JOHN STREET WATERMAIN & STORM SEWER REPAIR FOR **CITY OF LAKE CITY** LAKE TOWNSHIP, MISSAUKEE COUNTY, MICHIGAN



VICINITY MAP SCALE

OWNER

CITY OF LAKE CITY 115 W. JOHN ST. PO BOX 1 LAKE CITY, MI 49651 CONTACT: RAY VASSER 231.839.4469

ENGINEER

GOSLING CZUBAK ENGINEERING SCIENCES, INC. 1280 BUSINESS PARK DRIVE TRAVERSE CITY, MICHIGAN, 49686-8607 231.946.9191 - 800.968.1062 www.goslingczubak.com info@goslingczubak.com

UTILITY CONTACTS

NAME OF OWNER

CONSUMER'S ENERGY 530 W WILLOW ST. LANSING, MI 48906 999.999.9999 CONTACT: KURT GOULDING

CHARTER COMMUNICATIONS 1394 TRADE CENTRE DR TRAVERSE CITY, MI 49696 231.941.3819 CONTACT: DAN BIELACZYC

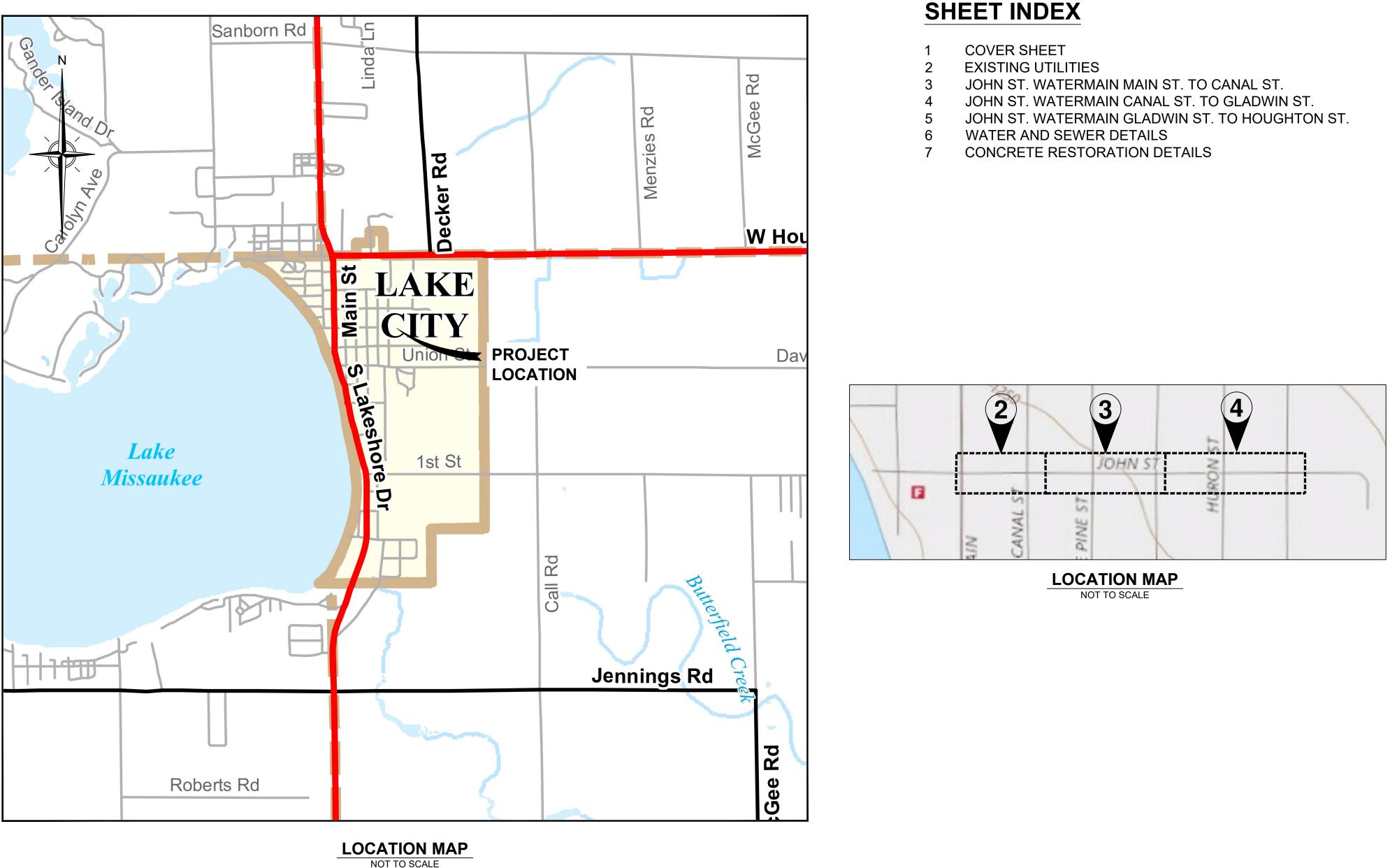
CITY OF LAKE CITY 115 W. JOHN ST. LAKE CITY, MI 49651 231.839.4469 CONTACT: RAY VASSER CABLE TV

