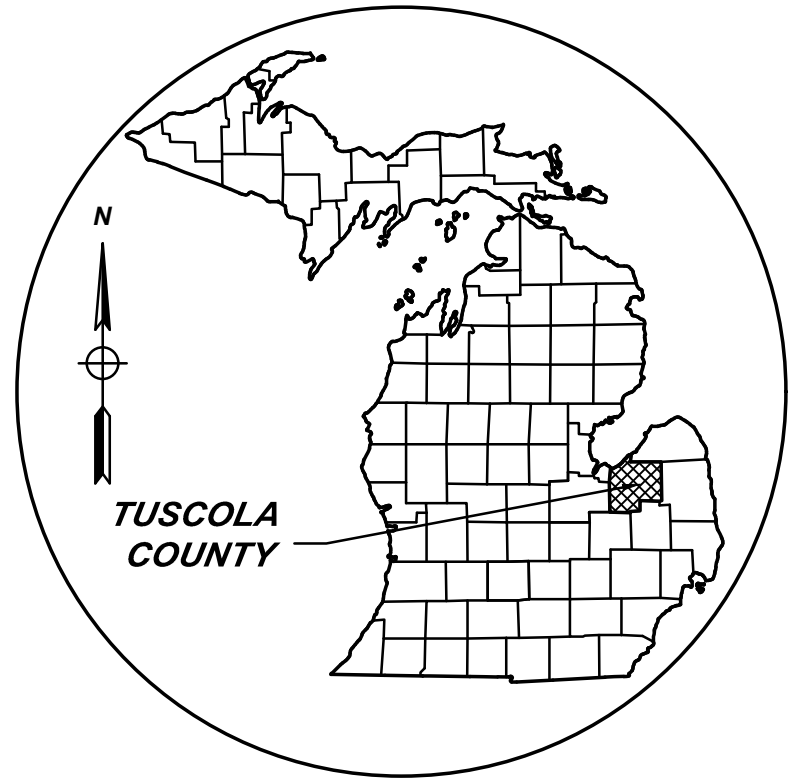
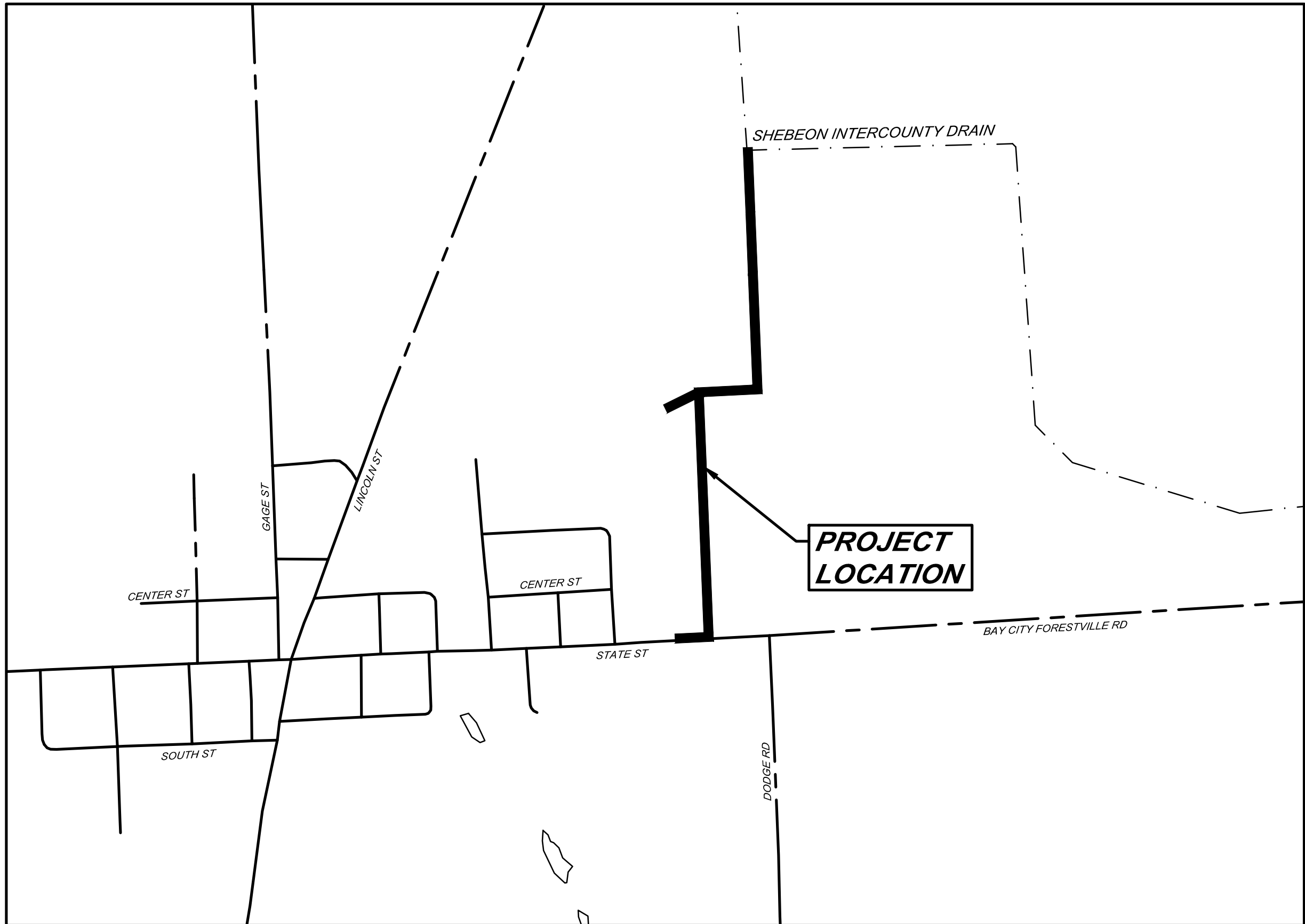


GAGETOWN DRAIN

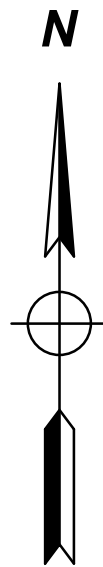
TUSCOLA COUNTY DRAIN COMMISSIONER - DARA HOOD



AREA MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE



SECTION 01, T14N-R10E
VILLAGE OF GAGETOWN,
TUSCOLA COUNTY, MICHIGAN

SECTION 06, T14N-R11E
ELKLAND TOWNSHIP,
TUSCOLA COUNTY, MICHIGAN

PLAN INDEX		
FILE NO.	DESCRIPTION	NO.
DR-4869-01	COVER SHEET	01
DR-4869-02	CONTACTS, GENERAL NOTES, AND LINE TYPE LEGEND	02
DR-4869-03	SOIL EROSION AND SEDIMENTATION CONTROL PLAN	03
DR-4869-04	PLAN AND PROFILE STORM SEWER STA 0+00 TO 11+00	04
DR-4869-05	PLAN AND PROFILE STORM SEWER STA 11+00 TO 21+00	05
DR-4869-06	PLAN AND PROFILE STORM SEWER STA 21+00 TO 31+00 AND STA 0+00 TO STA 2+00	06
DR-4869-07	STANDARD DETAILS	07

BY	MARK	REVISIONS			DATE
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.					
GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN					
COVER SHEET					
			SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax 989-754-4440 www.SpicerGroup.com		
DE. BY:		CH. BY:		PROJECT NO.	
DR. BY: SCT		APP. BY: M/J		135125SG2023	
STDs.		N/A		SHEET 01 OF 07	
DATE AUGUST, 2026		SCALE NOT TO SCALE		FILE NO. DR-4869-01	

NO WORK SHALL BE PERFORMED BEFORE 7:00 AM OR AFTER 7:00 PM MONDAY THROUGH SATURDAY. NO WORK SHALL HAPPEN ON SUNDAYS OR HOLIDAYS, UNLESS AUTHORIZED BY THE OWNER.

CONTRACTOR SHALL MAINTAIN ACCESS FOR MAIL DELIVERY AND GARBAGE PICKUP AT ALL PARCELS. IF THESE SERVICES CANNOT BE PERFORMED, CONTRACTOR IS RESPONSIBLE FOR TAKING THE NECESSARY MEASURES TO CARRY THEM OUT.

CONTRACTOR TO PROVIDE DUST CONTROL AND SWEEP ROADS DAILY.

UNDERGROUND UTILITIES/MISS DIG

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 EXISTS.

ANY UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE SUPPORTED, PER THE SPECIFICATIONS OF THE INDIVIDUAL UTILITY COMPANY CLAIMING OWNERSHIP OF THE UTILITY.

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY OWNER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD, SEED/MULCH, OR SEED/MULCH BLANKET AS DIRECTED BY OWNER.

ALL CATCHBASINS AND SEDIMENTATION TRAPS/BASINS SHALL BE CLEANED OUT UPON COMPLETION OF THE PROJECT.

PROPERTY OWNERS

ADJUSTING MONUMENT BOXES

TRAFFIC

PERMITS

CONSTRUCTION PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF THE APPROPRIATE AGENCIES.

<i>TUSCOLA COUNTY DRAIN COMMISSION ATT: DARAHOOD 125 W. LINCOLN STREET CARO, MI 48723 PHONE: (989) 672-3820</i>	<i>OWNER</i>
<i>VILLAGE DPW ATT: CHRIS ABBE 6737 SOUTH STREET GAGETOWN, MI 48735 PHONE: (989) 977-0034</i>	<i>VILLAGE</i>
<i>SPICER GROUP ATT: CHRISTIAN VALESANO, PE 230 S. WASHINGTON SAGINAW, MI 48607 PHONE: (989) 754-4440</i>	<i>ENGINEER</i>
<i>CONSUMERS ENERGY ATT: KYLE SKRABUT 2400 WEISS STREET SAGINAW, MI 48602 PHONE: (989) 791-5918</i>	<i>GAS</i>
<i>CONSUMERS ENERGY ATT: SARA KIPP 4100 DOERR ROAD CASS CITY, MI 48726 PHONE: (989) 872-6107</i>	<i>ELECTRIC</i>
<i>AT&T ATT: MICHAEL MCLANE 309 S. WASHINGTON STREET SAGINAW, MI 48607 PHONE: (586) 382-9901</i>	<i>TELEPHONE</i>
<i>TUSCOLA COUNTY ROAD COMMISSION ATT: BRENT DANKERT, P.E. 1733 MERTZ ROAD CARO, MI 48723 PHONE: (989) 673-2128</i>	<i>ROAD COMMISSION</i>

ALL WORK SHALL BE CONFINED TO THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY WORK OUTSIDE OF THESE LIMITS SHALL BE AGREED TO BY THE CONTRACTOR AND THE LANDOWNER IN WRITING.

