

DEJA'S DOGGIE DAYCARE

CONSTRUCTION PLANS FOR SITE GRADING, STORM SEWER, CONCRETE CURB AND GUTTER, BITUMINOUS PAVING AND MISCELLANEOUS CONSTRUCTION FOR ROMAN ROOS IN THE CITY OF OAK GROVE

GOVERNING SPECIFICATIONS

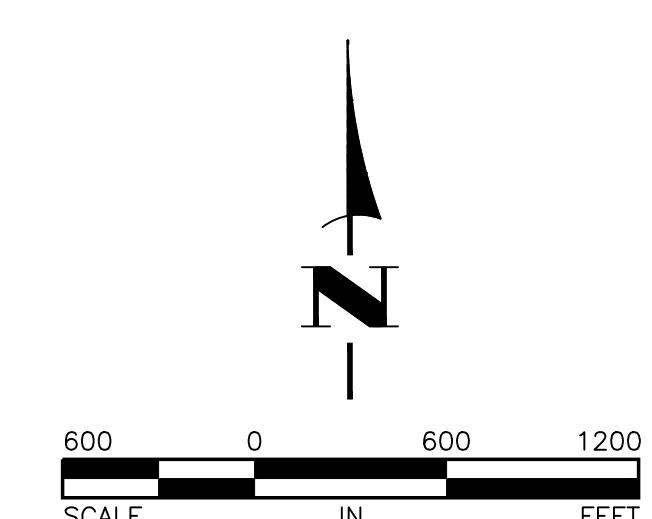
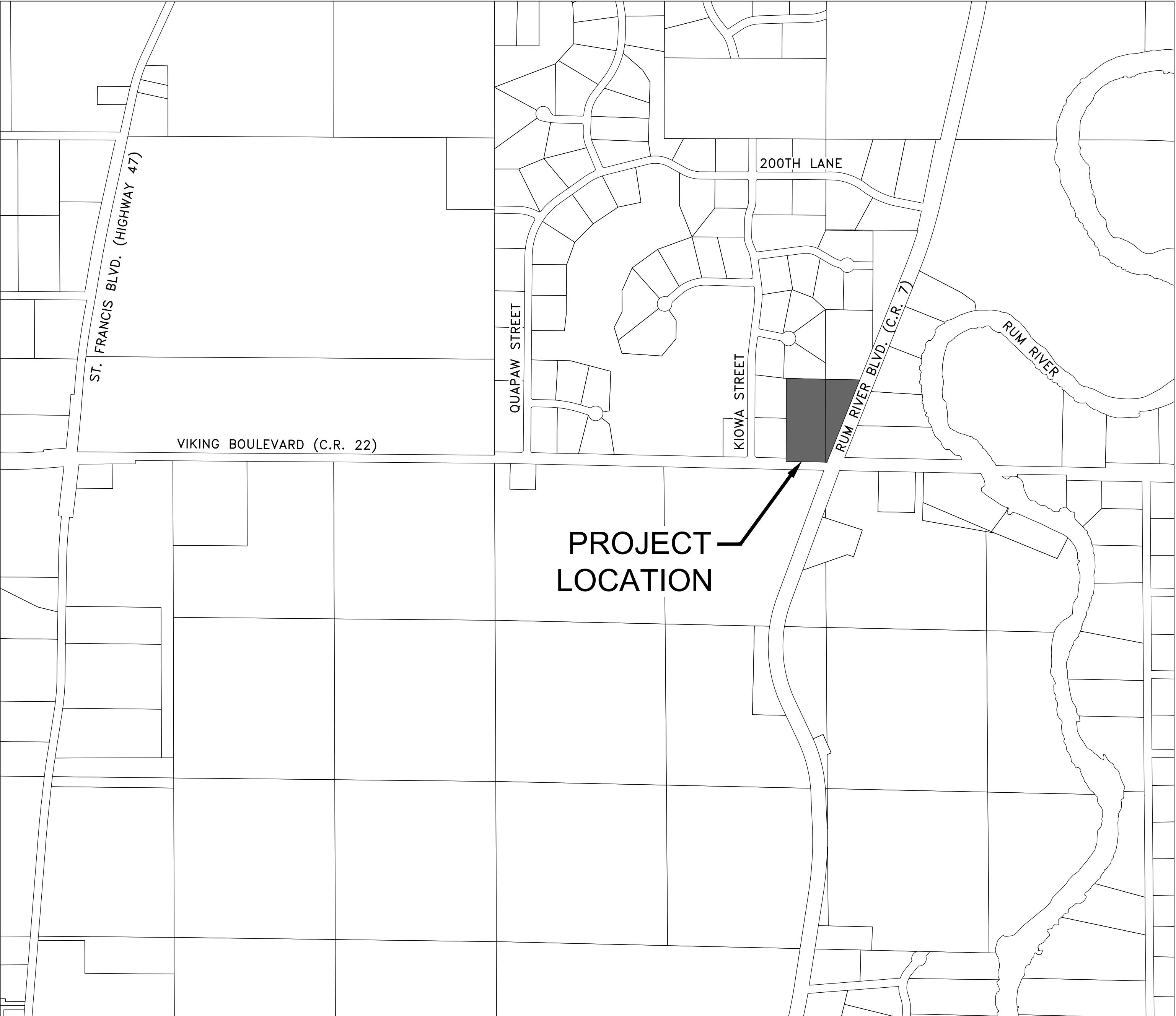
THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX THIS PLAN CONTAINS 16 SHEETS

