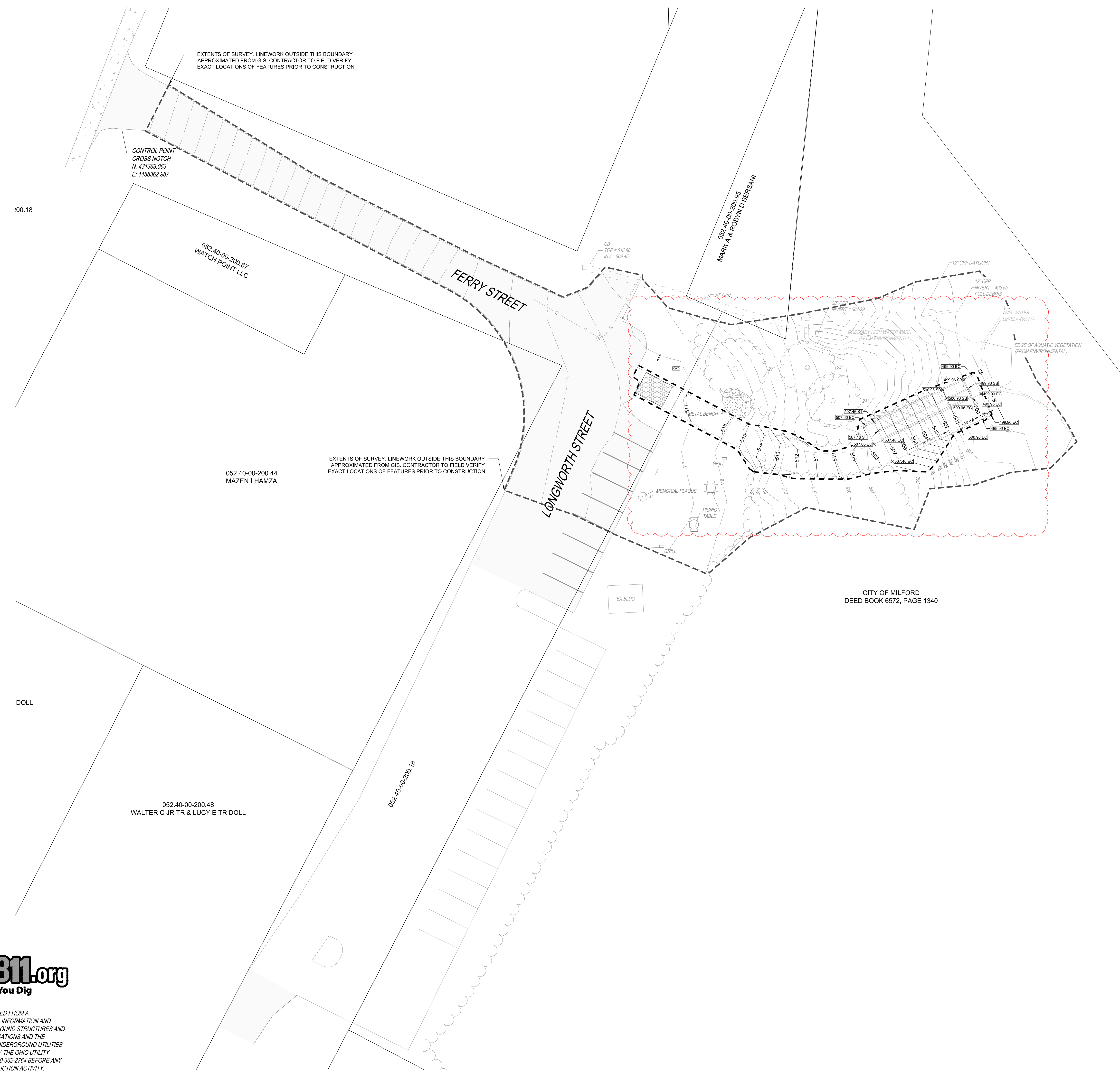
- 1215 — EXISTING MAJOR CONTOUR
- 1216 — EXISTING MINOR CONTOUR
- 1215 — PROPOSED MAJOR CONTOUR
- 1216 — PROPOSED MINOR CONTOUR
- x 1215.00 PROPOSED SPOT ELEVATION

