UTILITY CONTACTS

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TOME OF PREPARING THESES PANS. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE REASONABILITY TO BE SATISFIED AS TO ITS ACCURACY AND LOCATION OF EXISTING

CHARTER COMMUNICATIONS ATT: MARK KELLY 1480 S. VALLEY CENTER DRIVE BAY CITY, MI 48706

PHONE: 989-233-9404 mark.kelly@chartercom.com

SANITARY SEWER & WATER MAIN

ryan.suchanek@ci.owosso.mi.us

989-725-0550

ELECTRIC

OFFICE: 989-729-3250 CELL: 517-204-9018

OFFICE: 517-374-2375

PHONE: 989-720-6004

PHONE: 989-627-9759

PHONE: 989-743-2289

salworden@shiawasseechd.net

FAX: 989-743-2413

harold.roth@ftr.com

FAX: 989-720-6060

adam.bertram@cmsenergy.com

jared.jackson@daystarrfiber.ne

SOIL EROSION AND SEDIMENTATION CONTROL

CELL: 517-614-8570

FIBER

tmmahar@cmsenergy.com

CITY OF OWOSSO ROAD ATT: CLAYTON WEHNER, P.E. 301 W. MAIN STREET clayton.wehner@ci.owosso.mi.us OWOSSO, MI 48867

CITY OF OWOSSO ATT: RYAN SUCHANEK 301 W. MAIN STREET OWOSSO, MI 48867

CONSUMERS ENERGY ATT: TRACY MAHAR 1801 W. MAIN ST OWOSSO, MI 48867

CONSUMERS ENERGY ATT: ADAM BERTRAM 530 W. WILLOW STREET P.O. BOX 30162 LANSING, MI 48909

DAYSTARR COMMUNICATIONS ATT: JARED JACKSON 307 N. BALL STREET OWOSSO, MI 48867

FRONTIER COMMUNICATIONS

ATT: HAROLD ROTH 1943 W. M-21 OWOSSO, MI 48847

SHIAWASSEE COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION ATT: STEVE ALWORDEN 201 N. SHIAWASSEE STREET

CORUNNA, MI 48817

CALL MISS DIG AT 1-800-482-7171 OR 811 THREE DAYS, EXCLUDING SATURDAY, SUNDAY, AND HOLIDAY, BEFORE STARTING YOUR

PROJECT LOCATION COVENTRY COURT DITCH

MDOT ROAD STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

DRAINAGE STRUCTURES	R-1-G*
COVER B	R-7-F
MONUMENT BOXES	R-11-E
COVER K	R-15-F
COVER Q	R-18-F
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	R-28-J*
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-I
CONCRETE CURB AND CONCRETE CURB AND GUTTER*	R-30-G
BUMPER & PARKING RAIL AND MISC. WOOD POSTS	R-74-D
GRANULAR BLANKET, UNDERDRAINS, AND OUTLET ENDINGS FOR SEWER UNDERDRAINS, AND SEWER BULKHEADS	R-80-E
BEDDING AND FILLING AROUND PIPE CULVERTS	R-82-D
UTILITY TRENCHES	R-83-C
SOIL EROSION & SEDIMENT CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	R-100-H
*SPECIAL DETAILS INCLUDED IN PROPOSAL OR MODIFIED IN GENERAL PLANS	

