### **PROPERTY DESCRIPTION:**

GENERAL INFORMATION:

PARCEL NOS.: 17-34-412-022, 17-34-412-023, 17-34-412-024, & PLATTED 66' R.O.W. EAST ST (NOT CONSTRUCTED) COMMUNITY SERVICE DISTRICT (CS) ZONING: 0.57 AC (BEACH AREA AS DESCRIBED) AREA: PRESENT USE: PUBLIC BEACH PROPOSED USE: PUBLIC BEACH

MERCER BEACH DESCRIPTION. AS SURVEYED:

Lots 33, 34, 35, 36 and part of East Street (as platted and not constructed) of "SUPERVISOR'S PLAT NO. 2", a subdivision as recorded in Liber 54A of Plats, Pages 54 and 54A, Oakland County Records, being part of the Southeast 1/4 of Section 34, T2N-R8E, Commerce Township, Oakland County, Michigan, more particularly described as follows: BEGINNING at the Northwest corner of Lot 36; thence along the South line of Walled Lake Drive (Platted as Main Street - 66 feet wide), N 86°54'21" E, 263.60 feet (recorded as S 88°36'20"E, 263.77 feet), to the Northwest Corner of Lot 32; thence along the East line of East Street (as platted) and the West line of Lot 32, S 03°35'09" E (recorded as S 01°23'40" W), 78.88 feet, to Traverse Point "A"; thence continuing S 03°35'09" E, 25 feet, more or less, along the extended line of Lot 32, to the water's edge of Walled Lake; thence westerly along the water's edge of Walled Lake, 266 feet, more or less, thence along the West line of Lot 36, extended, N 03°05'33" W, 47 feet, more or less, to Traverse Point "B", said point being N 87°43'00" W, 265.45 feet, along an intermediate Traverse Line, from Traverse Point "A"; thence continuing along the West line of Lot 36, N 03°05'33" W, 54.00 feet, to the POINT OF BEGINNING, containing 0.57 acres, more or less, and including the use of Walled Lake Drive. Also subject to any easements or restrictions of record.

Tax Parcels: 17-34-412-022, 17-34-412-023, 17-34-412-024 & part of East Street (as platted)

Bearings are based on Michigan State Plane Coordinate System, South Zone.

### CONSTRUCTION NOTES

THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING NOTES AND ANY WORK INVOLVED SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT:

1. DO NOT SCALE THESE DRAWINGS AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION. 2. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL SHALL BE OBTAINED FROM THE GOVERNING AGENCY PRIOR TO THE START OF CONSTRUCTION

3. IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL W TANK TRUCK

4. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS.

5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CITY, COUNTY, AND STATE OF MICHIGAN PERMITS. 6. PAVED SURFACES, WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MAINTAINED IN A SAFE. ATTRACTIVE CONDITION AS

ORIGINALLY DESIGNED AND CONSTRUCTED

7. ALL BARRIER-FREE FEATURES SHALL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND A.D.A. REQUIREMENTS

IIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION

9. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHTS-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE STA OF CONSTRUCTION.

10. THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING LANDSCAPING, IRRIGATION LINES & PRIVATE UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPING, IRRIGATION LINES, AND PRIVATE UTILITY LINES.

11. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.

12. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKERS AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.

13. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT THE END OF EACH WORK DAY. 14. THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

15. ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PUBLIC PAVEMENT, EXISTING OR PROPOSED SHALL BE BACKFILLED AND COMPACTED WITH SAND (MDOT CLASS II).

16. ALL PAVEMENT REPLACEMENT AND OTHER WORKS COVERED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY, INCLUDING THE LATEST MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

17. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES.

18. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY DELAY OR INCONVENIENCE DUE TO THE MATERIAL SHORTAGES OR RESPONSIBLE DELAYS DUE TO THE OPERATIONS OF SUCH OTHER PARTIES DOING WORK INDICATED OR SHOWN ON THE PLANS OR IN THE SPECIFICATION OR FOR ANY REASONABLE DELAYS IN CONSTRUCTION DUE TO THE ENCOUNTERING OR EXISTING UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.

19. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT.

20. IF WORK EXTENDS BEYOND NOVEMBER 15, NO COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED BY THE ENGINEER.

21. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTRUCTION LIMITS INCLUDING BUT NOT LIMITED TO EXISTING FENCE, LAWN, TREES AND SHRUBBERY. 23. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE NORMAL CONSTRUCTION LIMITS OF THE PROJECT SHALL BE SODDED OR SEEDED

AS SPECIFIED OR DIRECTED BY THE ENGINEER. 24. ALL ROOTS, STUMPS AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND THE HOLE BACKFILLED WITH SUITABLE MATERIAL.

WHERE GRADE CORRECTION IS REQUIRED, THE SUBGRADE SHALL BE CUT TO CONFORM TO THE CROSS-SECTION AS SHOWN IN THE PLANS. 25. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SIGNS AND TRAFFIC CONTROL DEVICES. FLAG PERSONS SHALL BE PROVIDED BY THE CONTRACTOR IF DETERMINED NECESSARY BY THE ENGINEER. ALL SIGNS SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AT NO COST TO THE CITY. NO WORK SHALL BE COMPLETED UNLESS THE APPROPRIATE TRAFFIC CONTROL DEVICES ARE IN PLACE.

26. ALL DEMOLISHED MATERIALS AND SOIL SPOILS SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST, AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

27. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT. 28. ALL GRADING IN THE PLANS SHALL BE COMPLETED AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING.

29. NO SEEDING SHALL BE COMPLETED AFTER OCTOBER 15 WITHOUT APPROVAL OF THE ENGINEER. 30. ANY EXISTING APPURTENANCES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE

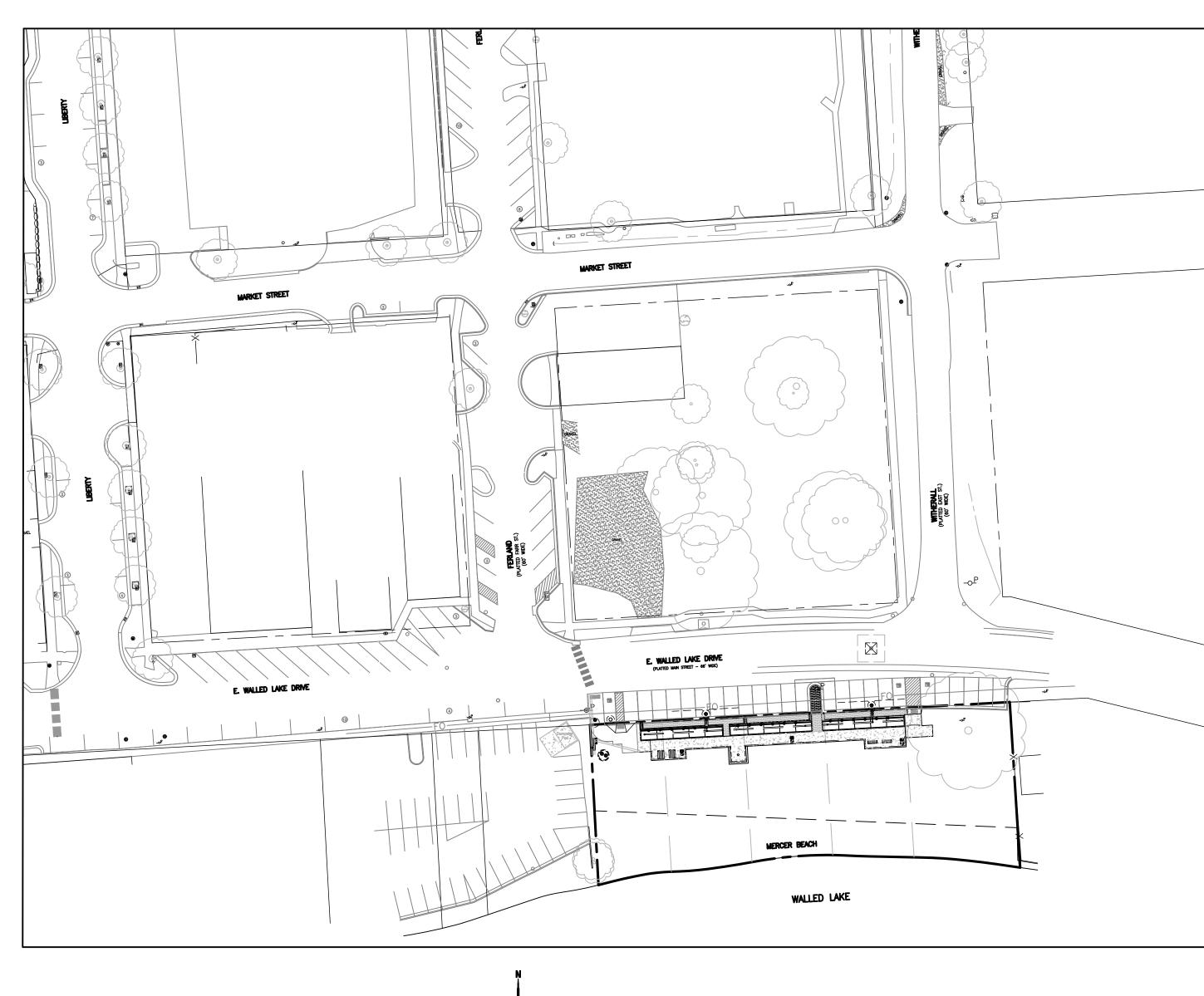
CONSIDERED INCIDENTAL TO THE CONTRACT. 31. SOIL EROSION MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION HAS BEEN RE-ESTABLISHED.

