

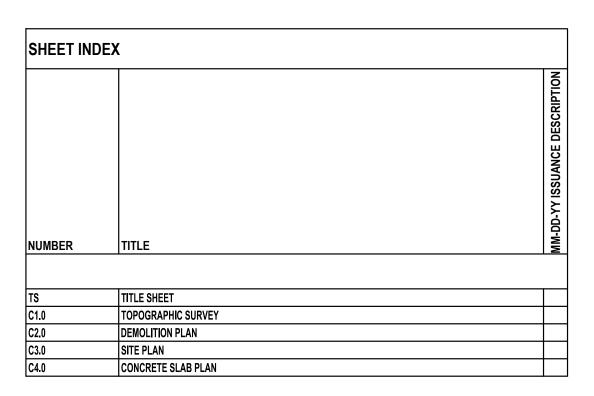
BANGOR TOWNSHP SCHOOL DISTRICT VISITORS BLEACHER REPLACEMENT
3201 KIESEL ROAD
BAY CITY, MI 48706

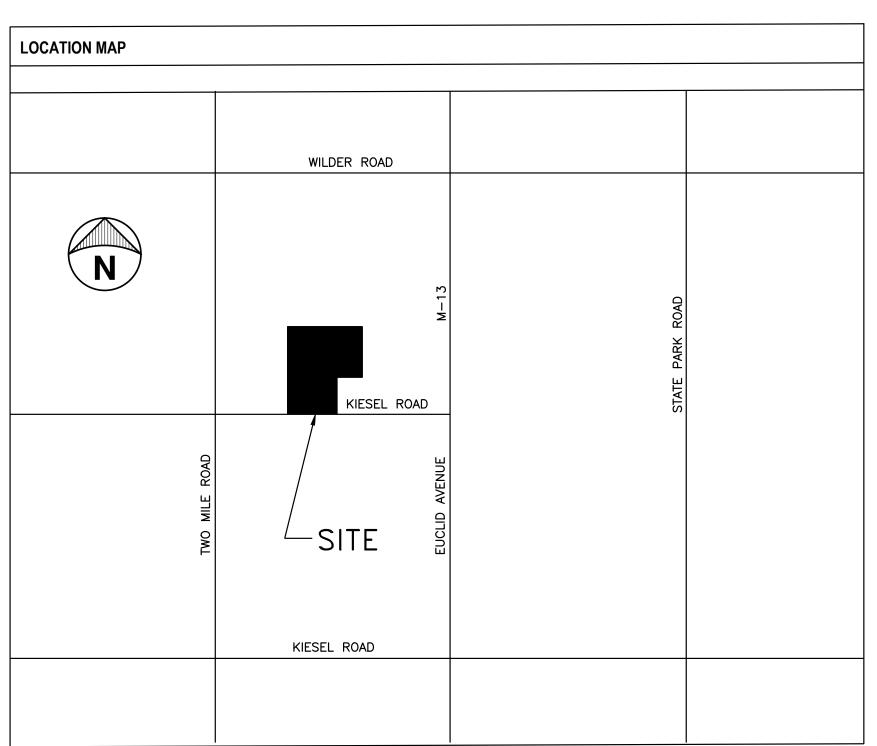
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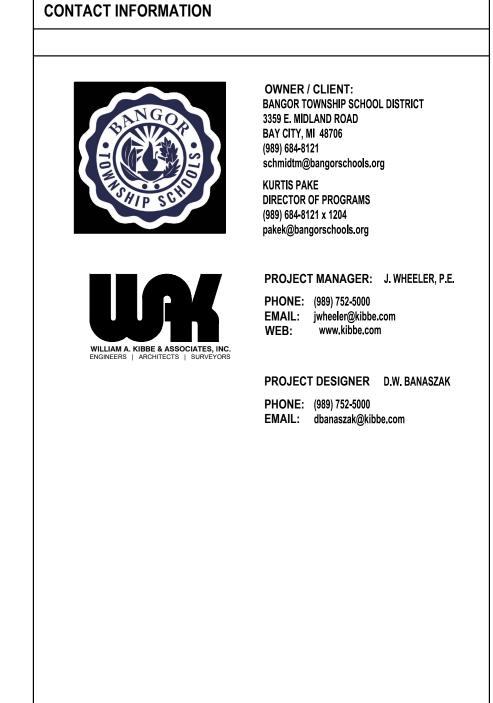
BANGOR TOWNSHIP SCHOOL DISTRICT JOHN GLENN HIGH SCHOOL

VISITORS BLEACHER REPLACEMENT PROJECT

3201 KIESEL ROAD **BAY CITY, MI 48706**







Jay C. Wheeler MI. REG. P.E. NO: 43280 NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A MICHIGAN PROFESSIONAL ENGINEER.