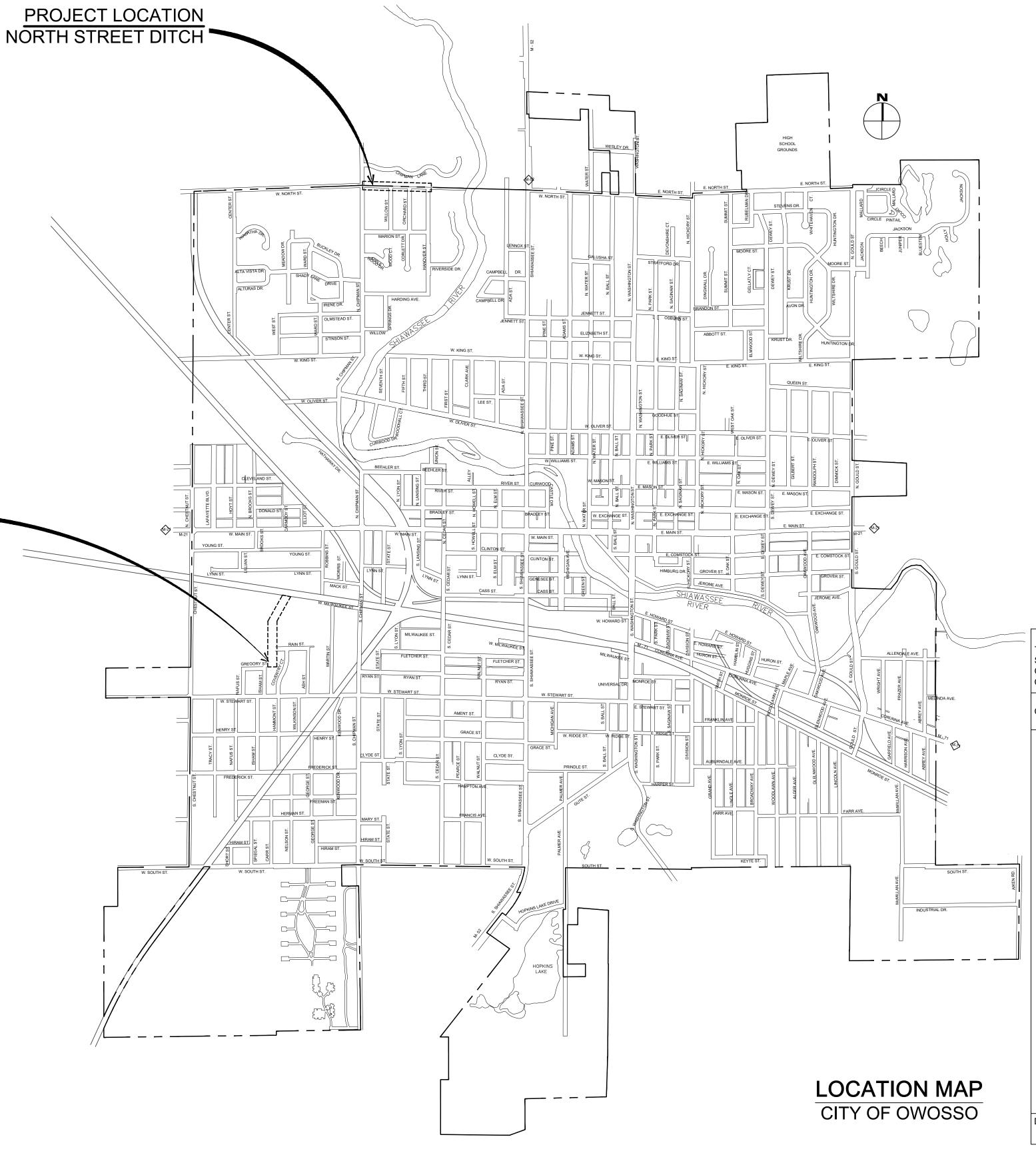


CITY OF OWOSSO

2025 DRAINAGE IMPROVEMENTS PROJECT

SHIAWASSEE COUNTY

SECTIONS 14, 23, & 24, T7N-R2E, CITY OF OWOSSO POP: 15,194 (2010 CENSUS)

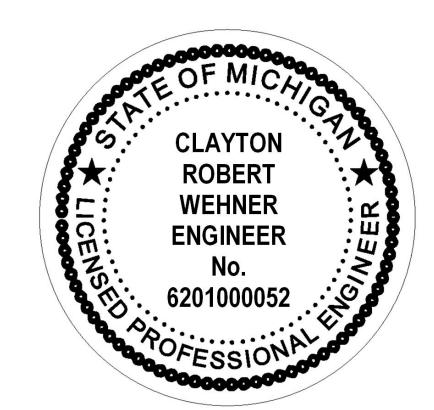


SHEET NO.	DESCRIPTION
CS	COVER SHEET
D1	LEGEND, MISCELLANEOUS ESTIMATES, & SESC KEY
D2	GENERAL NOTES AND DETAILS
CO1	COVENTRY CT - TRAFFIC CONTROL PLAN
CO2	COVENTRY CT - CONSTRUCTION PLAN
NO1	NORTH ST - TRAFFIC CONTROL PLAN
NO2 - NO3	NORTH ST - REMOVAL & CONSTRUCTION PLAN

GEOMETRIC DESIGN OF HIGHWAYS AND STREETS", AND THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2011 EDITION.

CONTRACT FOR: STORM SEWER INSTALLATION AND DITCH CLEANING.

CITY OF OWOSSO APPROVAL



620100052

11/4/2024

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TREE (DECIDUOUS)	C	CABLE BOX	(A)	SURVEY CONTROL POINT
	BUSH	T	TELEPHONE RISER	BM#1	BENCHMARK
£ 1	TREE (CONIFEROUS)	\bigcirc	TELEPHONE MANHOLE	-	SECTION CORNER
**	DEAD TREE	THH	TELEPHONE HANDHOLE		BOUNDARY LINE
@	STUMP	E	ELECTRICAL RISER		PROPERTY LINE
\bigcirc	MANHOLE	©	ELECTRICAL MANHOLE		WATERMAIN
·	SANITARY CLEANOUT	EHH	ELECTRICAL HANDHOLE		SANITARY SEWER STORM SEWER
#	RD. CATCH BASIN	-•	POWER POLE		CULVERT (21" AND UNDER)
\blacksquare	SQ. CATCH BASIN	×	LIGHT POLE	==	CULVERT (24" AND UP)
-	FIRE HYDRANT	0	GUY POLE		CABLE T.V.
\bowtie	WATER VALVE)	GUY ANCHOR		TELEPHONE
\otimes	CURB STOP & BOX	₽ □	PED CROSSING SIGNAL	—— F	ELECTRIC E E E
®	WELL	¤	YARD LIGHT		OVERHEAD LINES OH
(WATER MANHOLE	ф	SIGN		GUARDRAIL
M	WATER METER		MAILBOX		x_ <u>FENCE</u> xxx
B#	SOIL BORING	0	GUARD POST	W	WOODLINE
	MONITORING WELL	-	FOUND CONC. MONUMENT		