SPOT ELEVATION LEGEND

- x 1215.00 FINISHED GRADE ELEVATION
- x 1215.00 EC EDGE OF CONCRETE ELEVATION
- x 1215.00 SB BOTTOM OF STAIR ELEVATION
- x 1215.00 ST TOP OF STAIR ELEVATION

PROPOSED EROSION CONTROL LEGEND

- [CWO] CONCRETE WASHOUT PER DETAIL 1/C161
- [CE] CONSTRUCTION ENTRANCE PER DETAIL 3/C161
- [SF] SILT FENCE PER DETAIL 4/C161
- LIMITS OF DISTURBANCE



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SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

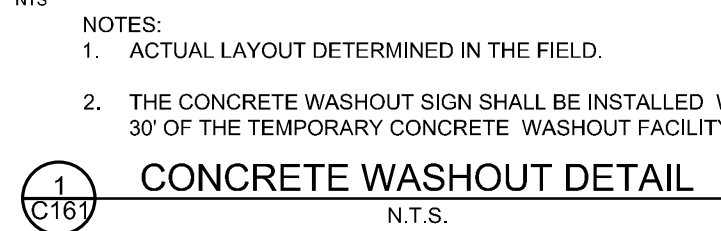
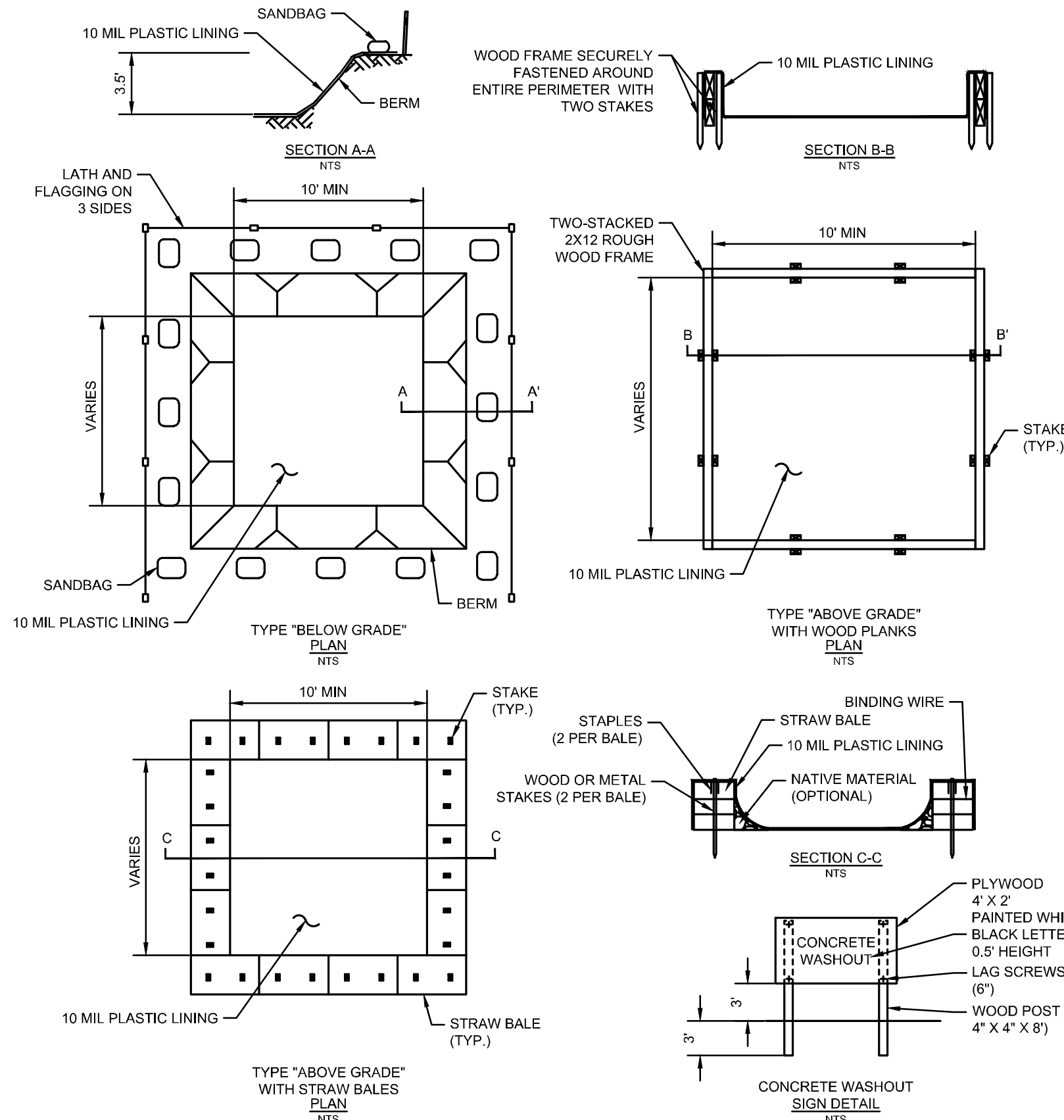
HAZARDOUS PRODUCTS:

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.



PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

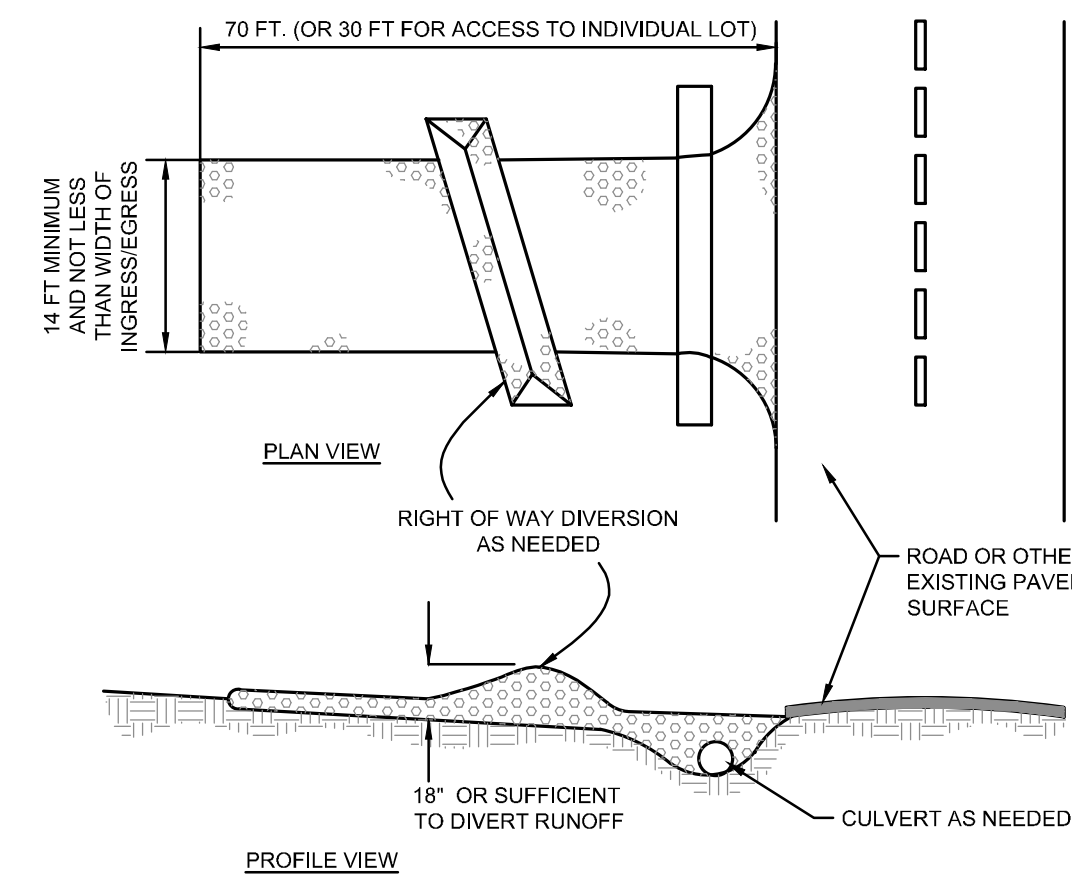
PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER/WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.