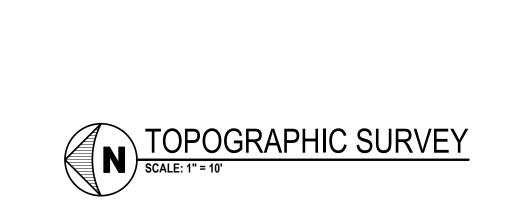
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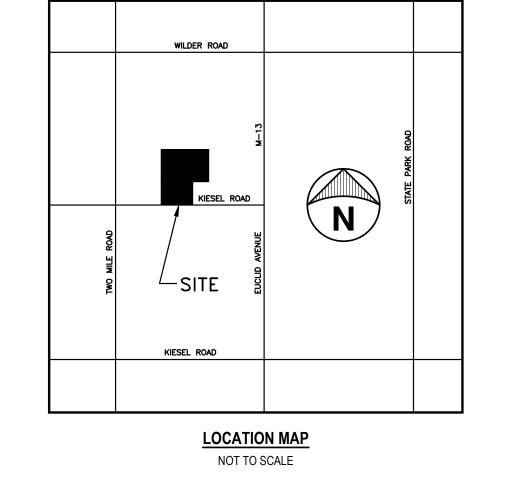
PROJECT #: 24-1719-0370

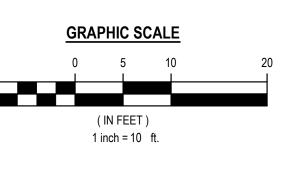
CHCKED BY: J. WHEELER DESIGNED BY D.W.BANASZAK DRAWN BY: D.W.BANASZAK PROPOSED
GRADE 597.85 —

TYPICAL CROSS SECTION

— CONCRETE FOUNDATION PILE (TYP.)







LEGEND	

LEGEND						
×161.36	EX. SPOT GRADE					
	EX. MINOR CONTOUR EX. MAJOR CONTOUR EX. CENTERLINE DITCH					
SAN	EX. SANITARY SEWER W/MANHOLE					
STM	EX. STORM SEWER					
WAT	EX. WATERMAIN EX. ELECTRIC LINES					
	EX. CHAINLINK FENCE					
-0	EX. WOOD FENCE					
	EX. GAS LINES					
COMM	EX. COMMUNICATION LINES					
	EX. OVERHEAD UTILITY WIRES					
	EX. RAILROAD CENTERLINE					
<i></i>	EX. BUILDINGS					
	EX. BITUMINOUS PAVEMENT					
	EX. CONCRETE PAVEMENT					
	EX. GRAVEL PAVEMENT					
	EX. SIGN WITH POST					
	EX. STEEL POST/BOLLARD EX. STORM CURB INLET EX. STORM CATCH BASIN/MANHOLE					
Ψ,						

ALUMINUM BLEACHER ON CONCRETE PAD

LIGHT POLE BASE —

B.M.#1

EX. SANITARY MANHOLE EX. HYDRANT

EX. WATER OR GAS VALVE EX. UTILITY POLE EX. SEWER CLEANOUT

EX. SPRINKLER/SPIGOT EX. WATER WELL

	EX. DRINKING F
	EX. LIGHT POLE
	EX. UTILITY RISE
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DS	EX. DOWNSPOU
<u>~</u>	EX. FLAG POLE
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EX. DRINKING FOUN
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EX. MAILBOX
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EX. FLAG POLE
EX. ELECTRICAL BOX
EX. TRANSFORMER

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	STATUS / REVISIONS	RELEASED FOR BID							
	NO.								
	CHCKED BY: J. WHEELER								
	DESIGNED BY: D.W.BANASZAK								

BANGOR TOWNSHP SCHOOL DISTRICT VISITORS BLEACHER REPLACEMENT
3201 KIESEL ROAD
BAY CITY, MI 48706

SURVEY

TOPOGRAPHIC

Know what's below. Call before you dig.