TYPE OF UTILITY

ELECTRIC/GAS

SEWER & WATER

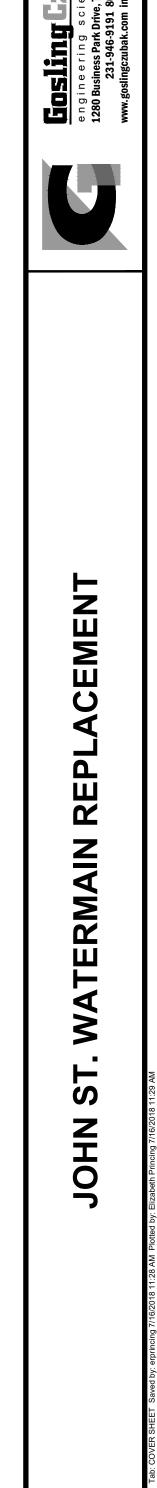




Issue Date

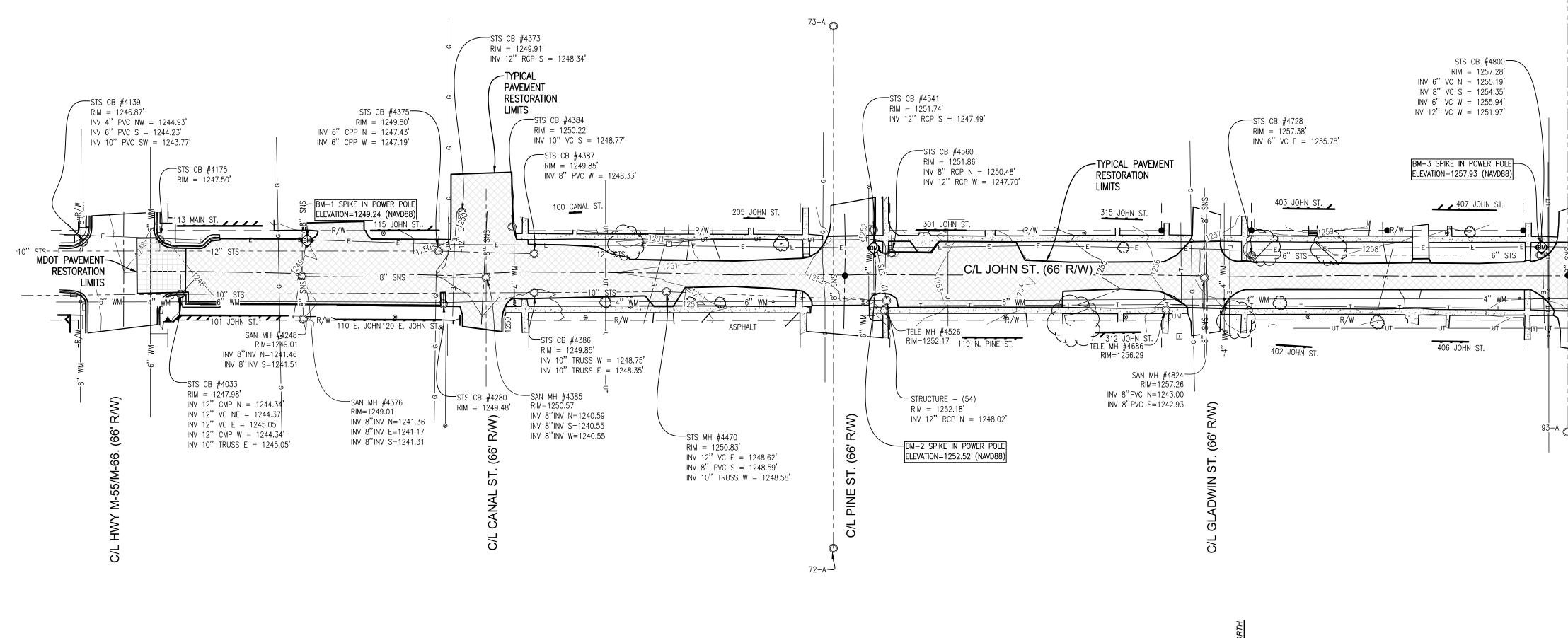
Project No. 2018740001.0

Sheet



RELEASED FOR BIDDING - 07/16/2018

ORIGINAL SHEET SIZE IS 22x34 - HALF SCALE SHEET IS 11x17



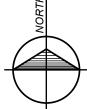
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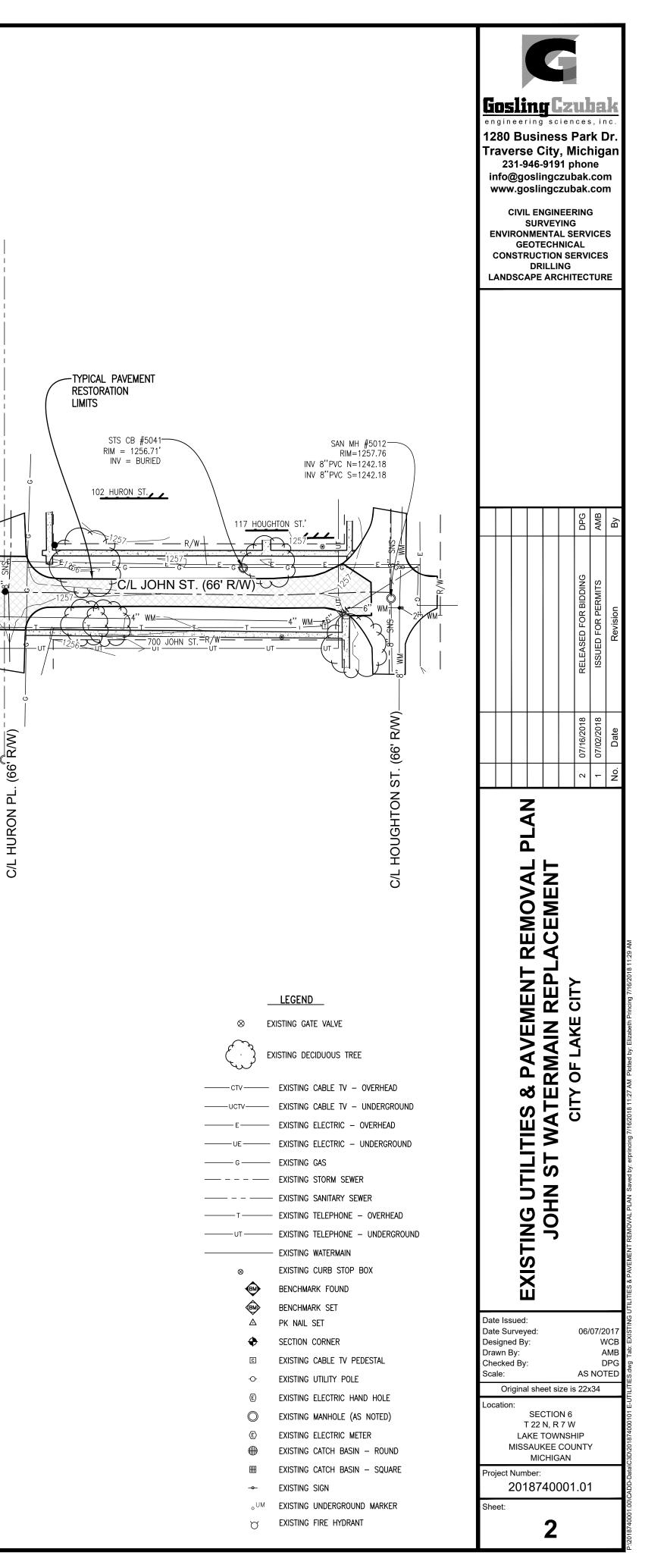
NOTES: 1. PAVEMENT ON JOHN STREET WITHIN THE RESTORATION LIMITS SHOWN IS TO BE CRUSHED & SHAPED. PROVIDE NEW PAVEMENT & MATCH EXISTING GRADES PER DETAIL. RESTRIPE NEW ASPHALT TO MATCH EXISTING.