- NOTES:
1. PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK. SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE. EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
 2. SIGNAGE SHALL CLEARLY IDENTIFY THE TREE AND NATURAL PRESERVATION AREA AND STATE THAT NO CLEARING OR EQUIPMENT IS ALLOWED WITHIN IT.
 3. TREE AND NATURAL PRESERVATION AREA SHALL BE FENCED PRIOR TO BEGINNING CLEARING OPERATIONS.
 4. FENCE MATERIALS SHALL BE METAL FENCE POSTS WITH SNOW FENCE.
 5. FENCE SHALL BE PLACED AS SHOWN ON PLANS AND BEYOND THE DRIP LINE OR CANOPY OF TREES TO BE PROTECTED.
 6. IF ANY CLEARING IS DONE AROUND SPECIMEN TREES IT SHALL BE DONE BY CUTTING AT GROUND LEVEL WITH HAND HELD TOOLS AND SHALL NOT BE GRUBBED OR PULLED OUT. NO CLEARING SHALL BE DONE IN BUFFER STRIPS OR OTHER PRESERVED FORESTED AREAS.
 7. NO FILLING OR STOCKPILING OF MATERIALS SHALL OCCUR WITHIN THE TREE PROTECTION AREA, INCLUDING DEPOSITION OF SEDIMENT.
 8. WHERE UTILITIES MUST RUN THROUGH A TREE'S DRIP LINE, TUNNELING SHOULD BE USED TO MINIMIZE ROOT DAMAGE. TUNNELING SHOULD BE AT A MINIMUM DEPTH OF 24 INCHES FOR TREES LESS THAN 12 INCHES IN DIAMETER OR AT A MINIMUM DEPTH OF 36 INCHES FOR LARGER DIAMETER TREES.
 9. WHERE TUNNELING WILL BE PERFORMED WITHIN THE DRIP LINE OF A TREE, THE TUNNEL SHOULD BE PLACED A MINIMUM OF 2 FEET AWAY FROM THE TREE TRUNK TO AVOID TAPROOTS.
 10. MINIMIZE EXCAVATION OR TRENCHING WITHIN THE DRIP LINE OF THE TREE. ROUTE TRENCHES AROUND THE DRIP LINE OF TREES.
 11. ROOTS 2 INCHES OR LARGER THAT ARE SEVERED BY TRENCHING SHOULD BE SAWN OFF NEATLY IN ORDER TO ENCOURAGE NEW GROWTH AND DISCOURAGE DECAY.
 12. SOIL EXCAVATED DURING TRENCHING SHALL BE PILED ON THE SIDE AWAY FROM THE TREE.
 13. ROOTS SHALL BE KEPT MOIST WHILE TRENCHES ARE OPEN AND REFILLED IMMEDIATELY AFTER UTILITIES ARE INSTALLED OR REPAIRED.