D.W.BANASZAK
DRAWN BY:
D.W.BANASZAK PROJECT #: 24-1719-0370 SHEET C1.0

CHCKED BY: J. WHEELER DESIGNED BY: D.W.BANASZAK

DRAWN BY:

D.W.BANASZAK

PROJECT #: 24-1719-0370

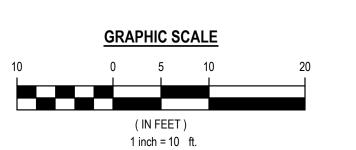
SHEET

DEMOLITION

EX. ELECTRICAL BOX Т EX. TRANSFORMER

SITE KIESEL ROAD

> **LOCATION MAP** NOT TO SCALE



<u>LEGEND</u>					
×/8/36	EX. SPOT GRADE				
	EX. MINOR CONTOUR				
— — — 600 — — — —	EX. MAJOR CONTOUR				
	EX. CENTERLINE DITCH				
SAN	EX. SANITARY SEWER W/MANHOLE				
STM	EX. STORM SEWER				
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ELEC	EX. ELECTRIC LINES				
	EX. CHAINLINK FENCE				
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COMM	EX. COMMUNICATION LINES				
	EX. OVERHEAD UTILITY WIRES				
	EX. RAILROAD CENTERLINE				
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	EX. BITUMINOUS PAVEMENT				
	EX. CONCRETE PAVEMENT				
	EX. GRAVEL PAVEMENT				
	EX. SIGN WITH POST				
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	EX. STORM CURB INLET				
	EX. STORM CATCH BASIN/MANHOLE				
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Q	EX. HYDRANT				
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Ø	EX. UTILITY POLE				
©	EX. SEWER CLEANOUT				
<u>s</u>	EX. SPRINKLER/SPIGOT				
	EX. WATER WELL				
DF	EX. DRINKING FOUNTAIN				
*	EX. LIGHT POLE				
	EX. UTILITY RISER				
	EX. MAILBOX				
ODS	EX. DOWNSPOUT				
⊕ ~~	EX. FLAG POLE				
E	EX. ELECTRICAL BOX				

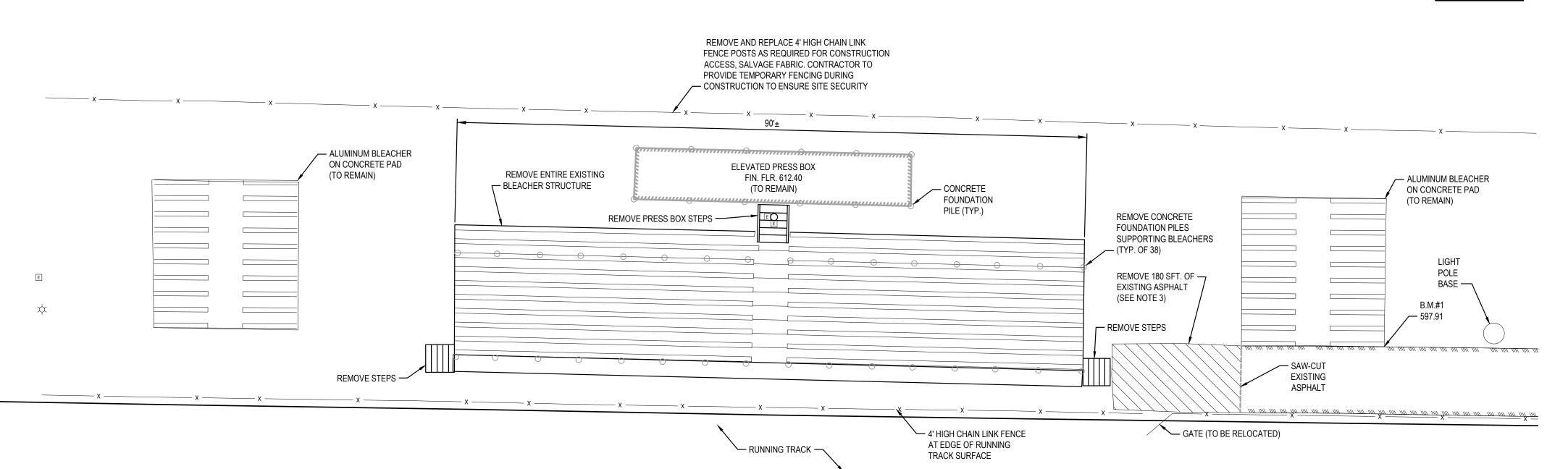
DEMOLITION NOTES:

- 1. ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH MIOSHA REGULATIONS INSOFAR AS THEY APPLY TO THE REQUIRED WORK.A SOIL EROSION CONTROL PLAN WILL BE REQUIRED PRIOR TO DEMOLITION.
- 2. THE CONTRACTOR SHALL REMOVE AND CLEAR ALL TREES, BRUSH, FENCES, BUILDINGS, CURB AND PAVEMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 3. ALL DEMOLITION MATERIAL SHALL BE PROPERLY REMOVED FROM THE SITE AND DISPOSED OF IN A LEGALLY DESIGNATED DISPOSAL AREA. NO ON-SITE BURNING WILL BE PERMITTED. PERMITS AND FEES FOR DISPOSAL OF DEMOLITION MATERIAL SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
- 4. BACKFILL EXCAVATED AREAS WITH CLEAN GRANULAR FILL COMPACTED TO 95% DENSITY IN 12" LIFTS.
- 5. AT THE CONCLUSION OF THE DEMOLITION OPERATIONS, THE ENTIRE WORK AREA SHALL BE LEFT IN A CLEAN CONDITION WITH ANY PROTECTIVE DEVICES AND BARRIERS REMOVED. ALL EXPOSED AREAS SHALL BE SUITABLE TOP SOILED, SEEDED AND MULCHED.
- 6. CONTRACTOR TO VERIFY ALL UTILITIES WITHIN CONSTRUCTION INFLUENCE. NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR SHALL COORDINATE WITH ALL LOCAL UTILITY OWNERS, IE; SBC, CONSUMERS ENERGY, CHARTER COMM., BANGOR TOWNSHIP AND ALL OTHERS THAT WOULD APPLY TO THE DISTURBED AREA OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY CONSTRUCTION SCHEDULING AND NOTES ON EACH SHEET PRIOR TO DEMOLITION. DEMOLITION TO BE SCHEDULED WITH OWNER AND ENGINEER.

DEMOLITION KEYED NOTES:

REMOVE EXISTING BITUMINOUS, SURFACES. SAWCUT PER PLAN OR TO NEAREST JOINT. SEE NOTE 3 THIS SHEET.

AREA REPRESENTED BY:







NO.1 - SOUTHWEST CORNER OF CONCRETE AT SOUTH SATELITE BLEACHER. ELEVATION = 597.91 (NAVD 88 DATUM)