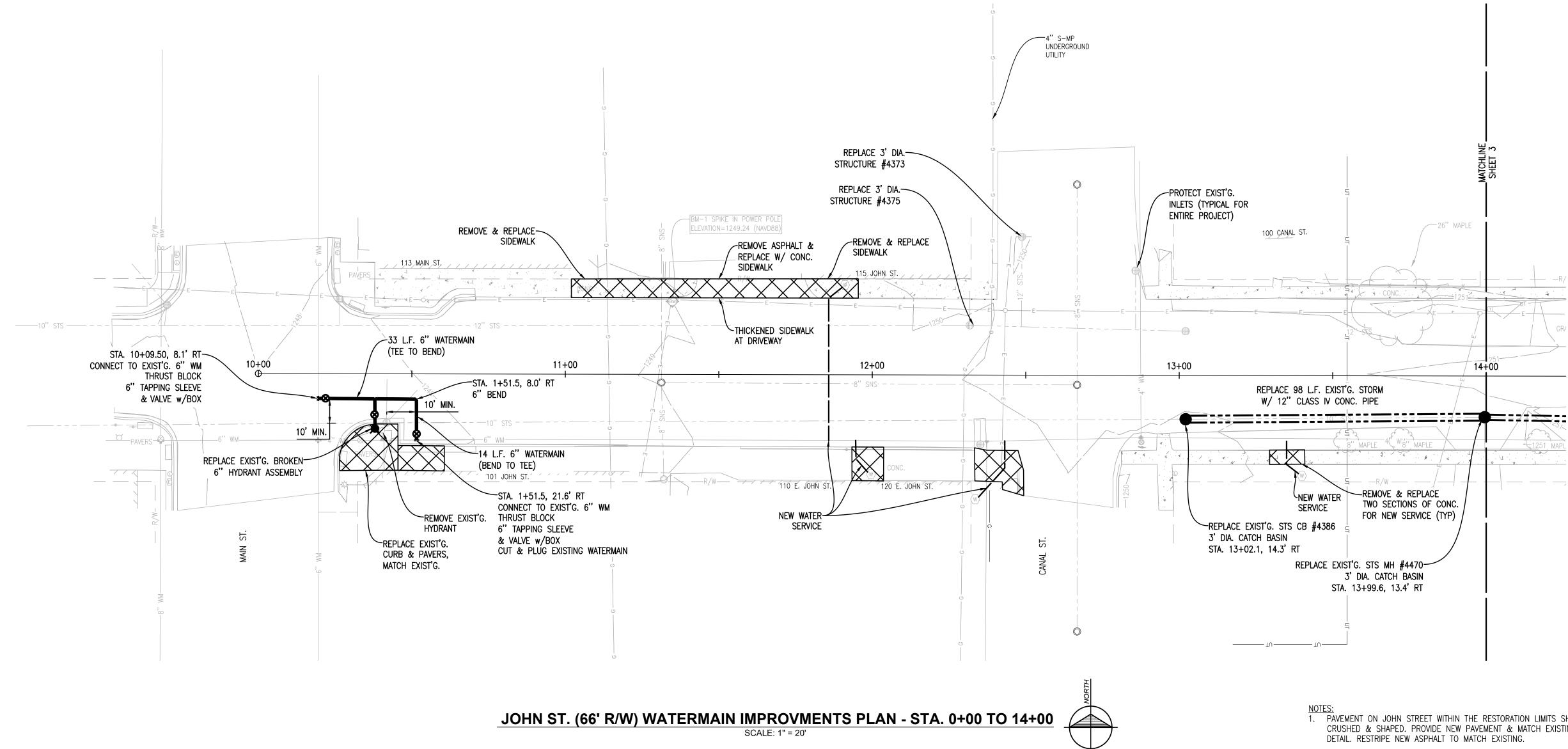
- 2. ALL WATER SERVICES TO BE 1" UNLESS OTHERWISE NOTED ON THE PLANS.
- 3. ALL WATER SERVICES TO BE CONNECTED AT PROPERTY LINES UNLESS OTHERWISE NOTED.
- 4. REFERENCE DETAIL SHEET FOR CONNECTION OF PROPOSED SERVICE LEADS TO EXISTING SERVICE LEADS.
- 5. MINIMUM DEPTH OF COVER ON NEW WATER MAIN TO BE 5 FT. 6 IN. (MINIMUM).
- 6. CONTRACTOR TO EXCAVATE AND VERIFY LOCATION OF EXISTING WATER MAINS PRIOR TO CONSTRUCTION. COORDINATE WITH ENGINEER AS TO AREAS NEEDING VERIFICATION.
- 7. PROPOSED WATER MAIN SHALL MAINTAIN A MINIMUM OF 10 FT. HORIZONTAL AND 18" VERTICAL CLEARANCE FROM ALL SEWER LINES.
- 8. LOCATE, CUT, PLUG & ABANDON EXISTING WATER SERVICE.
- 9. ALL EXISTING GATE VALVES AND HYDRANTS SHALL BE SALVAGED FOR OWNER AND PLACED IN LOCATION DESIGNATED BY OWNER.
- 10. ALL NEW WATER SERVICES INCLUDE NEW SADDLE (FOR SERVICES LARGER THAN 1") AND CORP STOP AND NEW CURB STOP AND BOX, UNLESS OTHERWISE NOTED.
- 11. ALL STORM SEWER SHALL BE MDOT CLASS IV CONCRETE.
- 12. PROVIDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO MEET MMUTCD REQUIREMENTS. PROVIDE TEMPORARY ACCESS TO ALL HOMES AND BUSINESSES DURING CONSTRUCTION.