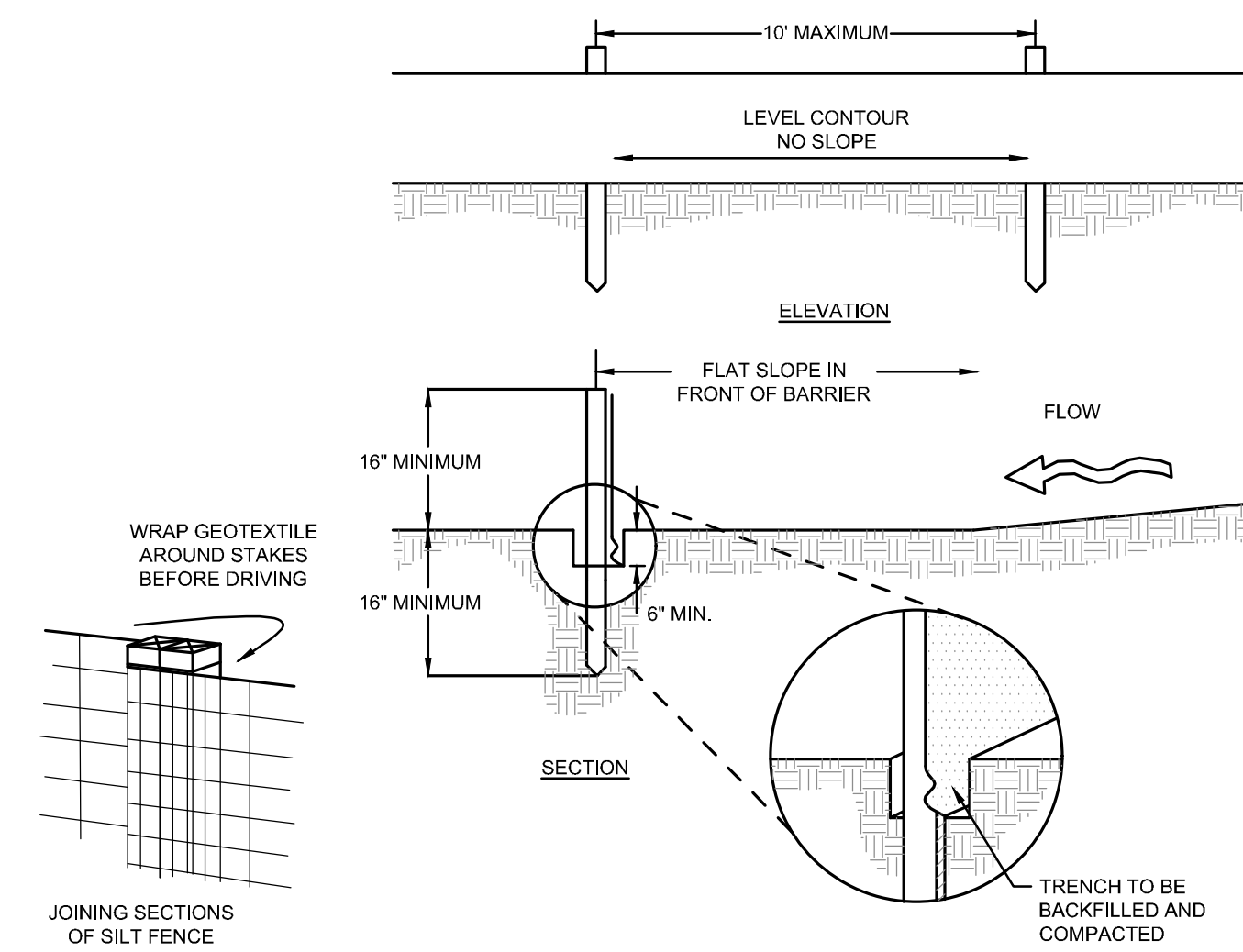


NOTES

1. STONE SIZE - ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE - A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

MINIMUM TENSILE STRENGTH.....	200 LBS
MINIMUM PUNCTURE STRENGTH.....	80 LBS
MINIMUM TEAR STRENGTH.....	50 LBS
MINIMUM BURST STRENGTH.....	320 PSI
MINIMUM ELONGATION.....	20%
EQUIVALENT OPENING SIZE.....	EOS< 0.6MM
PERMITTIVITY.....	1X10 ⁻⁶ CM/SEC
6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES. TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

3 CONSTRUCTION ENTRANCE DETAIL N.T.S.



NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
 3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER POUNDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
 4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
 6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
 7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
 8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
 9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.
 10. MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.
- SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.
- SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.
- CRITERIA FOR SILT FENCE MATERIALS
1. FENCE POST - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS. THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
 2. SILT FENCE FABRIC - SEE CHART BELOW.
- | FABRIC PROPERTIES | VALUES | TEST METHOD |
|--------------------------------|--------------------------|-------------|
| MINIMUM TENSILE STRENGTH | 120 LBS. (533 N) | ASTM D 4632 |
| MAXIMUM ELONGATION AT 60 LBS | 50% | ASTM D 4632 |
| MINIMUM PUNCTURE STRENGTH | 50 LBS. (220 N) | ASTM D 4633 |
| MINIMUM TEAR STRENGTH | 40 LBS. (180 N) | ASTM D 4633 |
| APPARENT OPENING SIZE | <0.84 MM | ASTM D 4751 |
| MINIMUM PERMITTIVITY | 1X10 ⁻² SEC-1 | ASTM D 4491 |
| UV EXPOSURE STRENGTH RETENTION | 70% | ASTM G 4355 |

4 SILT FENCE DETAIL N.T.S.



NOTE:
 UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

THE KLEINGERS GROUP
 CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
 www.kleingers.com
 6219 Centre Park Dr. West Chester, OH 45069
 513.779.7851

SEAL:

NO.	DATE	DESCRIPTION
1	01/17/24	BID AND PERMIT SET
2	02/02/24	ADDENDUM 001

**JIM TERRELL
 PARK KAYAK
 LAUNCH
 CITY OF MILFORD
 HAMILTON COUNTY, OHIO**

PROJECT NO: 140180,057
 DATE: 02/02/2024
 SCALE:

NOT TO SCALE

SHEET NAME:
EROSION CONTROL NOTES & DETAILS

SHEET NO.
C161

Milford Terrell Park Kayak Launch

Meeting Minutes

Prepared by:

JPS

TKG Proj # 140180.057

Date:	Tuesday, January 30, 2024	Attendees:
Time:	10:00 - 11:00 a.m.	<i>Josh Shaw – Kleingers</i>
Location:	City of Milford office at 745 Center Street, Suite 200 and then site visit	<i>Michael Doss - Milford</i>
RE:	Non-mandatory Pre-Bid Meeting Minutes	

1. Introductions

2. Bid Opening: changed to 11:00AM, Thursday, February 8, 2023. Same location

3. Utilities

- i. Water – None to deal with
- ii. Duke Gas – None to deal with
- iii. Duke Electric – None to deal with
- iv. Other concerns

4. Construction

- a. Schedule/Sequencing
 - i. 1st Ad runs 1/18/2024
 - ii. 2nd Ad runs 1/25/2024
 - iii. Non-mandatory pre-bid 1/30/2024 at 10AM
 - iv. Bid open Thursday, February 8 at 11:00 AM
 - v. Council approves at 2/20/2024 meeting (committee approves prior ... date?)
 - vi. Completion within 90 days
 - vii. Coordination with
- b. Maintenance of Traffic
- c. Staging / Storage Areas
- d. Others

5. Subcontractors

- a. Paving:
- b. Others:

6. Inspection / Contacts

- a. Inspections in General
- b. Testing Requirements
- c. Public Relations
- d. Emergency Contacts

7. Payments

- a. Procedure
 - i. Pay Apps go through The Kleingers Group (Jen Hubert) for review, will forward to Village for processing
- b. Retainage (5% is held as retainage for each monthly invoice)
- c. Affidavits
- d. Prevailing Wage Certificates required with each pay application
- e. Funding: State Capital Improvement

8. Change Orders

- a. Procedure
 - i. Must be coordinated PRIOR to work
- b. Authority
- c. Other

9. Questions:

- 1. Are the posts anchored in concrete?**
 - a. Yes, they are anchored to the side of the stair concrete.**
- 2. What are the stairs to be finished like?**
 - a. Stamped concrete with slate pattern. To be submitted and approved by the city before use. Concrete to be colored buff. This is not a stain, the concrete color must be added before placing.**
- 3. What are the ropes?**
 - a. 1.5" Nylon**
- 4. Will there be time extension granted for high water conditions?**
 - a. Yes, however, most of the construction will be high enough to not be affected.**

See plans for other clarifications.



PRE-CONSTRUCTION MEETING SIGN-IN SHEET
 The Kleingers Group Project No.: 140180.057

Project Name: City of Milford
 Jim Terrell Park Kayak Launch

Tuesday, January 30, 2024 – 10:00 to 11:00 a.m.

City of Milford



Name	Company	Project Role	Telephone	Email Address
Josh Shaw	The Kleingers Group	Project Manager	O: 513-779-7851 C: 513-464-5831	josh.shaw@kleingers.com
Michael Doss	City of Milford	City Manager	O: 513-831-4192 C: 513-371-1363	mdoss@milfordohio.org
Ed Hackmeister	City of Milford	Service Department Supervisor	O: 513-831-7018 C: 513-473-9317	ehackmeister@milfordohio.org
Dale Rife	DEB Development	PT	513 831 7766 #209	drife@DEB Development
Thomas Pirt	PWS Construction	Estimator	513-533-6797	tpirt@pws.us
Tony Forste	KT Holden Construction	Estimator	513 968 3028	tforste@ktholden.com
Steve Howden	Colours Creations	Estimator	513-253-7821	sherman@colourscreations.com
Shane Russell	SAR Solutions Inc	Ops. Manager	513-505-3332	shane@sarsolutionsinc.com
Tom Hackett				