

CITY OF KALAMAZOO PARKS AND RECREATION DEPARTMENT MILHAM PARK PLAYGROUND IMPROVEMENTS

350 East Michigan Avenue Suite #415 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

> Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

KALAMAZOO, MICHIGAN BID #: 90900-001.0

OWNER/CLIENT:

CITY OF KALAMAZOO

241 WEST SOUTH STREET KALAMAZOO, MICHIGAN 49007

LANDSCAPE ARCHITECT:

& ASSOCIATES, INC.

KALAMAZOO, MICHIGAN 49007

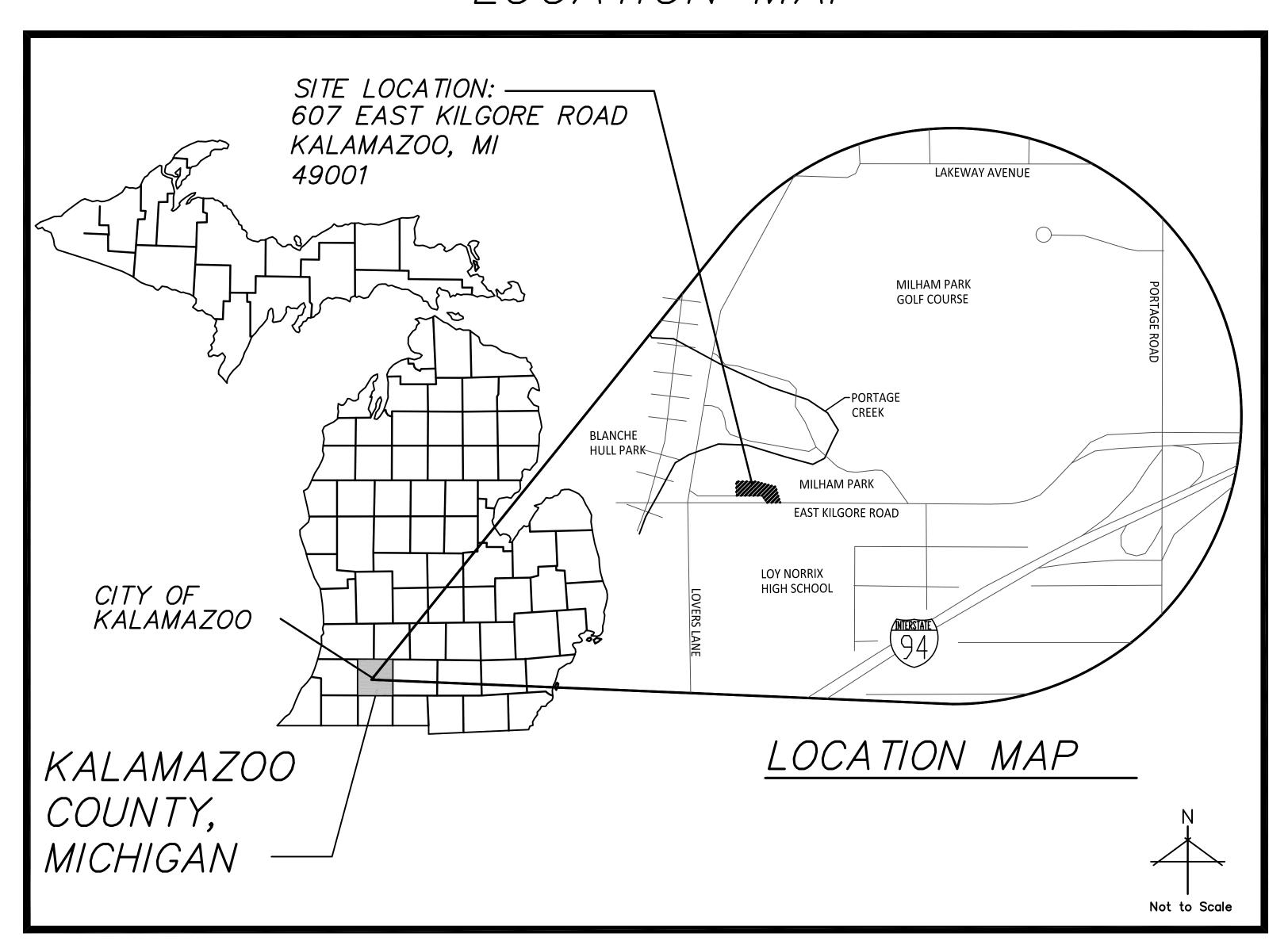
269-381-3357 TELE

269-381-2944 FAX

O'BOYLE COWELL BLALOCK

350 EAST MICHIGAN AVENUE, SUITE #415

LOCATION MAP



SHEET INDEX

CO.O COVER SHEET

CO.1 TOPOGRAPHIC SURVEY

C1.0 OVERALL DEMOLITION PLAN

02.0 OVERALL LAYOUT PLAN 03.0 OVERALL GRADING PLAN

C3.1 PLAYGROUND DRAINAGE ENLARGEMENT PLAN

L1.0 OVERALL LANDSCAPE PLAN

HARD COPY IS INTENDED TO BE 24"X36" WHEN PLOTTED.

PRE-SITE PLAN REVIEW 10-22-21
ISSUED FOR BID 04-13-22

SCALE(S) INDICATED AND

GRAPHIC QUALITY MAY NOT BE ACCURATE FOR ANY OTHER SIZES.

Proj

Milham Park Playground Improvements

Kalamazoo, Michigan

Sheet Title

Cover Sheet

NOTES:

- 1) Except where other wise indicated on the plans or in the proposal and supplemental specifications or special provisions contained herein, all materials and workmanship shall be in accordance with Michigan Department of Transportation Standard Specifications for Construction, 1996 Edition.
- 2) Call Miss Dig, 1—800—482—7171 three working days, excluding Saturday, Sunday and holidays, before starting your project.