FOUND IRON ROD

O SET IRON ROD

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS

uantity Unit Pay Ite

1 LSUM Mobilization, Max \$13,900

MAINTAINING TRAFFIC QUANTITIES

Quantity Unit Pay Item

4 Ea Barricade, Type III, High Intensity, Double Sided, Furn & Oper

2 Ea Lighted Arrow, Type C, Furn & Oper

1 LSUM Minor Traffic Devices, Max \$5,000
 25 Ea Plastic Drum, High Intensity, Furn & Oper

408 Sft Sign, Type B, Temp, Prismatic, Furn & Oper

1 LSUM Traf Regulator Control

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET S-E-S-C KEYING SYSTEM

NOTE: ALL ITEMS LISTED ON THE LEGEND MAY NOT BE PRESENT ON DRAWING.

<u> </u>								
KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED					
EROSION CONTROLS								
E1	SELECTIVE GRADING AND SHAPING		To reduce steep slopes and erosive velocities.					
E2	GRUBBING OMITTED		For use on steep slopes to prevent rilling, gullying, and reduce sheet flow velocity or where clear vision corridors are necessary.					
E3	SLOPE ROUGHENING AND SCARIFICATION		Where created grades cause increased erosive velocites. Promotes infiltration and reduces runoff velocity.					
E4	TERRACES		On relatively long slopes up to 8% grades with fairly stable soils.					
E5	DUST CONTROL		For use on construction sites, unpaved roads, etc. to reduce dust and sedimentation from wind and construction activities.					
E6	MULCH		For use in areas subject to erosive surface flows or severe wind or on newly seeded areas.					
E7	TEMPORARY SEEDING	ALLEY MANUAL MAN	Stabilization method utilized on construction sites where earth change has been initiated but not completed within a 2 week period.					
E8	PERMANENT SEEDING	AND STORY WALLAND AND AND AND AND AND AND AND AND AND	Stabilization method utilized on sites where earth change has been completed (final grading attained).					
E9	MULCH BLANKETS		On exposed slopes, newly seeded areas, new ditch bottoms, or areas subject to erosion.					
E10	SODDING		On areas and slopes where immediate stabilization is required.					
E11	VEGETATED CHANNELS	- The same of the	For use in created stormwater channels. Vegetation is used to slow water velocity and reduce erosion within the channel.					
E12	RIPRAP		Use along shorelines, waterways, or where concentrated flows occur. Slows velocity, reduces sediment load, and reduces erosion.					
E13	GABION WALLS		On newly created or denuded stream banks to reduce velocity until permanent stabilization is achieved or on existing banks to retard erosive velocities.					
E14	ENERGY DISSIPATOR		Where the energy transmitted from a concentrated flow of surface runoff is sufficient to erode receiving area or watercourse.					
E15	TEMPORARY SLOPE DRAIN		Where surface runoff temporarily accumulates or sheet flows over the top of a slope and must be conveyed down a slope in order to prevent erosion.					
E16	SLOPE DRAIN		Where concentrated flow of surface runoff must be permanently conveyed down a slope in order to prevent erosion.					