CONTRACTOR TO RESTORE INCIDENTAL DAMAGES ON THE PROJECT AS DIRECTED BY OWNER AND ENGINEER AT THE CONTRACTOR'S EXPENSE.

THE WORDS "RIGHT SIDE" OR "LEFT SIDE" IMPLY A REFERENCE TO THE DRAIN FACING UPSTREAM.

REINSTALLATION OF FENCES MUST BE COORDINATED WITH THE LANDOWNER AT THE LANDOWNER'S EXPENSE, UNLESS STATED OTHERWISE IN THE PLANS.

CONTRACTOR TO CLEAR TREES WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION LIMITS AS NECESSARY TO CONSTRUCT PROJECT AND LEVEL SPOILS AS SHOWN IN DETAILS. COORDINATE REMOVALS WITH THE ENGINEER/LANDOWNER.

ALL JOINTS AT INTERSECTION APPROACHES AND DRIVEWAYS SHALL BE SAW-CUT WITH BUTT-JOINTS.

FOR OPEN CUT PAVEMENT REMOVAL, CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FULL DEPTH PRIOR TO REMOVAL.

ALL DRIVING SURFACES ARE TO BE RESTORED TO IN-KIND DEPTH AND MATERIAL, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

PROTECT ALL ROADS NOT SPECIFIED TO BE REMOVED DURING CONSTRUCTION. REPAIR ANY UNAUTHORIZED DAMAGE AT CONTRACTOR'S EXPENSE.

BROKEN CONCRETE AND DEBRIS SHALL BE CONSIDERED WASTE AND SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE. COST SHALL BE INCLUDED IN THE OTHER PAY ITEMS OF THE PROJECT.

MATCH EXISTING TYPE FOR CONCRETE CURB AND GUTTER RESTORATION.

CONTRACTOR SHALL REMOVE AND REPLACE ALL STREET AND TRAFFIC SIGNAGE AS NECESSARY FOR CONSTRUCTION. ALL COST SHALL BE INCLUDED IN THE BID PRICE FOR SITE CLEARING.

CONTRACTOR SHALL COORDINATE LOCATION OF ANY ACCESS ROADS WITH THE LANDOWNER AND THE ENGINEER. ANY ACCESS ROAD SHALL BE REPAIRED TO THE OWNER'S SATISFACTION.

ALL WORK WITHIN THE ROAD RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND GENERAL SPECIFICATIONS OF THE AGENCY WITH JURISDICTION OVER THE ROAD.

CONTRACTOR SHALL REMOVE AND TEMPORARILY RELOCATE ALL EXISTING MAIL BOXES AS NEEDED FOR CONSTRUCTION. COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR SITE CLEARING.

ALL TEMPORARILY RELOCATED MAIL BOXES, STREET AND TRAFFIC SIGNS TO BE REINSTALLED TO ORIGINAL LOCATIONS AS CONSTRUCTION ALLOWS. COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLEANUP AND RESTORATION.

UTILITIES LOCATED IN THE ROAD AND DRAIN RIGHTS-OF-WAY WILL BE RELOCATED BY OTHERS, UNLESS OTHERWISE NOTED ON THE PLANS.

THE COUNTY PUBLIC WORKS / DRAIN COMMISSIONER'S / WATER RESOURCES COMMISSIONER'S MINIMUM CLEARANCE STANDARDS SHALL BE MET WHENEVER RELOCATING EXISTING UTILITIES WITHIN THE DRAIN RIGHT-OF-WAY.

ALL WATER VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE. COST SHALL BE INCLUDED IN THE PAY ITEM BEING INSTALLED.

ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ALL MANHOLE RIMS IN ROADWAYS AND DRIVES SHALL BE ADJUSTED PRIOR TO FINAL PAVING TO BE FLUSH WITH FINISHED GRADE.

GRADING AROUND MANHOLES/CATCHBASINS, FLARED END SECTIONS, AND OTHER INLETS SHALL BE SMOOTH AND SHAPED TO PROVIDE POSITIVE DRAINAGE INTO THE INLETS.

DEMOLISH EXISTING STRUCTURE(S) AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. COST TO BE INCLUDED WITH THE ITEM BEING INSTALLED AS DIRECTED BY OWNER/ENGINEER.

CONTRACTOR SHALL CONNECT ANY AND ALL FIELD TILE OUTLETS AND OTHER STORM LEADS TO PROPOSED STORM SEWER WITH PREMANUFACTURED TEES, WYES, GASKETS, SEALS, COUPLERS, BOOTS, ETC. PER SPECIFICATIONS.

ALL RIPRAP MATERIAL SHALL BE APPROVED BY THE ENGINEER. OWNER AND ENGINEER RESERVES THE RIGHT TO REJECT ANY AND ALL RIPRAP.

CONTRACTOR SHALL FINISH GRADE, SEED, FERTILIZE, AND MULCH DAILY ON ALL DISTURBED AREAS AS DESCRIBED IN THE SPECIFICATIONS.

1. ALL STORM SEWER TO BE ADS N-12 PIPE UNLESS OTHERWISE NOTED ON PLANS.

BC = BACK OF CURB
 BM = BENCH MARK
 CB = CATCH BASIN
 CC = CENTERLINE
 CJ = CONSTRUCTION JOINT
 CL = CENTERLINE
 CMP = CORRUGATED METAL PIPE
 COM = COMB
 CORR = CORRUGATED
 CSP = CORRUGATED STEEL PIPE
 EF = DUCTILE IRON PIPE
 EF = EACHE FACE
 ELEC = ELECTRIC
 EOR OR ELEV = ELEVATION
 EL = EDGE OF METAL
 EOP = EDGE OF PAVEMENT
 EQSP = EQUALLY SPACED
 ESMT = EASEMENT
 EW = EACH WAY
 EX OR EXIST = EXISTING
 FES = FLARED END POINT
 FF = FINISH FLOOR
 FG = FINISH GROUND
 FL = FLOW LINE
 FS = FINISH SURFACE
 FT FEET
 GALV = GALVANIZED
 G = GUTTER
 GA = GAUGE
 HDG = HOT DIP GALVANIZED
 HDG = HIGH DENSITY POLYETHYLENE
 HMA = HOT MIX ASPHALT
 HOR = HORIZONTAL
 HV = HIGH POINT
 HYD = HYDRANT
 IN = INVERT
 LP = LOW POINT
 OC = ON CENTER
 OH = OVERHEAD
 MH = MANHOLE
 MIN = MINIMUM
 MON = MONUMENT
 NFL = NOT FIELD LOCATED
 NTS = NOT TO SCALE
 PROF = PROPOSED
 PVP = POLY VINYL CHLORIDE
 RCP = REINFORCED CONCRETE PIPE
 ROW = RIGHT OF WAY
 SAN = SANITARY
 SE = SOIL BORING
 SS = STAINLESS STEEL
 STA = STATION
 STM = STORM
 SWR = SEWER
 TB = TOP AND BOTTOM
 TC = TOP OF CURB
 TOB = TOP OF BANK
 TOE = TOE OF SLOPE
 TEL = TELEPHONE
 TW = TOP OF RETAINING WALL
 TW = TOP OF WALK
 UNO = UNDERGROUND
 UNO = UNLESS NOTED OTHERWISE
 VERT = VERTICAL
 WM = WATERMAIN
 WSEL = WATER SURFACE ELEVATION

- - *MANHOLE*
- - *CATCHBASIN*
- - *FIRE HYDRANT*
- - *WATER VALVE*
- - *BARRIER FREE PARKING*
- - *LIGHT POLES*
- - *DRAINAGE FLOW*
- - *SPOT ELEVATION LABELS*

G = GUTTER
TW = WALK
TC = TOP OF CURB
FS = FINISH SURFACE

- EXISTING ROAD CENTERLINE
- EXISTING BRINE LINE
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER OR FORCEMAIN
- EXISTING STORM SEWER
- EXISTING TELEPHONE CABLE
- EXISTING GAS MAIN
- EXISTING ELECTRIC
- EXISTING DRAINS (OTHER)
- PROPOSED UTILITY
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- FENCE LINE
- OVERHEAD UTILITY
- RAILROAD TRACKS
- STATION LINE
- LIMITS OF RIGHT OF WAY
- EASEMENT
- 100 YEAR FLOODPLAIN
- ORDINARY HIGH WATER MARK
- SILT FENCE
- REVERSE PAN CURB & GUTTER
- TREE LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS

EXISTING SYMBOLS

- | | | | |
|-----------|----------------------------|---|-------------------------|
| ○ | - MANHOLE |  | - BARRIER FREE PARKING |
| ② | - CATCH BASIN |  | - SPRINKLER |
| ② | - CURB CATCH BASIN |  | - RAILROAD SIGNAL |
| ⊕ | - FIRE HYDRANT |  | - ANTENNA |
| ⊕ | - GAS VALVE |  | - SATELLITE DISH |
| ⊕ | - WATER VALVE |  | - AIR CONDITIONING UNIT |
| □ | - TELEPHONE PEDESTAL |  | - SOIL BORING |
| ● | - POWER POLE |  | - CONTROL POINT |
| ○ | - TELEPHONE POLE |  | - BENCH MARK |
| ⊕ | - POWER AND TELEPHONE POLE |  | - FOUND SURVEY CORNER |
| ⊕ | - LIGHT POLE | ● | - SET 1/2" IRON ROD |
| ← ○ | - GUY ANCHOR AND POLE | ● | - 1/4 SECTION CORNER |
| □ | - MAIL BOX |  | - BREAK IN LINE |
| ⊕ | - WATER METER |  | - EXISTING SIGN-1 POST |
| ⊕ | - ELECTRIC MANHOLE |  | - EXISTING SIGN-2 POST |
| ⊕ | - TELEPHONE MANHOLE |  | - STUMP |
| ⊕ | - WATERMAIN MANHOLE |  | - WETLANDS |
| ⊕ M. W. - | - MONITORING WELL |  | - PINE |
| ○ | - HAND HOLE |  | - BUSH |
| □ | - TRANSFORMER |  | - TREE |
| ■ | - ELECTRICAL PEDESTAL | | |