32. ALL PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MICHIGAN MUTCD MANUAL AND SHALL BE INCIDENTAL TO THE CONTRACT.

## **INDEMNIFICATION STATEMENT**

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

# CONSTRUCTION PLAN FOR CITY OF WALLED LAKE MERCER BEACH IMPROVEMENT, PHASE 2 E. WALLED LAKE DRIVE CITY OF WALLED LAKE, OAKLAND COUNTY, MICHIGAN



OVERALL SITE MAP SCALE: 1" = 50'





	SHEET INDEX
SHEET NO.	DESCRIPTION
C1 C2 C3 C4 C5 C6A C6B C7 C8 C9	COVER SHEET EXISTING CONDITIONS & SELECTIVE DEMOLITION PLAN SITE PLAN GRADING & DRAINAGE PLAN LANDSCAPE PLAN LIGHTING & ELECTRICAL PLAN LIGHTING & ELECTRICAL DETAILS SOIL EROSION CONTROL PLAN BIO-RETENTION & MISC. CONSTRUCTION DETAILS OCWRC SOIL EROSION CONTROL DETAILS

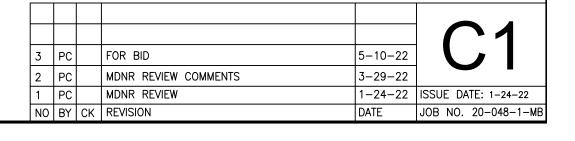


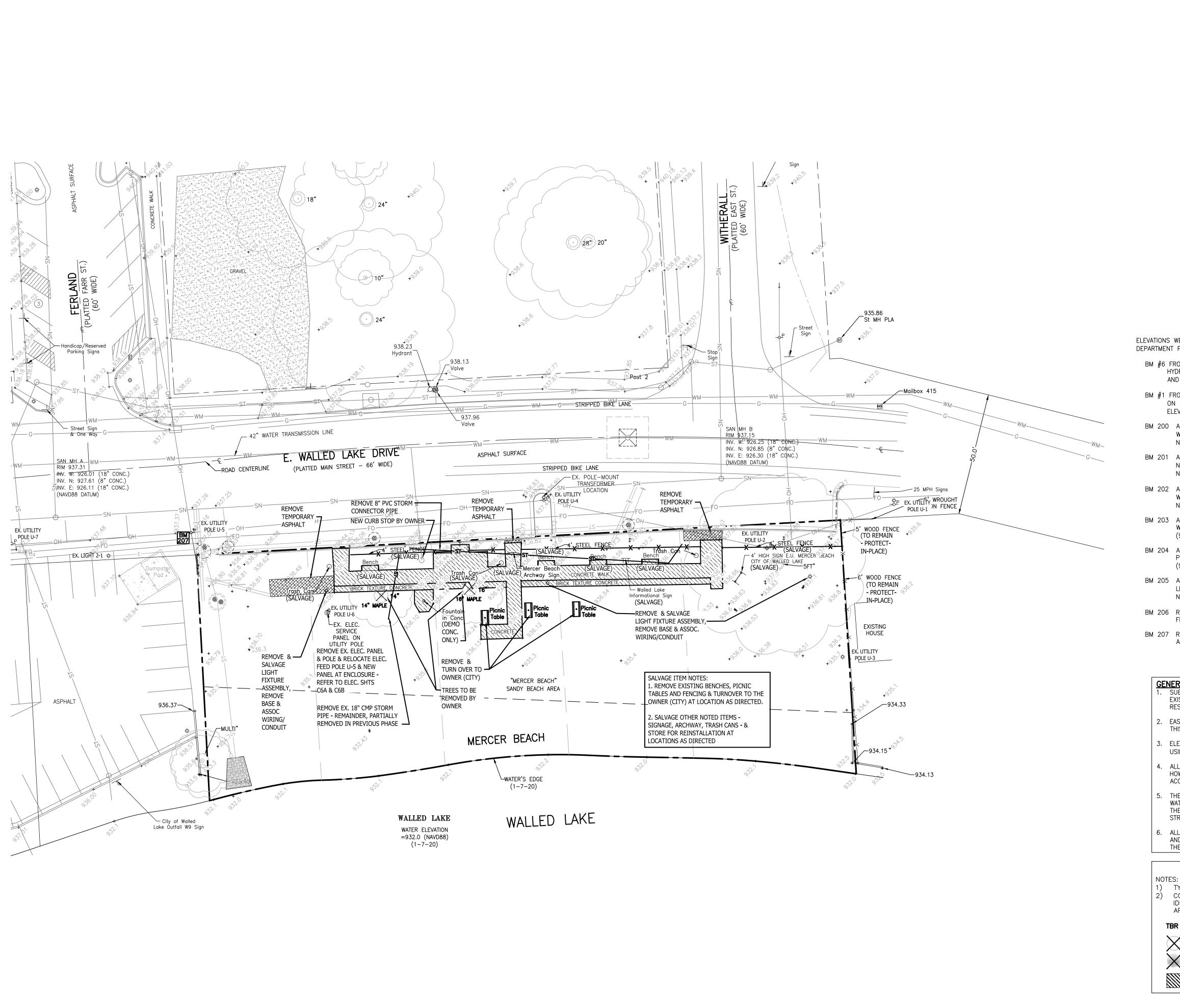
PREPARED FOR: CITY OF WALLED LAKE 1499 E. WEST MAPLE ROAD WALLED LAKE, MI 48390 CONTACT: CHELSEA PESTA PHONE: (248) 624-4847 CPESTA@CWALLEDLAKE.COM





HOWELL, MI. 48843 517.546.4836 FAX 517.548.1670 CONTACT: BRADD MAKI





## SELECTIVE DEMOLTION PLAN

ELEVATIONS WERE ESTABLISHED RELATIVE TO WATER AND SEWER DEPARTMENT PLANS FOR 42" WATERMAN:

BM #6 FROM DRAWING SHEET NO. WS-611-8 = ARROW ON HYDRANT, NW CORNER OF INTERSECTION OF WALLED LAKE AND PONTIAC TRAIL. ELEVATION = 941.58 (940.93 NAVD88)

BM #1 FROM DRAWING SHEET NO. WS-611-9 = TOP OF S. BOLT ON HYDRANT N/S WALLED LAKE RD AT HOUSE #350. ELEVATION = 948.90 (948.25 NAVD88)

- BM 200 ARROW ON HYDRANT NE QUADRANT OF INTERSECTION OF WITHERALL AND MARKET. ELEVATION = 955.39 (954.74 NAVD88)
- BM 201 ARROW ON HYDRANT SW QUADRANT OF INTERSECTION OF NORTHPORT AND FERLAND. ELEVATION = 955.51 (954.86 NAVD88)
- BM 202 ARROW ON HYDRANT N/S WALLED LAKE RD, 120" W. OF WITHERALL AND MARKET. ELEVATION = 941.21 (940.56NAVD88)
- BM 203 ARROW ON HYDRANT, NW CORNER OF INTERSECTION OF WALLED LAKE AND PONTIAC TRAIL. ELEVATION = 941.58 (940.93 NAVD88)
- BM 204 ARROW ON HYDRANT NW QUADRANT OF INTERSECTION OF PONTIAC TRAIL AND NORTHPORT. ELEVATION = 950.91(950.26 NAVD88)
- BM 205 ARROW ON HYDRANT SE QUADRANT OF INTERSECTION OF LIBERTY AND MARKET. ELEVATION = 944.56 (943.91 NAVD88)
- BM 206 RR SPIKE ON POWER POLE 115' SOUTH OF CL OF FERLAND AND MARKET INTERSECTION. ELEVATION 942.80
- BM 207 RR SPIKE ON POWER POLE AT SE QUADRANT OF FERLAND AND EAST WALLED LAKE. ELEVATION = 938.40

### **GENERAL SURVEY NOTES:**

SUBSURFACE UTILITIES NOT LOCATED FOR THIS SURVEY MAY EXIST. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO ACCURATELY LOCATE SUCH UTILITIES. . EASEMENTS OR RESTRICTIONS OF RECORD NOT DEPICTED ON THIS DRAWING MAY EXIST.