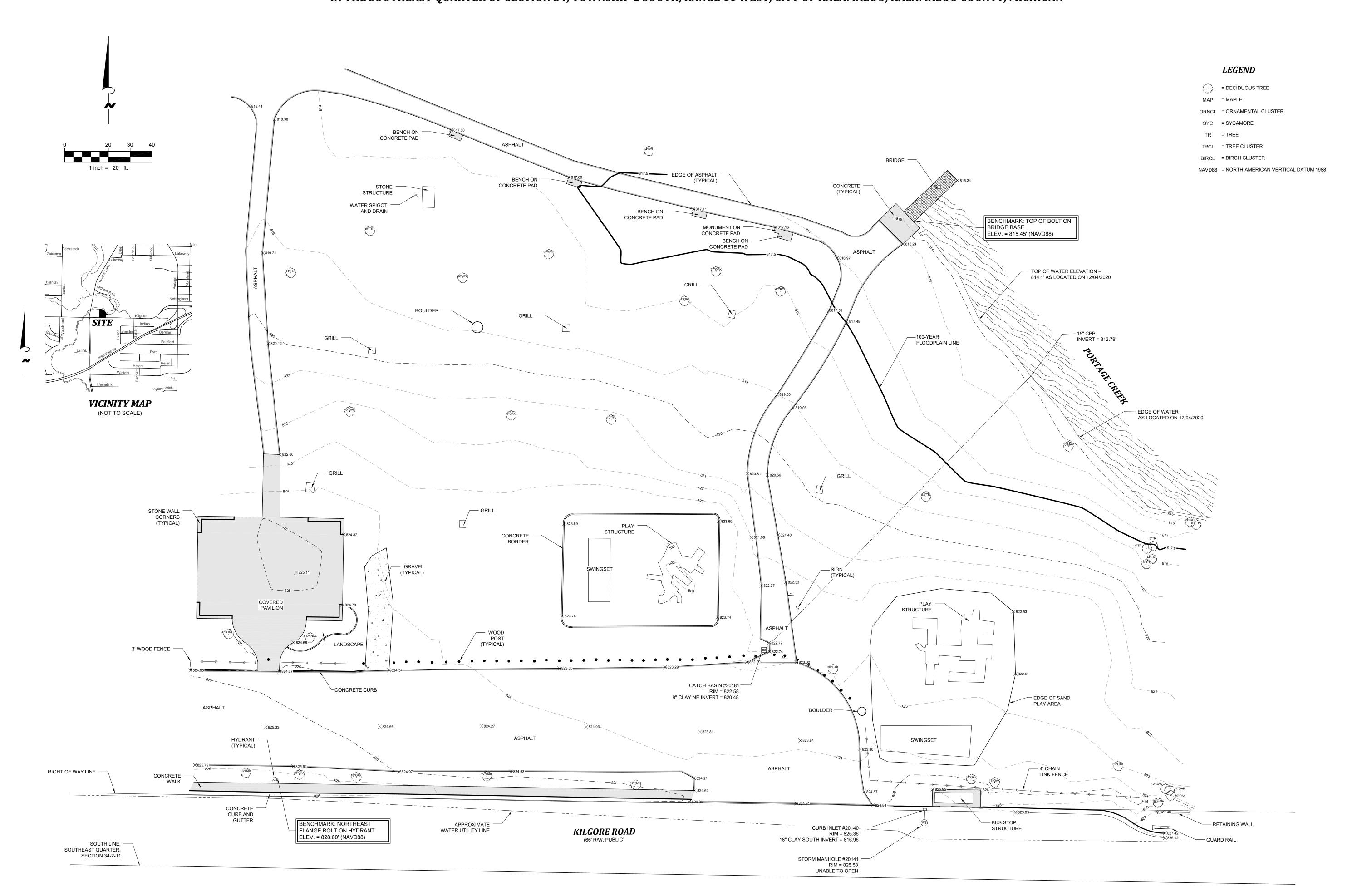
Job No.

C0.0

Sheet No.

52005

TOPOGRAPHIC SURVEY IN THE SOUTHEAST QUARTER OF SECTION 34, TOWNSHIP 2 SOUTH, RANGE 11 WEST, CITY OF KALAMAZOO, KALAMAZOO COUNTY, MICHIGAN





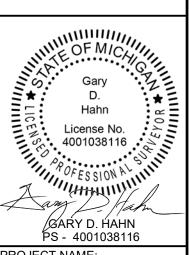
BENTON HARBOR 269.927.0100

KALAMAZOO 269.327.3532

ALLEGAN 269.673.8465

ROYAL OAK 248.791.1371

www.gowightman.com



MILHAM PARK
CITY OF KALAMAZOO

CITY OF KALAMAZOO 251 MILLS STREET KALAMAZOO, MI 49048

12/02/2021 TLK ADDED 100-YEAR FLOODPLAIN LINE REVISIONS

REVISIONS

P:Kalamazoo!204403 City of Kalamazoo - Topo - Milham Park Playground ImprovementsiB10 Issue Sets/204403 TO CLIENT - R1.dwg 1 OF 1 12/2/20 3:47:26 PM