BY	MARK	REVISIONS	DATE
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GAGETOWN DRAIN TUSCULO COUNTY, MICHIGAN			
CONTACTS, GENERAL NOTES, AND LINE TYPE LEGEND			
		SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-254-1717 Fax 989-754-4440 www.SpicerGroup.com	
DE. BY: SCT	CH. BY: MDN	PROJECT NO.	
DR. BY: SCT	APP. BY: MJJ	1351255G2023	
STDs. N/A	FILE NO.	DR 02	
DATE AUGUST, 2026	DR-4869-02		
CALC. N/A			

EROSION CONTROL MEASURES			
KEY	SESC MEASURE	SYMBOL	WHERE USED
1	Seeding		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	Mulch		On flat areas, slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind or water.
6	Catchbasin		Where surface water accumulates and needs an outlet or an open drain discharges to a stream or drain at erosive velocities. Within an enclosed drain system to provide an inlet and a sump.
7	Storm Drain Inlet Protection		Around the entrance to a catchbasin or an inlet that will capture runoff from an earth change activity.
15	Riprap		Along drain banks, shorelines, or where concentrated flows occur. Slows velocity, reduces erosion and sediment load.
16	Riprap Toe of Slope		Riprap toe of slope protection is used in areas where velocities are causing drain bank erosion and are too high to stabilize using other methods.
19	Armored Spillway		When concentrated flow must be conveyed down a drain bank or slope or discharge into another drain. Where slope failure or channel scour is observed or is likely to occur, or when runoff must be redirected around work in the drain.
26	Dust Control		As a temporary measure on exposed and unstabilized areas that must be protected from wind or water erosion.
28	Stone Construction Access		At locations where construction equipment will enter and exit the drain easement and tracking of soil is anticipated.

ROUTINE MAINTENANCE ACTIVITIES		
KEY	BEST MANAGEMENT PRACTICE	SESC PLAN
A	Debris Removal	NO
B	Sediment Removal	NO
C	Stormwater Basin Maintenance	NO
D	Drain Crossing Maintenance	NO
E	Enclosed Drain Maintenance	NO

DETAILED DRAWINGS AND SPECIFICATIONS ARE LOCATED IN THE MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SOIL EROSION AND SEDIMENTATION CONTROL AUTHORIZED PUBLIC AGENCY PROCEDURES MANUAL.

SYMBOLGY FOR INSERTION INTO CONSTRUCTION DRAWINGS:

= PERMANENT MEASURE

= TEMPORARY MEASURE

CONTINUED MAINTENANCE PROGRAM FOR PERMANENT SESC MEASURES	
RESPONSIBLE PARTY:	TUSCOLA COUNTY
PERMANENT SESC MEASURE	MAINTENANCE PROCEDURE
SEEDING:	REPAIR BARE AREAS, APPLYING SUPPLEMENTAL SEED, MULCH, AND WATER AS NEEDED. MOWING CAN BE USED PERIODICALLY TO DISCOURAGE WEEDS.
RIPRAP:	REPAIR AREAS WHERE ROCK HAS BEEN DISPLACED. EXPAND RIPRAP AREA IF NEEDED.

TUSCOLA COUNTY	
SOIL CLASS	SOIL COMPOSITION
18	ESSEXVILLE LOAMY FINE SAND
20B	GUELPH-LONDO LOAMS, 0 TO 6 PERCENT SLOPES
27B	BOYER SANDY LOAM, 0 TO 6 PERCENT SLOPES
27C	BOYER SANDY LOAM, 6 TO 12 PERCENT SLOPES
36	TAPPAN LOAM, 0 TO 1 PERCENT SLOPES

GENERAL TIMING & SEQUENCE

INSTALL TEMPORARY CONTROL MEASURES

SITE CLEARING

INSTALL CULVERT AND STORM SEWER

RESTORATION

INSTALL AND ESTABLISH PERMANENT CONTROL MEASURES

REMOVE TEMPORARY CONTROL MEASURES

GENERAL MAINTENANCE

- CONTRACTOR SHALL MAINTAIN ALL PERMANENT SESC MEASURES FOR A PERIOD OF 1 YEAR FOLLOWING THEIR INSTALLATION.
- TEMPORARY SESC MEASURES MUST BE INSTALLED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
- TEMPORARY MEASURES MUST BE MAINTAINED AND IN PLACE UNTIL AREAS ARE PERMANENTLY STABILIZED.
- PERMANENT MEASURES MUST BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL COMPLETION.
- DAILY MAINTENANCE IS THE CONTRACTOR'S RESPONSIBILITY.
- TEMPORARY SESC MEASURES MUST BE REMOVED AT THE END OF THE PROJECT ONCE PERMANENT MEASURES ARE ESTABLISHED.
- TEMPORARY SESC MEASURES MUST BE INSTALLED PRIOR TO OR AT THE TIME OF EARTH DISTURBANCE.
- INSPECT WEEKLY AND AFTER EACH RAIN EVENT UNTIL VEGETATION HAS BEEN ESTABLISHED.
- IF NECESSARY, REPAIR AND RE-SEED OR REPLANT ERODED AREAS IMMEDIATELY.

SEEDING AND MULCHING

- SEEDING PRACTICES INCLUDE TOPSOIL (AS DIRECTED BY ENGINEER), SEED, POLYMER, AND MULCH OR MULCH MATTING (AS DIRECTED BY ENGINEER OR WHERE SHOWN ON PLANS).
- WHERE NECESSARY, APPROPRIATE MULCH MUST BE APPLIED BASED ON SLOPE AND GROWING CONDITIONS AS APPROVED BY THE PROJECT MANAGER.
- ALL SLOPES AND HIGHLY EROSION AREAS MUST BE SEEDED, POLYMER APPLIED, AND MULCHED AS NEEDED WHEN CONSTRUCTION ACTIVITY IS NOT TAKING PLACE.
- SEED AND MULCH IS TO BE INSPECTED DAILY FOLLOWING EACH RAIN EVENT TO DETERMINE IF CONCENTRATED FLOWS ARE PRESENT.
- IN THE EVENT THAT SEED AND MULCH ARE REMOVED BY EROSION RUNOFF, REPAIRS ARE TO BE MADE IMMEDIATELY.
- ALL AREAS DURING CONSTRUCTION MUST BE PERMANENTLY STABILIZED WITHIN 72 HOURS OF FINAL GRADE (GRADE LISTED ON PLAN).

STORM DRAIN INLET PROTECTION

- INSPECT ROUTINELY AND FOLLOWING A PRECIPITATION EVENT THAT RESULTS IN RUNOFF UNTIL SEDIMENT FILTER IS REMOVED.
- ROUTINELY REMOVE SEDIMENT ACCUMULATION.
- REPAIR AND REPLACE CONTROL MEASURES AS NEEDED.

SILT FENCE

- SILT FENCE IS TO BE TRENCHED IN NO LESS THAN 6 INCHES BELOW THE GROUND SURFACE.
- INSPECT SILT FENCE DAILY AND IMMEDIATELY FOLLOWING EACH RAINFALL.
- REPAIR WHEN SILT FENCE IS SAGGING OR HAS BEEN REMOVED/TORN DOWN.
- WHEN SILT COLLECTS TO HALF THE HEIGHT OF THE FENCE, ALL SILT IS TO BE REMOVED AND FENCE REPAIRED.
- REMOVE SILT FENCE WHEN PERMANENT SESC MEASURES ARE IN PLACE AND VEGETATION IS ESTABLISHED.

STABILIZED CONSTRUCTION ACCESS

- INSPECT WEEKLY AND AFTER EACH RAINFALL.
- WHEN CONSTRUCTION ACCESS IS NO LONGER EFFECTIVE, SCRAPE THE TOP LAYER AND ADD 2" OF AGGREGATE.

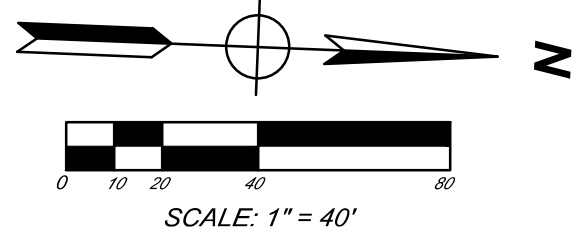
COMPLIANCE WITH PART 91 OF PA 451

- RESPOND IMMEDIATELY TO STORMWATER OPERATOR AND/OR SOIL EROSION AND SEDIMENTATION CONTROL INSPECTOR'S CONCERNS. MAKE CORRECTIVE MEASURES AS REQUIRED IMMEDIATELY AS DETAILED BY THE APPROVED APA MANUAL(S).