3. ELEVATIONS WERE ESTABLISHED FROM GPS OBSERVATION AND USING OPUS POST-PROCESS SYSTEM. (NAVD88 DATUM)

- . ALL ELEVATIONS ARE SHOWN TO THE NEAREST 0.01 FOOT; HOWEVER SOFT-SURFACE ELEVATIONS CAN ONLY BE PRESUMED ACCURATE TO THE NEAREST 0.1 FOOT.
- . THE LOCATIONS OF STORM SEWER, SANITARY SEWER & WATERMAIN, AS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE LOCATIONS ARE BASED ON PHYSICAL FIELD LOCATIONS OF STRUCTURES OR FROM PROVIDED UTILITY DRAWINGS.
- 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY, THE COUNTY, AND

### DEMOLITION LEGEND

1) TYPICAL – DEMOLITION ITEMS NOTED & SHOWN IN **BOLD** 2) CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF IDENTIFIED ITEMS FROM THE SITE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, STATE, & FEDERAL STATUTES

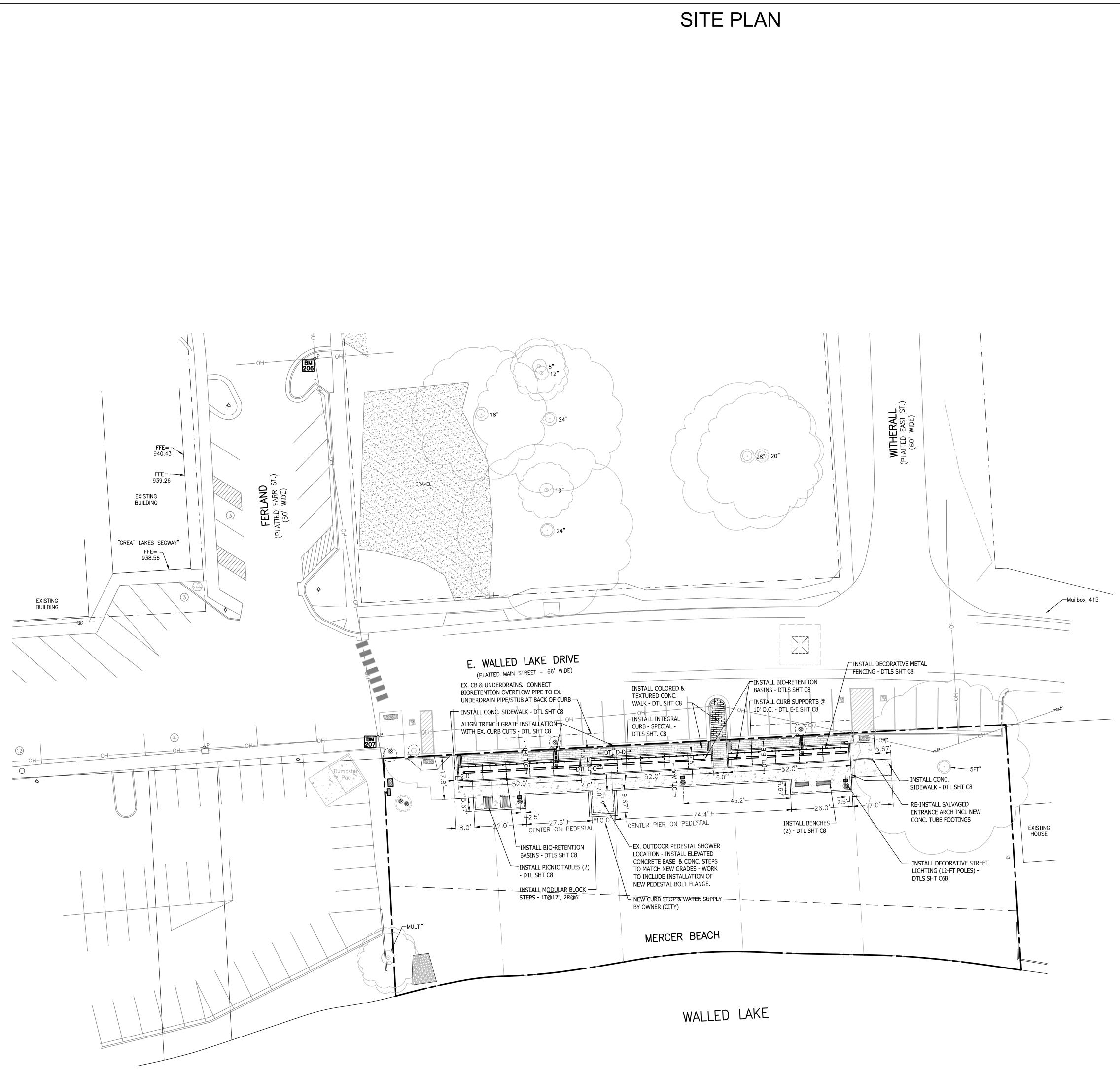
TBR TO BE REMOVED

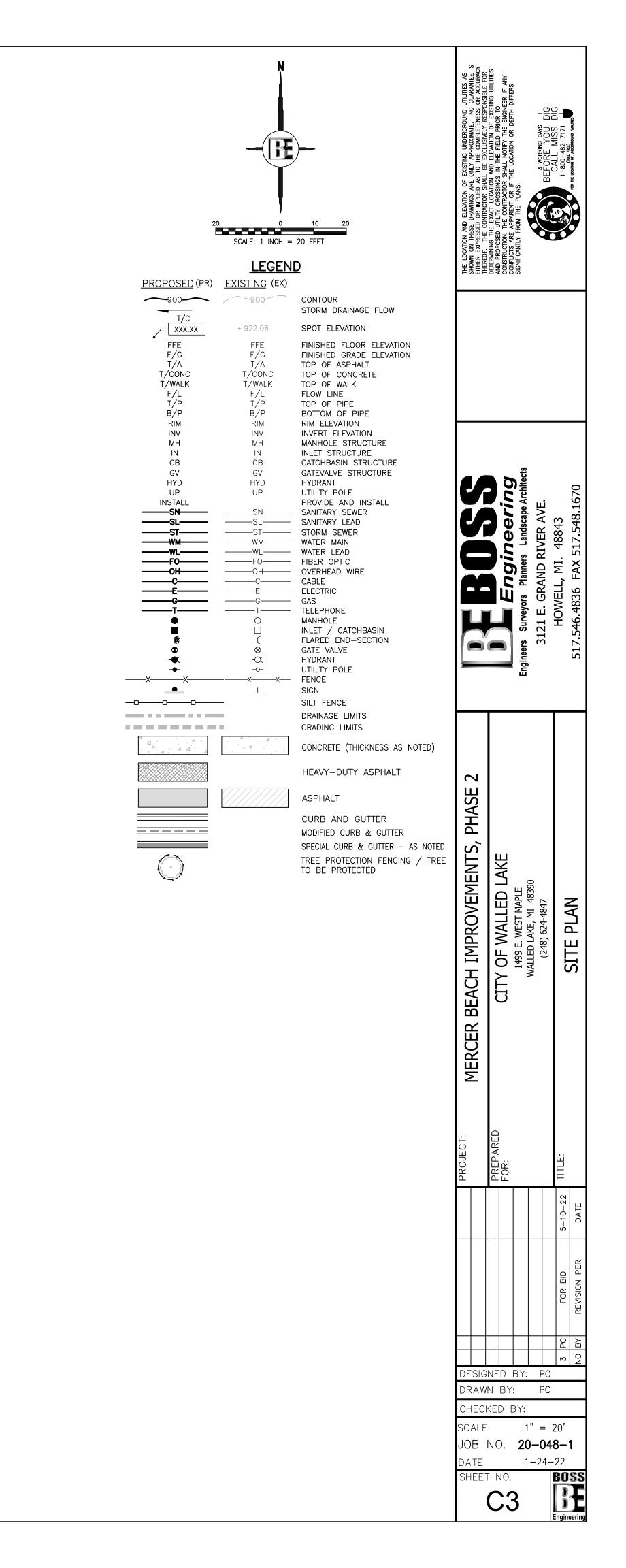
THE STATE OF MICHIGAN.