SHEET NO.	DESCRIPTION
C1	TITLE SHEET
C2	CONSTRUCTION NOTES, PROJECT LEGEND AND DETAILS
C3	DETAILS
C4-C5	CITY STANDARD DETAILS
C6	EXISTING TOPOGRAPHY AND REMOVALS PLAN
C7	EXISTING TOPOGRAPHY AND REMOVALS PLAN—RUM RIVER BOULEVARD
C8	GRADING, DRAINAGE AND EROSION CONTROL PLAN
C9	STAKING PLAN
C10	UTILITY PLAN
C11	PAVING AND RESTORATION PLAN
C12	RESTORATION PLAN—RUM RIVER BOULEVARD
C13	TRAFFIC CONTROL PLAN—RUM RIVER BOULEVARD
C14	RIGHT TURN LANE CONSTRUCTION PLAN—RUM RIVER BOULEVARD
C15-C16	CROSS SECTIONS—RUM RIVER BOULEVARD



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.


TIMOTHY A. EGGERICHES, P.E.
HAKANSON ANDERSON
DESIGN ENGINEER

43362 DATE 9/17/20
LIC. NO.

DATE	REVISION
10/1/20	ISSUED FOR REVIEW

SHEET C1 OF C16 SHEETS

GENERAL CONSTRUCTION AND SOILS NOTES:

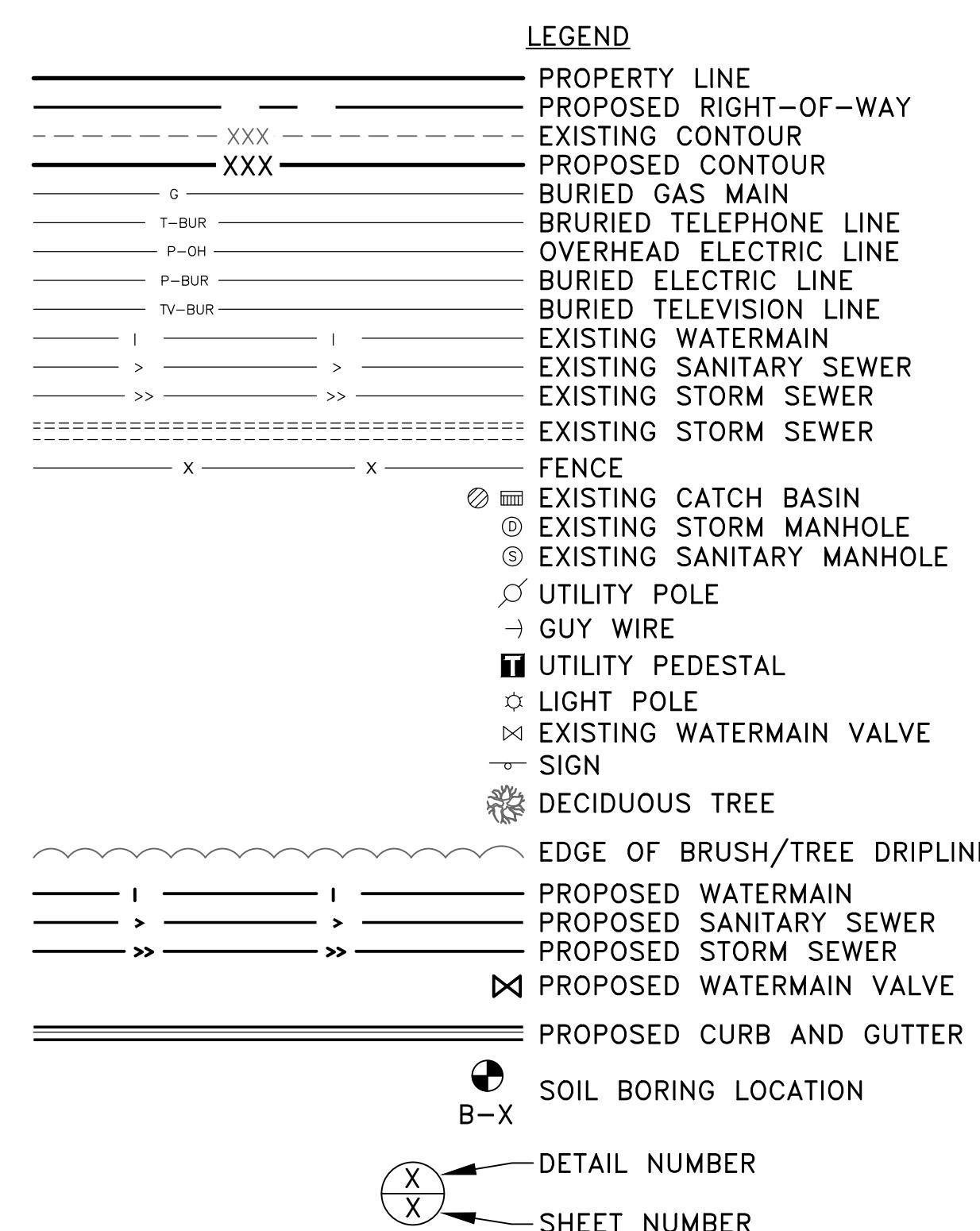
1. UNLESS OTHERWISE RECOMMENDED IN THESE PLANS, THE GRADING SUBGRADE SHALL BE CONSTRUCTED OF SUITABLE GRADING MATERIAL. THE FILL SHALL BE PLACED IN 8" TO 10" LOOSE LIFTS, AND COMPAKTED TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. SUITABLE GRADING MATERIAL FOR THIS PROJECT SHALL CONSIST OF ALL SOILS ENCOUNTERED WITH THE EXCEPTION OF TOPSOIL, SILT, DEBRIS, ORGANIC MATERIAL AND OTHER UNSTABLE MATERIAL.
3. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PREPARED BY AMERICAN ENGINEERING TESTING, INC. FOR ANY ADDITIONAL SITE PREPARATION REQUIREMENTS.
4. PROVIDE A SAWCUT WHEN PLACING NEW PAVEMENT ADJACENT TO INPLACE PAVEMENT AND AT TERMINI OF CONSTRUCTION TO ENSURE A UNIFORM JOINT.
5. BITUMINOUS AND CONCRETE ITEMS DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH MN/DOT SPEC. 2104.
6. USE TACK COAT BETWEEN ALL BITUMINOUS MIXTURES. THE BITUMINOUS TACK COAT MATERIAL SHALL BE APPLIED AT A UNIFORM RATE OF 0.04 GAL/SY TO 0.06 GAL/SY BETWEEN BITUMINOUS LAYERS. THE APPLICATION RATES ARE FOR UNDILUTED EMULSIONS.
7. THE BITUMINOUS MIXTURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS 2360 AND 3139.
8. EXCEPT FOR THE INFILTRATION BASIN, ALL DISTURBED AREAS SHALL BE RESTORED WITH 4" OF TOPSOIL, FERTILIZER AND SEED. SEE SHEETS C11 AND C12 FOR ADDITIONAL RESTORATION DETAILS.
9. IF NECESSARY, CONTRACTOR SHALL APPLY FOR A DEPARTMENT OF LABOR AND INDUSTRY PERMIT PRIOR TO CONSTRUCTING ANY UNDERGROUND UTILITIES SHOWN ON THESE PLANS. CONTRACTOR SHALL ADDRESS ALL THE COMMENTS FROM THE DEPARTMENT OF LABOR AND INDUSTRY AS PART OF THE PERMIT APPLICATION PROCESS.