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

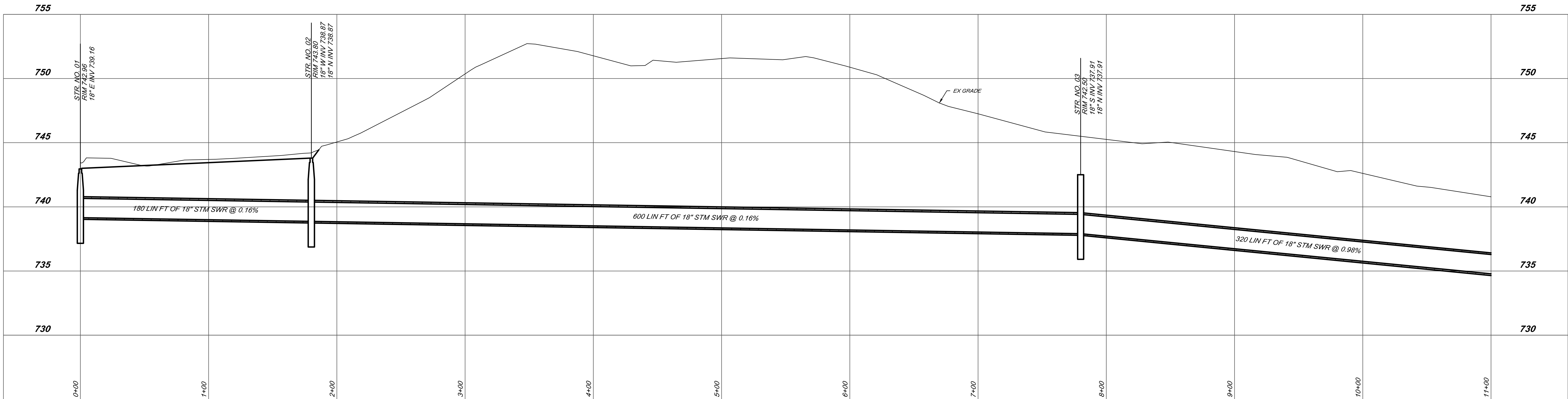
- INSTALL AND MAINTAIN ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION OR MASS GRADING. ALL SESC MEASURES MUST BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CEDARIDGE DRAIN SESC PLAN AND PROJECT SPECIFICATIONS.
- SOIL EROSION CONTROL MEASURES MUST BE INSPECTED BY A STATE CERTIFIED INSPECTOR AFFILIATED WITH THE COUNTY PUBLIC WORKS / COUNTY DRAIN COMMISSIONER'S OFFICE PRIOR TO COMMENCEMENT OF CONSTRUCTION OR MASS GRADING.
- DAILY INSPECTION AND MAINTENANCE MUST BE MADE TO ENSURE ALL EROSION CONTROL MEASURES ARE FUNCTIONING PROPERLY AND INTACT. NECESSARY REPAIRS MUST BE PERFORMED WITHIN 24 HOURS.
- ADDITIONAL SOIL EROSION CONTROL MEASURES MUST BE PROVIDED THROUGHOUT CONSTRUCTION ACTIVITY AS NEEDED AND DETERMINED BY THE AP/ENGINEER. THE SOIL EROSION AND SEDIMENTATION CONTROL PLAN IS TO BE AMENDED TO INCLUDE ADDITIONAL EROSION CONTROL MEASURES IMPLEMENTED ON-SITE.
- SEDIMENT FROM WORK ON THIS SITE IS TO BE CONTAINED ON THE SITE AND IS NOT TO BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, PONDS, AND WETLANDS.
- ALL VISUAL TRACKING INCLUDING MUD, DIRT, AND DEBRIS TRACKED ONTO EXISTING ROADWAYS MUST BE IMMEDIATELY REMOVED NO LESS THAN ON A DAILY BASIS BY SCRAPING AND SWEEPING AND/OR AS DIRECTED BY THE ENGINEER OR APA.
- DUST CONTROL MUST BE EXERCISED AT ALL TIMES DURING THE PROJECT AND AS DIRECTED BY THE ENGINEER OR APA. APPLY DUST SUPPRESSANT TO SURFACES USING A PRESSURE TYPE WATER DISTRIBUTOR TRUCK EQUIPPED WITH A SPRAY SYSTEM.
- ALL PERMANENT SOIL EROSION CONTROL MEASURES MUST BE IN PLACE WITHIN 24 HOURS OF FINAL GRADING (GRADE LISTED ON PLANS). THIS INCLUDES ALL VEGETATIVE STABILIZATION. VEGETATIVE STABILIZATION WILL BE ONGOING. TOPSOIL, FERTILIZER, SEED, POLYMER, SILT STOP (OR EQUAL), MULCH AND OR RIPRAP MUST BE IN PLACE BEFORE PROCEEDING TO THE NEXT WORK AREA. ALL TEMPORARY MEASURES SUCH AS SILT FENCE AND INLET PROTECTION BAGS ARE TO BE REMOVED ONCE PERMANENT SESC MEASURES ARE IN PLACE AND VEGETATION IS ESTABLISHED. REMOVAL OF TEMPORARY MEASURES, FOLLOWING ACCEPTANCE OF THE PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO WINTER CONSTRUCTION, ALL EXPOSED SOILS MUST BE STABILIZED WITH A COMBINATION OF SILT STOP 705 POLYMER BLEND, NORTH AMERICAN GREEN EROSION CONTROL BLANKETS, MULCH, OR OTHER APPROVED METHOD IF VEGETATION COULD NOT BE ESTABLISHED DURING THE GROWING SEASON AS DETERMINED BY THE APA OR ENGINEER.
- WORK AREAS MUST BE STABILIZED WITH TOPSOIL, SEED, FERTILIZER, AND MULCH WITHIN 24 HOURS FOLLOWING CONSTRUCTION. VEGETATIVE STABILIZATION IS ONGOING THROUGHOUT THE PROJECT.
- ALL SOIL EROSION CONTROL MEASURES MUST BE INSPECTED DAILY. THE STORM WATER OPERATOR IS TO MAKE A WEEKLY INSPECTION OR INSPECT AFTER EACH RAIN EVENT THAT RESULTED IN A DISCHARGE TO ENSURE PROPER MAINTENANCE OF THE SOIL EROSION CONTROL MEASURES. ANY DEFICIENCIES OR REPAIRS TO SOIL EROSION CONTROL MEASURES MUST BE CORRECTED IMMEDIATELY. INLET PROTECTION MEASURES, DANDY BAG II (OR EQUAL), FLEX STORM (OR EQUAL), MUST BE INSTALLED IN CATCHBASINS BEFORE ANY STORMWATER RUNOFF IS ALLOWED TO ENTER THE TOP OF THE STRUCTURES. THE SILT AND SEDIMENT MUST BE REMOVED FROM INLET PROTECTION MEASURES AS NEEDED TO ENSURE PROPER FUNCTION OF THE BAGS.
- THE NEED FOR TEMPORARY MEASURES SUCH AS SILT FENCE AND DANDY BAG II (OR EQUAL), FLEX STORM (OR EQUAL) FOR EXISTING OR NEW CATCHBASINS MUST BE ASSESSED ON A DAILY BASIS. PIPES ARE TO BE CAPPED AT THE END OF EACH WORKDAY. AT NO TIME SHOULD SEDIMENT COLLECT IN A CATCHBASIN OR AN OFF-SITE AREA. TEMPORARY MEASURES MUST BE REMOVED ONCE PERMANENT MEASURES ARE IN PLACE AND VEGETATION IS ESTABLISHED.
- IF DEWATERING IS NECESSARY, CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE ENGINEER OR APA FOR APPROVAL.
- THE NOTICE OF COVERAGE (IF REQUIRED), SOIL EROSION AND SEDIMENTATION CONTROL PLAN, AND STORMWATER OPERATOR LOGS MUST BE LOCATED ON SITE AT ALL TIMES.
- ALL RESTORATION TO OCCUR WITHIN 24 HOURS OF FINAL GRADING.

BY	MARK	REVISIONS	DATE
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.			
GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN			
SOIL EROSION AND SEDIMENTATION CONTROL PLAN			
		SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax. 989-754-4440 www.SpicerGroup.com	
DE. BY:	SCT	CH. BY:	MDN
DR. BY:	SCT	APP. BY:	MJJ
		PROJECT NO. 135125SG2023	
STDS.	N/A	SHEET 03 OF 07	DR 03
DATE	AUGUST, 2026	FILE NO.	
SCALE	N/A	DR-4869-03	



SECTION 01, T14N-R10E
VILLAGE OF GAGETOWN,
TUSCOLA COUNTY, MICHIGAN

QUANTITIES		
ITEM	UNIT	QTY.
4' DIA MH/CB	EACH	3
18" STM SWR	LIN FT	1100



PROPOSED STORM SEWER STRUCTURE TABLE				
STRUCTURE NO.	LOCATION	OFFSET	SIZE/TYPE	EJ/W FRAME W/ TYPE COVER GRATE
01	0+00	0.0' T	4' DIA MH/CB	1045 N W/OVAL GRATE
02	1+80	0.0' T	4' DIA MH/CB	1045 W/OVAL GRATE
03	7+80	0.0' T	4' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE

NOTE:
STRUCTURE RIM ELEVATIONS ARE TO BE ADJUSTED IN THE FIELD TO ENSURE POSITIVE DRAINAGE TO ALL STRUCTURES.

SHEET 07 EROSION CONTROL TABLE					
KEY*	FROM STATION	TO STATION	SIDE	DESCRIPTION	QTY
1 P	0+00	11+00	BOTH	SEEDING OF ALL DISTURBED AREAS	LUMP SUM
2 T	0+00	11+00	BOTH	MULCH OF ALL DISTURBED AREAS	LUMP SUM
6 P	AS SHOWN		-	CATCHBASIN	3 EA
7 T	ALL CATCHBASINS AND DRAIN BASINS		-	STORM DRAIN INLET PROTECTION	3 EA

NOTE: COORDINATE INSTALLATION OF EROSION CONTROL STRUCTURES WITH ENGINEER PRIOR TO CONSTRUCTION. LOCATIONS, QUANTITIES, OR TYPES MAY VARY BASED ON FIELD DECISIONS.

CONSTRUCTION NOTES

- STRUCTURE NO. 03 RIM ELEVATIONS TO BE SET A MINIMUM OF 2.5 FEET BELOW EXISTING GROUND ELEVATION. FILTER FABRIC IS TO BE PLACED OVER COVER PRIOR TO BURYING.
- STA 1+80 TO STA 7+80 - CONTRACTOR SHALL INSTALL 18" DIA HP STORM.