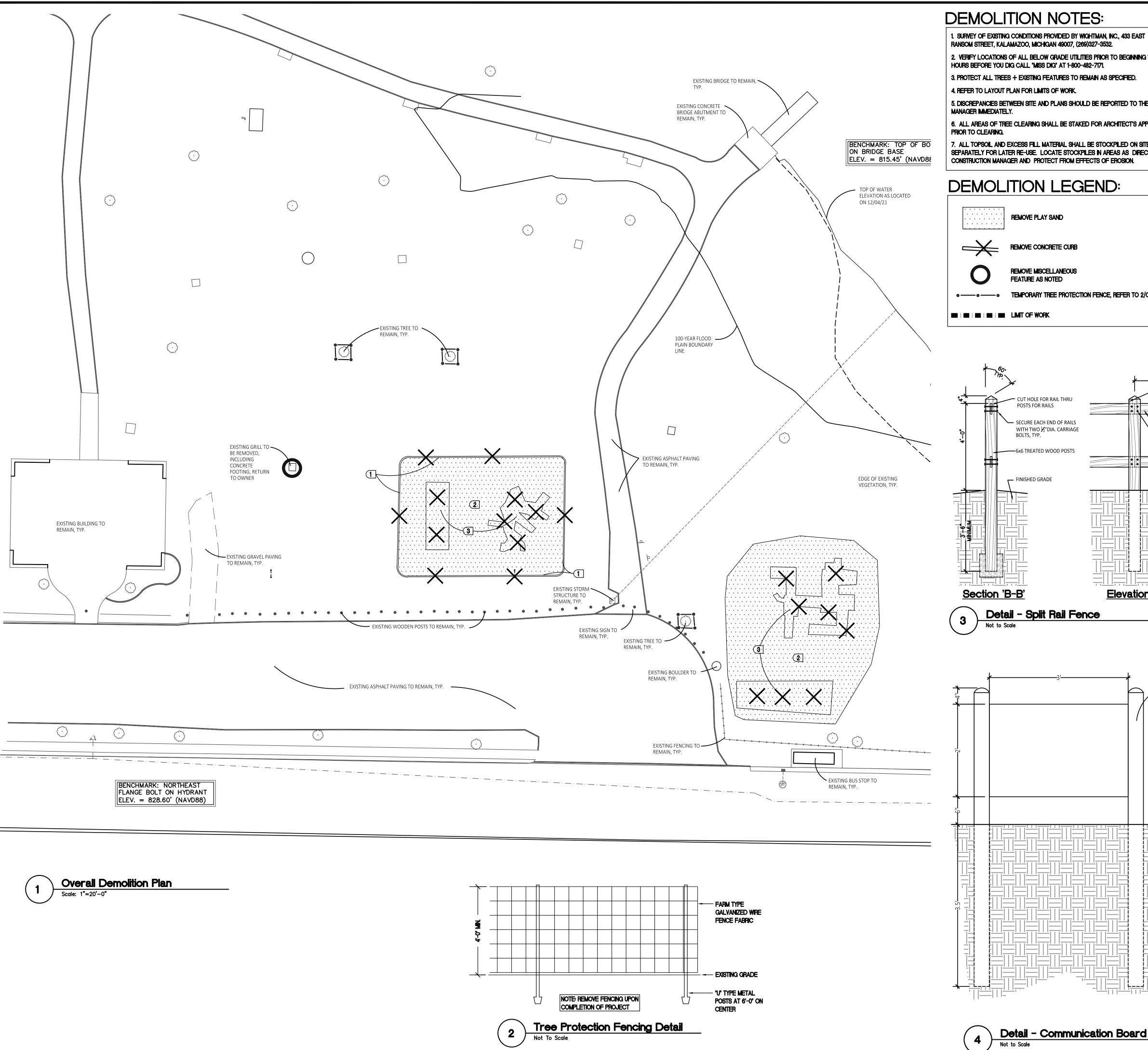
THE REPRODUCTION, COPYING OR OTHER USE OF THIS DRAWING WITHOUT WRITTEN CONSENT IS PROHIBITED.
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DATE: DECEMBER 09, 2020

SCALE: 1" = 20'
DRAWN BY: TLK
CHECKED BY: GDH

TOPOGRAPHIC SURVEY

OB No. 204403



DEMOLITION NOTES:

- 1. SURVEY OF EXISTING CONDITIONS PROVIDED BY WIGHTMAN, INC., 433 EAST RANSOM STREET, KALAMAZOO, MICHIGAN 49007, (269)327-3532.
- 2. VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK, 72
- HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171.
- 3. PROTECT ALL TREES + EXISTING FEATURES TO REMAIN AS SPECIFIED. 4. REFER TO LAYOUT PLAN FOR LIMITS OF WORK.
- 5. DISCREPANCIES BETWEEN SITE AND PLANS SHOULD BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
- 6. ALL AREAS OF TREE CLEARING SHALL BE STAKED FOR ARCHITECT'S APPROVAL
- PRIOR TO CLEARING.
- 7. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.

TREE PROTECTION NOTES:

PROVIDE AND MAINTAIN TEMPORARY TREE PROTECTION FENCING IN ALL LOCATIONS MARKE •—••••••

TREE FENCING SHALL BE PROVIDED AND IN PLACE PRIOR TO ANY WORK ON SITE (INCLUDING TOPSOIL STRIPPING OPERATIONS). REFER TO THE FOLLOWING

THEOSPENSTONATIONS PORTABLEMENCATEURING WITH CONTROLLAR TOPSOIL SHALL BE ALLOWED WITHIN THE TREE PROTECTION AREAS.