UTILITY CONTACTS

TELEPHONE SERVICES ENGINEERING DEPT. ROOM 525 309 S. WASHINGTON AVENUE SAGINAW, MICHIGAN 48607

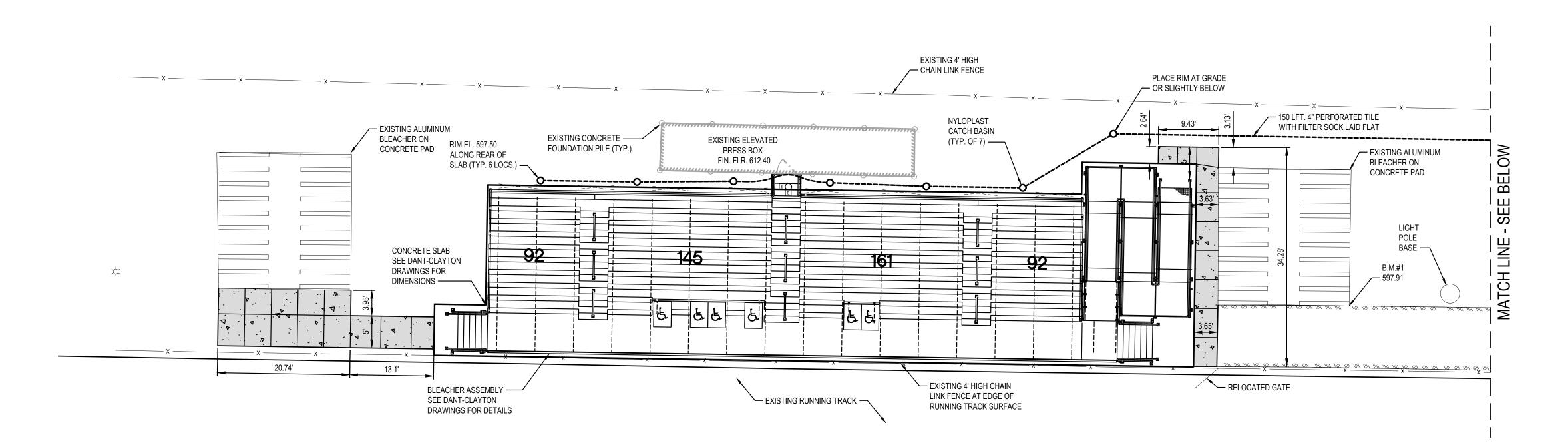
CONSUMERS ENERGY 2400 WEISS STREET SAGINAW, MICHIGAN 48602 (517) 791-5903