THE LOCATION OF THE EXISTING UTILITIES, AS SHOWN ON THIS PLAN, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE OWNER AND THE SURVEYOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "MISS DIG" AT 1 (800) 482–7171 OR 811 THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. EXISTING UTILITIES & PAVEMENT REMOVAL PLAN SCALE: 1" = 50'





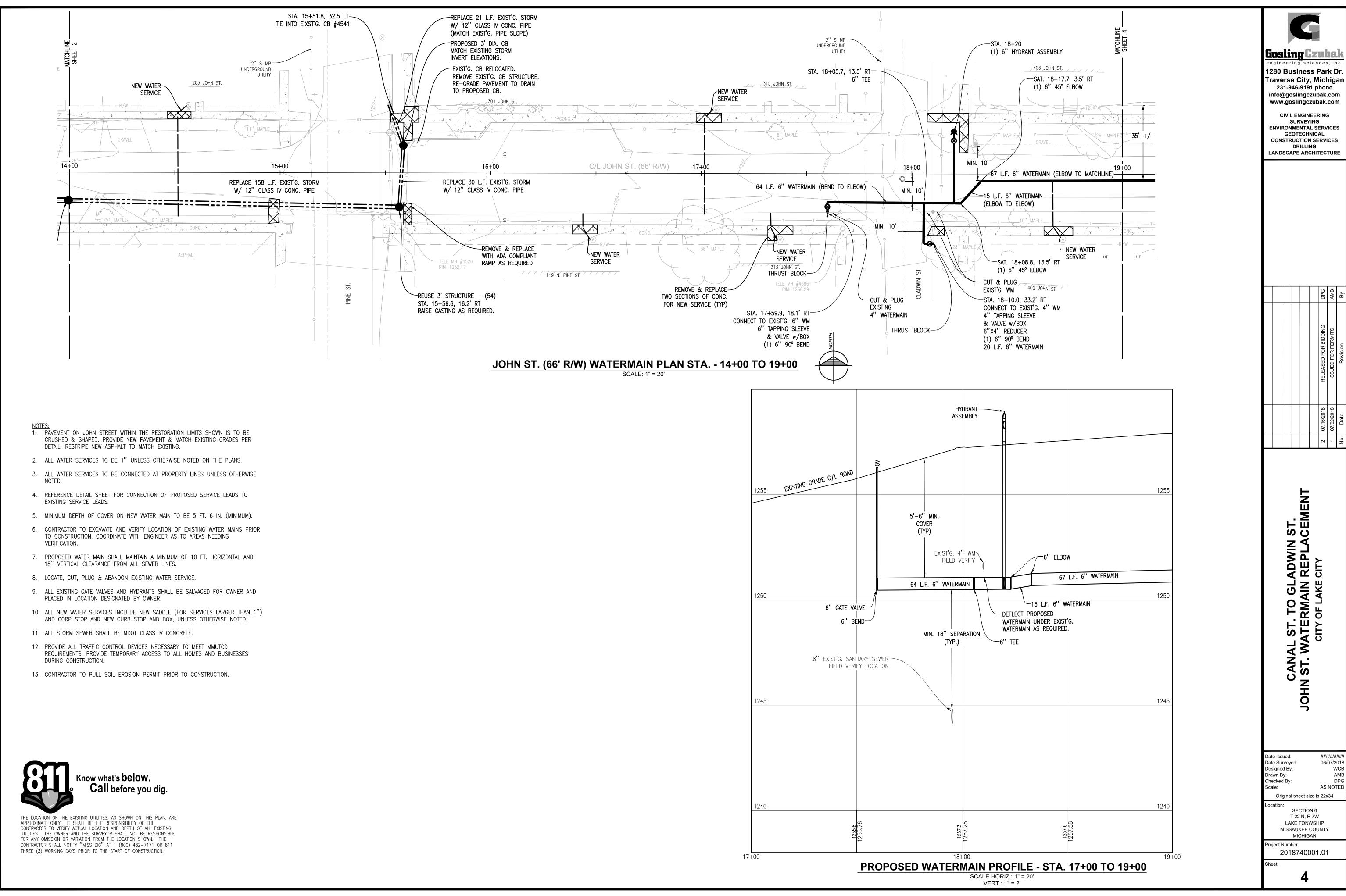


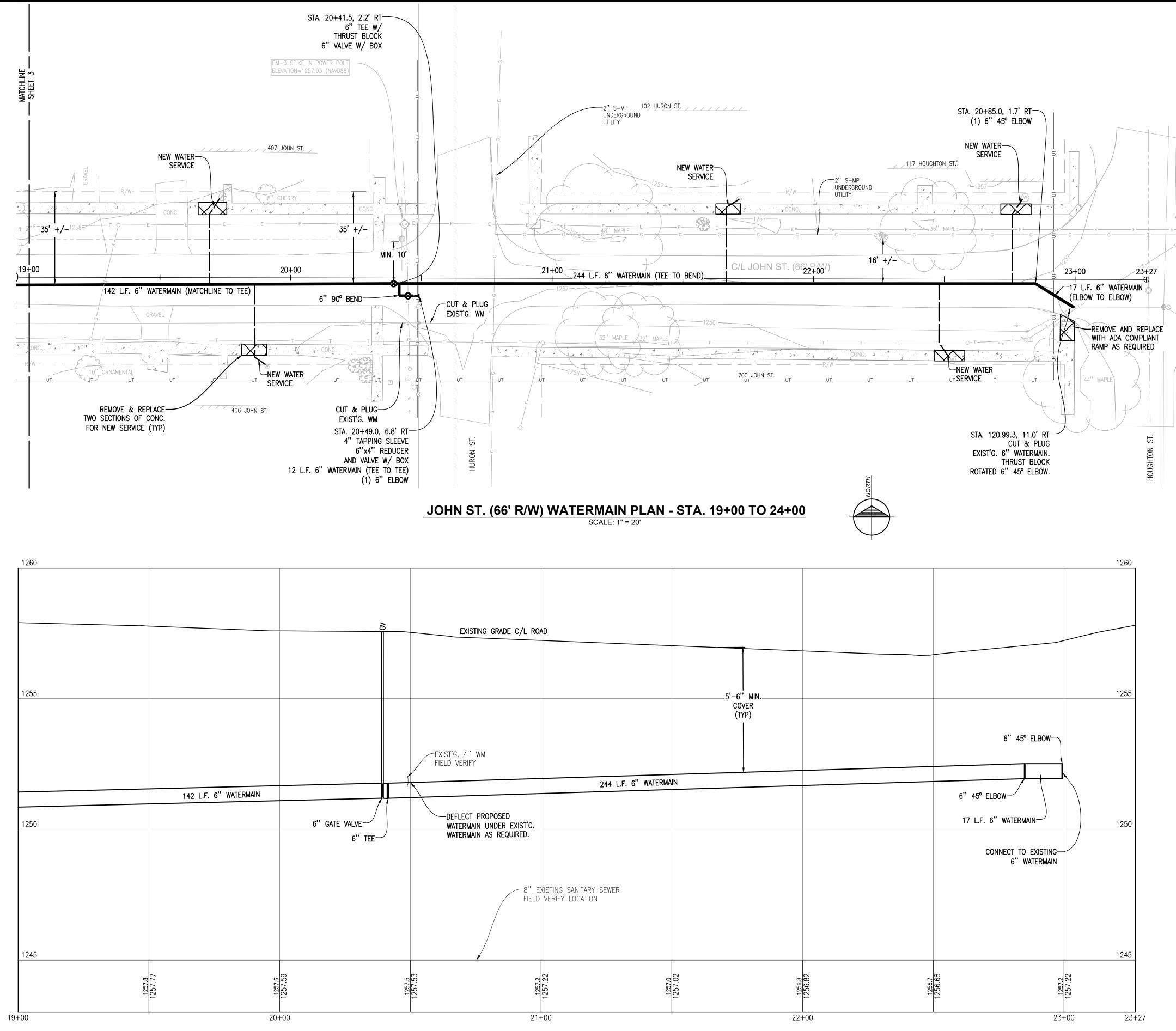


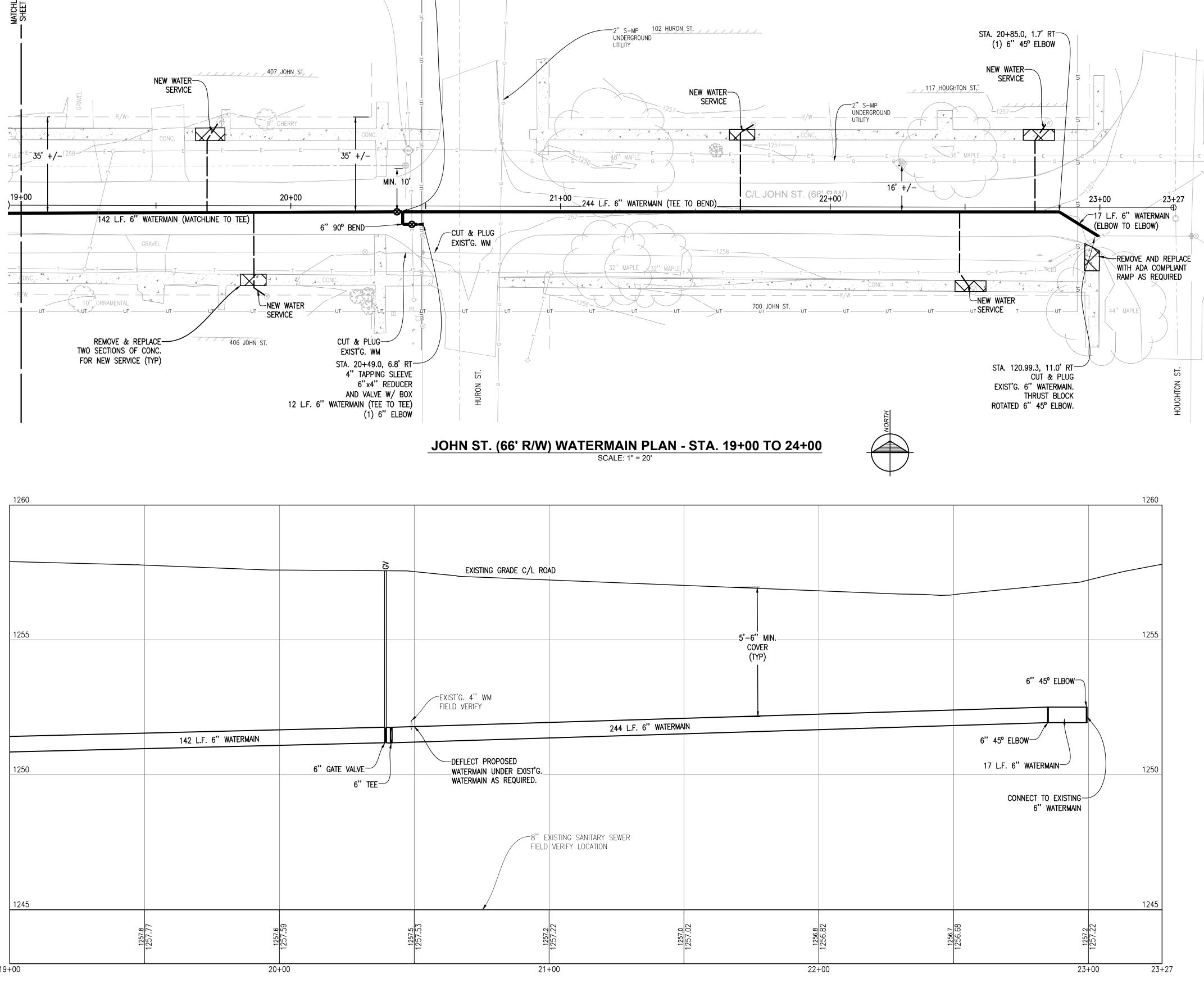
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- 13. CONTRACTOR TO PULL SOIL EROSION PERMIT PRIOR TO CONSTRUCTION.