2. EXISTING GROUND COVER AND TOPSOIL SHALL NOT BE REMOVED FROM TREE PROTECTION AREAS DURING EARTHWORK PHASE.

3. VEHICULAR TRAFFIC, PARKING, EQUIPMENT OR MATERIAL STORAGE MAY NOT OCCUR WITHIN THE TREE PROTECTION AREAS AT ANY TIME.

4. NO EXCAVATION SHALL BE MADE WITHIN THE TREE PROTECTION AREAS EXCEPT AS NOTED OTHERWISE.



350 East Michigan Avenue Suite #415 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

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REMOVE PLAY SAND

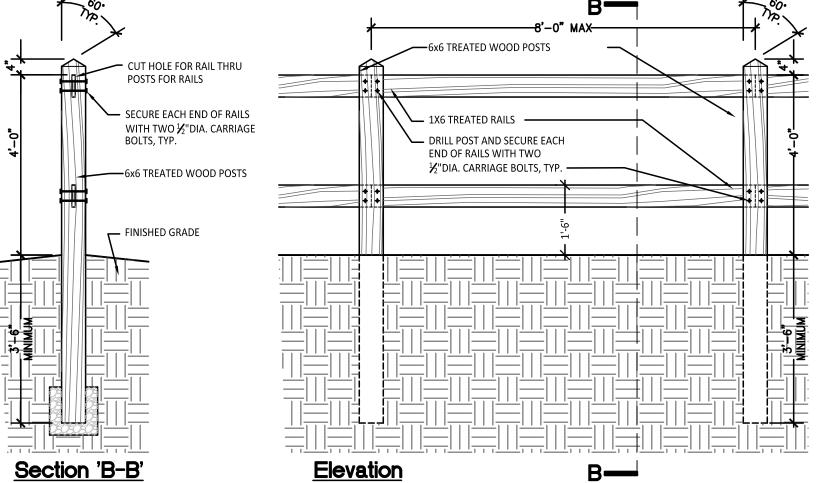
REMOVE CONCRETE CURB

REMOVE MISCELLANEOUS FEATURE AS NOTED

• — • TEMPORARY TREE PROTECTION FENCE, REFER TO 2/C1.0

☐ SITE DEMOLITION KEY

- 1 REMOVE EXISTING CONCRETE CURB.
- 2 REMOVE EXISTING PLAY SAND
- REMOVE EXISTING PLAY EQUIPMENT, INCLUDING CONCRETE FOOTINGS. DESTROY ALL EQUIPMENT COMPLETELY SO THAT IT CANNOT BE RE-ASSEMBLED.



Detail - Split Rail Fence

-24"X36" ALUMINUM PAINTED SIGN — WITH UV RESISTANT AND WATERPROOF SURFACING, OWNER TO PROVIDE ARTWORK, SECURE TO ALUMINUM S-3 SIGN POST SYSTEM WITH VANDAL RESISTANT HARDWARE, DIRECT BURY, FINISH GRADE -CONCRETE PLAY CURB, REFER TO DETAIL 5/C2.0 RESILIENT PLAY SURFACING, BY OTHERS, REFER TO SPECS, VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION,

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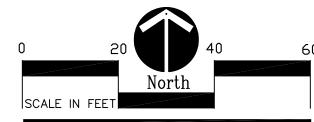
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Milham Park Playground Improvements

Kalamazoo, Michigan

Sheet Title

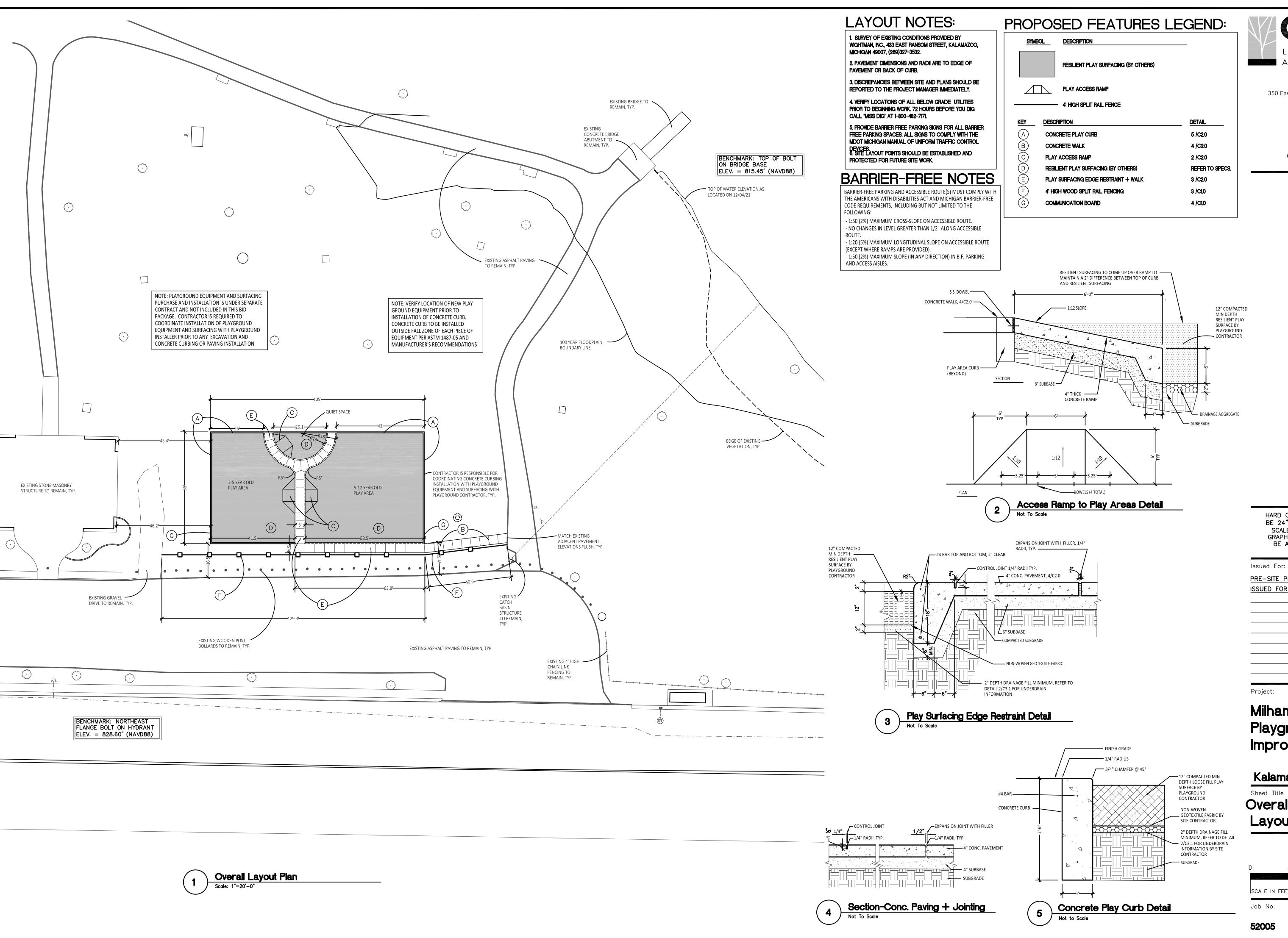
Demolition Plan



Job No.