PUBLIC UTILITIES

BANGOR TOWNSHIP PUBLIC WORKS DEPT. 421 ARLINGTON ST. BANGOR, MICHIGAN 49013 TEL. (989) 427-7918

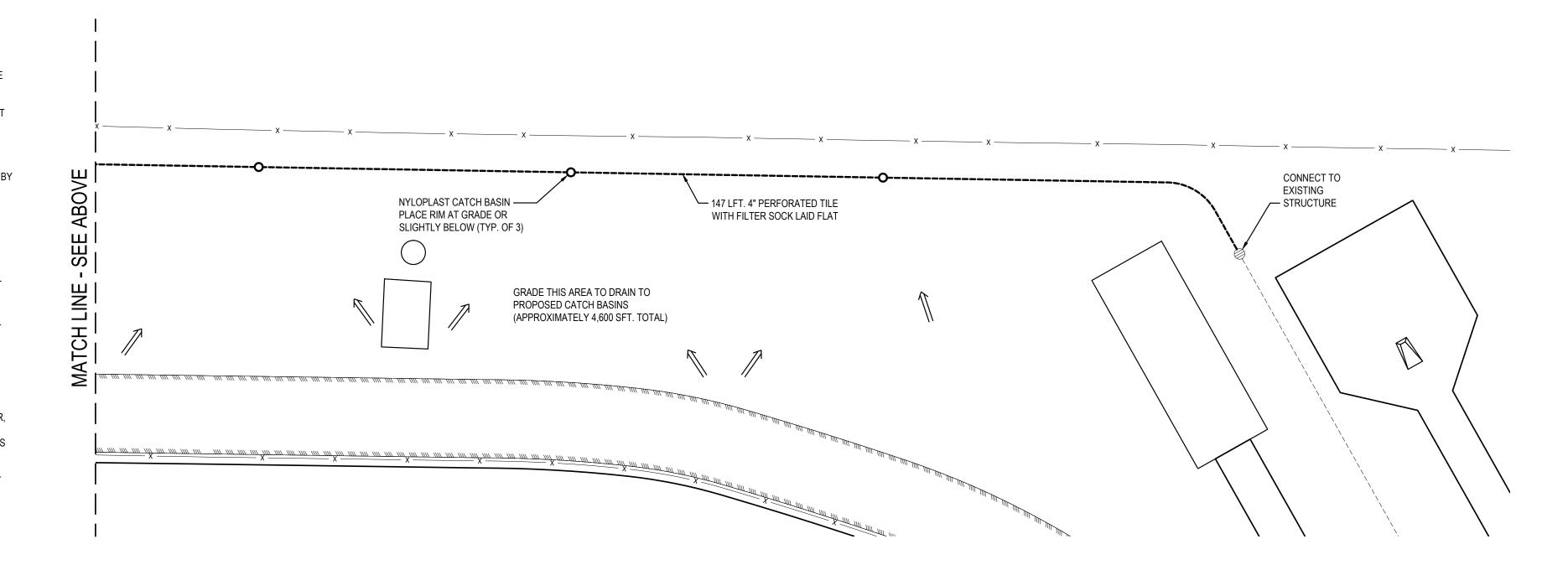
UTILITY NOTE

THE UTILITY LOCATIONS AS HEREIN SHOWN ARE BASED ON FIELD OBSERVATIONS AND A CAREFUL REVIEW OF MUNICIPAL AND UTILITY RECORDS. HOWEVER, IT IS NOT POSSIBLE TO DETERMINE THE PRECISE SIZE, LOCATION, DEPTH, PRESSURE, OR ANY OTHER CHARACTERISTICS OF UNDERGROUND UTILITIES, TANKS OR SEPTIC FIELDS WITHOUT EXCAVATION. THEREFORE, WE CANNOT GUARANTEE THE ACCURACY OF COMPLETENESS OF THE BURIED UTILITY INFORMATION HEREIN SHOWN. THE CONTRACTOR SHALL CALL "MISS DIG" AT (811) A MINIMUM OF THREE WORKING DAYS PRIOR TO ANY EXCAVATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE LOCATIONS PRIOR TO CONSTRUCTION AND MAKE EVERY EFFORT TO PROTECT AND/OR RELOCATE THEM AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF DESIGN AS SOON AS POSSIBLE IN THE EVENT A DISCREPANCY IS FOUND.



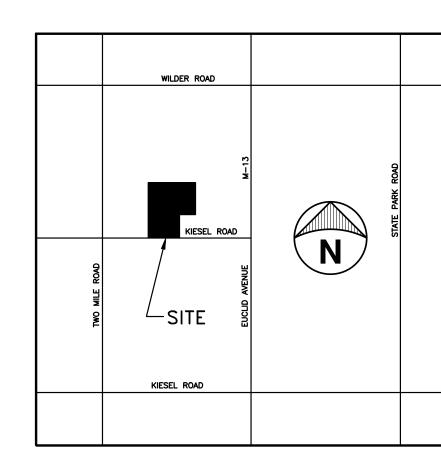
GENERAL SITE NOTES:

- 1. THE CONTRACTOR SHALL CALL "MISS DIG", 811, A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING ON THE PROJECT TO VERIFY EXISTING UNDERGROUND UTILITIES.
- 2. THE EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DRAWN IN ACCORDANCE TO THE INFORMATION PROVIDED. ALL UTILITIES SHALL BE FIELD LOCATED BY THE CONTRACTOR PRIOR TO CROSSING. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- DURING THE LIFE OF THE PROJECT, THE CONTRACTOR SHALL CONFORM TO ACT No. 451, PUBLIC ACTS OF 1994, RELATIVE TO THE SOIL EROSION AND SEDIMENTATION CONTROL ACT.
- 4. CLEANUP SHALL INCLUDE DEBRIS REMOVAL, ROUGH GRADING, MINIMUM 4" TOPSOIL PLACEMENT, SEEDING, AND FERTILIZING OVER ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS.
- CONTRACTOR TO SUPPLY ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. ALL COSTS FOR LOCATING, REMOVING, REPLACING OR RELOCATING THESE UTILITIES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH LIKE MATERIAL AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL NOTIFY PROPER GOVERNMENTAL INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE ALL WORK IN AN EXPEDITIOUS MANNER AND SHALL NOT STOP CONSTRUCTION FOR EXTENDED PERIODS ONCE CONSTRUCTION HAS BEGUN.
- THE CONTRACTOR SHALL MAINTAIN IN SERVICE, ALL EXISTING SANITARY SEWER, WATER OR STORM SEWER SERVICE CONNECTIONS WHENEVER POSSIBLE. COORDINATE WITH LOCAL UTILITY COMPANY AND OWNER BEFORE ANY UTILITIES TO BE OUT OF SERVICE FOR A PERIOD OF TIME.
- 10. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING AND/OR GRADING OPERATIONS.
- 11. SEE CONCRETE SLAB PLAN FOR GRADES.