GENERAL EROSION CONTROL NOTES:

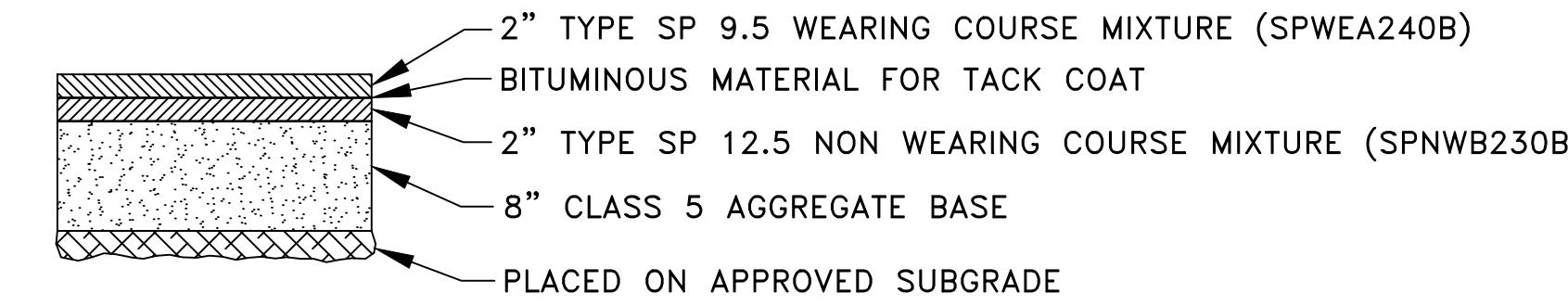
1. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ACQUIRE THE MPCA CONSTRUCTION STORMWATER GENERAL PERMIT (NPDES).
2. EROSION CONTROL SHALL CONFORM TO THE MN/DOT EROSION CONTROL HANDBOOK.
3. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL FACILITIES (BMP'S) PRIOR TO GRADING AND REMOVAL ACTIVITIES. BMP'S SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES AND POTENTIAL FOR EROSION HAS PASSED.
4. THE CONTRACTOR SHALL SCHEDULE HIS OPERATION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY GIVEN TIME.
5. BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR. OBSERVATIONS SHALL BE RECORDED IN THE INSPECTION LOG.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION.
7. THE CONTRACTOR SHALL FILE A NOTICE OF TERMINATION WITH THE MPCA AFTER FINAL STABILIZATION HAS BEEN APPROVED.

REFERENCE NOTES:

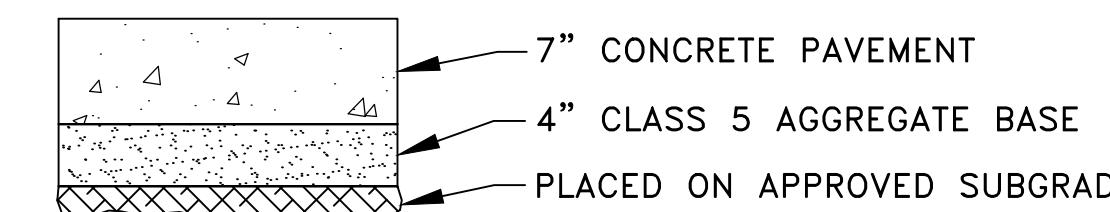
- ① PAVEMENT SECTION SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER.
- ② CONTRACTOR SHALL PROTECT THE INFILTRATION BASIN WITH 48" HIGH ORANGE SAFETY FENCE PRIOR TO THE START OF CONSTRUCTION.
- ③ CONSTRUCTION EQUIPMENT SHALL BE MINIMIZED OVER THE FOOTPRINT OF THE BASIN. ONLY LOW PRESSURE, WIDE TRACKED EQUIPMENT SHALL BE USED FOR CONSTRUCTION.
- ④ SEE SHEET C11 FOR INFILTRATION BASIN RESTORATION REQUIREMENTS.