Sheet No. C1.0

52005



A R C H I T E C T S

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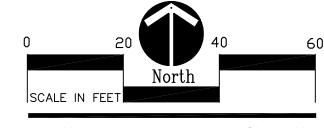
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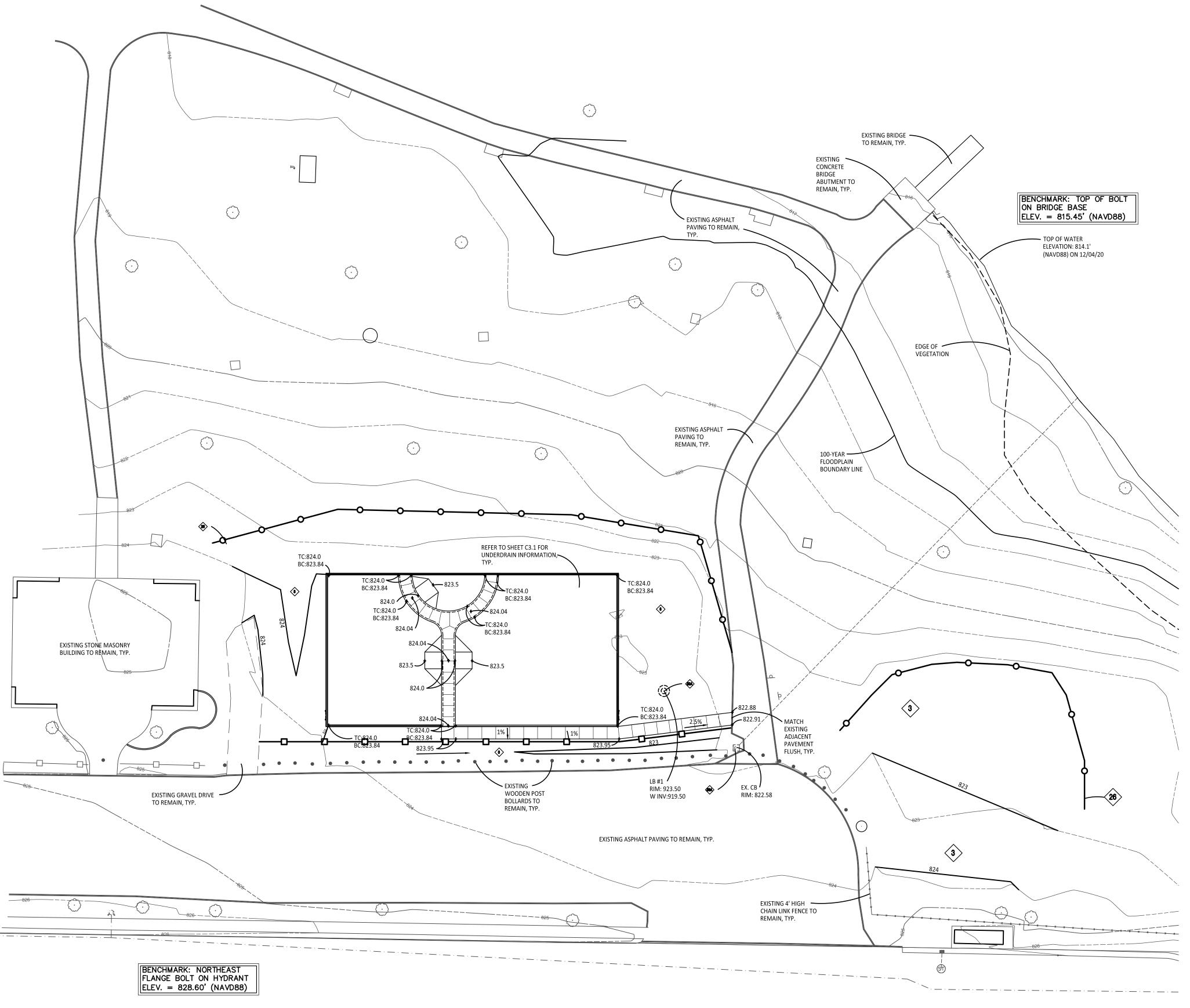
Milham Park Playground **Improvements**

Kalamazoo, Michigan

Overall Layout Plan



Sheet No. C2.0



GRADING NOTES:

- SURVEY OF EXISTING CONDITIONS PROVIDED BY WIGHTMAN, INC., 433 EAST RANSOM STREET, KALAMAZOO, MICHIGAN 49007, (269)327-3532.
 VERIFY LOCATIONS OF ALL BELOW GRADE UTILITIES PRIOR TO BEGINNING WORK, 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT
- 1-800-482-7171.
 3. ALL NEW PAVEMENTS AND TURF AREAS ARE INTENDED TO DRAIN FREELY WITH NO PONDING. IF THIS CANNOT BE ACHIEVED USING THE PROPOSED GRADES, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
- 4. ALL NEW PAVEMENT ELEVATIONS AT EXTERIOR DOORS SHALL MATCH EXISTING FINISH FLOOR ELEVATIONS, TYPICAL
- 5. FINISH GRADE SLOPE AT ALL BARRIER FREE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% IN ALL DIRECTIONS, TYPICAL.
- 6. ADJUST TOP OF EXISTING MANHOLES, CATCH BASINS, VAULT COVERS, ETC. TO NEW FINISH GRADE AS REQUIRED.
- 7. SEE SITE MECHANICAL AND SITE ELECTRICAL PLANS FOR ALL ADDITIONAL SITE UTILITY DEMOLITION AND CONSTRUCTION.