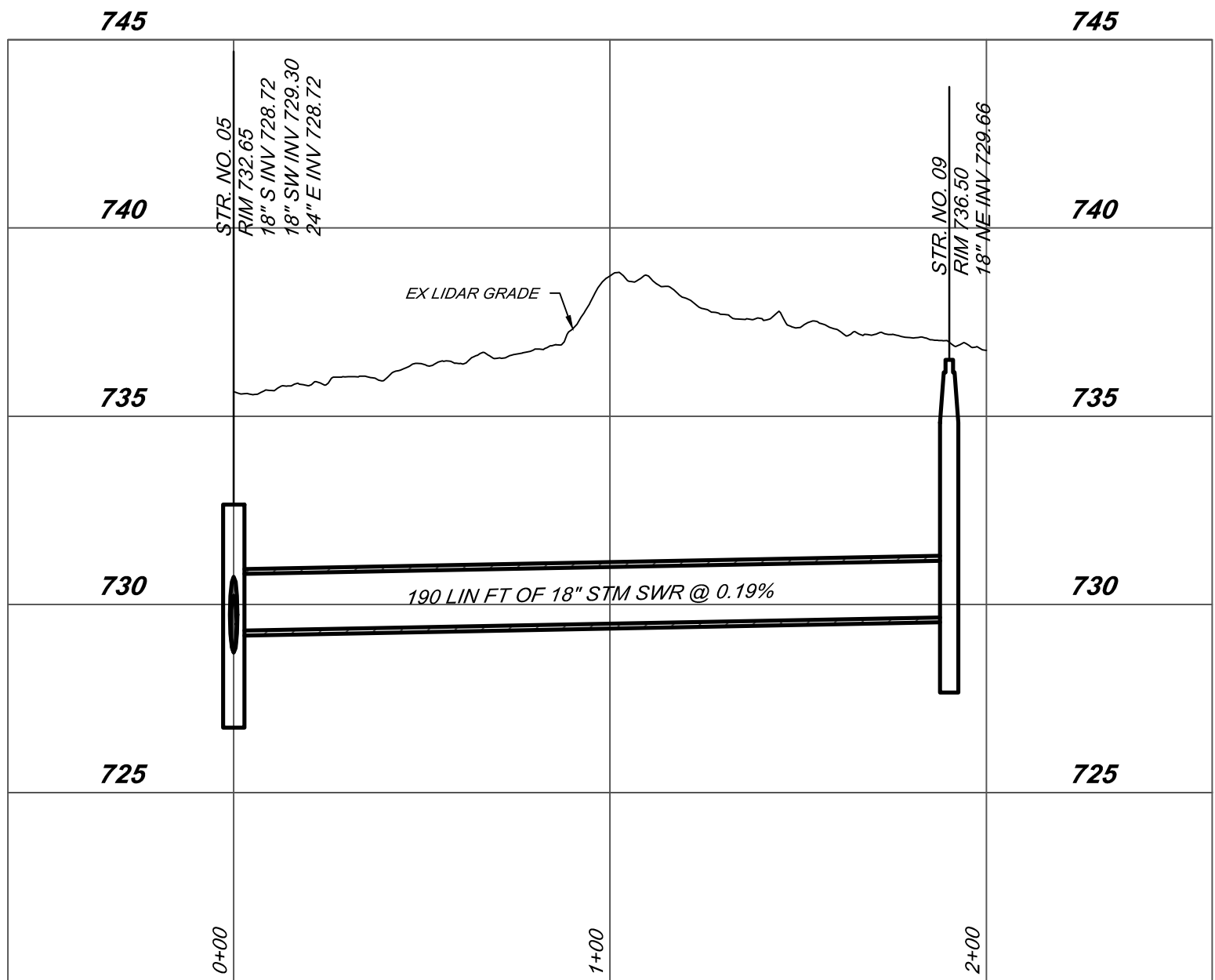
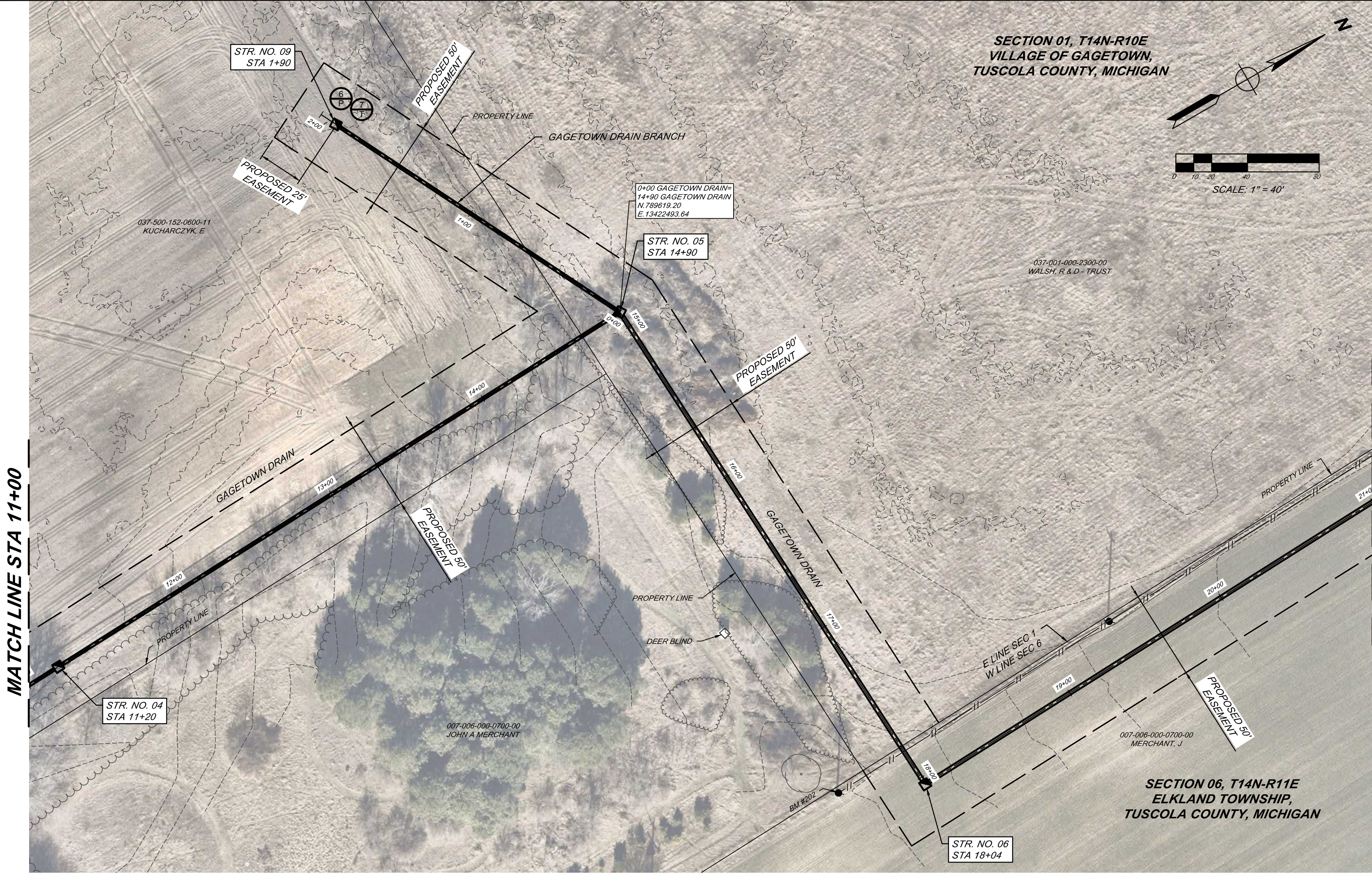
BENCHMARKS

BM 200 - SET GEAR SPIKE IN NORTH FACE OF LIGHT POLE ON SOUTH SIDE OF BAY CITY/FORESTVILLE ROAD, 470± WEST OF DODGE ROAD.
NAVD88 EL 749.51

RIGHT OF WAY

GAGETOWN DRAIN - DRAIN RIGHT-OF-WAY IS 50 WIDE 25 FEET ON EACH SIDE OF CENTERLINE OF DRAIN.

BY	MARK	REVISIONS	DATE
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.			
GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN			
PLAN AND PROFILE STORM SEWER STA 0+00 TO STA 11+00			
		SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax 989-754-4440 www.SpicerGroup.com	
DE. BY: SCT	CH. BY: MDN	PROJECT NO.	
DR. BY: SCT	APP. BY: M/J	135125SG2023	
STDs.	N/A	SHEET 04 OF 07	DR
DATE AUGUST, 2026	FILE NO.	DR-4869-04	04
SCALE H: 1" = 40' V: 1" = 4'			



GAGETOWN DRAIN BRACH PROFILE VIEW

PROPOSED STORM SEWER STRUCTURE TABLE				
STRUCTURE NO.	LOCATION	OFFSET	SIZE/TYPE	E/I/W FRAME W/ TYPE COVER GRATE
09	1+90	0.0' T	4' DIA MH/CB	1045 WIN OVAL GRATE

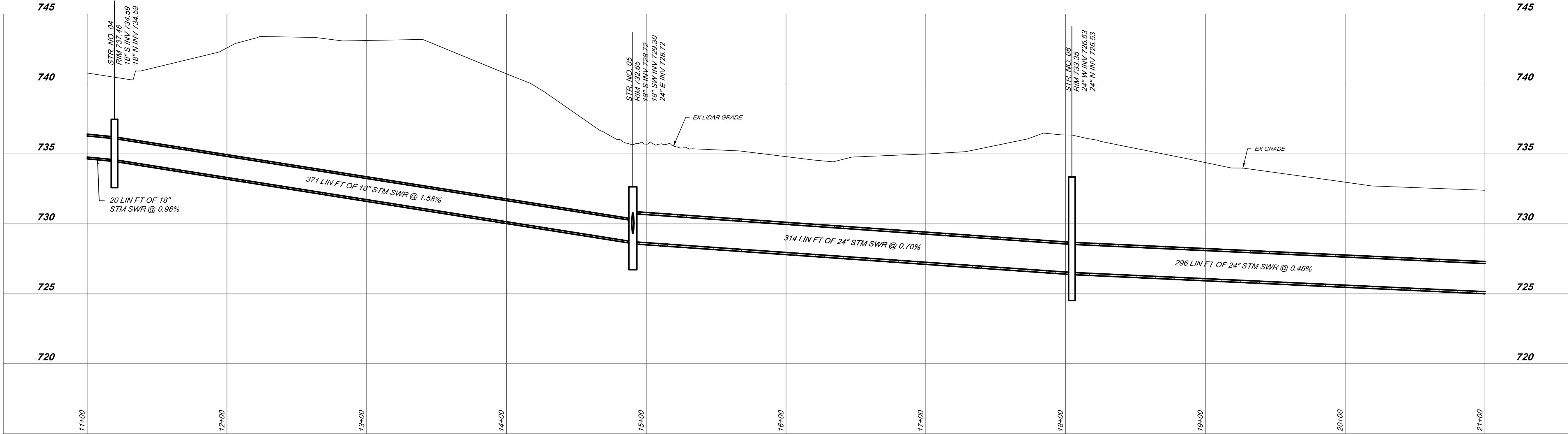
CONSTRUCTION NOTES

- STRUCTURE RIM ELEVATION TO BE ADJUSTED IN THE FIELD TO ENSURE POSITIVE DRAINAGE TO STRUCTURE NO. 09.
- STRUCTURE NO. 04 AND 06 RIM ELEVATIONS TO BE SET A MINIMUM OF 2.5 FEET BELOW EXISTING GROUND ELEVATION. FILTER FABRIC IS TO BE PLACED OVER COVER PRIOR TO BURYING.
- STRUCTURE NO. 05 RIM ELEVATION TO BE SET A MINIMUM OF 2 FEET BELOW EXISTING GROUND ELEVATION. FILTER FABRIC IS TO BE PLACED OVER COVER PRIOR TO BURYING.
- WALSH PROPERTY TO BE RESTORED AND PLANTED WITH CONSERVATION RESOURCE PROGRAM APPROVED MIX.