B = BIOENGINEERING

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET S-E-S-C KEYING SYSTEM

KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED			
	DEST INMINAGEMENT PRACTICES	O T IVIDOL				
E17	CELLULAR CONFINEMENT SYSTEMS		Used on steep slopes and high velocity channels.			
E18 PLASTIC SHEETS			Used on exposed slopes, seeded areas, new ditch bottoms, a areas subject to surface runoff and erosion. Used as a line in temporary channels and to stabilize stockpiles.			
E19	TEMPORARY DRAINAGEWAY/ STREAM CROSSING		Use on construction sites where stream/drainageway crossings are required.			
E20	TEMPORARY BYPASS CHANNEL		Use within existing stream corridors when existing flow cannot be interrupted, and at culvert and bridge repair sites			
E21	LIVE STAKING B		In areas requiring protection of slopes against surface erosion and shallow mass wasting.			
	EROSION / SEDIME CONTROLS	NT				
ES31	CHECK DAM		Used to reduce surface flow velocities within constructed and existing flow corridors.			
ES32	STONE FILTER BERM		Use primarily in areas where sheet or rill flow occurs and to accommodate dewatering flow.			
ES33	FILTER ROLLS	В	In areas requiring immediate protection of slopes against surface erosion and gully formation and for perimeter sediment control.			
ES34	SAND FENCE		For use in areas susceptible to wind erosion, especially where the ground has not yet been stabilized by other means.			
ES35	DEWATERING		Use where construction activities are limited by the presence of water and dry work is required.			
ES36	DIVERSION DIKE/BERM		Within existing flow corridors to address or prevent erosion and sedimentation, or on disturbed or unstable slopes subject to erosive surface water velocities.			
ES37	DIVERSION DITCH	halesker kerker kerkestelister statistisse	In conjunction with a diversion dike, or where diversion of upslope runoff is necessary to prevent damage to unstabilized or disturbed construction areas.			
ES38	COFFERDAM/SHEET PILINGS		Constructed along or within water corridor or waterbody to provide dry construction area.			
ES39	STREAMBANK BIOSTABILIZATION	В	For use along banks where stream and riparian zones may have difficulty recovering from the long—term effects of erosion.			
ES40	POLYMERS		To minimize soil erosion and reduce sedimentation in water bodies by increasing soil particle size.			
ES41	WATTLES	В	In areas requiring protection of slopes against surface erosion and gully formation.			

B = BIOENGINEERING

MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET S-E-S-C KEYING SYSTEM

KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
S	EDIMENT CONTROLS		
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden shee flow from entering these areas.
S52	CATCH BASIN SEDIMENT GUARD		Use in or at stormwater inlets, especially at construction sites
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S54	TIRE WASH		For use on construction sites where vehicular traffic requires sediment removed from its tires in highly erosive areas.
S55	SEDIMENT BASIN		At the outlet of disturbed areas and at the location of a permanent detention basin.
S56	SEDIMENT TRAP		In small drainage areas, along construction site perimeters, and above check dams or drain inlets.
S57	VEGETATED BUFFER/FILTER STRIP		Use along shorelines, waterways, or other sensitive areas. Slows velocity, reduces sediment load, and reduces erosion in areas of sheet flow.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.
S59	INLET PROTECTION FABRIC FENCE		Use at stormwater inlets, especially at construction sites.
S60	INLET PROTECTION STONE		Use around urban stormwater inlets.
S61	TURBIDITY CURTAIN		Use during construction adjacent to a water esource, to contain sediment within the work area when other BMP's cannot be used.

B = BIOENGINEERING

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE												
CONSTRUCTION SEQUENCE							JUL	AUG	SEP	ОСТ	NOV	DEC
STRIP AND STOCKPILE TOPSOIL								N/A				
ROUGH GRADE/ SEDIMENT CONTROL								N/A				
TEMP CONTROL MEASURES												
STORM FACILITIES												
TEMP CONSTRUCTION ROADS								N/A				
FOUNDATION/ BLDG. CONSTRUCTION								N/A				
SITE CONSTRUCTION												
PERM CONTROL MEASURES												
FINISH GRADING												
LANDSCAPING								N/A				

CONSTRUCTION SEQUENCE

INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES.
 EXCAVATION/DITCH CLEANING
 PERMANENT MEASURES (TURF RESTORATION).

CITY OF OWOSSO, MICHIGAN ENGINEERING DIVISION DEPT. OF PUBLIC SERVICE

	BENCH	BENCH MARK DATA	NO. REVISIONS		DA
	ELEV.	DESCRIPTION	1 IFB PLANS	11	11/2
FIELD BOOK			ORIGINAL PLAN		
.gc			CHECKED BY	APPROVED BY	

GENERAL NOTES

UNDERGROUND UTILITIES/MISS DIG

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174, 2013, THE CONTRACTOR SHALL DIAL 1-800-482-7171 FOR A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBER WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE EXISTING UTILITIES ON THESE DRAWINGS HAVE BEEN SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND SHALL NOTIFY THE ENGINEER AS TO WHERE POSSIBLE CONFLICT EXIST.

EXISTING WATER MAINS AND SEWERS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PROPERLY IDENTIFIED EXISTING WATER MAINS AND / OR EXISTING SEWERS DURING THE CONSTRUCTION OF THE PROJECT.

ADJUSTING OF MONUMENT BOXES

ALL GOVERNMENT CORNERS ON THIS PROJECT SHALL BE PRESERVED, WHETHER SHOWN OR NOT. IT MAY BE NECESSARY TO PLACE OR ADJUST MONUMENT BOXES AS REQUIRED.

PAVEMENT MARKINGS AND SIGNS

ALL PERMANENT PAVEMENT MARKINGS, SHAPES, AND DIMENSIONS SHALL CONFORM WITH MDOT PAVEMENT MARKING TYPICALS PAVE - 900 SERIES.