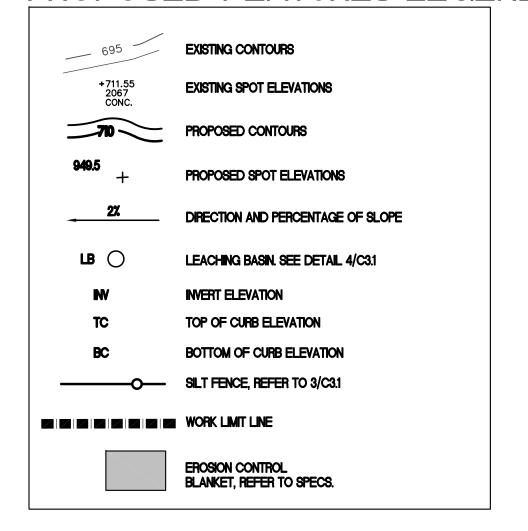
IMPORTANT NOTE

GENERAL EARTHWORK NOTE:

CUTS AND FILLS AT THIS SITE MAY OR MAY NOT BALANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIRED EARTHWORK VOLUMES BASED ON THE GRADING PLAN SHOWN. IF FILL IS REQUIRED, THE CONTRACTOR SHALL INCLUDE THE REQUIRED VOLUME OF IMPORTED CLASS II SAND IN THE BASE BID PROPOSAL. IF EXCESS SOILS NEED TO BE SPOILED, THE CONTRACTOR SHALL INCLUDE HAULING AND SPOILING SOILS OFF SITE IN THE BASE BID PROPOSAL. NO CONTRACT COST ADJUSTMENTS WILL BE CONSIDERED FOR EARTHWORK REQUIRED TO BALANCE THE SITE.

IMPORTANT NOTE

PROPOSED FEATURES LEGEND:



EROSION CONTROL TIMELINE

ПЕМ	DESCRIPTION	APPROXIMATE TIME FRAME	NOTES:
1.	INSTALL SILT FENCING / PERIMETER EROSION CONTROL	SPRING '22	1. CONTRACTOR SHALL MONITOR AND MAINTAIN
2.	STRIP + STOCKPILE TOPSOIL	SPRING '22	ALL EROSION CONTROL DEVICES THROUGHOUT
3.	INSTALL STORM SEWER STRUCTURES AND PIPING	SPRING '22	THE CONSTRUCTION PERIOD.
4.	INSTALL INLET SEDIMENT FILTERS AT CATCH BASINS	SPRING '22	2. ADDITIONAL EROSION CONTROL MEASURES
5.	INSTALL PAVEMENT SUB-BASE	SPRING '22	SHALL BE IMPLEMENTED AS REQUIRED TO
6.	FINISH GRADE AND SEED / STABILIZE ALL AREAS	SUMMER '22	MINIMIZE SILT LEAVING THE CONSTRUCTION SITE.

EROSION CONTROL REQUIREMENTS:

ALL CONSTRUCTION SHALL COMPLY WITH THE SOIL EROSION AND SEDIMENTATION CONTROL ACT (P.A. 347 OF 1972, AS AMENDED) AS ADMINISTERED BY CITY OF KALAMAZOO AND KALAMAZOO COUNTY. THE FOLLOWING EROSION CONTROL DEVICES ARE REFERENCED IN THE STANDARD EROSION CONTROL HANDBOOK PUBLISHED BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION. (MDOT DRAWING R-96-C, 8-9-2001)

8-9-2001)
ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AT THE END OF CONSTRUCTION. TEMPORARY EROSION CONTROL
DEVICES SHOULD BE IN PLACE PRIOR TO EXCAVATION, TO THE EXTENT POSSIBLE.

KEY	DESCRIPTION	TEMPORARY / PERMANENT	KEY	DESCRIPTION	TEMPORARY / PERMANENT
3>	PERMANENT/TEMPORARY SEEDING	Р	39A>	INLET PROTECTION	FABRIC DROP T
26>	GEOTEXTILE SILT FENCE	Т	\		

STORM STRUCTURE SCHEDULE :

			STORM SEWER SY STRUCTURE SUM			
PROPOSED STRUCTURE #	DIAMETER	RIM TYPE	RIM ELEVATION AT FLOW LINE	INVERT ELEVATION	INVERT DIRECTION	COMMENTS
LB # I	4'	EJIW 6508-O	923.50	919.50	SW	



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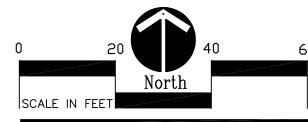
Project:

Milham Park Playground Improvements

Kalamazoo, Michigan

Sheet Title

Grading Plan

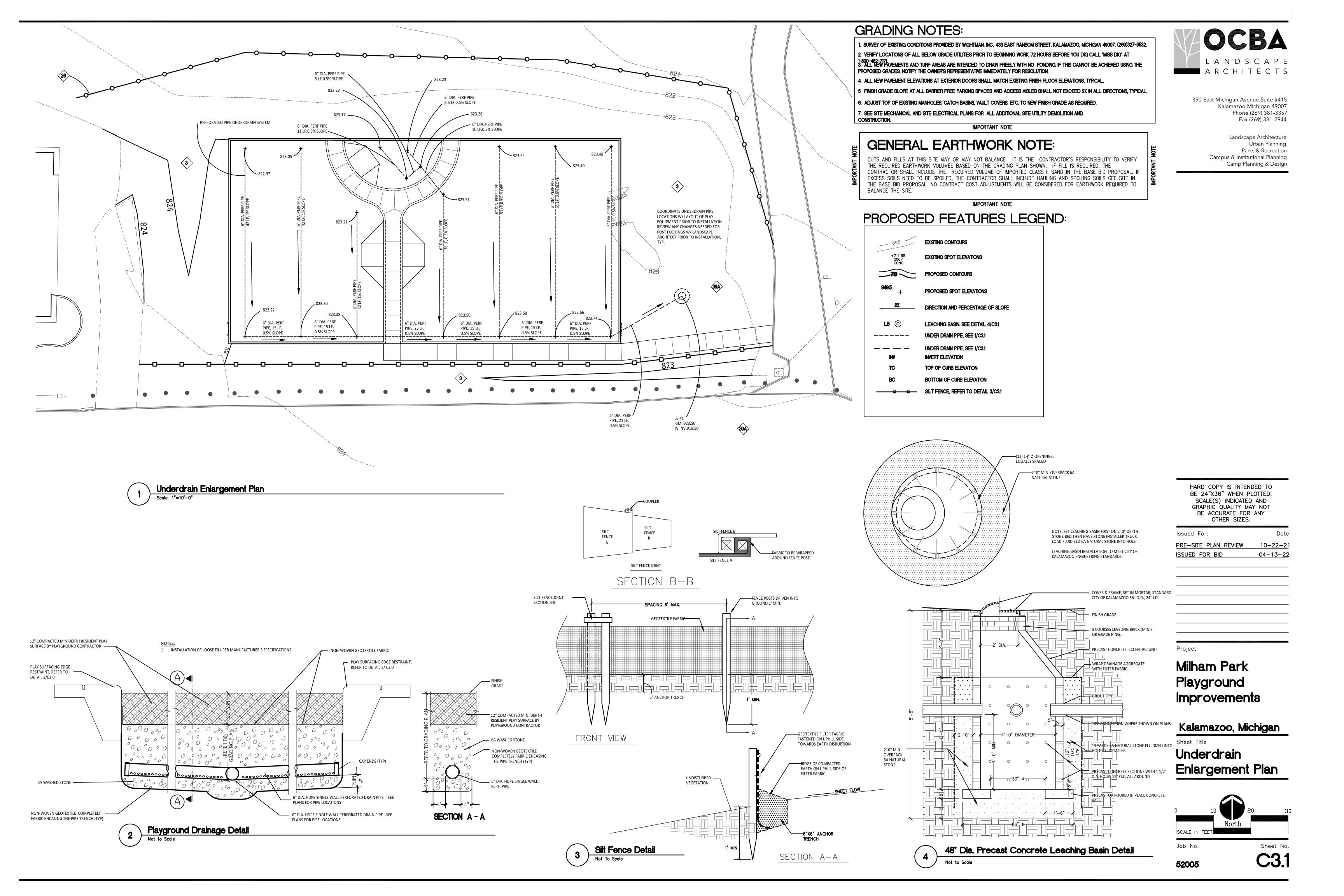


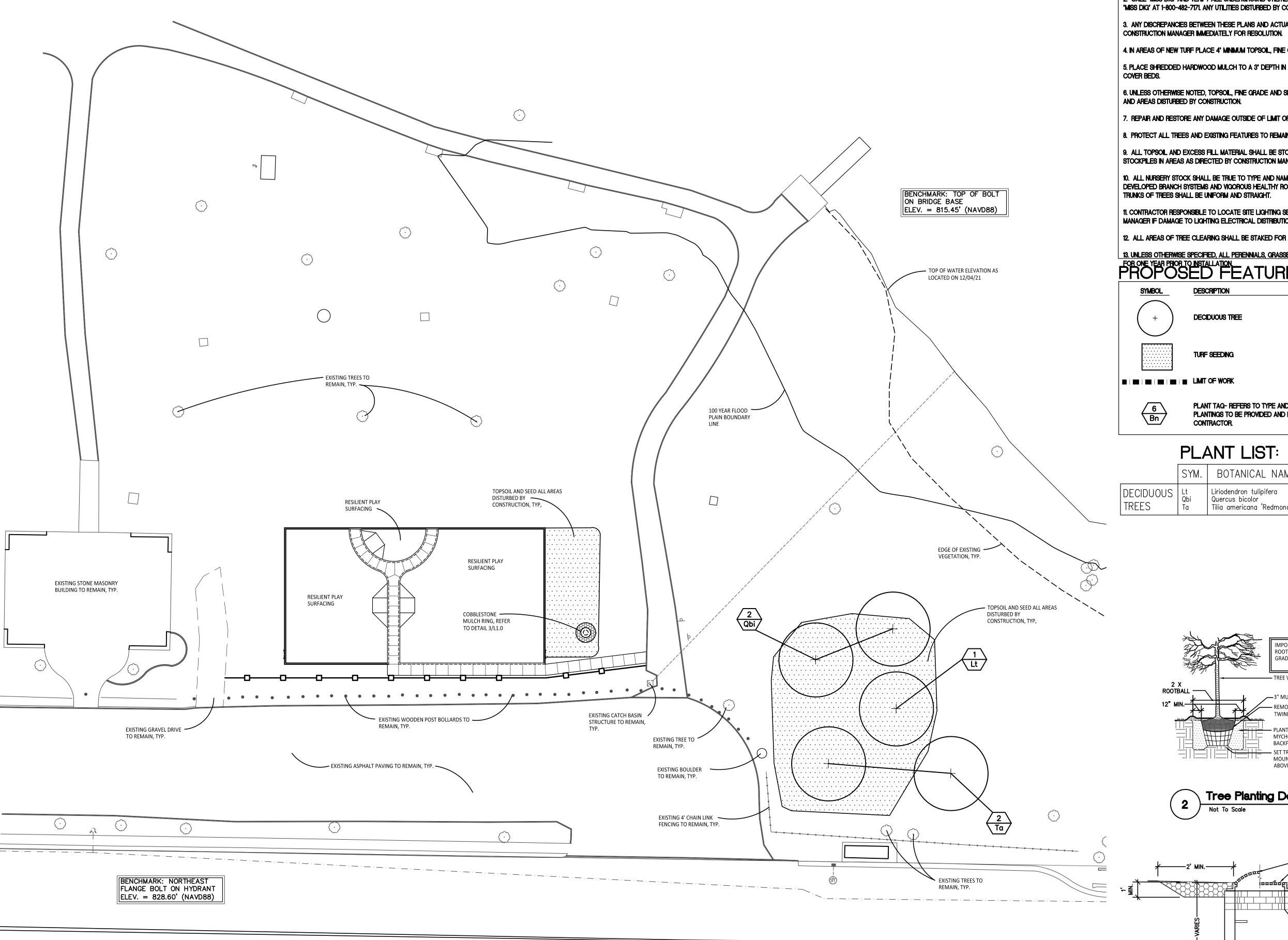
Job No.