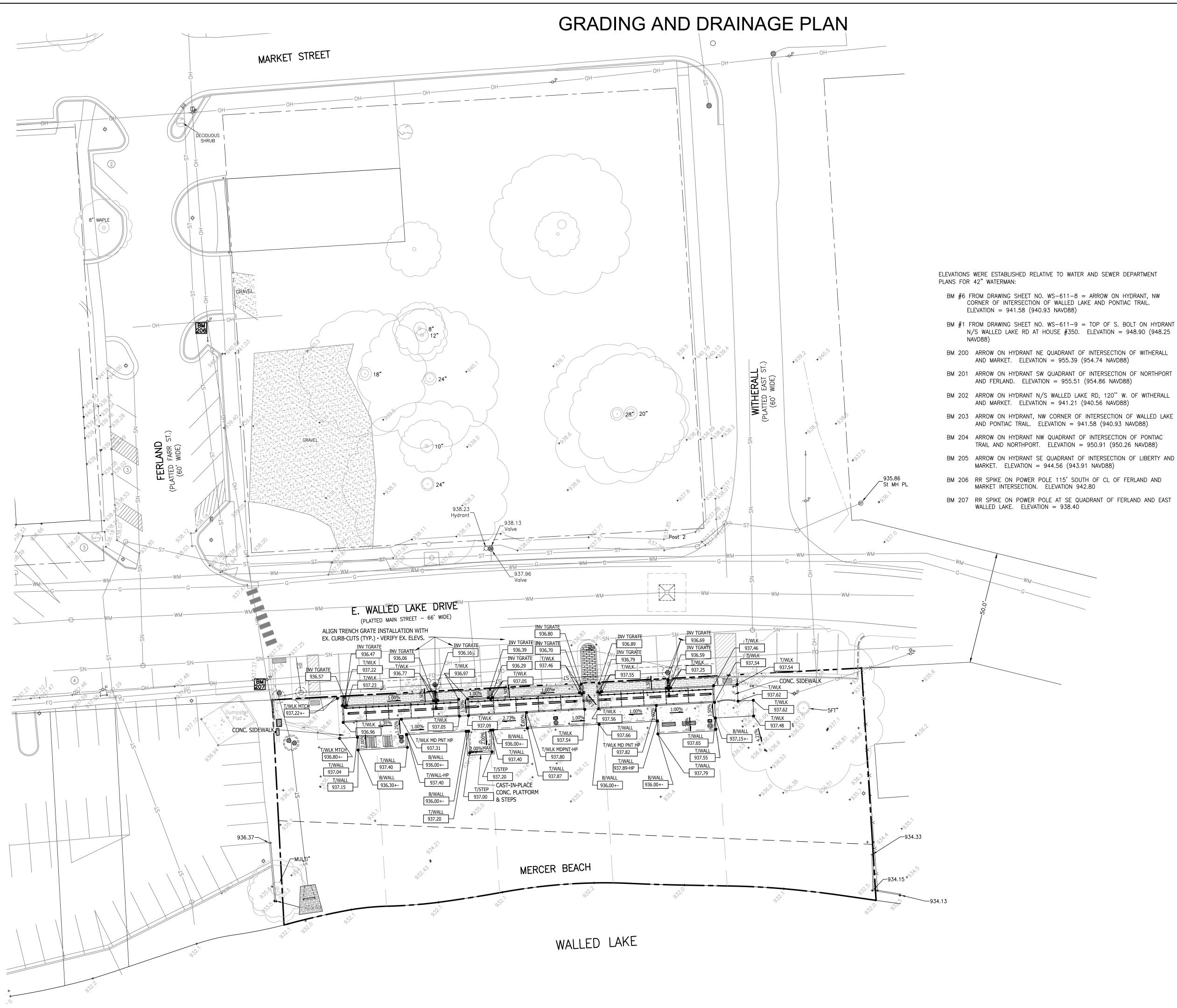
- TREE/SHRUB TO BE REMOVED
- CONCRETE TO BE REMOVED

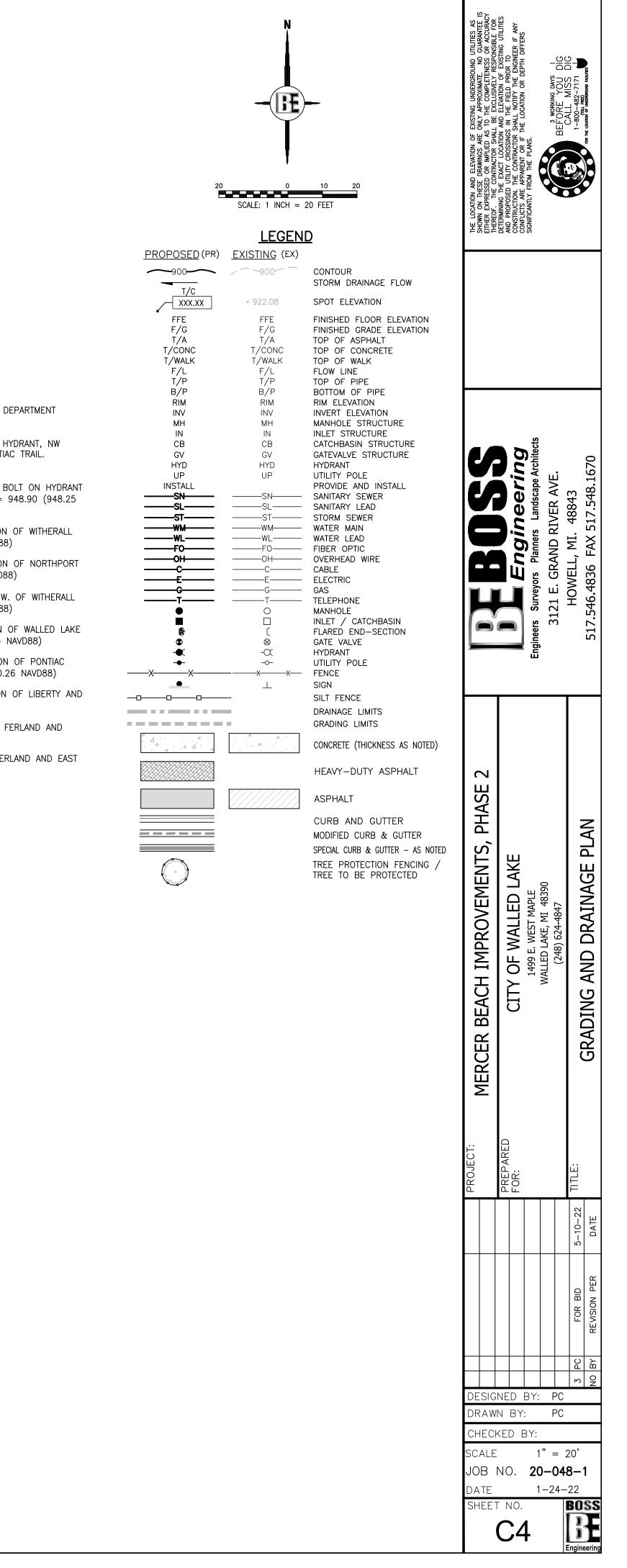
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20	0 10 20
SCALE: 1	INCH = 20 FEET
	GEND
	EXISTING CONTOUR EXISTING SPOT ELEVATION
	STORM DRAINAGE FLOW
_o₽ ↓	POWER POLE
	GUY WIRE TRANSFORMER PAD
E	ELECTRICAL RISER
E	U.G. ELECTRIC MARKER
¢	ELECTRICAL METER
÷	ORNAMENTAL LIGHT
Q	HYDRANT
⊗ ₩	GATE VALVE WATER MANHOLE
0	MANHOLE
$\oplus$	STORM CATCH BASIN (BEEHIVE)
<b>∃</b> (	STORM CATCH BASIN (SQUARE) STORM INVERT
Ī	TELEPHONE RISER
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© <sub>G</sub> G	GAS METER GAS RISER
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	DECIDUOUS TREE
	CONIFEROUS TREE SOIL BORING
0	STEEL ROD SET
•	STEEL ROD/PIPE FOUND
	MONUMENT SECTION CORNER
	SANITARY SEWER
—WM —	WATER MAIN
——ST—— —— G ——	STORM SEWER
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CONC.	
SAN MH	SANITARY MANHOLE
	STORM MANHOLE
_	CENTERLINE LIBER
	PAGE
	LIVINGSTON COUNTY RECORDS
(R&M) P.O.B.	RECORD AND MEASURED POINT OF BEGINNING
Č.	HANDICAP SYMBOL
	HUB
	WOOD LATH SET