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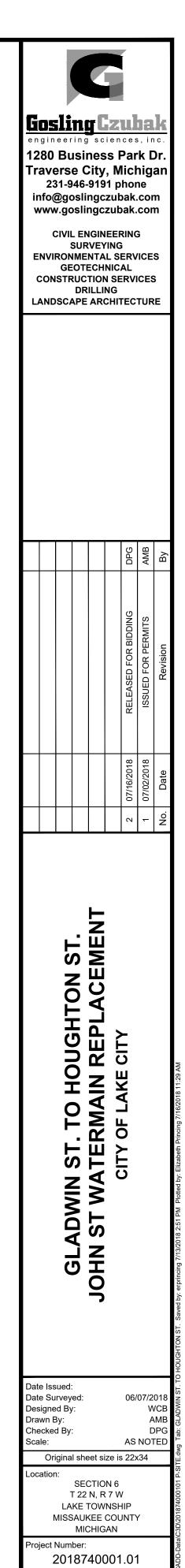






PROPOSED WATERMAIN PROFILE STA. - 19+00 TO STA. 23+00

SCALE HORIZ.: 1" = 20' VERT.: 1" = 2'



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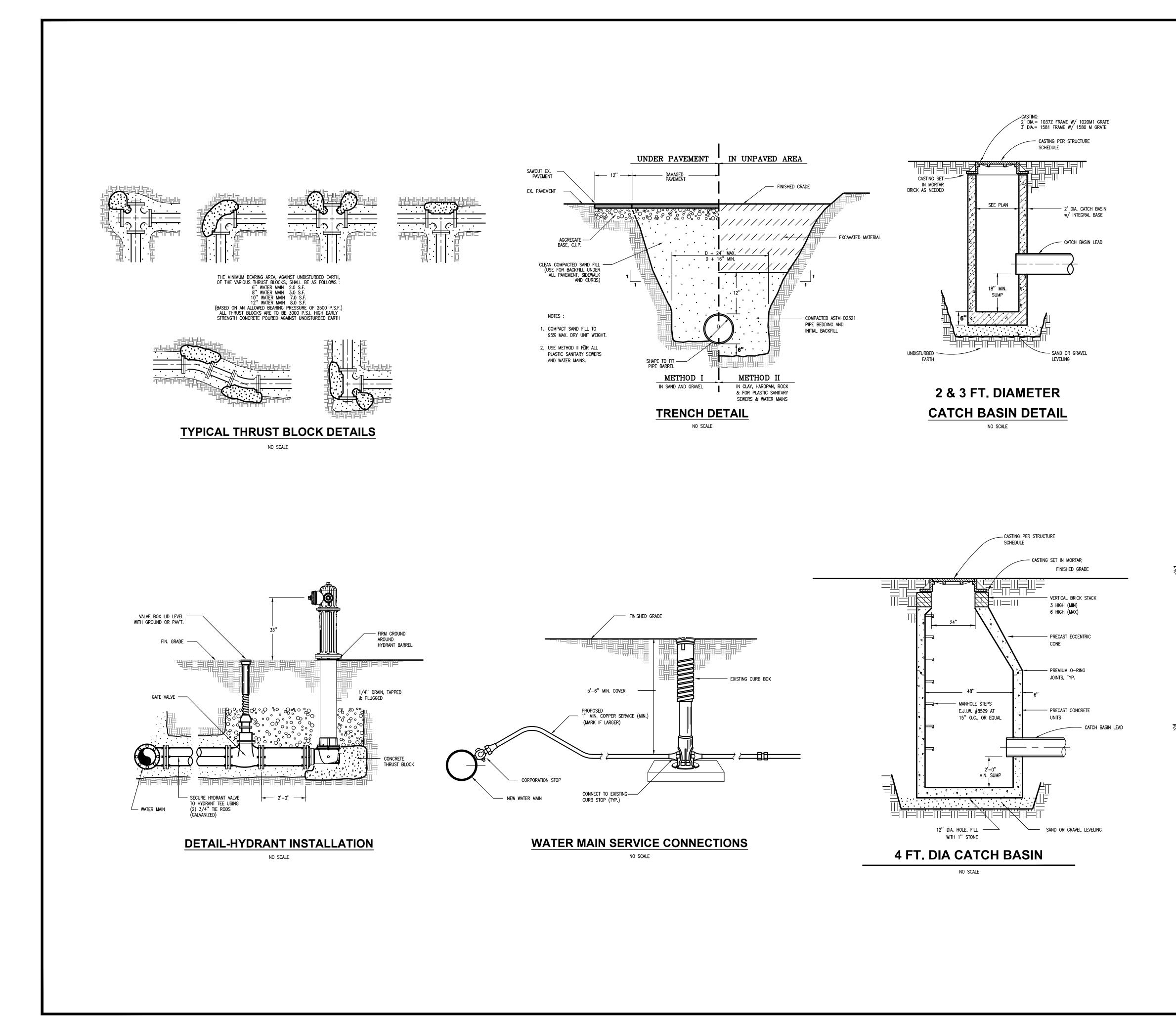


