

CITY OF MUSKEGO

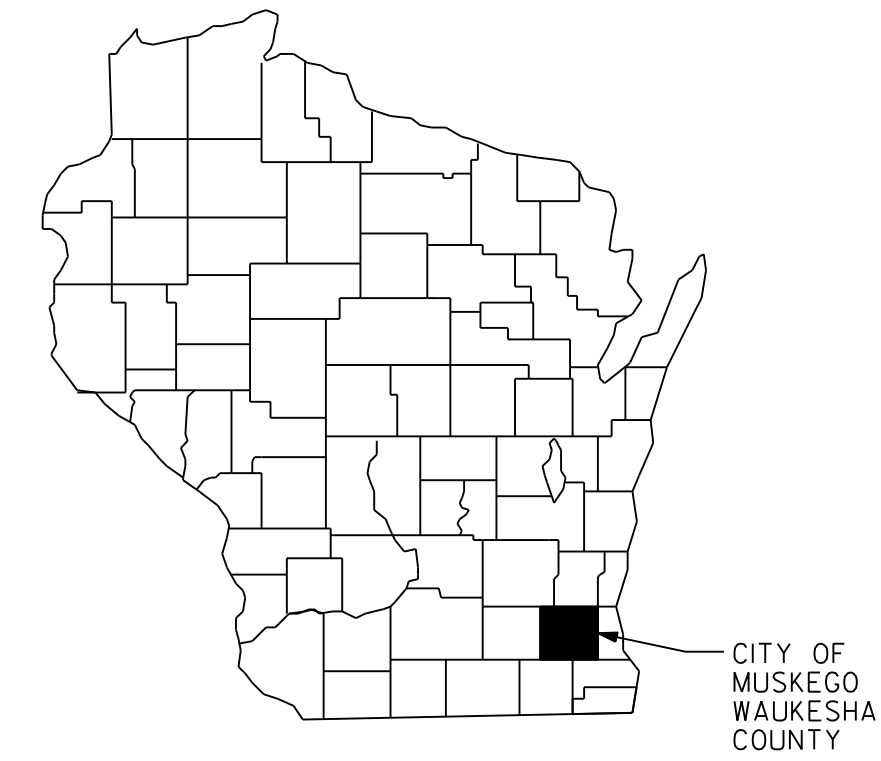
CORNELL DRIVE

STORM SEWER CONSTRUCTION



One Honey Creek Corporate Center
 125 South 84th Street,
 Suite 401
 Milwaukee, WI 53214-1470
 414 / 259 1500
 414 / 259 0037 fax

www.graef-usa.com



CONSULTANTS:

PROJECT TITLE:

CORNELL DRIVE
 STORM SEWER CONSTRUCTION
 MUSKEGO, WISCONSIN

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 20110031.01
 DATE: 9/8/11
 DRAWN BY: SRK
 CHECKED BY: RWK
 APPROVED BY: MNP
 SCALE: 1"=200'

SHEET TITLE:

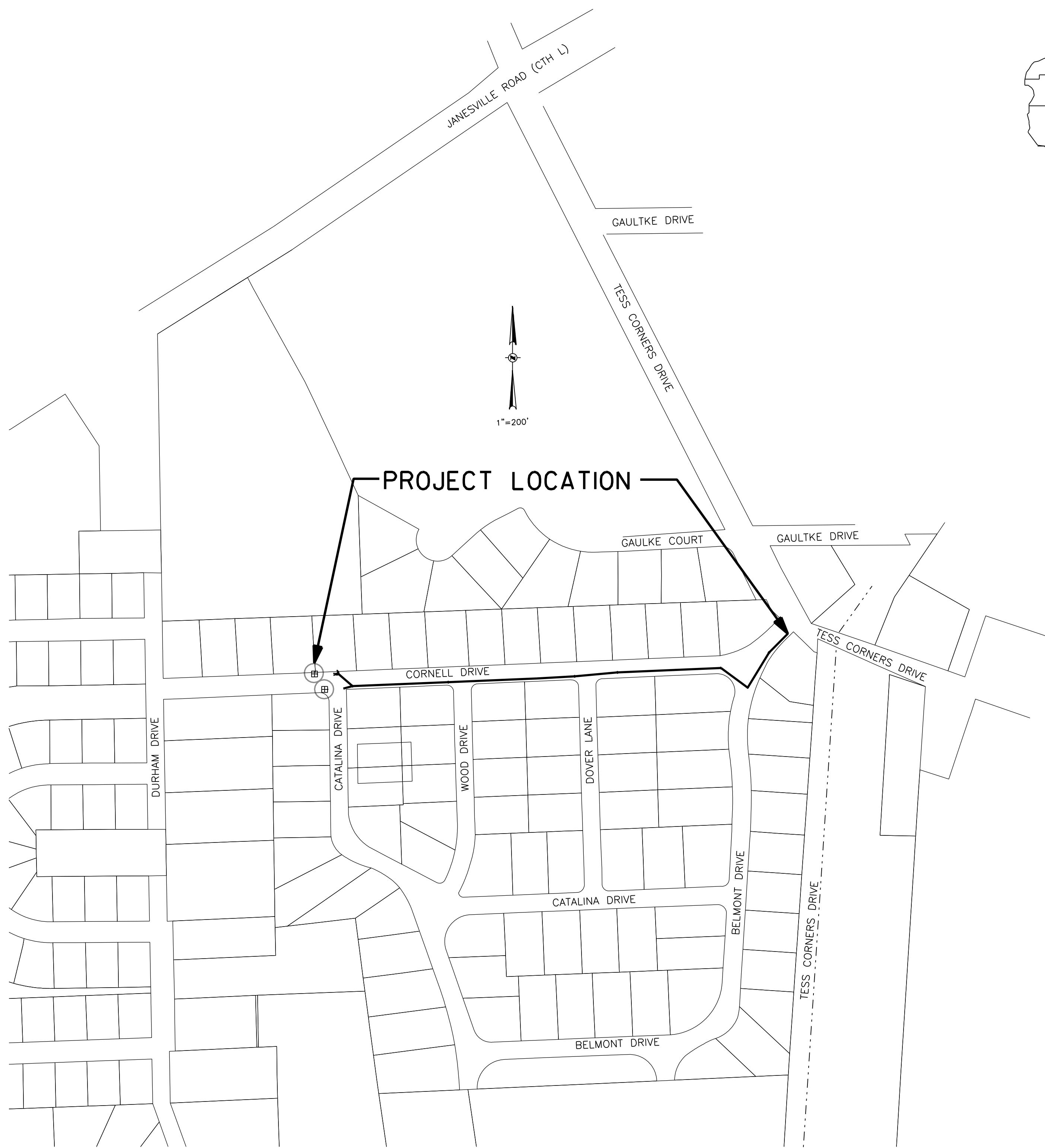
COVER SHEET

SHEET NUMBER:

C000

INDEX OF SHEETS

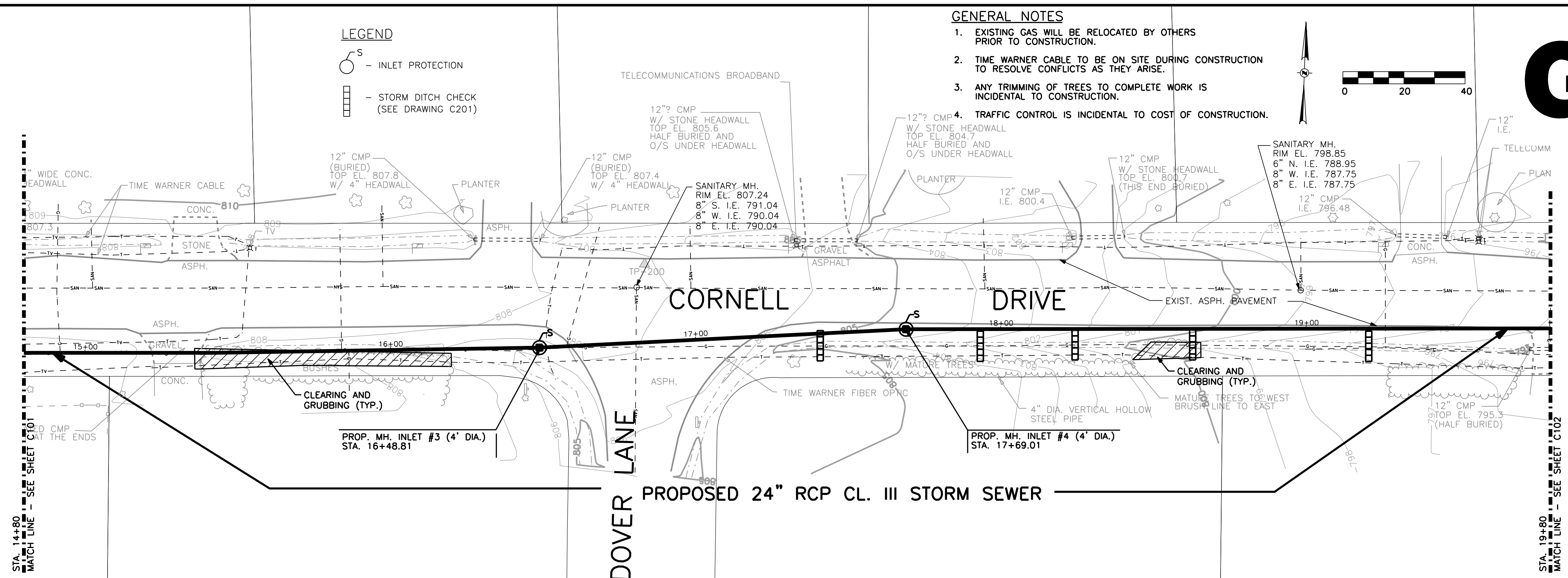
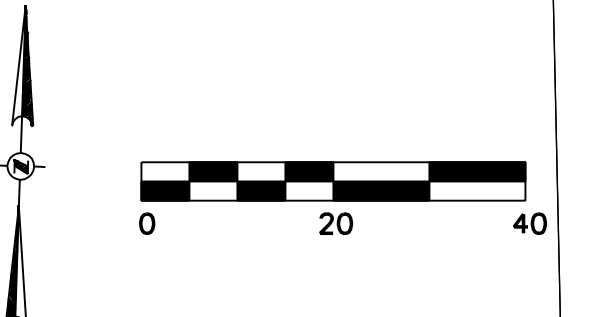
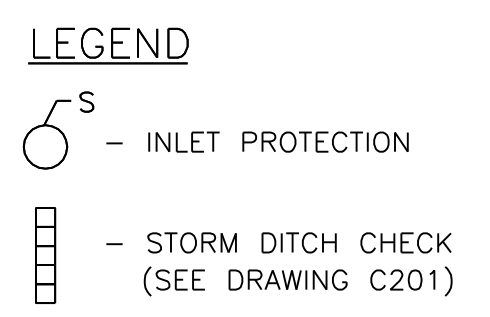
Sheet No.	C000	COVER SHEET
Sheet No.	C101-C102	STORM SEWER PLAN AND PROFILE
Sheet No.	C103	CORNELL DRIVE EXISTING INLET GRATE MODIFICATIONS
Sheet No.	C200	CONSTRUCTION DETAILS
Sheet No.	C201	CONSTRUCTION DETAILS AND EROSION CONTROL DETAILS



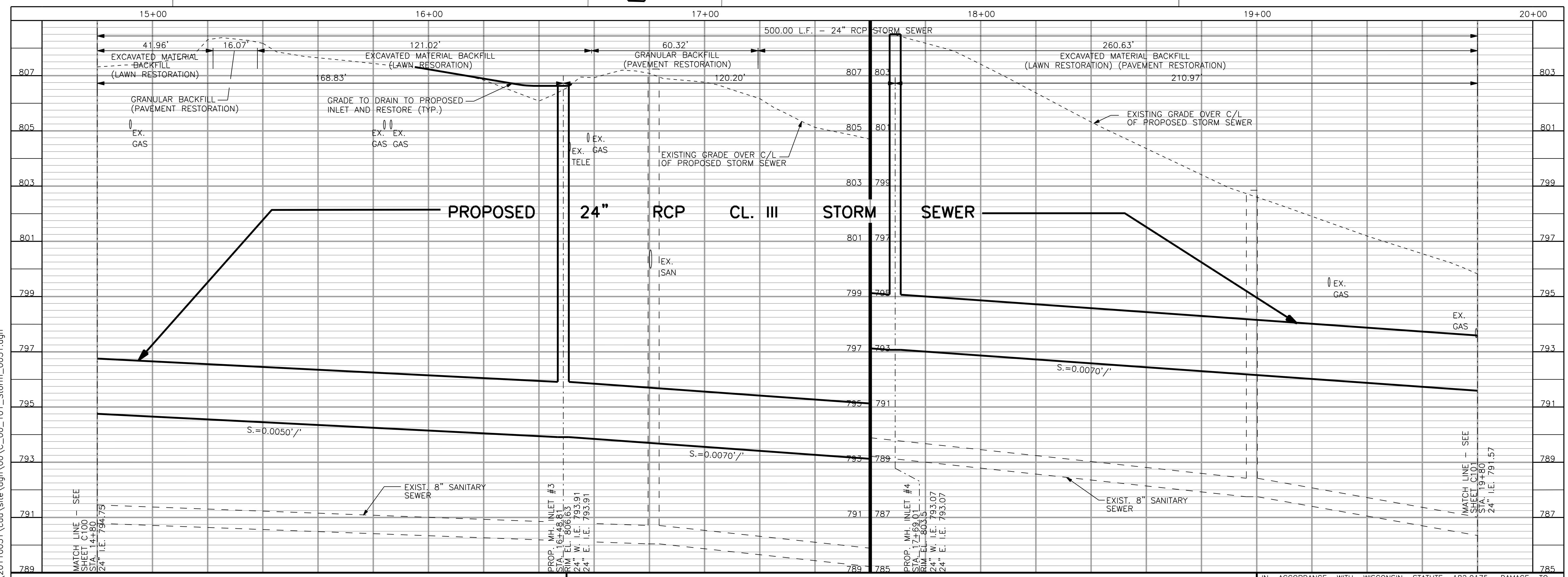
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- GENERAL NOTES**
- EXISTING GAS WILL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
 - TIME WARNER CABLE TO BE ON SITE DURING CONSTRUCTION TO RESOLVE CONFLICTS AS THEY ARISE.
 - ANY TRIMMING OF TREES TO COMPLETE WORK IS INCIDENTAL TO CONSTRUCTION.
 - TRAFFIC CONTROL IS INCIDENTAL TO COST OF CONSTRUCTION.



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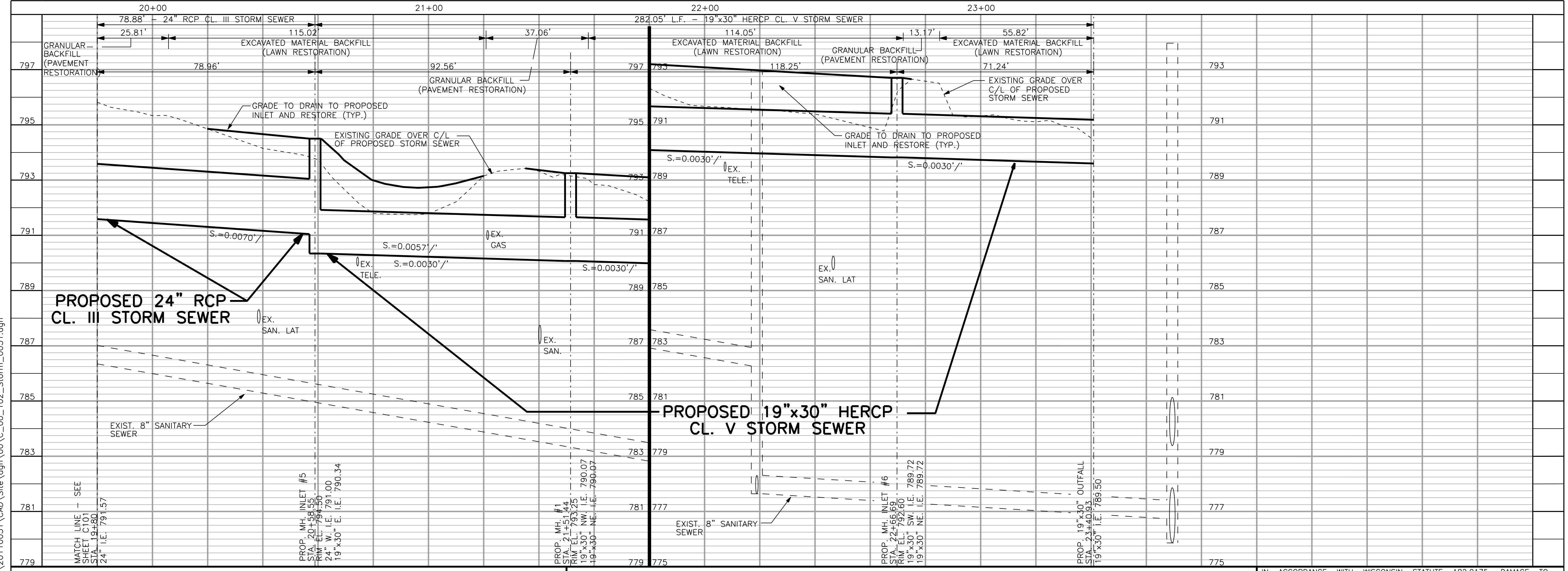
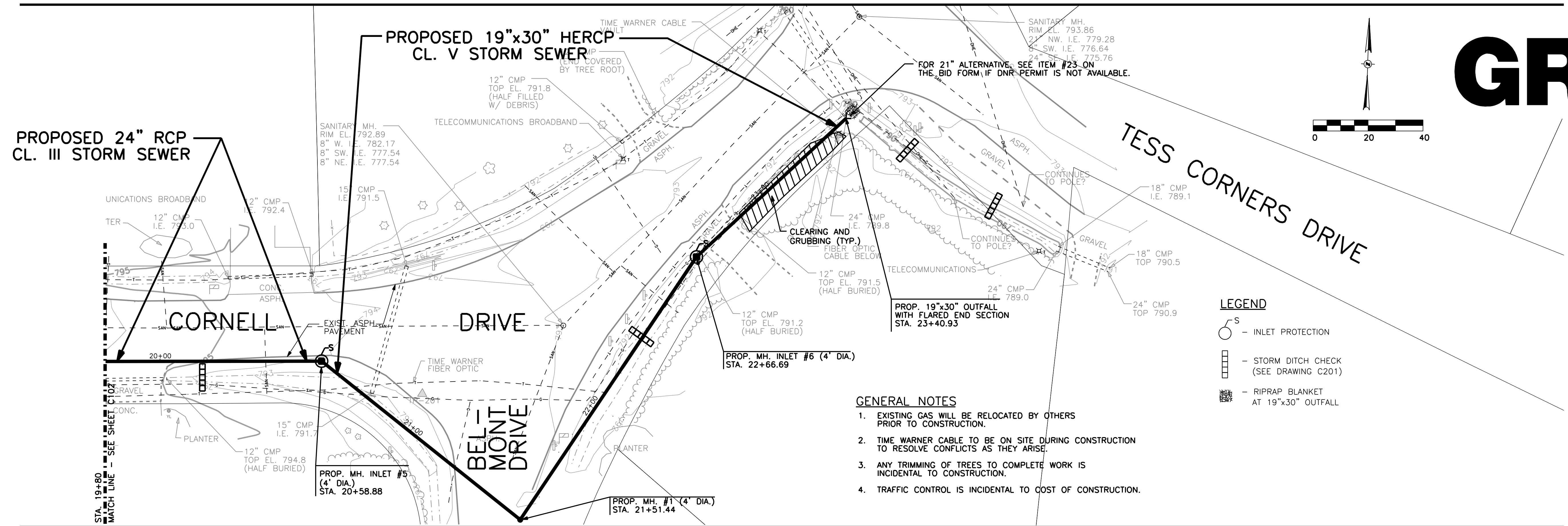
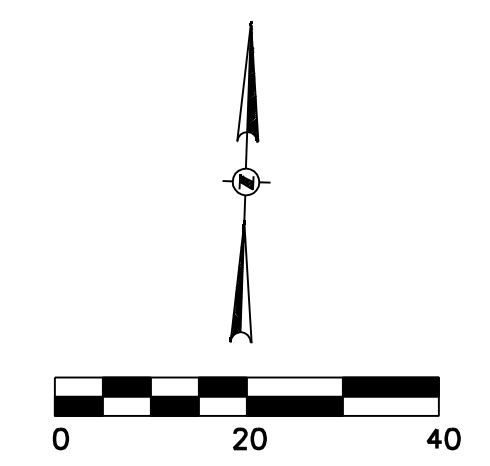
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 SCALE: 1"=20'