QUANTITIES		
ITEM	UNIT	QTY.
4' DIA MH/CB	EACH	3
5' DIA MH/CB	EACH	1
18" STM SWR	LIN FT	581
24" STM SWR	LIN FT	610

SHEET 07 EROSION CONTROL TABLE					
KEY*	FROM STATION	TO STATION	SIDE	DESCRIPTION	QTY
1 P	0+00	11+00	BOTH	SEEDING OF ALL DISTURBED AREAS	LUMP SUM
2 T	0+00	11+00	BOTH	MULCH OF ALL DISTURBED AREAS	LUMP SUM
6 P	AS SHOWN	-	-	CATCHBASIN	4 EA
7 T	ALL CATCHBASINS AND DRAIN BASINS	-	-	STORM DRAIN INLET PROTECTION	4 EA

NOTE: COORDINATE INSTALLATION OF EROSION CONTROL STRUCTURES WITH ENGINEER PRIOR TO CONSTRUCTION. LOCATIONS, QUANTITIES, OR TYPES MAY VARY BASED ON FIELD DECISIONS.



PROPOSED STORM SEWER STRUCTURE TABLE				
STRUCTURE NO.	LOCATION	OFFSET	SIZE/TYPE	E/I/W FRAME W/ TYPE COVER GRATE
04	11+20	0.0' T	4' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE
05	14+90	0.0' T	5' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE
06	18+04	0.0' T	4' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE

BENCHMARKS

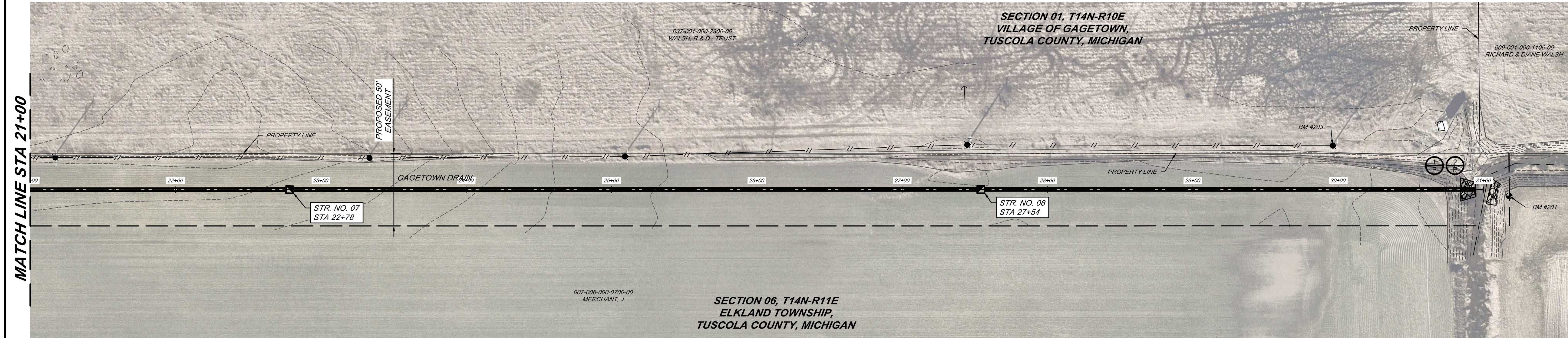
BM 202 - SET GEAR SPIKE IN WEST FACE OF 7TH POWER POLE SOUTH OF DRAIN INTERSECTION ON NORTH END OF PROJECT.

NAVD88 ELEV 738.98

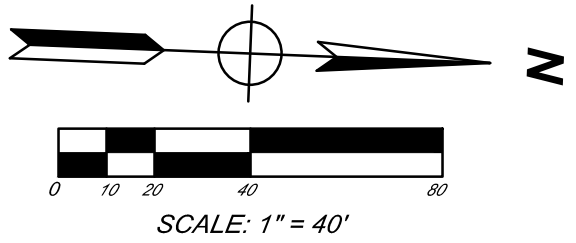
RIGHT OF WAY

GAGETOWN DRAIN - DRAIN RIGHT-OF-WAY IS 50 WIDE 25 FEET ON EACH SIDE OF CENTERLINE OF DRAIN.

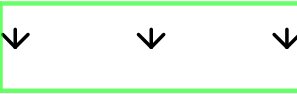
BY	MARK	REVISIONS				DATE	
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.							
GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN							
PLAN AND PROFILE STORM SEWER STA 11+00 TO STA 21+00 AND STA 0+00 TO STA 2+00							
				SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax. 989-754-4440 www.SpicerGroup.com			
DE. BY: SCT		CH. BY: MDN		PROJECT NO. 135125SG2023			
DR. BY: SCT		APP. BY: MJJ					
STDS. N/A		SHEET 05 OF 07		DR			
DATE AUGUST, 2026		FILE NO.		05			
SCALE H: 1" = 40' V: 1" = 4'		DR-4869-05					

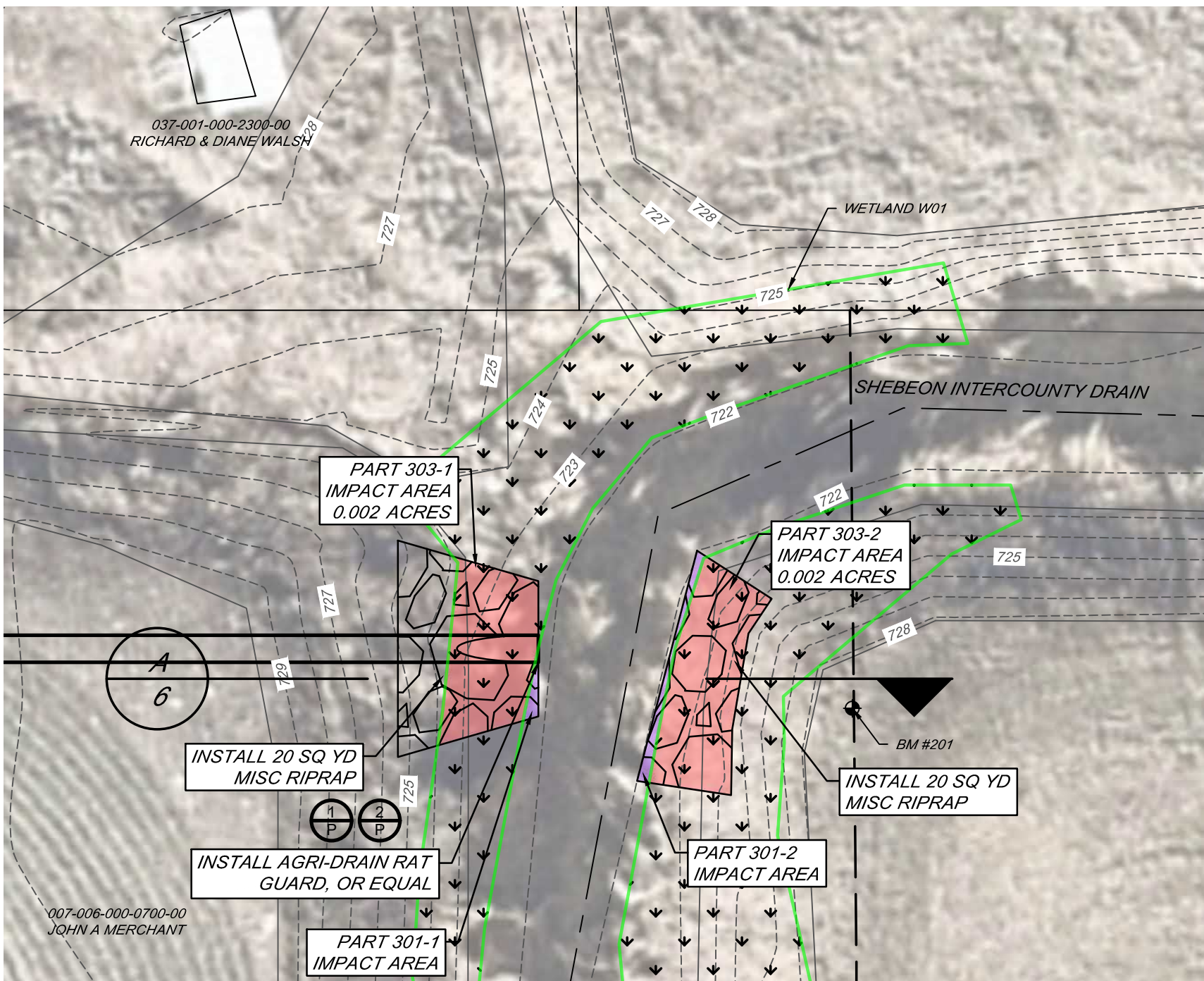
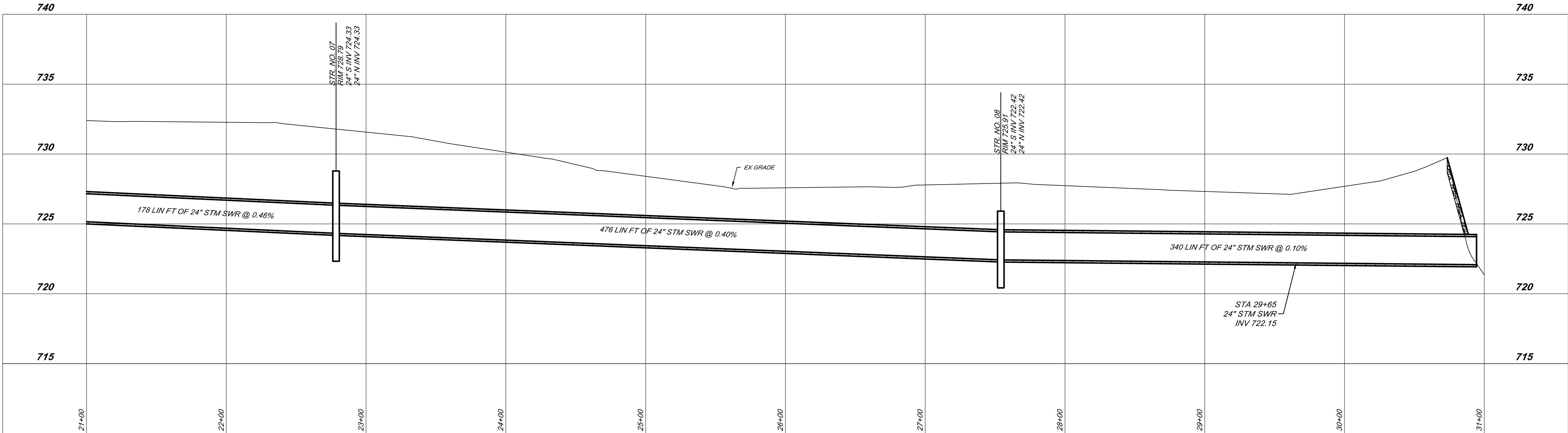