THE LOCATION AND ELEVATION OF EXISTING UNDERCROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREFE THE CONTRACTOR SHALL BE FXCLLISIVELY PEREDUNSIAL FOR	DETERMINING THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONSTRUCTION. THE EDAPARENT OF IF THE LOCATION OF DEPTH INFERES	SIGNIFICANTLY FROM THE PLANS.	BEFORE YOU DIG	CALL MISS DIG	FOR THE LOCATION OF UNDERFORMED FACILITIES
	Endineering	Engineers Surveyors Planners Landscape Architects	3121 E. GRAND RIVER AVE.	HOWELL, MI. 48843	517.546.4836 FAX 517.548.1670
NTS, PHASE 2	) LAKE	LE 3390			CIIVE DEMOLITION PLAN
ROJECT: MERCER BEACH IMPROVEMENTS, PHASE 2	CITY	1499 E. WEST MAPLE WALLED LAKE, MI 48390	(248) 624-4847	TLE: 	EXISTING CONDITIONS & SELECTIVE
MERCER BEACH IMPROVEME	PREPARED CITY OF WALLED FOR:	1499 E. WEST MAP WALLED LAKE, MI 4	(248) 624-4847	5-10-22 TITLE:	
		1499 E. WEST MAP       MALLED LAKE, MI 44	(248) 624-4847	FOR BID 5-10-22 TITLE:	
PROJECT:	PREPARED FOR:			BID 5-10-22 TIT	PER DATE
PROJECT:	PREPARED	BY:	건 건 건 (248) 624-4847	PC FOR BID 5-10-22 TIT	BY REVISION PER DATE
PROJECT:	PREPARED	BY: : 3Y:	PC PC	02 3 PC FOR BID 5-10-22 TIT	NO BY REVISION PER DATE









### **GENERAL LANDSCAPE SPECIFICATIONS:**

- ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING MUNICIPALITY. ALL STOCK SHALL BE NURSERY GROWN, CONFORMING TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK", AND IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. STOCK SHALL EXHIBIT NORMAL GROWTH HABIT AND BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS, OR DISFIGUREMENT. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED OR CONTAINER STOCK. NO BARE ROOT STOCK IS PERMITTED. ALL PLANT BALLS SHALL BE FIRM, INTACT, AND SECURELY WRAPPED AND BOUND.
- ALL PLANT BED MATERIALS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS, OTHER EXTRANEOUS OBJECTS, AND POOR SOILS TO A MINIMUM DEPTH OF 12-INCHES AND BACKFILLED TO GRADE WITH SPECIFIED PLANTING MIX (SEE BELOW).
- PLANTING MIXTURE SHALL CONSIST OF 5 PARTS TOPSOIL FROM ON-SITE (AS APPROVED), 4 PARTS COARSE SAND, 1 PART SPHAGNUM PEAT MOSS (OR APPROVED COMPOST), AND 5 LBS OF SUPERPHOSPHATE FERTILIZER PER CU. YD. OF MIX. INGREDIENTS SHALL BE THOROUGHLY BLENDED FOR UNIFORM CONSISTENCY.
- ALL PLANT BEDS AND INDIVIDUAL PLANTS, NOT OTHERWISE NOTED SHALL BE MULCHED WITH A 4-INCH LAYER OF SHREDDED BARK MULCH. EDGE OF MULCH BEDS AS SHOWN. DECIDUOUS TREES IN LAWN AREAS SHALL RECEIVE A 5-FT DIAMETER CIRCLE OF MULCH AND CONIFER TREES 8-FT (PLANTED CROWN OF TREE) UNLESS OTHERWISE NOTED.
- LANDSCAPE STONE SHALL BE INSTALLED WHERE NOTED OR INDICATED (HATCHED). STONE SHALL BE 3/4"-1-1/4" WASHED RIVER GRAVEL OR AS SELECTED AND SHALL BE INSTALLED TO A MINIMUM DEPTH OF 3-INCHES.
- ALL LANDSCAPE BEDS, UNLESS OTHERWISE NOTED SHALL BE INSTALLED OVER WEED BARRIER FABRIC - WATER PERMEABLE FILTRATION FABRIC OF NON-WOVEN POLYPROPYLENE OR POLYESTER FABRIC. FABRIC SHALL BE OF SUITABLE THICKNESS FOR APPLICATION.
- . ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING OPERATIONS.
- . THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF 1 YEAR FROM THE DATE THE WORK IS ACCEPTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE, WITHOUT COST TO THE OWNER, WITHIN A SPECIFIED PERIOD OF TIME, ALL DEAD PLANTS, AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT, DURING AND AT THE END OF THE GUARANTEE PERIOD. REPLACEMENT STOCK SHALL CONFORM TO THE ORIGINAL SPECIFICATIONS.
- 0. EDGING SHALL BE PROVIDED FOR ALL LANDSCAPE BEDS NOT ADJACENT TO CONCRETE PAVEMENT. EDGING SHALL BE BLACK ALUMINUM EDGING, 3/16-INCH X 4-INCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS, ALL EDGING SHALL BE INSTALLED IN STRAIGHT LINES OR SMOOTH CURVES WITHOUT IRREGULARITIES.
- 1. SOD SHALL BE DENSE, WELL ROOTED TURF, FREE OF WEEDS. IT SHALL BE COMPRISED OF A BLEND OF AT LEAST TWO KENTUCKY BLUE GRASSES AND ONE FESCUE. IT SHALL HAVE A UNIFORM THICKNESS OF 3/4-INCH AT TIME OF PLANTING, AND CUT IN UNIFORM STRIPS NOT LESS THAN 10-INCHES BY 18-INCHES. SOD SHALL BE KEPT MOIST AND LAID WITHIN 36-HOURS AFTER CUTTING.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ALL SODDED AREAS THAT BROWN-OUT OR HAVE NOT FIRMLY KNITTED TO THE SOIL BASE WITHIN A PERIOD OF 1 MONTH SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNER.
- 12. ALL AREAS OF THE SITE THAT BECOME DISTURBED DURING CONSTRUCTION AND ARE NOT TO BE PAVED, STONED, LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED.

SEE MIXTURE SHALL BE AS FOLLOWS: KENTUCKY BLUEGRASS (CHOOSE 3 VARIETIES – ADELPHI, RUGBY, GLADE, OR PARADE) RUBY RED OR DAWSON RED FINE FESCUE ATLANTA RED FESCUE PENNFINE PERENNIAL RYE

THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 250 LBS PER ACRE. PRIOR TO SEEDING, THE TOPSOIL SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10-0-10 ANALYSIS:

30%

30%

20%

20%

10% NITROGEN - MIN 25% FROM A UREA FORMALDEHYDE SOURCE 0 % PHOSPHATE 10% POTASH – SOURCE POTASSIUM SULFATE OR POTASSIUM NITRATE

THE FIRST FERTILIZER APPLICATION SHALL BE AT A RATE OF 10 LBS PER 1000 SQ FT OF BULK FERTILIZER.