Sheet No.

Overall Grading Plan

52005





LANDSCAPE NOTES:

1. SURVEY OF EXISTING CONDITIONS PROVIDED BY WIGHTMAN, INC., 433 EAST RANSOM STREET, KALAMAZOO, MICHIGAN 49007,

2. CALL 'MISS DIG' AND VERIFY ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL 'MISS DIG' AT 1-800-482-7171. ANY UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

3. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHOULD BE REPORTED TO THE

4. IN AREAS OF NEW TURF PLACE 4" MINIMUM TOPSOIL, FINE GRADE + ESTABLISH TURF WITHIN SEED LIMIT LINES.

5. PLACE SHREDDED HARDWOOD MULCH TO A 3" DEPTH IN ALL TREE + SHRUB BEDS + TO A 2" DEPTH IN ALL GROUND

6. UNLESS OTHERWISE NOTED, TOPSOIL, FINE GRADE AND SEED ALL DISTURBED AREAS WITHIN THE SEEDING LIMIT SHOWN AND AREAS DISTURBED BY CONSTRUCTION.

7. REPAIR AND RESTORE ANY DAMAGE OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION.

8. PROTECT ALL TREES AND EXISTING FEATURES TO REMAIN AS SPECIFIED.

9. ALL TOPSOIL AND EXCESS FILL MATERIAL SHALL BE STOCKPILED ON SITE SEPARATELY FOR LATER RE-USE. LOCATE STOCKPILES IN AREAS AS DIRECTED BY CONSTRUCTION MANAGER AND PROTECT FROM EFFECTS OF EROSION.

10. ALL NURSERY STOCK SHALL BE TRUE TO TYPE AND NAME. ALL STOCK SHALL BE FIRST CLASS QUALITY WITH WELL DEVELOPED BRANCH SYSTEMS AND VIGOROUS HEALTHY ROOT SYSTEMS. ALL STOCK SHALL BE WELL FORMED AND THE TRUNKS OF TREES SHALL BE UNIFORM AND STRAIGHT.

11. CONTRACTOR RESPONSIBLE TO LOCATE SITE LIGHTING SERVICES. CONTRACTOR RESPONSIBLE TO NOTIFY CONSTRUCTION MANAGER IF DAMAGE TO LIGHTING ELECTRICAL DISTRIBUTION OCCURS.

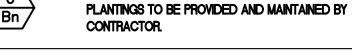
12. ALL AREAS OF TREE CLEARING SHALL BE STAKED FOR ARCHITECTS APPROVAL PRIOR TO CLEARING.

13. UNLESS OTHERWISE SPECIFIED, ALL PERENNIALS, GRASSES AND GROUNDCOVERS SHALL BE GROWN IN THEIR CONTAINER

PROPOSED FEATURES LEGEND:



PLANT TAG- REFERS TO TYPE AND NUMBER OF



2 X ROOTBALL ____

	PLANT LIST:				
	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
DECIDUOUS TREES	Lt Qbi Ta	Liriodendron tulipifera Quercus bicolor Tilia americana 'Redmond'	Tulip Tree Swamp White Oak Redmond Linden	2" Cal. 2" Cal. 2" Cal.	B&B B&B B&B

IMPORTANT NOTE: SET TOP OF ROOTBALL OR ROOT FLAIR AT OR SIGHTLY ABOVE FINISHED

TREE WRAP TO FIRST BRANCH

-3" MULCH - FORM SAUCER

BACKFILLING

Tree Planting Detail

Cobblestone Mulch Ring Detail

ABOVE FINISH GRADE.

--- REMOVE BURLAP, WIRE BASKET, AND ALL TWINE OR ROPE FROM TOP 1/3 OF ROOT BALL

- SET TREE BALL ON 6" HIGH COMPACTED MOUND WITH ROOT FLARE AT OR SLIGHTLY

— COVER & FRAME, SET IN MORTAR

9"-12" COBBLESTONE MULCH, INFILL VOIDS WITH 2"-3" STONES, MULCH TO BE INSTALLED BELOW STRUCTURE RIM ELEVATION, TYP.

PRECAST CONCRETE ECCENTRIC UNIT, REFER

ANY STORMWATER INLET STRUCTURE LOCATED IN TURF AREAS OR NATIVE GRASS

LEVELING BRICKS OR GRADE RINGS

---- FINISH GRADE

TO 4/C3.1

PLANTING SOIL MIX, TREAT WITH MYCHORRIZAL INOCULANT DURING

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LANDSCAPE

ARCHITECTS

350 East Michigan Avenue Suite #415

Kalamazoo Michigan 49007 Phone (269) 381-3357

Campus & Institutional Planning

Fax (269) 381-2944

Urban Planning

Parks & Recreation

Landscape Architecture

Camp Planning & Design

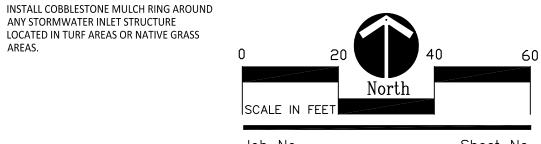
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Milham Park Playground **Improvements**

Kalamazoo, Michigan

Sheet Title

Landscape Plan



Sheet No. Job No. 52005

Overall Landscape Plan