SOIL EROSION MEASURES

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH DISTURBING ACTIVITIES. PLACE LAWN RESTORATION ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODIBLE SLOPES AS DIRECTED BY THE ENGINEER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED / MULCH BLANKET AS DIRECTED BY THE ENGINEER.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND MAINTAINED UNTIL THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MEASURES SHALL ONLY BE PAID FOR ONCE.

RUBBISH DISPOSAL

SEE MAINTAINING TRAFFIC SPECIAL PROVISIONS.

MAII DELIVERY

SEE MAINTAINING TRAFFIC SPECIAL PROVISIONS.

SEWER STRUCTURE

ALL ORIFICES TO RECEIVE SEWER PIPE SHALL BE FITTED WITH KOR-N-SEAL FLEXIBLE CONNECTOR (S), OR APPROVED EQUAL CONNECTOR. THE FLEXIBLE CONNECTOR WILL NOT BE PAID FOR SEPARATELY, BUT IS CONSIDERED AS PART OF THE DRAINING STRUCTURE PAY ITEM.

SEWER CONNECTIONS

PROPOSED SEWERS SHALL BE CONNECTED TO EXISTING SEWERS WITH A FERNCO COUPLER, OR APPROVED EQUAL, AS DIRECTED BY THE ENGINEER. CONNECTION SHALL BE ACCOMPLISHED WITH COUPLER OF SIMILAR SIZE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. PAYMENT FOR ALL MATERIALS AND LABOR NECESSARY TO ACCOMPLISH THIS WORK WILL NOT BE PAIR FOR SEPARATELY, BUT WILL BE CONSIDERED AS PART OF OTHER WORK ITEMS.

CURB AND GUTTER

ALL NEW SECTIONS OF CURB AND GUTTER SHALL BE TIED TO EXISTING CURB AND GUTTER ON BOTH ENDS USING EPOXY COATED #4 BARS.

SIDEWALK RAMPS AND SIDEWALKS

SIDEWALK RAMPS SHALL BE COMPLETED IN ACCORDANCE WITH THE MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MDOT STANDARD PLAN R-28 SERIES, EXCEPT AS MODIFIED HEREIN. THE PORTION OF RAMP FROM THE CURB AND GUTTER TO THE LANDING SHALL BE 7-INCHES THICK AS IDENTIFIED ON THE SIDEWALK RAMP THICKNESS DETAIL. THE LANDING SHALL BE 4-INCHES THICK. THE PAY ITEMS FOR Curb Ramp, Conc, __ inch AND Sidewalk, Conc, __ inch SHALL INCLUDE ALL EXCAVATION AND EMBANKMENT NECESSARY TO CONSTRUCT EACH ITEM AND ALL WORK NECESSARY TO SAW AND TRIM EDGES OF EXISTING CONCRETE. EXCAVATION AND EMBANKMENT WILL NOT BE PAID FOR SEPARATELY.

DETECTIBLE WARNING SURFACES SHALL BE EAST JORDAN DURALAST TM AND BLACK ASPHALT DIPPED, INSTALLED ONTO FRESH CONCRETE, AND IN ACCORDANCE WITH MOOT STANDARD R-28 SERIES. THE WARNING SURFACES SHALL BE 2.5 FEET IN LENGTH SUCH THAT TWO PLATES ARE USED FOR EACH 5 FOOT WIDE RAMP.

SIDEWALKS LOCATED WITHIN RESIDENTIAL DRIVEWAYS SHALL BE 6-INCHES THICK AND WILL BE PAID FOR AS Sidewalk, Conc, 6 inch.

SIDEWALKS LOCATED WITHIN COMMERCIAL DRIVEWAYS SHALL BE 7-INCHES THICK AND WILL BE PAID FOR AS Sidewalk, Conc, 7 inch.

SAWCUTTING

PAYMENT FOR SAWCUTTING REQUIRED THROUGHOUT THE PROJECT SHALL BE INCLUDED IN REMOVAL ITEMS AND WILL NOT BE PAID FOR SEPARATELY.

LAWN SPRINKLERS / LANDSCAPING

OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND / OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK THAT WILL BE DONE THAT WILL AFFECT THOSE SYSTEMS AND / OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE BACK OF THE RIGHT OF WAY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE BACK OF THE RIGHT OF WAY OR AT A LOCATION DESIGNATED BY THE ENGINEER FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE SPRINKLER SYSTEM AND / OR LANDSCAPING IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK WILL NOT BE PAID FOR SEPARATELY.