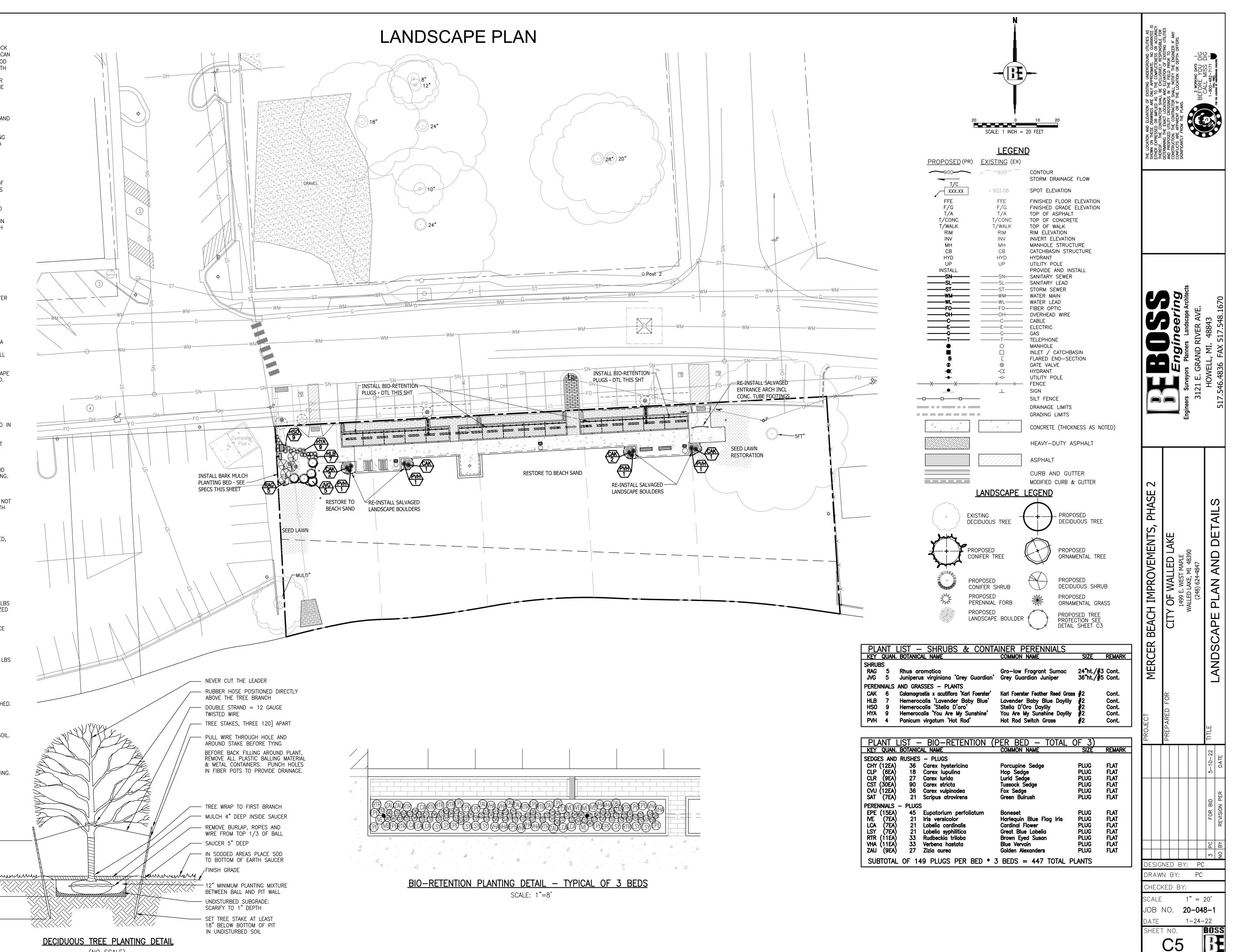
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ANY PART OF THE AREA THAT FAILS TO SHOW A UNIFORM GERMINATION SHALL BE RE-SEEDED AND SUCH RE-SEEDING SHALL CONTINUE UNTIL A DENSE LAWN IS ESTABLISHED. DAMAGE TO SEEDED AREAS RESULTING FROM EROSION SHALL BE REPAIRED BY THE CONTRACTOR.

13. ALL AREAS OF THE SITE SCHEDULED FOR SEEDING OR SODDING SHALL FIRST RECEIVE A 6-INCH LAYER OF CLEAN, FRIABLE TOPSOIL. THE SOIL SHALL BE DISCED AND SHALL BE GRADED IN CONFORMANCE WITH THE GRADING PLAN.

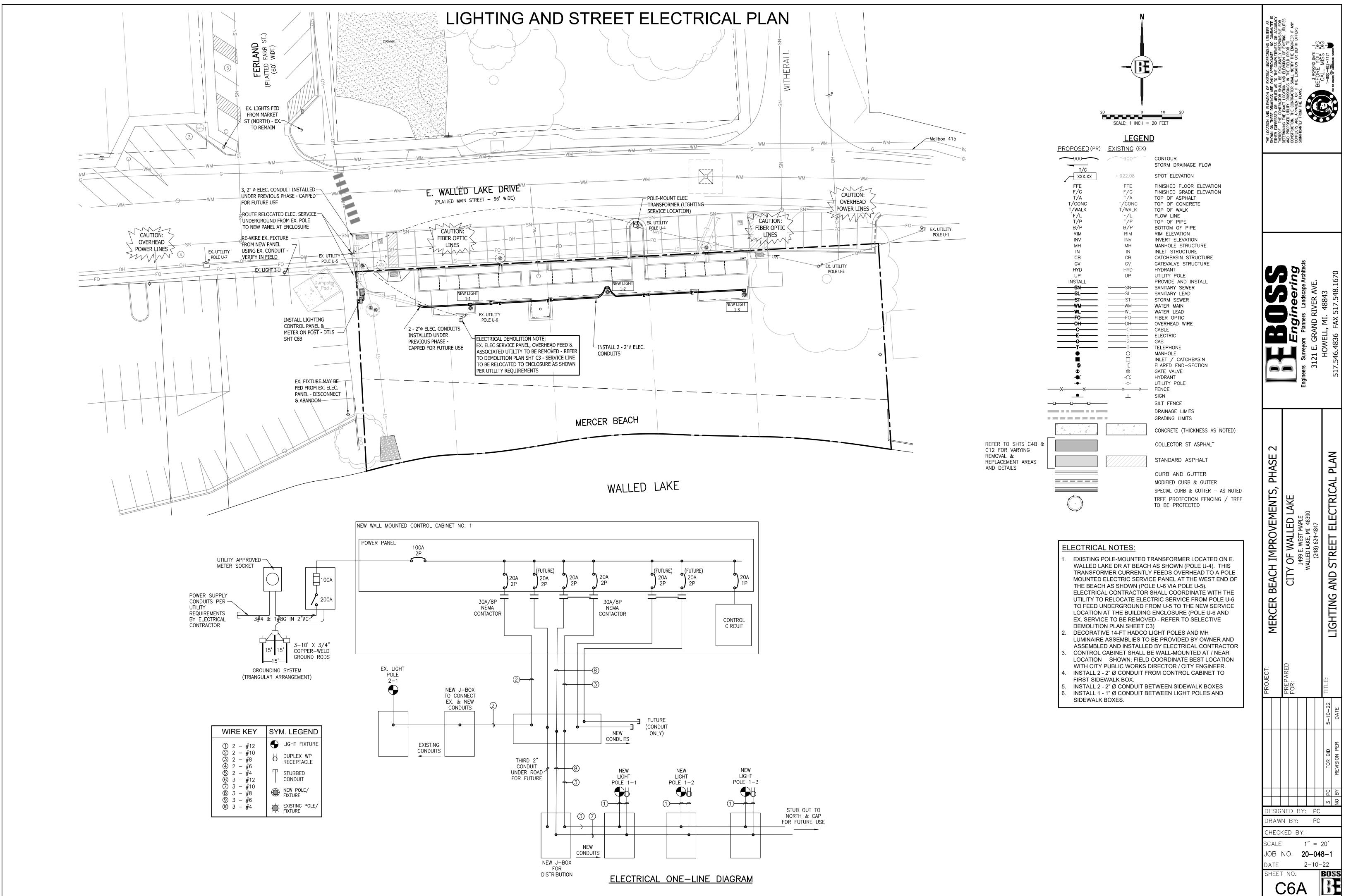
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND TO INFORM THE LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING.