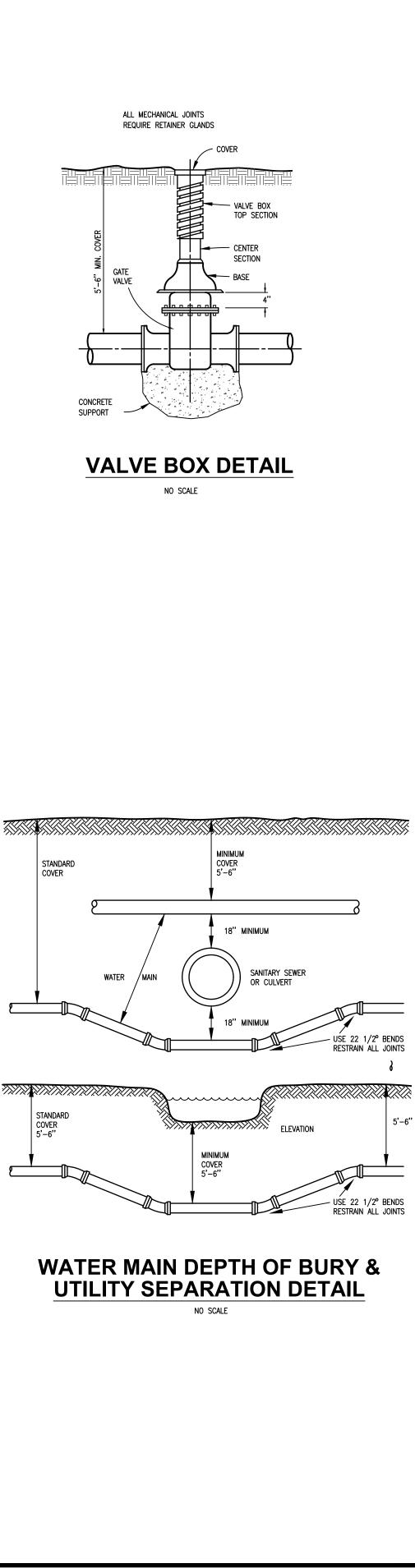
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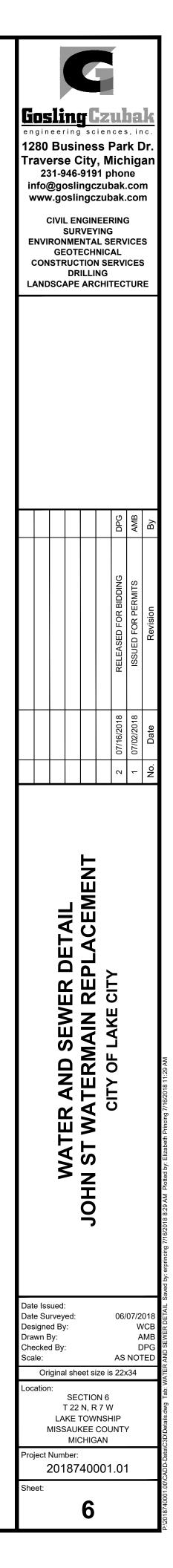


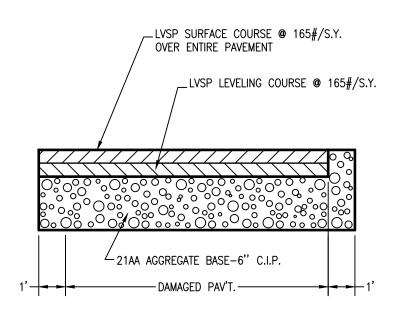
Know what's **below**. Call before you dig.