SHEET TITLE:
STORM SEWER PLAN AND PROFILE
SHEET NUMBER:

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THIS DRAWING, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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CORNELL DRIVE STORM SEWER CONSTRUCTION MUSKEGO, WISCONSIN

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STORM SEWER PLAN AND PROFILE

SHEET NUMBER:

9/8/2011 8:47:36 AM L:\Jobs\2011\20110031\CAD\Site\dgn\00\C_00_102_Storm_0031.dgn

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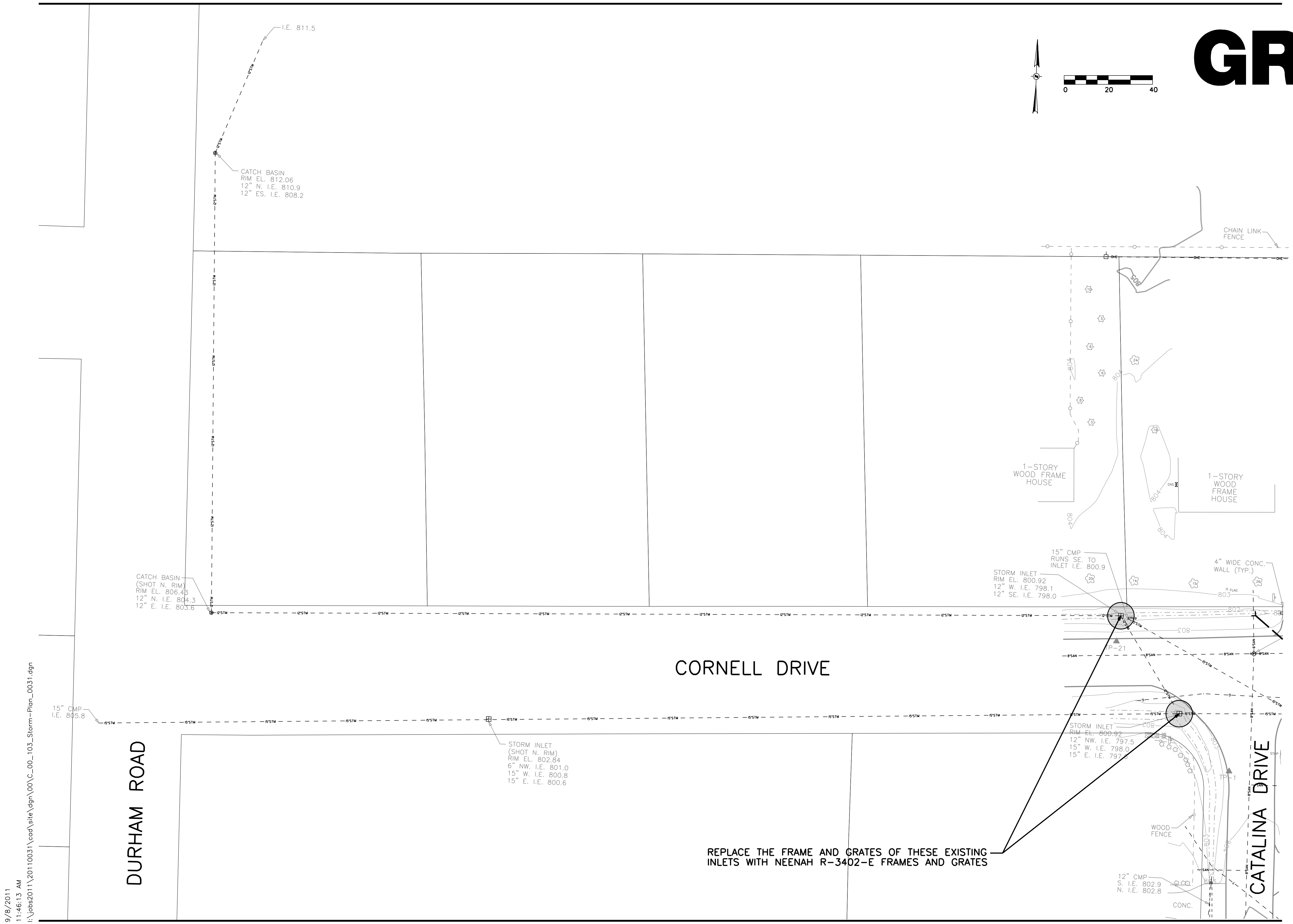
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SHEET TITLE:

CORNELL DRIVE EXISTING INLET
 GRATE MODIFICATIONS

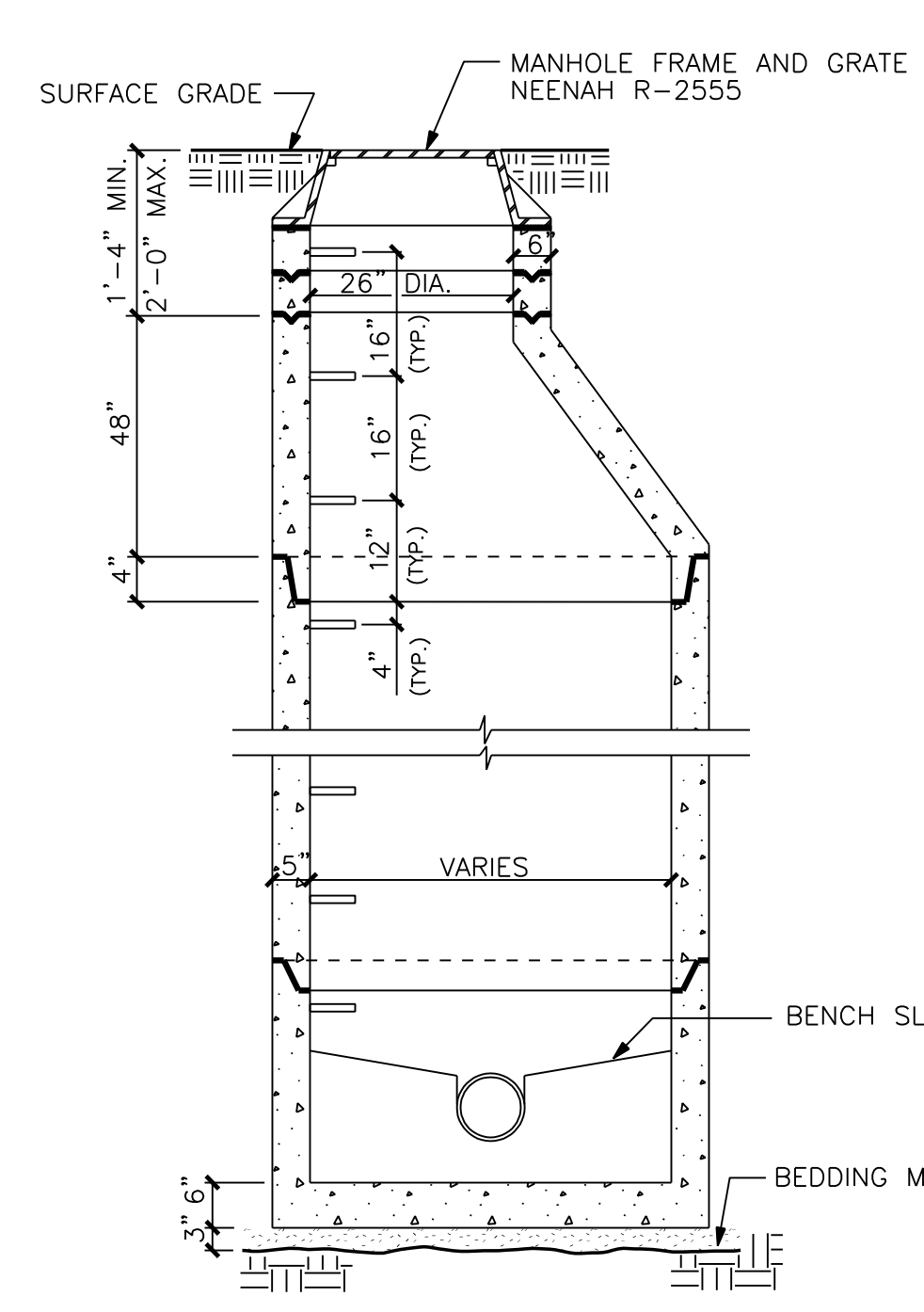
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C103

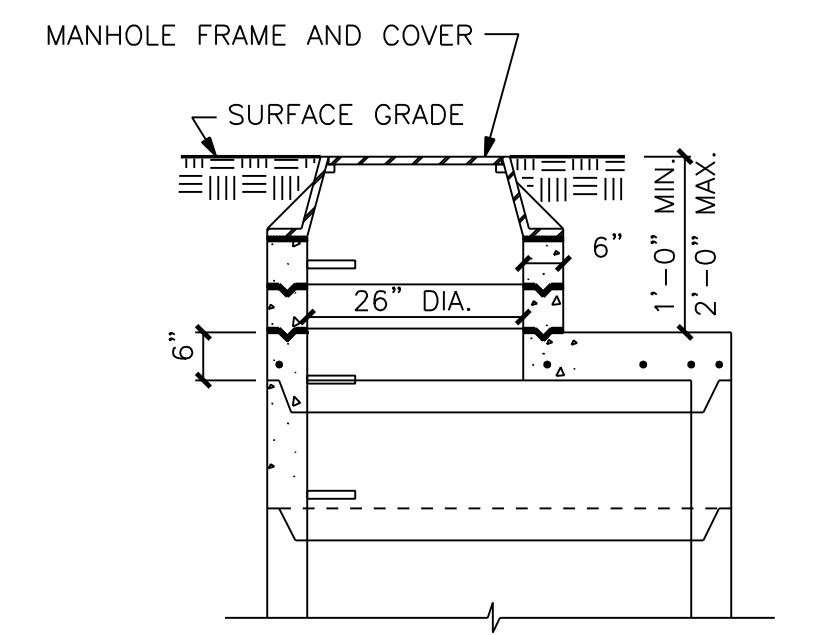


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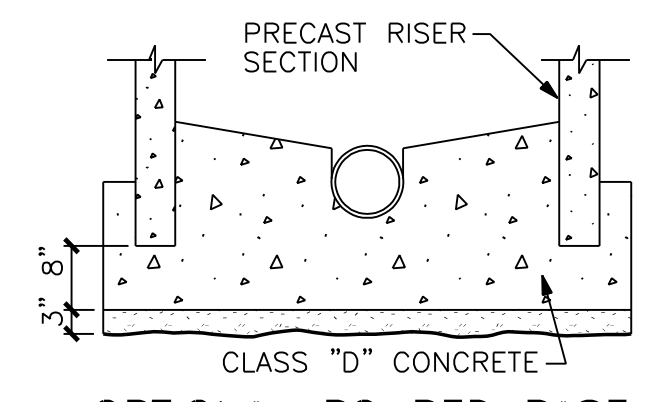
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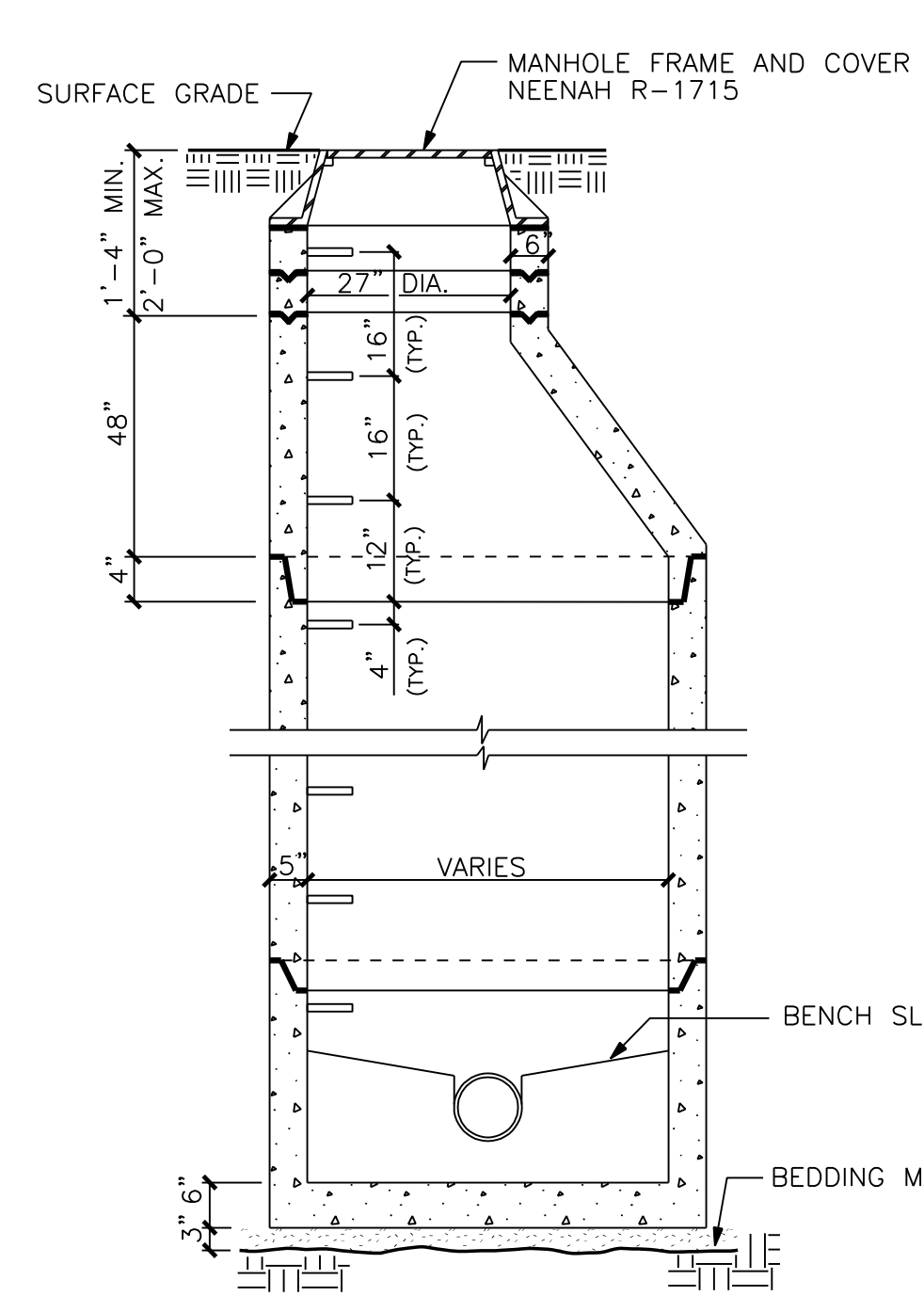
1 PRECAST MANHOLE/INLET
 N.T.S.