PROPERTY OWNERS

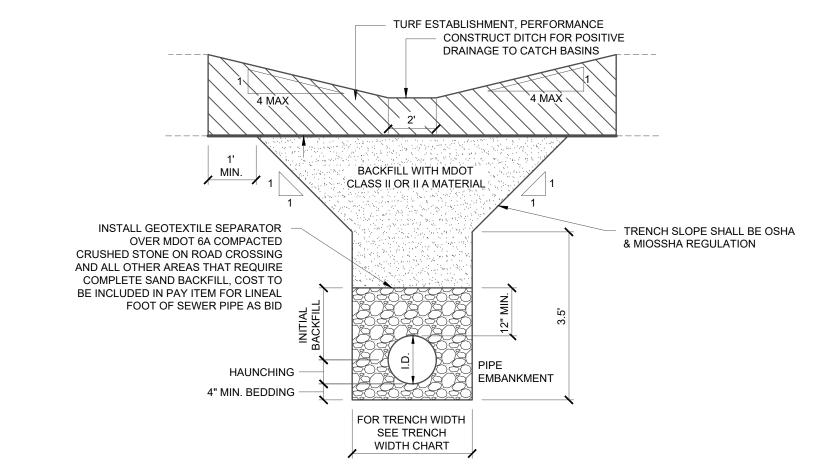
PROPERTY OWNERS' NAMES, WHERE SHOWN, ARE FOR INFORMATION ONLY, AND THIER ACCURACY IS NOT GUARANTEED.

MAINTAINING TRAFFIC

REFER TO THE CONTRACT SPECIAL PROVISION FOR WORK RESTRICTIONS RELATIVE TO MAINTAINING TRAFFIC.

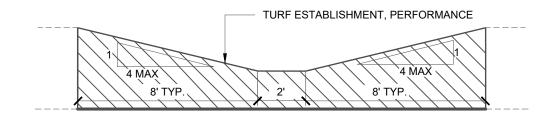
MAINTENANCE NOT

THE CONTRACTOR SHALL SCRAPE AND SWEEP ALL PUBLIC ROADS WITHIN WORK AREA AS NECESSARY TO MAINTAIN PAVEMENT AND PRIOR TO OPENING TO TRAFFIC.



TRENCH DETAIL A, MODIFIED DETAIL NOT TO SCALE

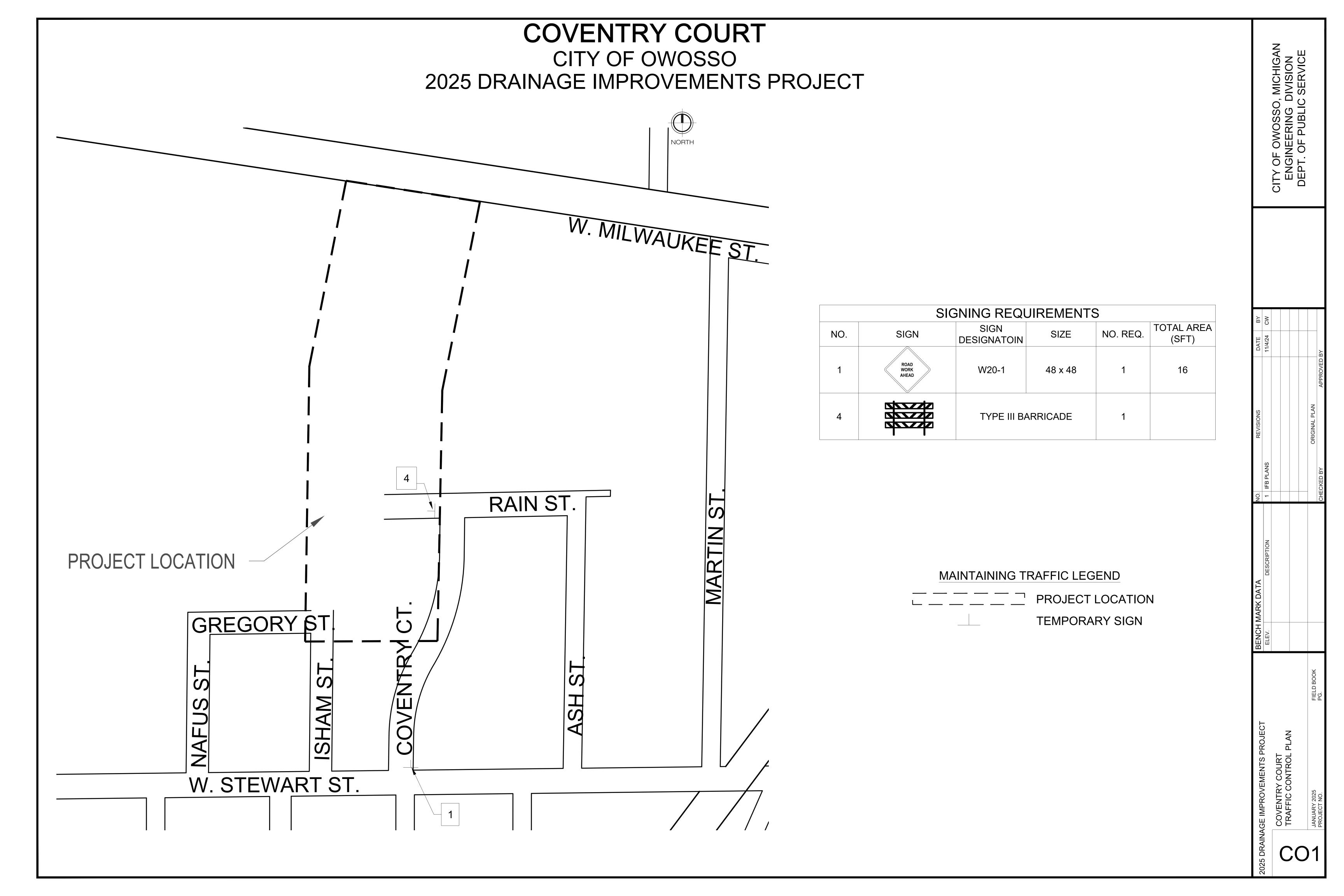
	TRENCH WIDTH CHART							
	PIPE SIZE	MINIMUM	MAXIMUM					
	6", 8" & 10"	24"	30"					
	12" & 15"	30"	36"					
	18"	34"	40"					
	21"	38"	42"					
	24"	42"	46"					
	27"	45"	49"					
	30"	49"	53"					
	36"	56"	60"					
LAF	RGER THAN 36"	I.D. +20"	I.D. +24					