QUANTITIES		
ITEM	UNIT	QTY.
4" DIA MH/CB	EACH	2
24" STM SWR	LIN FT	994



LEGEND

-  - WETLAND AREA
-  - PART 303 PERMANENT IMPACT AREA
-  - PART 301 IMPACT AREA

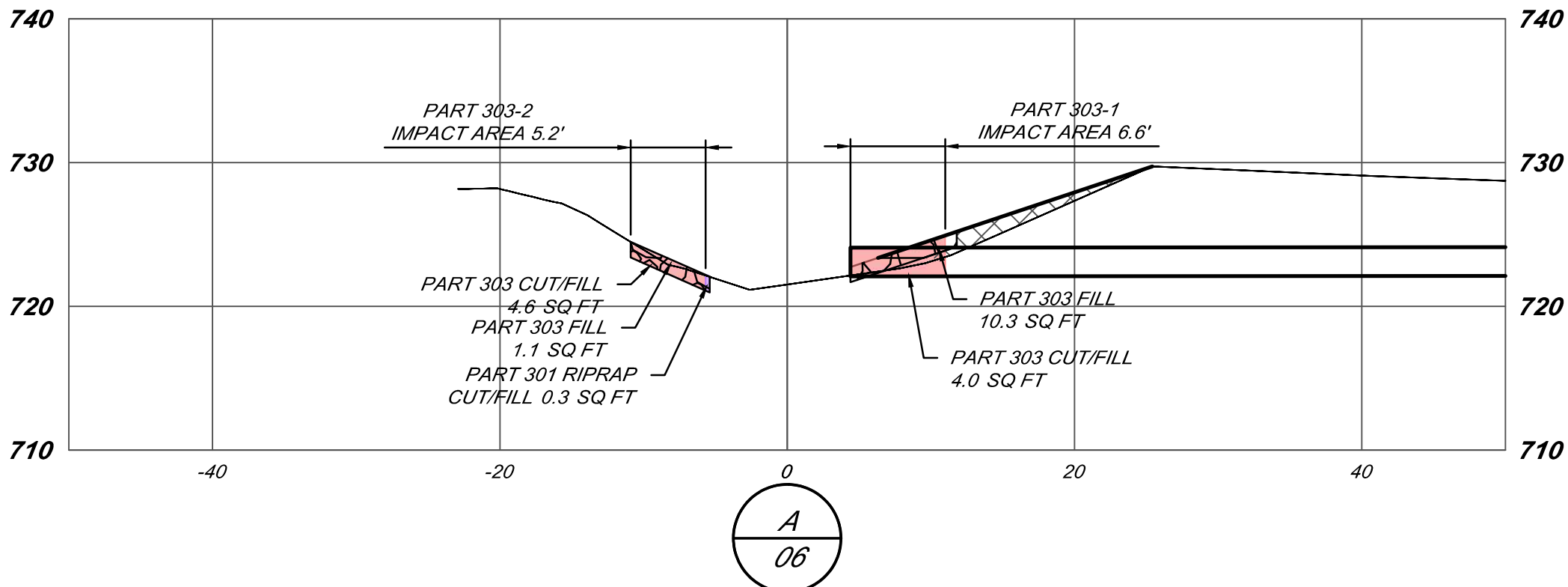


OUTLET PLAN VIEW
SCALE: 1" = 10'

PROPOSED STORM SEWER STRUCTURE TABLE				
STRUCTURE NO.	LOCATION	OFFSET	SIZE/TYPE	EJW FRAME W/ TYPE COVER GRATE
07	22+78	0.0' T	4' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE
08	27+54	0.0' T	4' DIA MH/CB	1/4" X 30" X 30" STEEL PLATE

SHEET 07 EROSION CONTROL TABLE					
KEY*	FROM STATION	TO STATION	SIDE	DESCRIPTION	QTY
	0+00	11+00	BOTH	SEEDING OF ALL DISTURBED AREAS	LUMP SUM
	0+00	11+00	BOTH	MULCH OF ALL DISTURBED AREAS	LUMP SUM
	AS SHOWN	-	-	CATCHBASIN	2 EA
	ALL CATCHBASINS AND DRAIN BASINS	-	-	STORM DRAIN INLET PROTECTION	2 EA

NOTE: COORDINATE INSTALLATION OF EROSION CONTROL STRUCTURES WITH ENGINEER PRIOR TO CONSTRUCTION. LOCATIONS, QUANTITIES, OR TYPES MAY VARY BASED ON FIELD DECISIONS.



CONSTRUCTION NOTES

- STRUCTURE NO. 07 RIM ELEVATION TO BE SET A MINIMUM OF 2.5 FEET BELOW EXISTING GROUND ELEVATION. FILTER FABRIC IS TO BE PLACED OVER COVER PRIOR TO BURYING.
- STRUCTURE NO. 08 RIM ELEVATIONS TO BE SET A MINIMUM OF 2 FEET BELOW EXISTING GROUND ELEVATION. FILTER FABRIC IS TO BE PLACED OVER COVER PRIOR TO BURYING.

BENCHMARKS

BM 201 - SET HUB ON NORTH END OF PROJECT SITE IN NORTHEAST QUADRANT OF DRAIN INTERSECTION AT TOP OF BANK.

NAVD88 ELEV 728.46

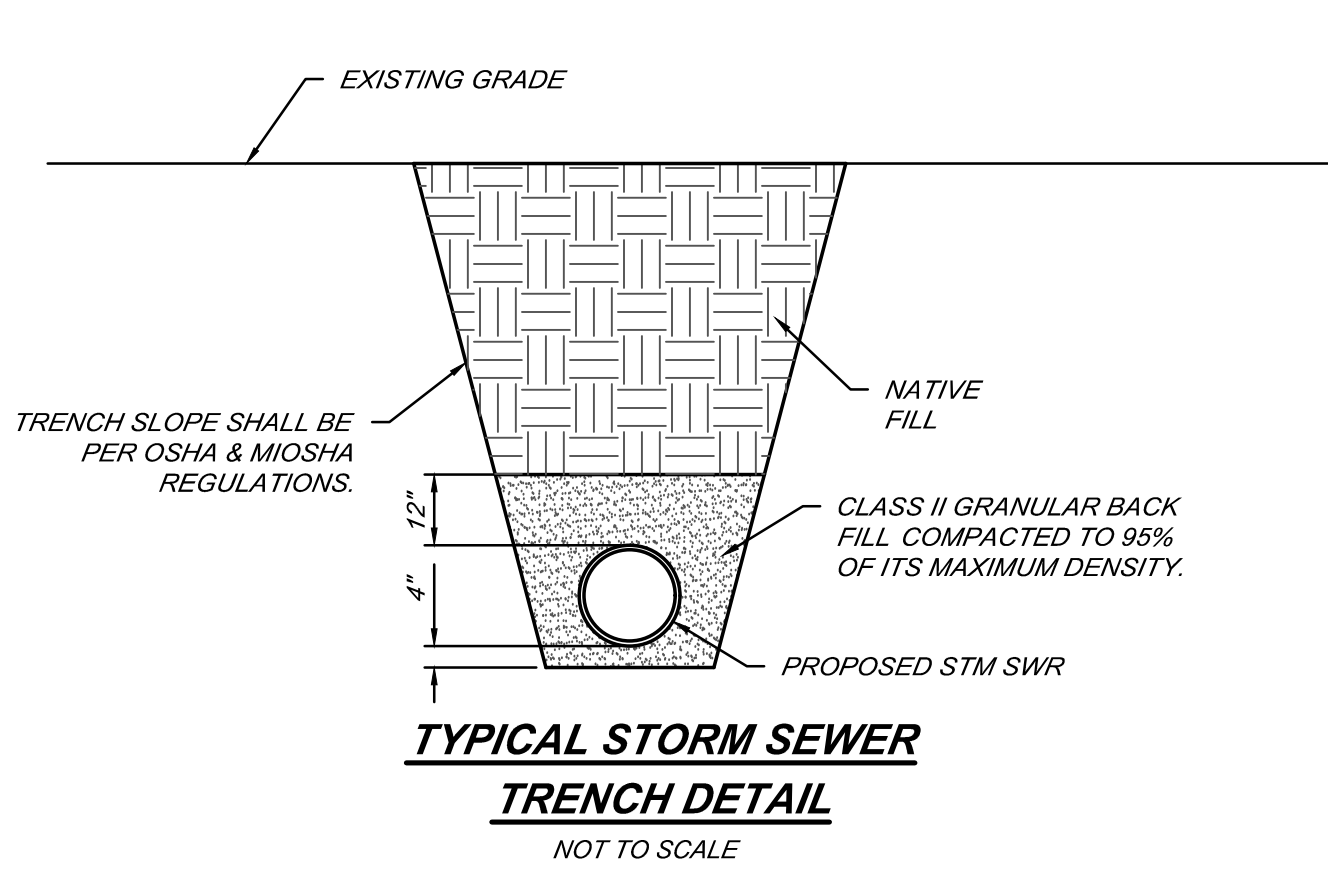
BM 203 - SET GEAR SPIKE IN WEST FACE OF FIRST POWER POLE SOUTH OF DRAIN INTERSECTION ON NORTH END OF PROJECT.

NAVD88 ELEV 728.87

RIGHT OF WAY

GAGETOWN DRAIN - DRAIN RIGHT-OF-WAY IS 50 WIDE 25 FEET ON EACH SIDE OF CENTERLINE OF DRAIN.