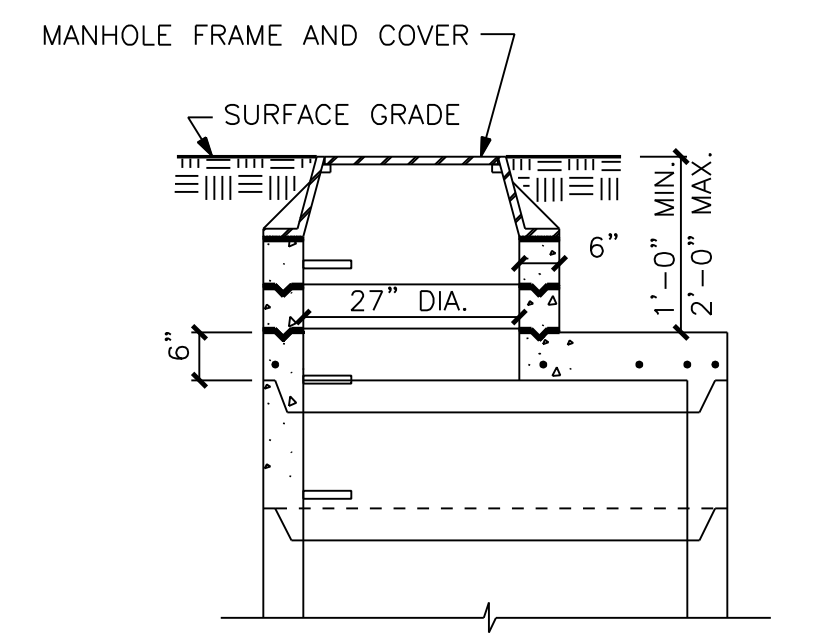
OPTIONAL FLAT-TOP SECTION



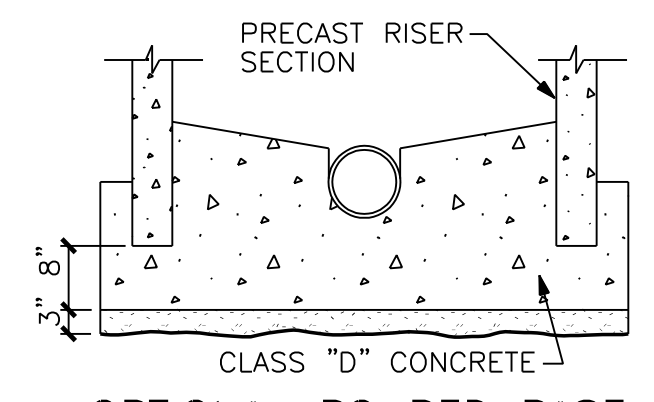
OPTIONAL POURED BASE



3 PRECAST STORM MANHOLE
 N.T.S.

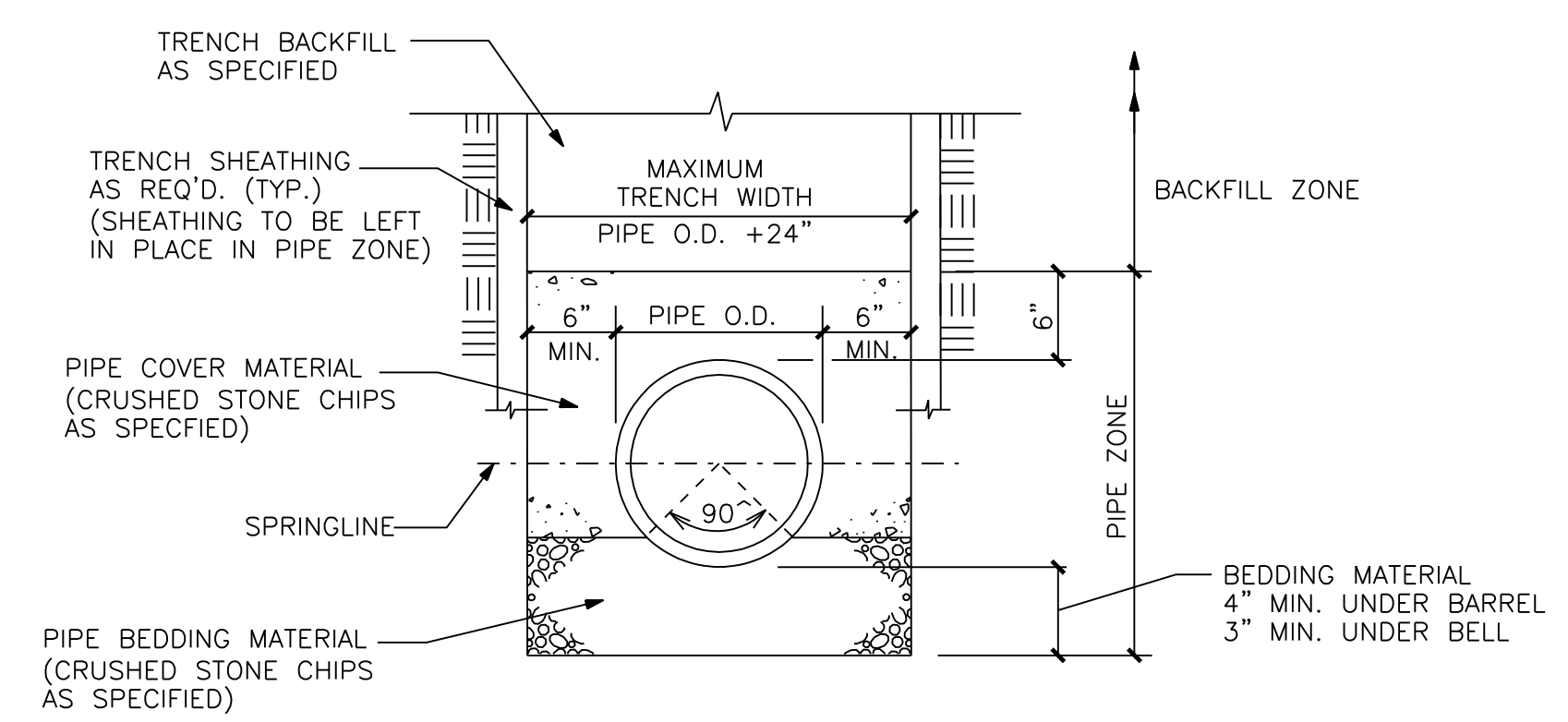


OPTIONAL FLAT-TOP SECTION



OPTIONAL POURED BASE

GENERAL NOTES
 FLAT TOP SLAB MAY BE USED FOR 5'-0" DIA. OR LARGER MANHOLES.
 PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
 CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
 JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
 AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ. INCH PER LINEAL FOOT.
 3" BEDDING MATERIAL REQUIRED UNDER BASE. MANHOLES TO BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL.



2 BEDDING DETAIL FOR STORM SEWER
 N.T.S.

NOTE: 3" OF ADDITIONAL CRUSHED STONE REQUIRED IN WET TRENCH AT NO ADDITIONAL COST.