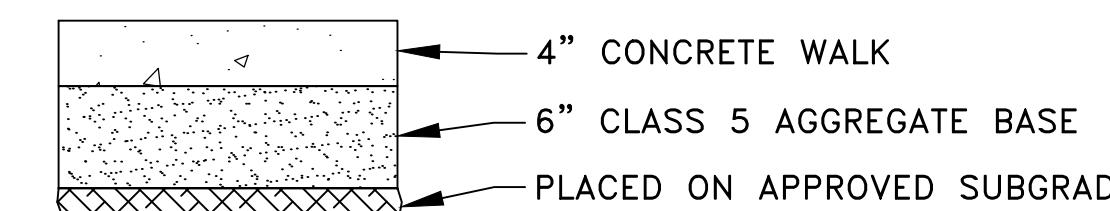
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TIMOTHY A. EGGERICH, P.E.	
Date 9/17/20	
Lic. No. 43362	



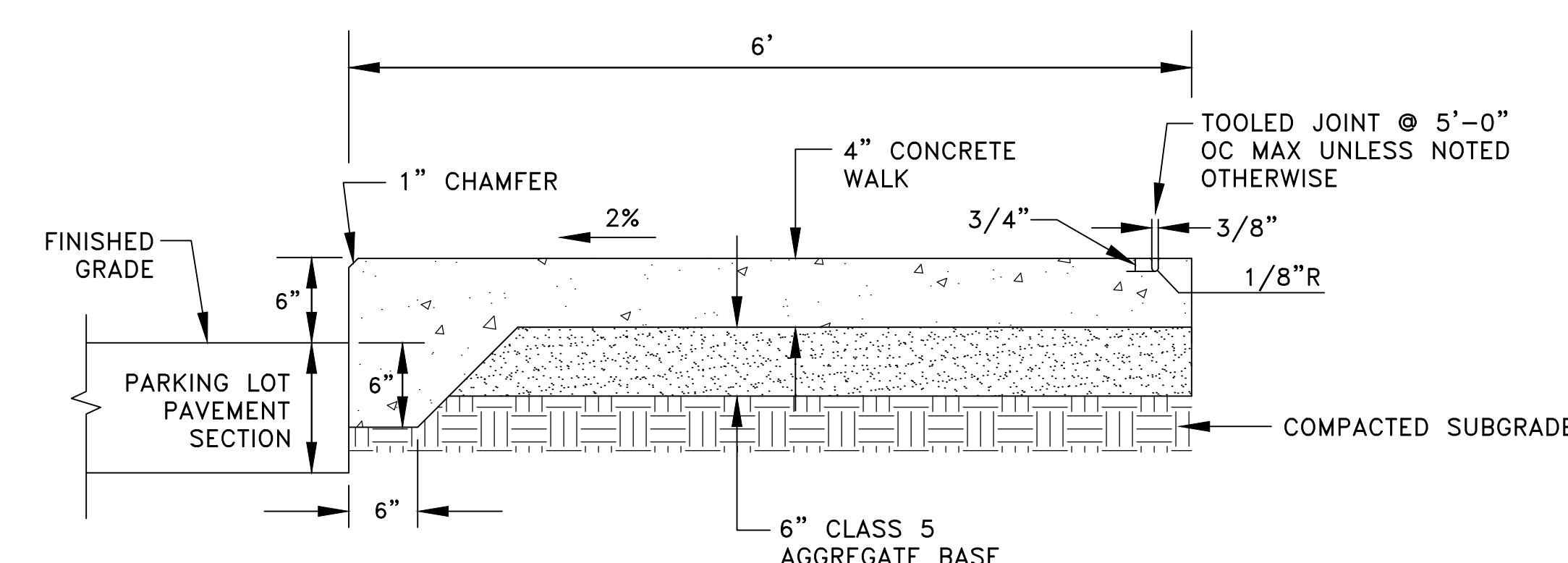
1 BITUMINOUS PAVEMENT SECTION ①
C2 NO SCALE



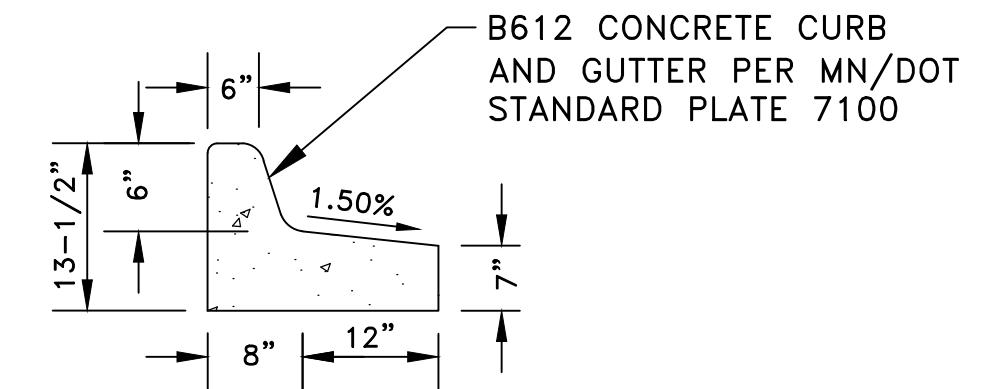
2 CONCRETE PAVEMENT SECTION ①
C2 NO SCALE