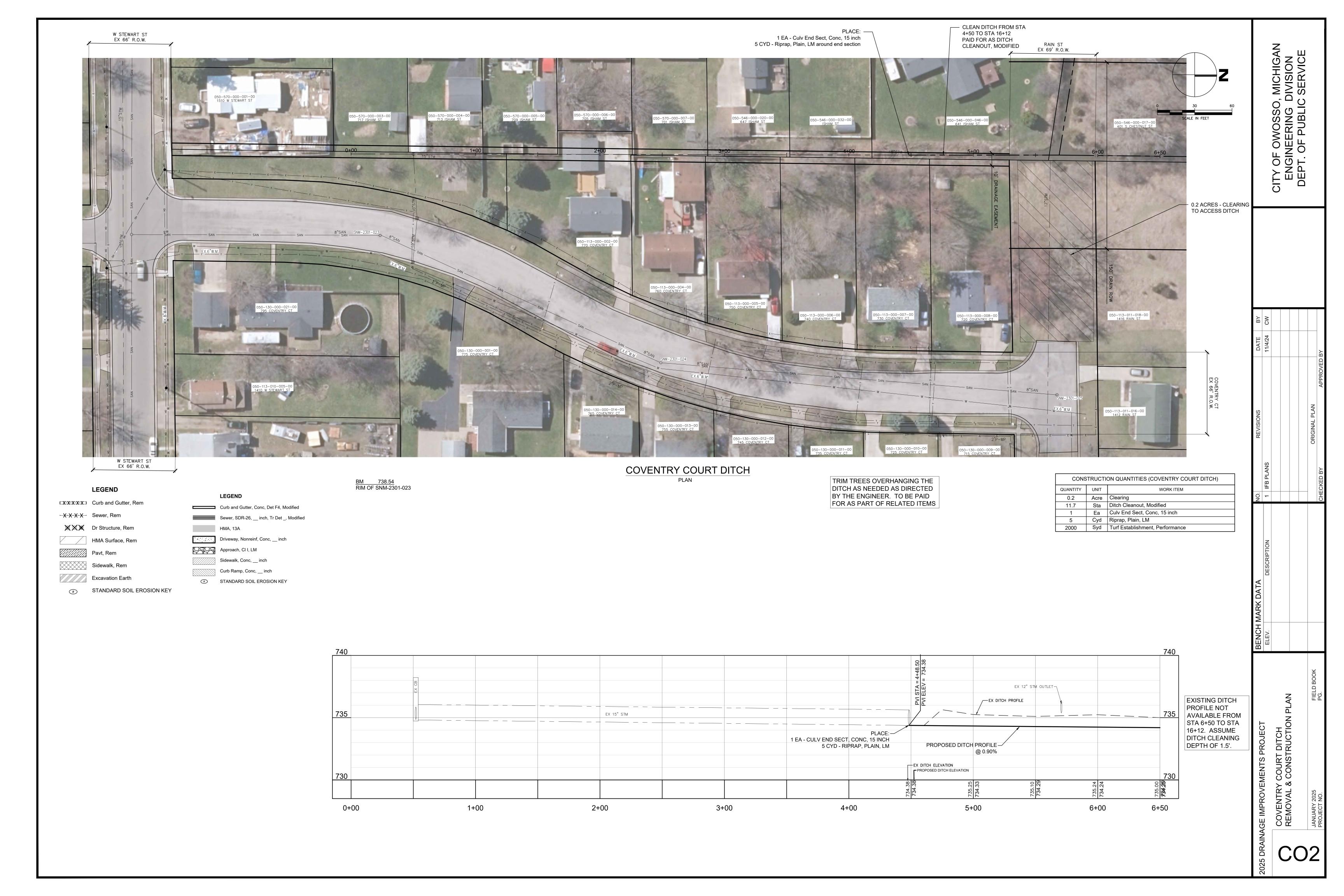


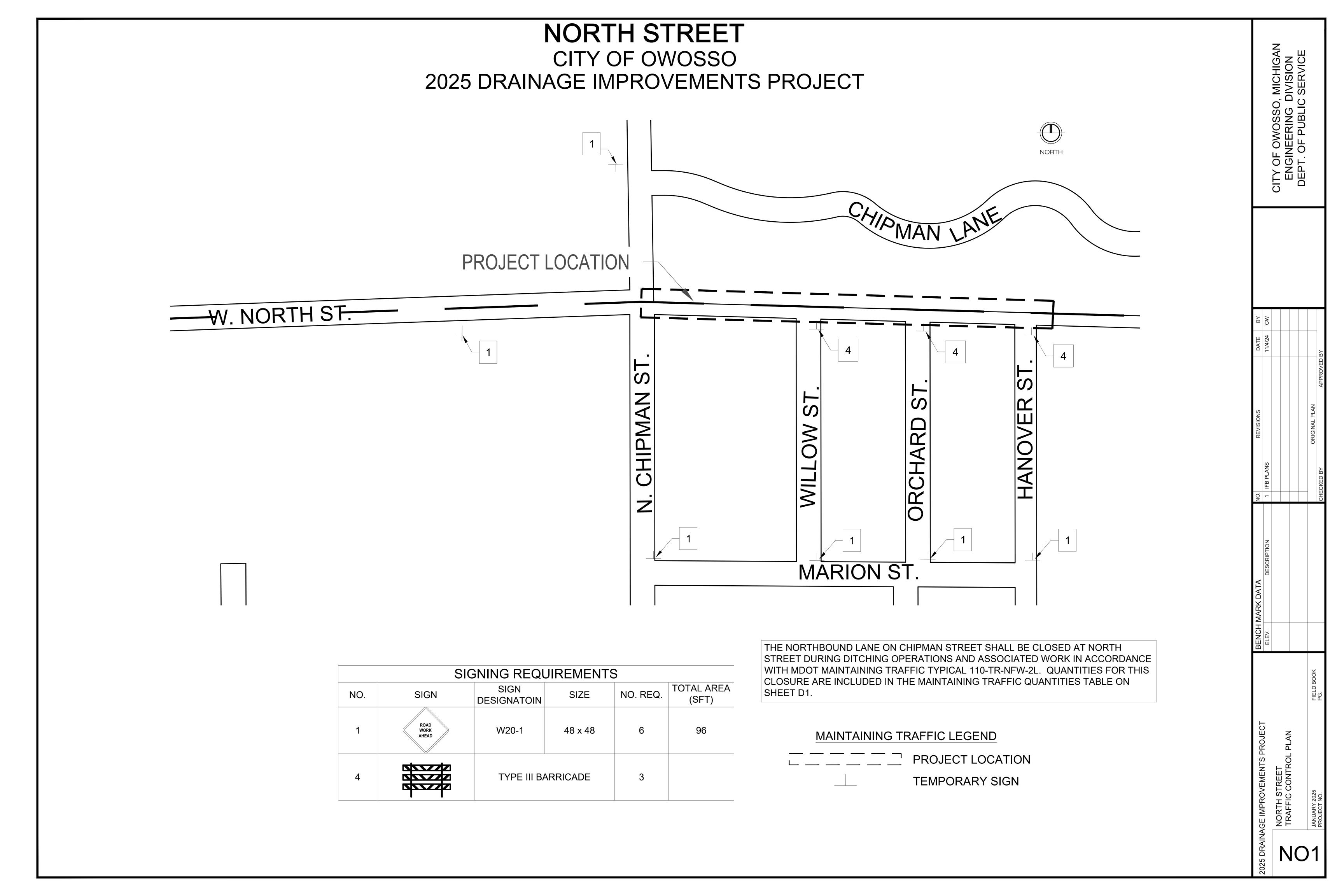
PROPOSED DITCH CROSS SECTION - NORTH ST

NOT TO SCA

ITY OF OWOSSO, MIC ENGINEERING DIVIS DEPT. OF PUBLIC SER









CHECK DAMS SHALL BE

BY THE ENGINEER.

REMOVED ONCE TURF IS

ESTABLISHED AS DIRECTED

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2025 DRAINAGE IMPROVEMENTS PROJECT

ELEV.

NORTH STREET DITCH

REMOVAL & CONSTRUCTION PLAN