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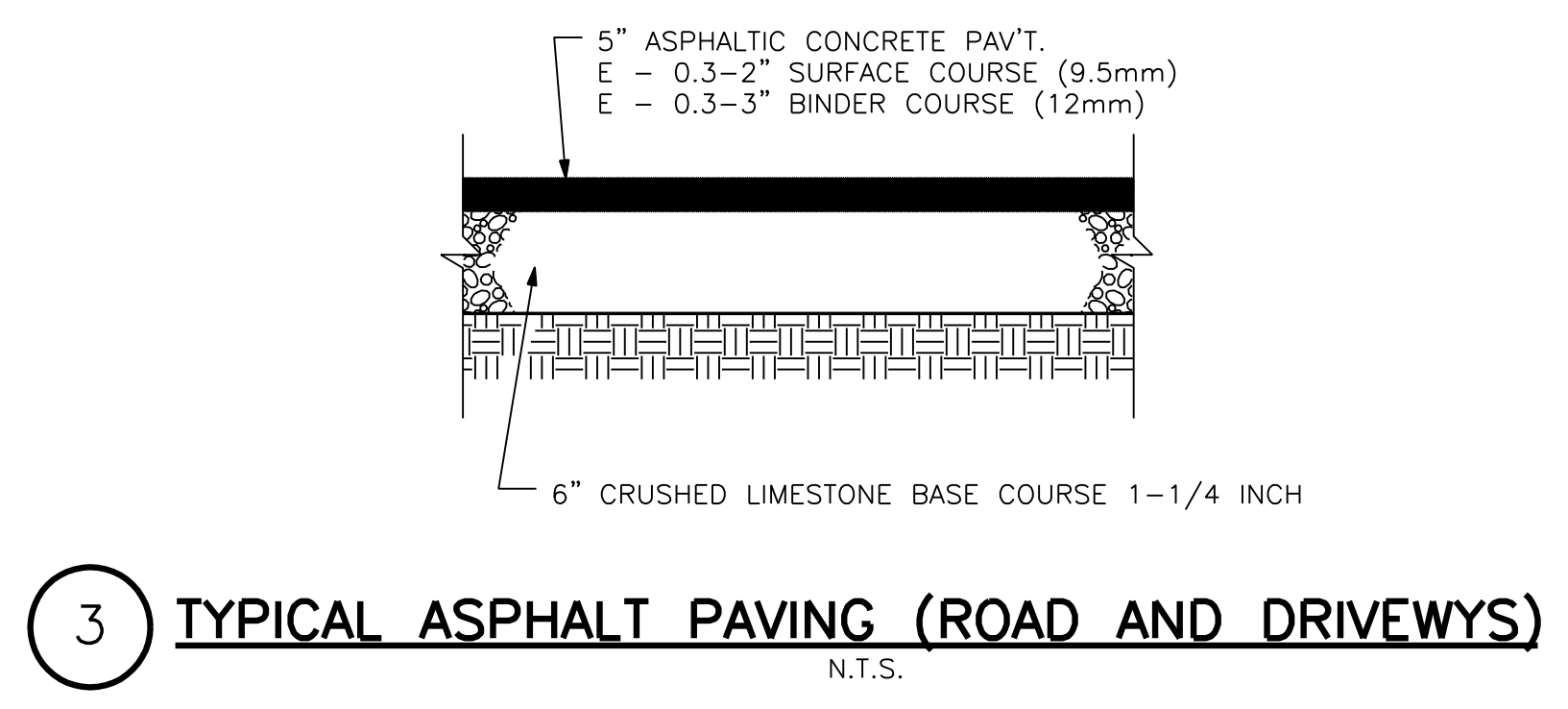
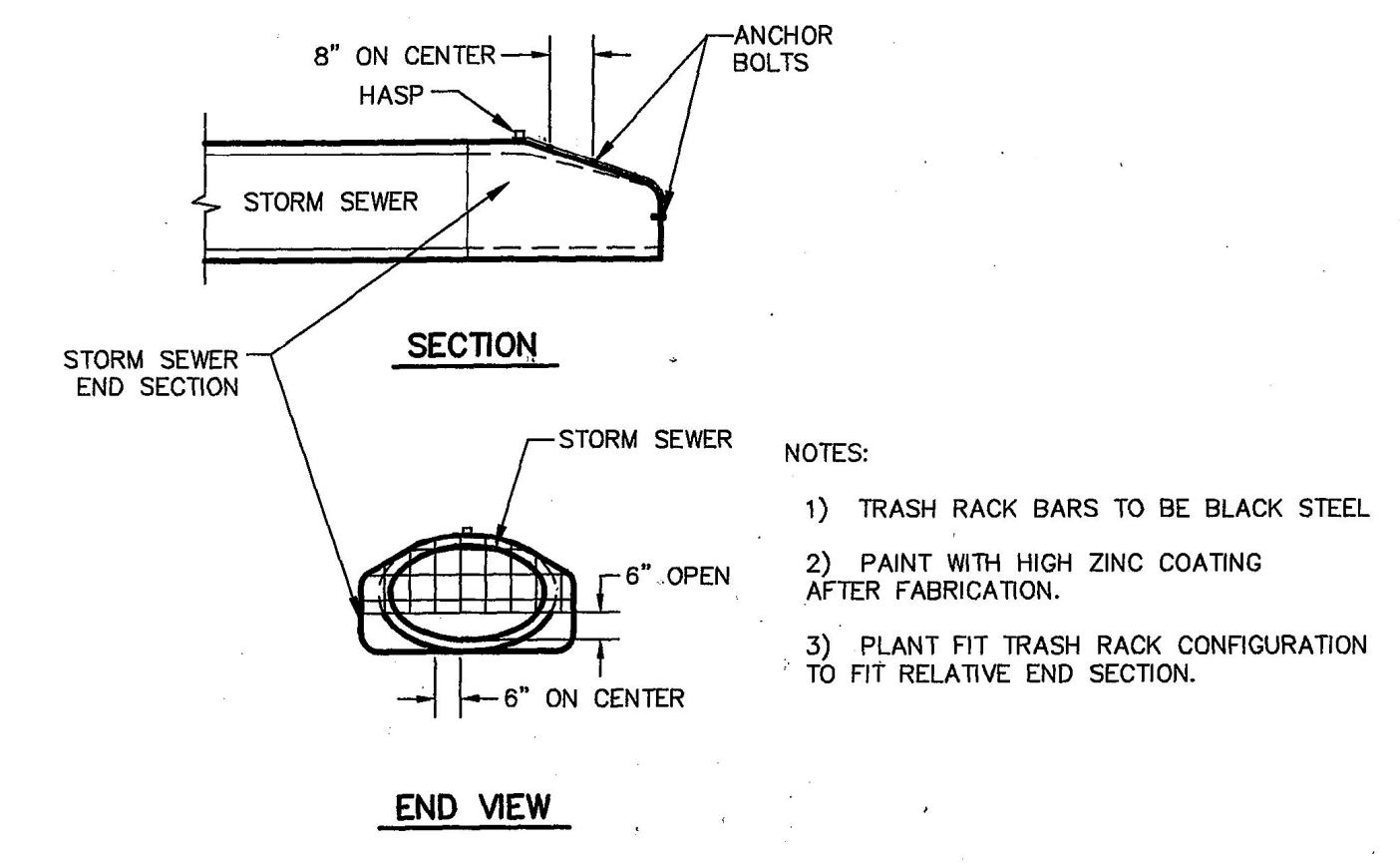
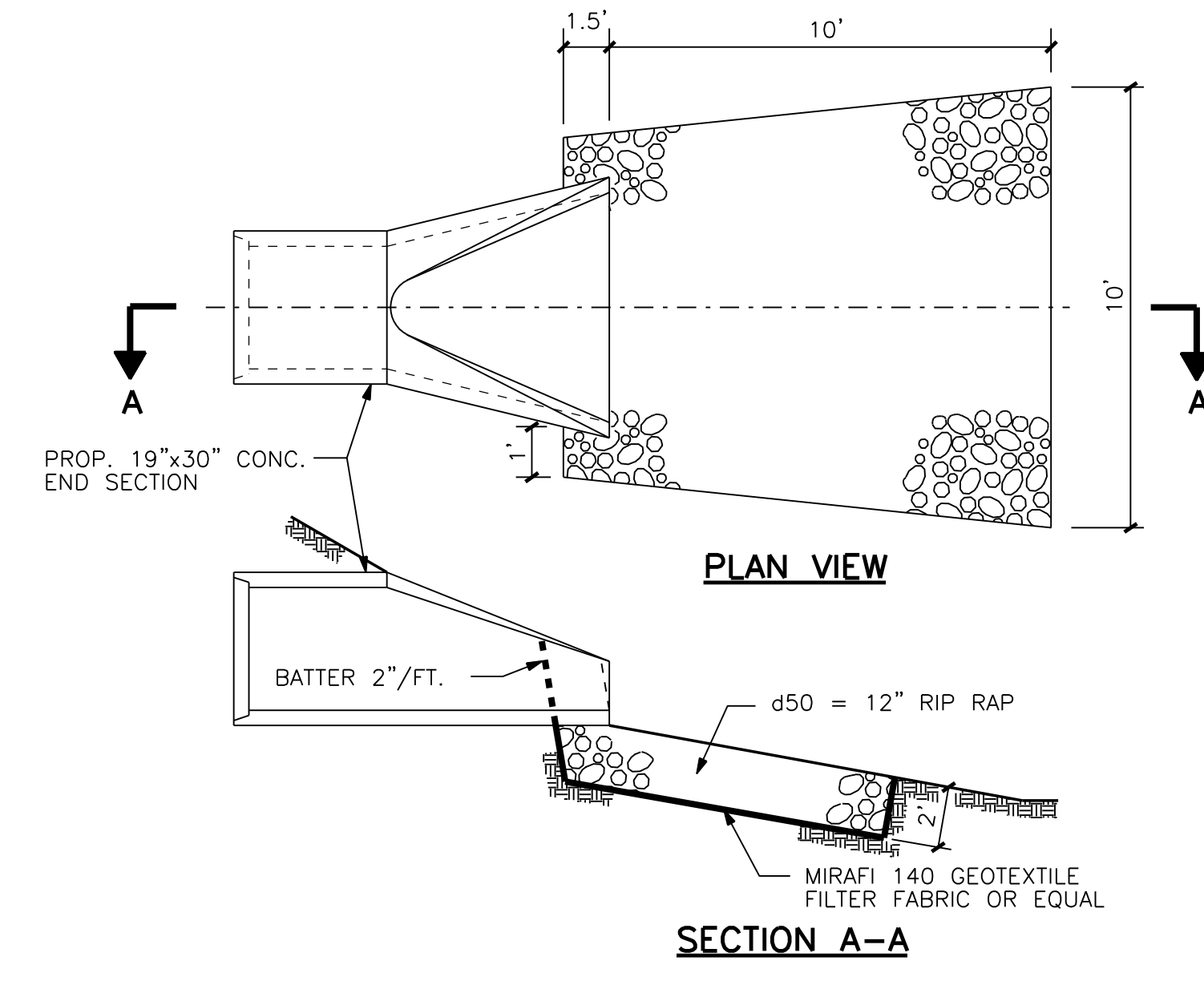
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CONSTRUCTION DETAILS