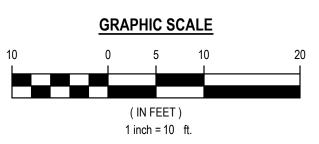








LOCATION MAP NOT TO SCALE



LECEND

<u>LEGEND</u>					
	EX. SPOT GRADE EX. MINOR CONTOUR EX. MAJOR CONTOUR EX. CENTERLINE DITCH				
SAN	EX. SANITARY SEWER W/MANHOLE				
STM	EX. STORM SEWER				
WAT	EX. WATERMAIN				
ELEC	EX. ELECTRIC LINES				
	EX. CHAINLINK FENCE EX. WOOD FENCE				
	EX. GAS LINES				
COMM	EX. COMMUNICATION LINES				
	EX. OVERHEAD UTILITY WIRES EX. RAILROAD CENTERLINE				
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<i> </i>	EX. BITUMINOUS PAVEMENT				
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	EX. STORM CATCH BASIN/MANHOLE				
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©	EX. SEWER CLEANOUT				
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E	EX. ELECTRICAL BOX				

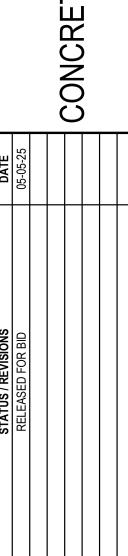
EX. TRANSFORMER

CHCKED BY: J. WHEELER DESIGNED BY: D.W.BANASZAK DRAWN BY: D.W.BANASZAK

SCHOOL DISTRICT REPLACEMENT

BANGOR TOWNSHP SC VISITORS BLEACHER R
3201 KIESEL ROAD
BAY CITY, MI 48706

PROJECT #: 24-1719-0370



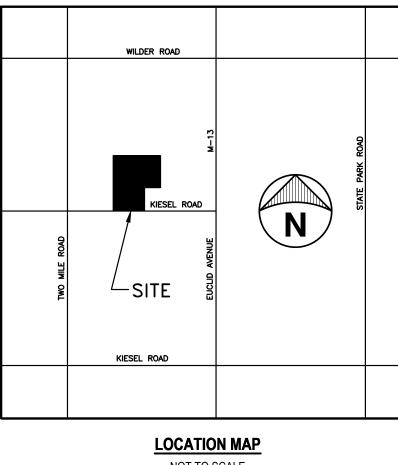
CHCKED BY: J. WHEELER DESIGNED BY:

D.W.BANASZAK DRAWN BY:

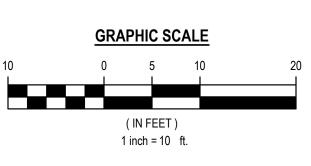
D.W.BANASZAK

PROJECT #: 24-1719-0370

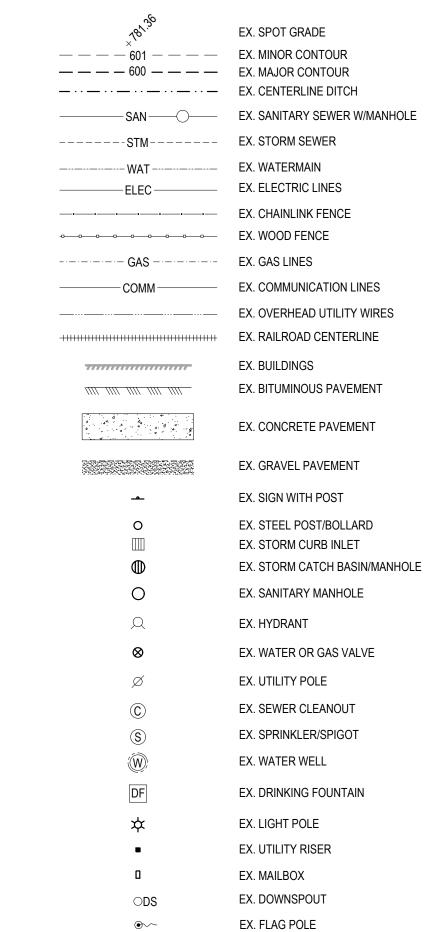
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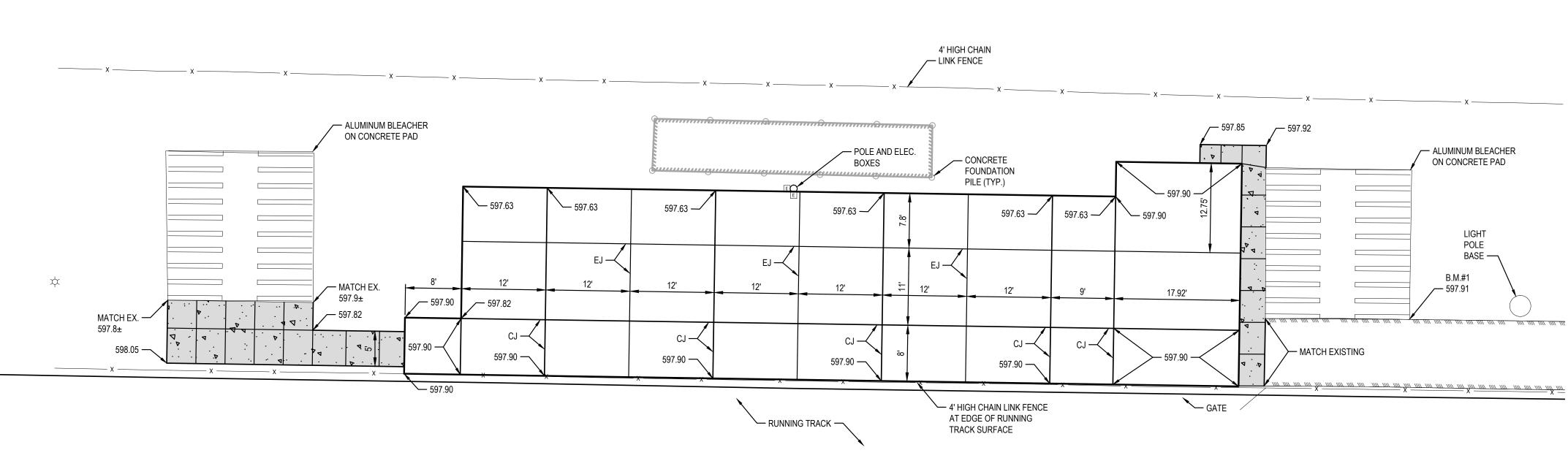


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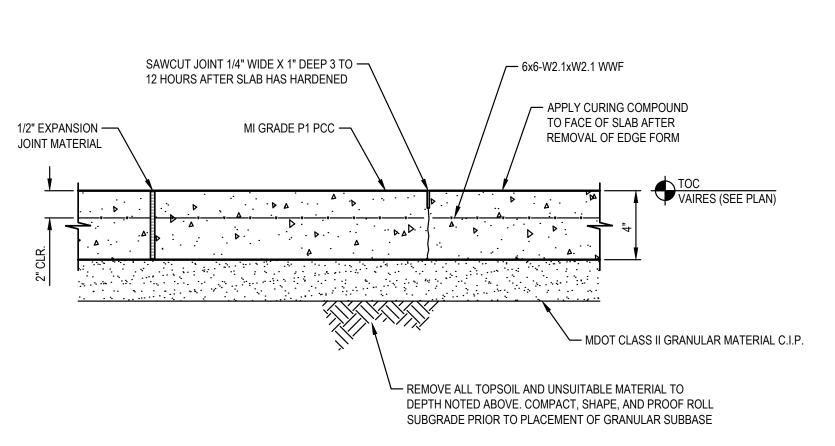


EX. ELECTRICAL BOX

EX. TRANSFORMER



NOTE: VERIFY ALL SLAB DIMENSIONS WITH LATEST DANT-CLAYTON DRAWINGS.



4" CONCRETE SLAB DETAIL