PRUNE BROKEN OR MISSHAPEN – RETAIN NATURAL SHAPE	
IN SODDED AREAS PLACE SOD TO BOTTOM OF EARTH SAUCER	A 1
REMOVE BALLING MATERIAL &/OR	مرً (
CONTAINER.	mran
MIN. 4" SHREDDED MULCH 6" MIN. PLANTING	VARIES
MIXTURE BETWEEN	18
UNDISTURBED SUBGRADE	<u> </u>
<u>SHRUB PLANTING DETAIL</u>	
(NO SCALE)	

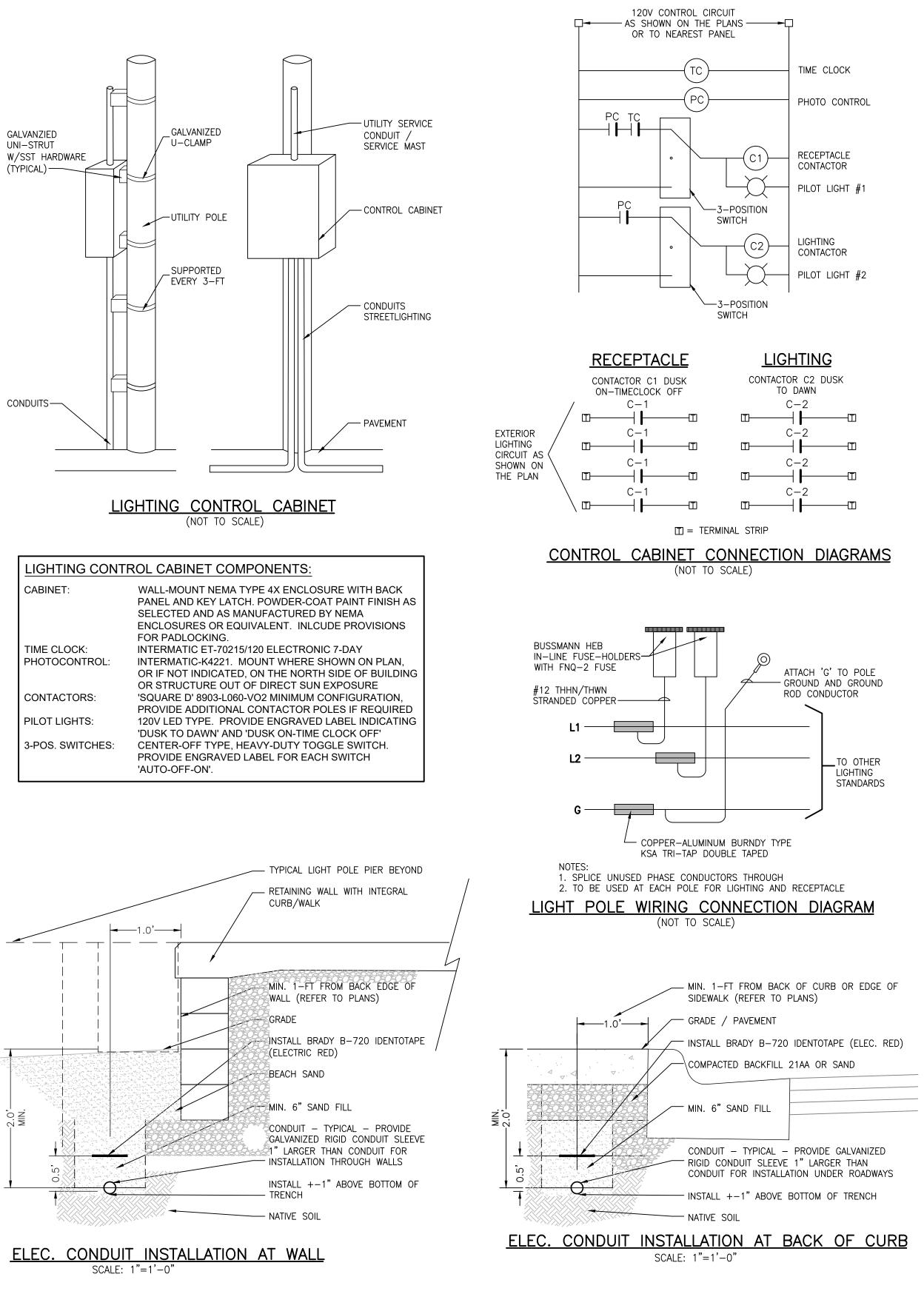
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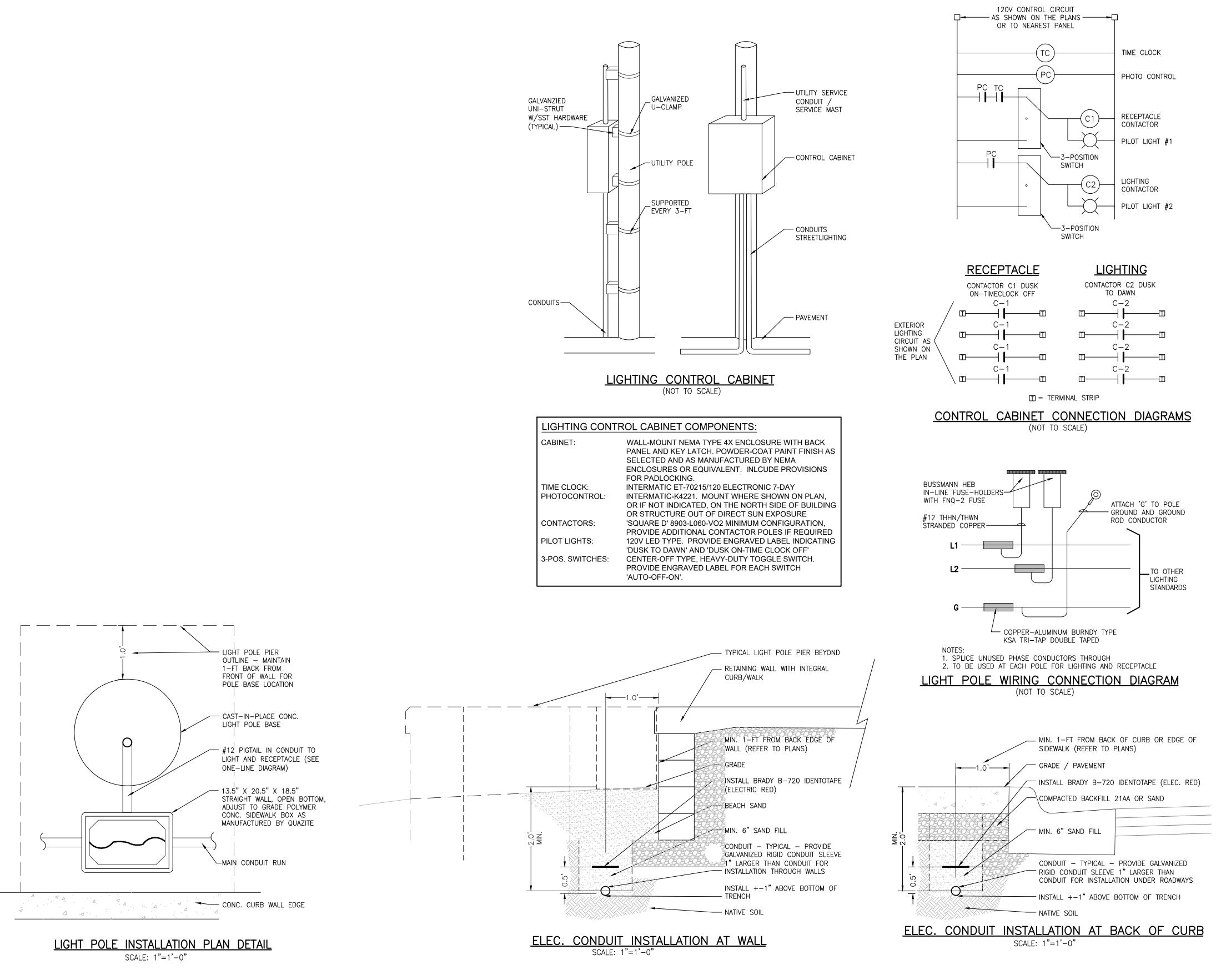