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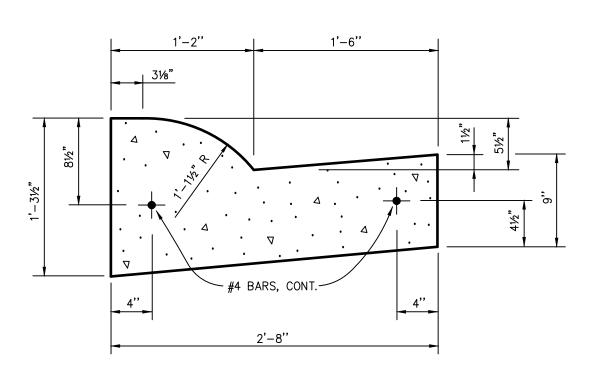






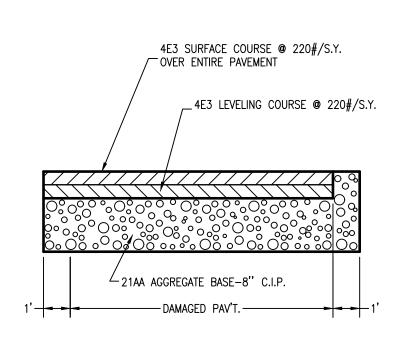
TYPICAL SECTION PAVEMENT RESTORATION

NO SCALE



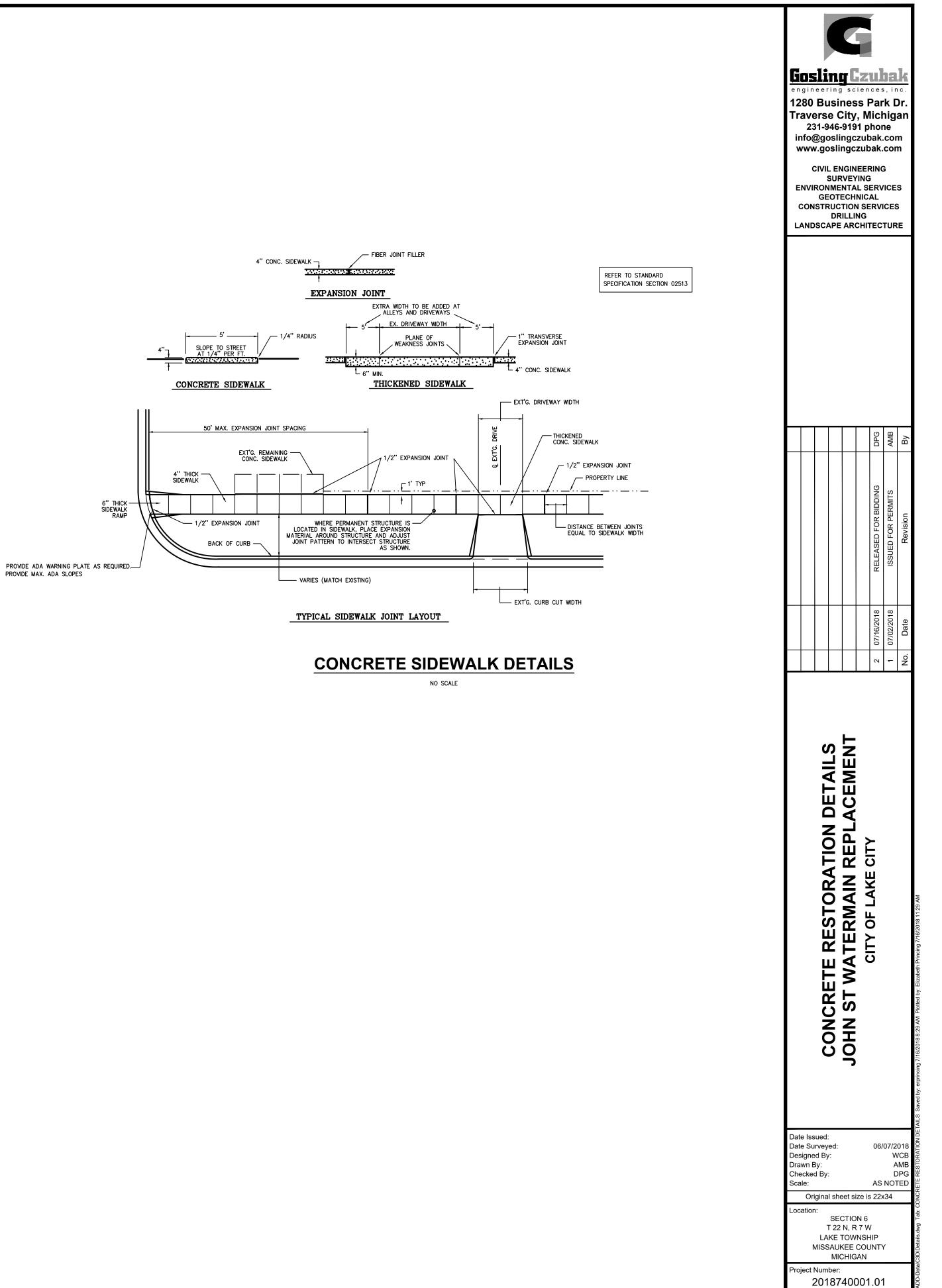
STANDARD M.D.O.T. "B2" **CONCRETE CURB & GUTTER DETAIL**

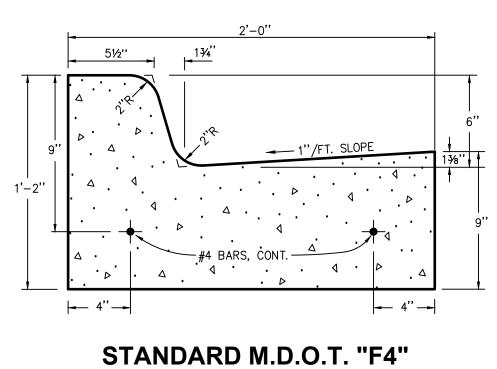
NO SCALE



MDOT ROW PAVEMENT RESTORATION

NO SCALE





CONCRETE CURB & GUTTER DETAIL

NO SCALE