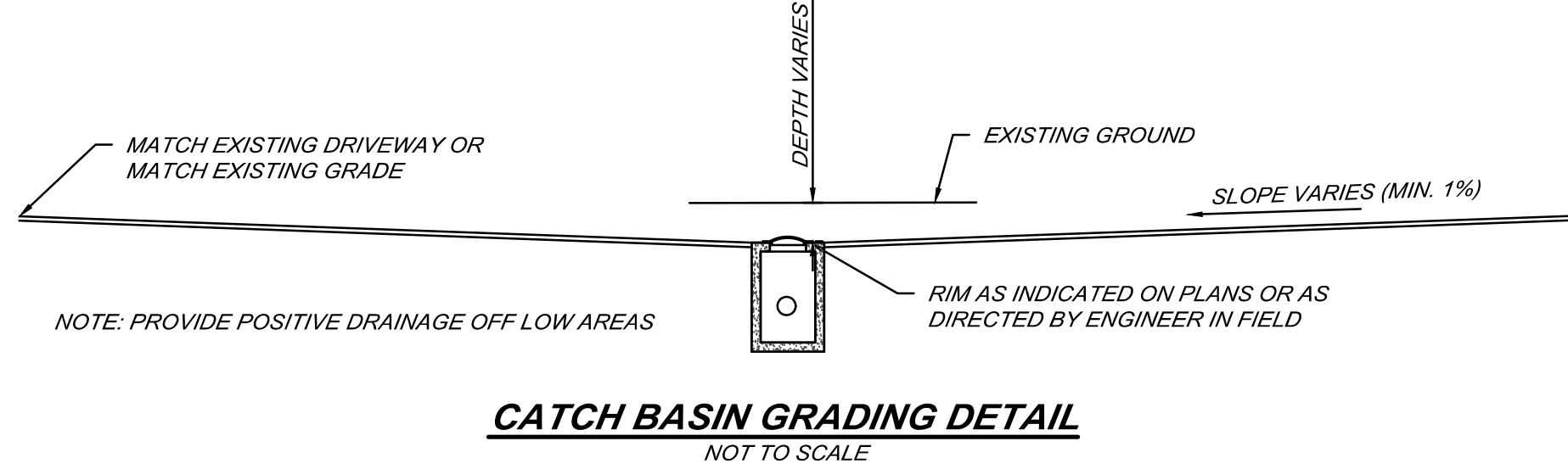
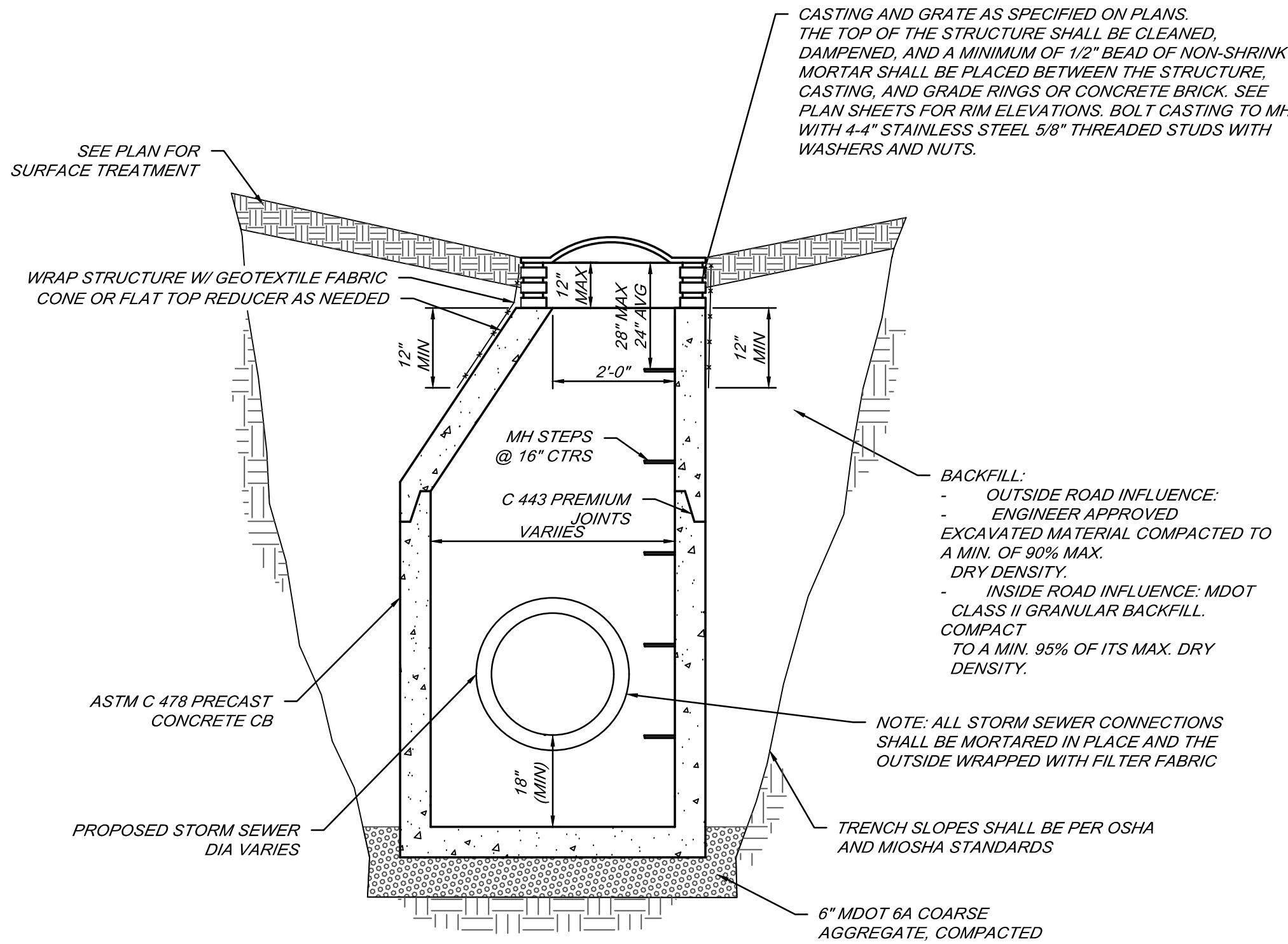
BY	MARK	REVISIONS	DATE
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.			
GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN			
PLAN AND PROFILE STORM SEWER STA 21+00 TO STA 31+00			
DE. BY: SCT		CH. BY: MDN	PROJECT NO.
DR. BY: SCT		APP. BY: M/J	135125SG2023
STDS. N/A		SHEET 06 OF 07	DR 06
DATE AUGUST, 2026		FILE NO.	
SCALE H: 1" = 40' V: 1" = 4'		DR-4869-06	



TRENCH WIDTH CHART

PIPE SIZE	MINIMUM	MAXIMUM
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"
LARGER THAN 36"	I.D. +20"	I.D. +24"

NOTE:
CONTRACTOR SHALL USE APPROPRIATE MEASURES, APPROVED BY THE ENGINEER, TO PROVIDE A SEALED CONNECTION.



PART 301 PROPOSED IMPACTS BELOW OHWM										
IMPACT AREA	SHEET	IMPACT WATER BODY	MATERIAL TYPE	CUT AREA			FILL AREA			NET FILL
				(QUANTITY) LENGTH (FT) X WIDTH (FT) X DEPTH (FT)	CUBIC FEET (FT³)	CUBIC YARDS (YD³)	(QUANTITY) LENGTH (FT) X WIDTH (FT) X DEPTH (FT)	CUBIC FEET (FT³)	CUBIC YARDS (YD³)	
1	6	SHEBEON INTERCOUNTY DRAIN	RIPRAP	4.25 X 0.5 X 1	2.13	0.08	4.25 X 0.5 X 1	2.13	0.08	0.00
2	6	SHEBEON INTERCOUNTY DRAIN	RIPRAP	17.5 X 0.5 X 1	8.75	0.32	17.5 X 0.5 X 1	8.75	0.32	0.00
TOTAL PERMANENT IMPACT				TOTAL CUT	10.88	0.40	TOTAL FILL	10.88	0.40	0.00

NOTES:
1. THE LENGTH, WIDTH AND DEPTH ARE TAKEN AS AVERAGES
TOTAL PERMANENT STREAM FILL IMPACT: 10.88 CU. FT / 0.40 CU YD

PART 303 PROPOSED IMPACTS TO WETLANDS											
IMPACT AREA	SHEET	WETLAND ID	WETLAND TYPE	CUT			FILL			NET FILL	IMPACT AREA
				(QUANTITY) LENGTH (FT) X WIDTH (FT) X DEPTH (FT)	CUBIC FEET (FT³)	CUBIC YARDS (YD³)	(QUANTITY) LENGTH (FT) X WIDTH (FT) X DEPTH (FT)	CUBIC FEET (FT³)	CUBIC YARDS (YD³)		
1	6	1	EMERGENT	12 X 6.6 X 0.61	48	1.76	12 X 6.6 X 2.16	171	6.34	4.58	0.002
2	6	2	EMERGENT	17 X 5.2 X 0.88	78	2.88	17 X 5.2 X 1.1	97	3.60	0.72	0.002
TOTAL PERMANENT IMPACT				TOTAL CUT	126	4.64	TOTAL FILL	268	9.94	5.30	0.004

NOTES:
1. WETLAND ID IS FROM THE WETLAND DELINEATION REPORT
2. THE LENGTH, WIDTH AND DEPTH ARE TAKEN AS AVERAGES
TOTAL PERMANENT PEM IMPACT: 0.004 AC (167.6 SQ FT)
NOTE: IMPACT ACREAGE AREA IS MEASURED FROM PLAN AREA

REVISIONS			
BY	MARK	REVISIONS	DATE
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GAGETOWN DRAIN TUSCOLA COUNTY, MICHIGAN			
STANDARD DETAILS			
 SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax. 989-754-4440 www.SpicerGroup.com			
DE. BY: SCT	CH. BY: MDW	PROJECT NO.	
DR. BY: SCT	APP. BY: MLJ	135125SG2023	
STDS. N/A	SHEET 07 OF 07	DR	
DATE AUGUST, 2026	FILE NO.	07	
SCALE AS SHOWN	DR-4869-07		