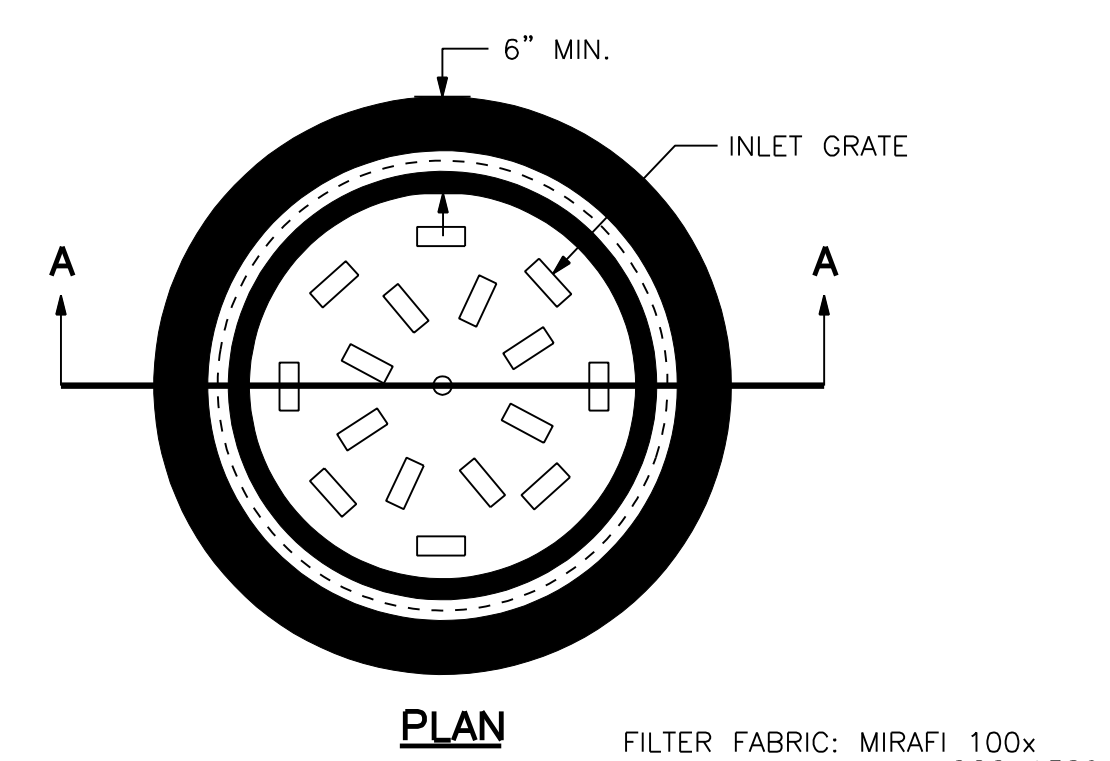
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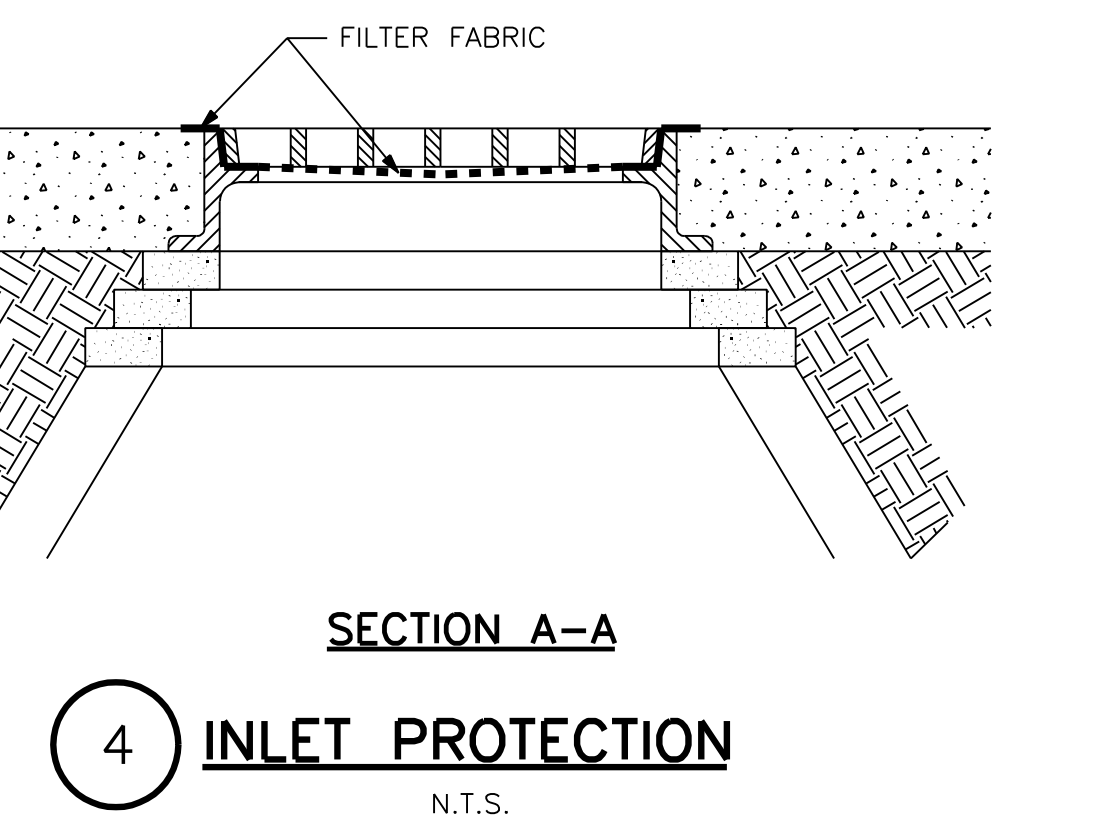
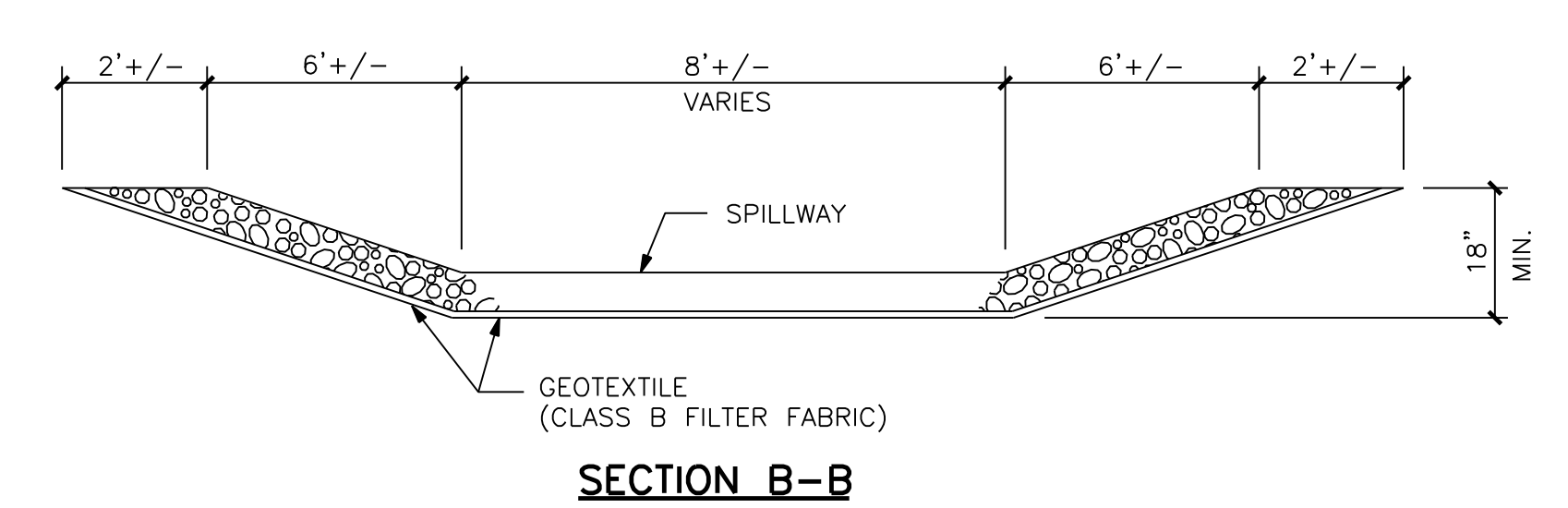
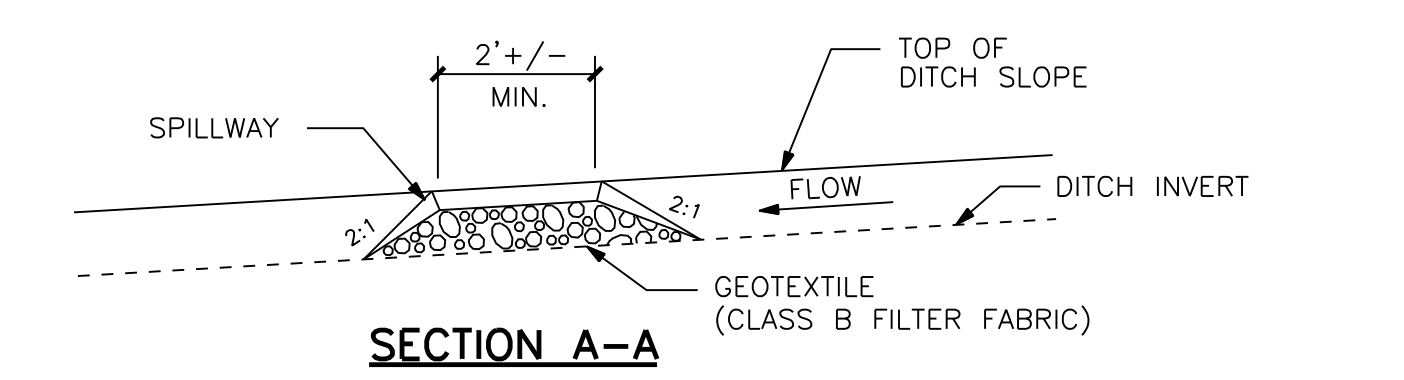
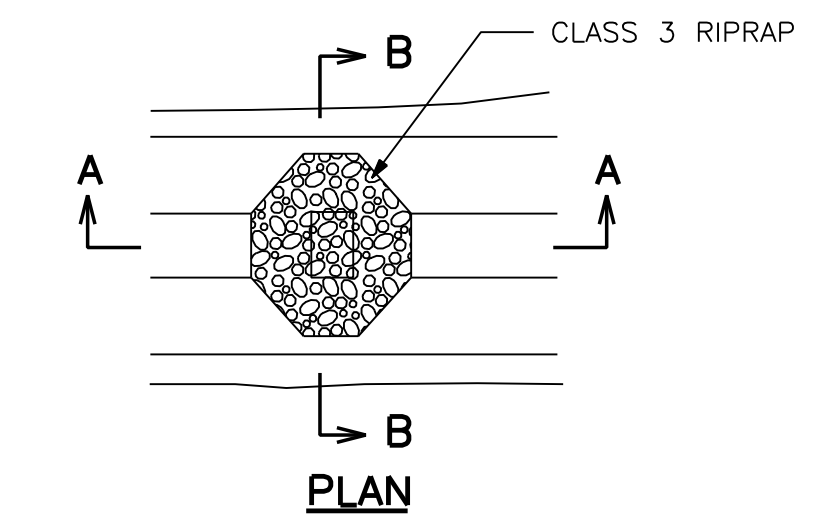
1 PROPOSED RIP RAP @ 19"x30" STORM SEWER OUTFALL
N.T.S.