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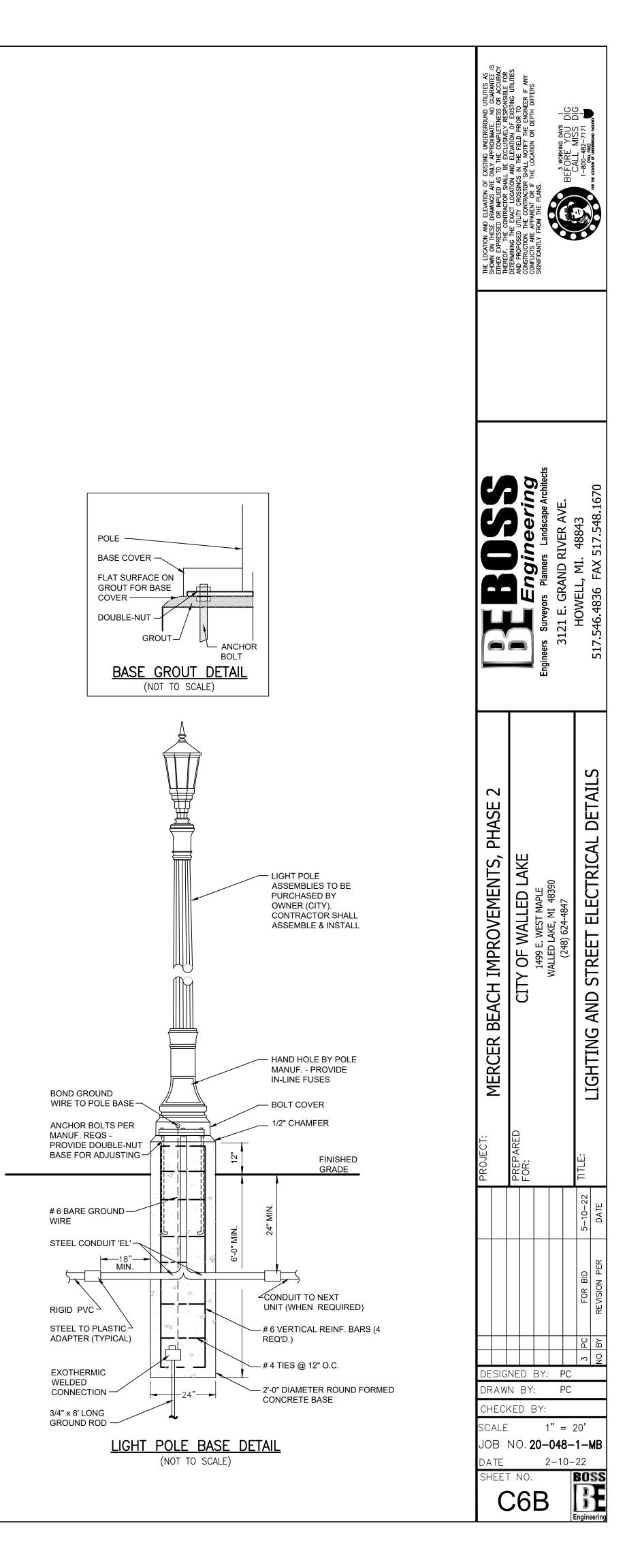


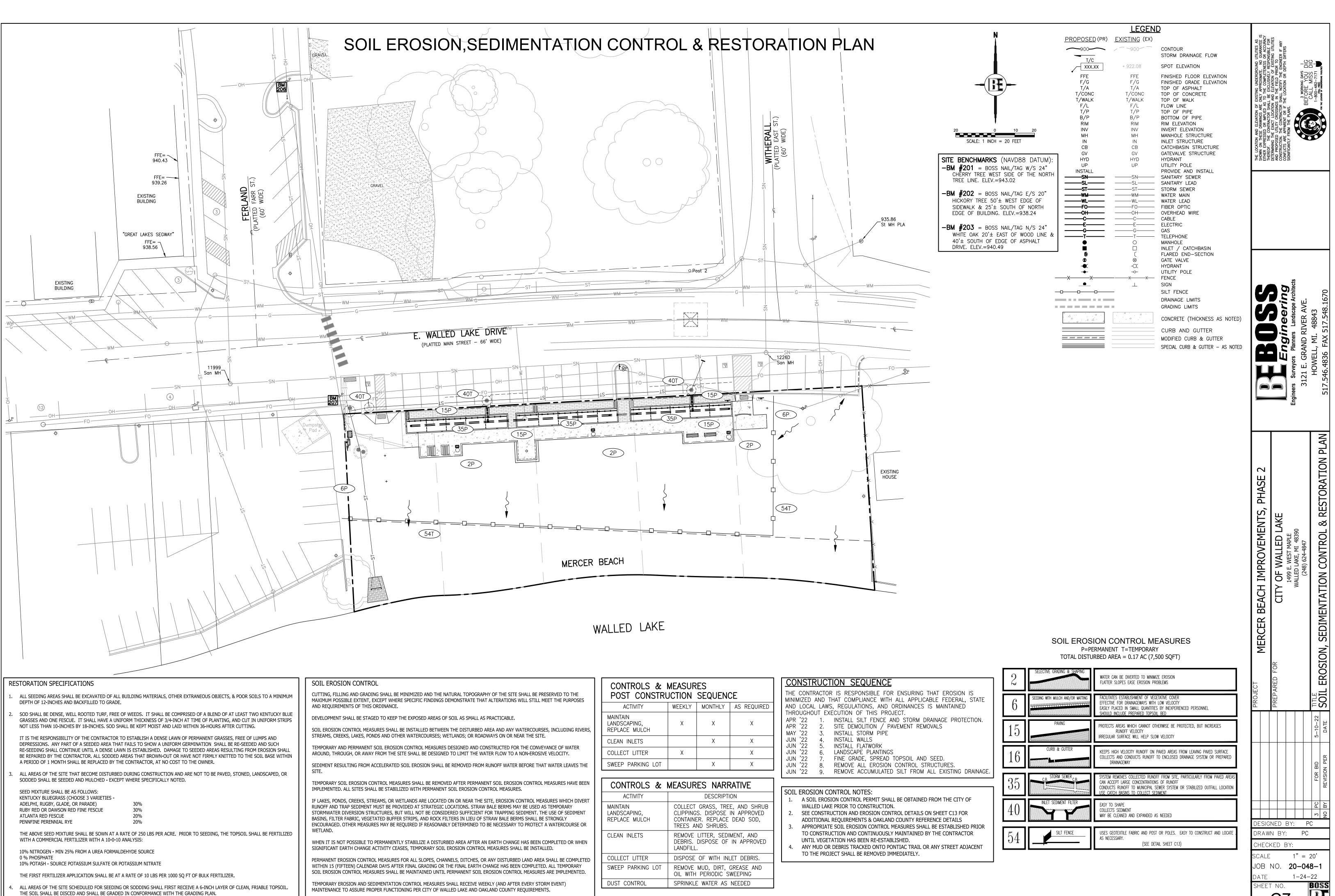
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## LIGHTING AND STREET ELECTRICAL DETAILS





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INSTALL SOIL EROSION CONTROL FABRIC ON ALL SLOPES STEEPER THAN 6:1 UNLESS OTHERWISE NOTED.

THE PERMANENT SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE OWNER

CONSTRUCTION SEQUENCE
THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT
MINIMIZED AND THAT COMPLIANCE WITH ALL APPLICABLE
AND LOCAL LAWS, REGULATIONS, AND ORDINANCES IS M/
THROUGHOUT EXECUTION OF THIS PROJECT.
APR '22 1. INSTALL SILT FENCE AND STORM DRAINA
APR '22 2. SITE DEMOLITION / PAVEMENT REMOVALS
MAY 22 3. INSTALL STORM PIPE
JUN '22 4. INSTALL WALLS
JUN 22 5. INSTALL FLATWORK
JUN '22 6. LANDSCAPE PLANTINGS
JUN '22 7. FINE GRADE, SPREAD TOPSOIL AND SEE
JUN '22 8. REMOVE ALL EROSION CONTROL STRUCT
JUN '22 9. REMOVE ACCUMULATED SILT FROM ALL E