2 END SECTION DETAIL
NO SCALE
STO-GRATE-04 98

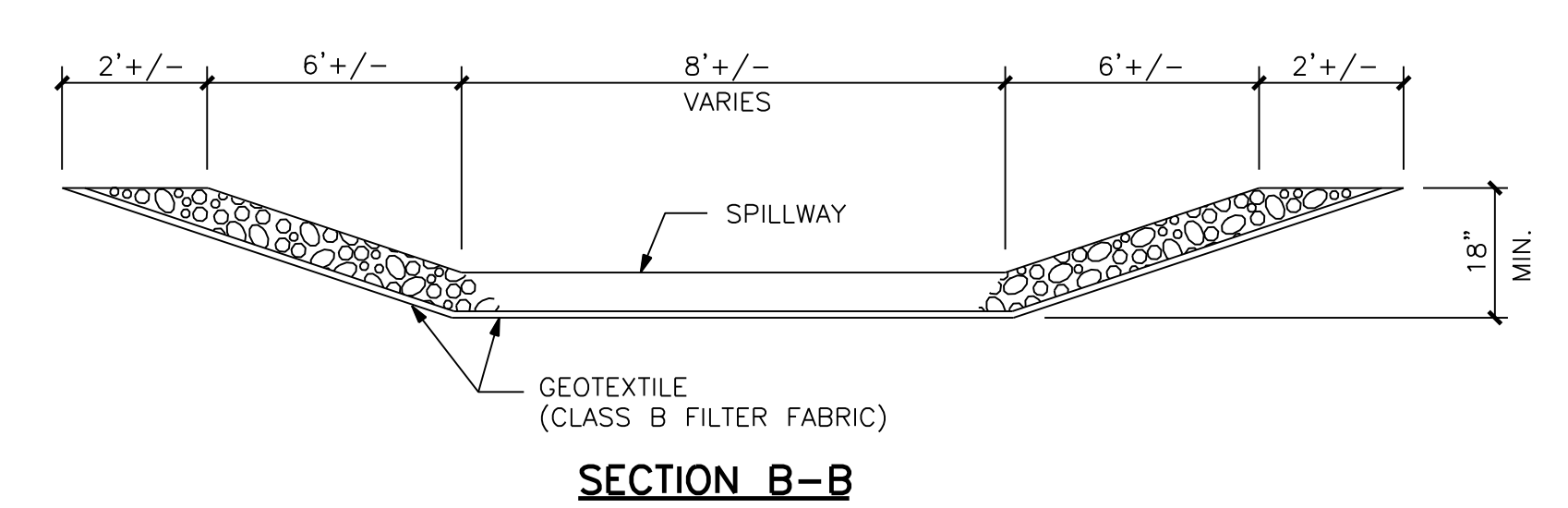
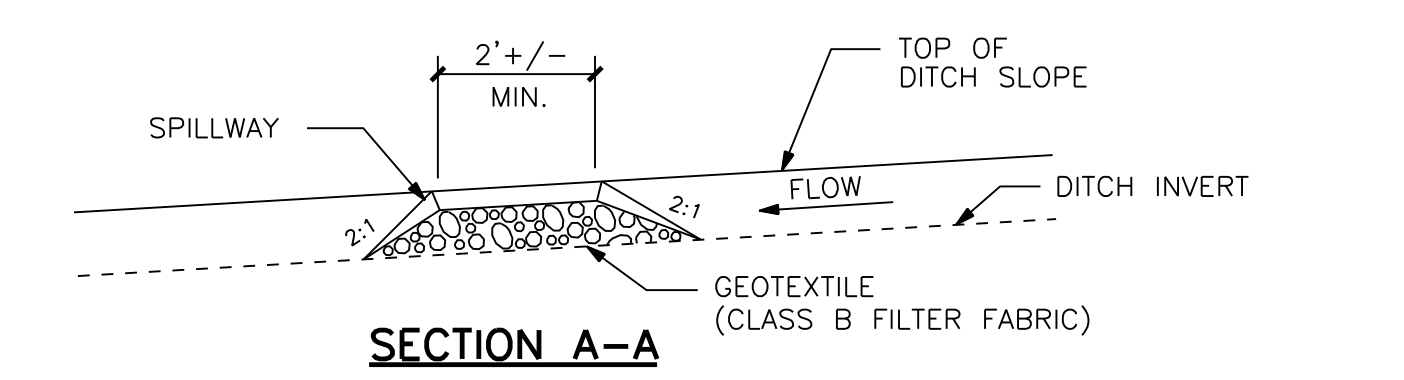
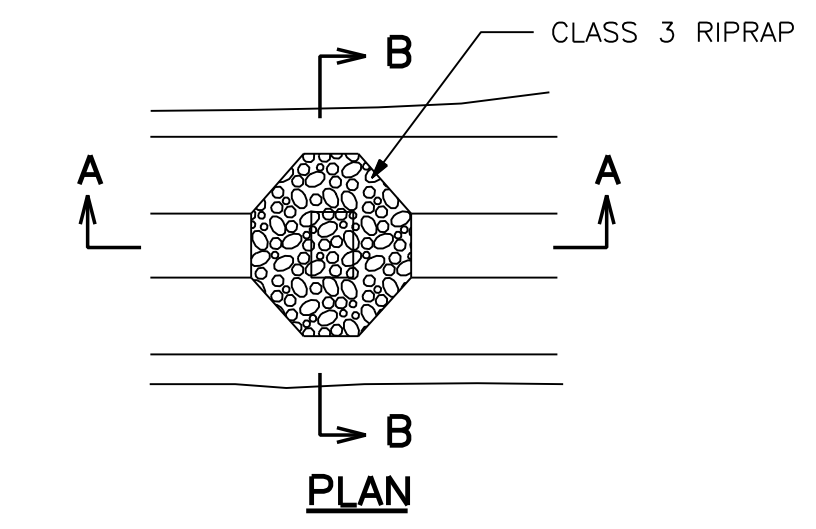
3 TYPICAL ASPHALT PAVING (ROAD AND DRIVEWAYS)
N.T.S.



- 5 EROSION CONTROL GENERAL NOTES**
- A. CONSTRUCTION SITE AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF MUSKEGO, AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE DEPARTMENT OF NATURAL RESOURCES WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES HANDBOOK (BMP HANDBOOK)
 - B. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE.
 - C. PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT LEAVING PROPERTY. EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKDAY.
 - D. (M) -INLET PROTECTION SHALL BE INSTALLED WITHIN INLETS. AS SHOWN, TO TRAP SEDIMENT. INLET PROTECTION SHALL BE TYPE M INLET BASKET AS SHOWN IN THE BMP HANDBOOK.
 - 5. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.



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4 INLET PROTECTION
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