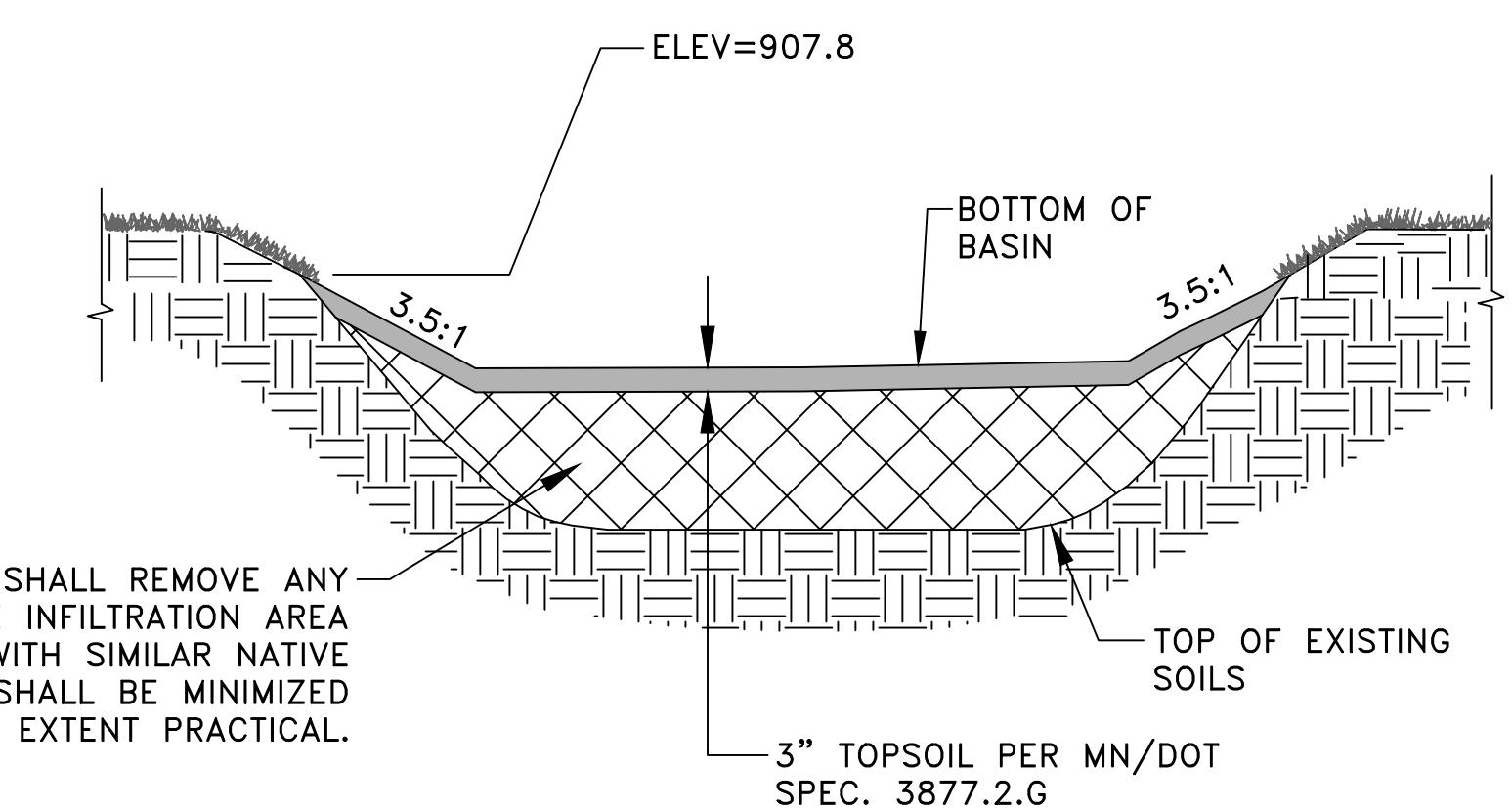
3 CONCRETE WALK SECTION ①
C2 NO SCALE



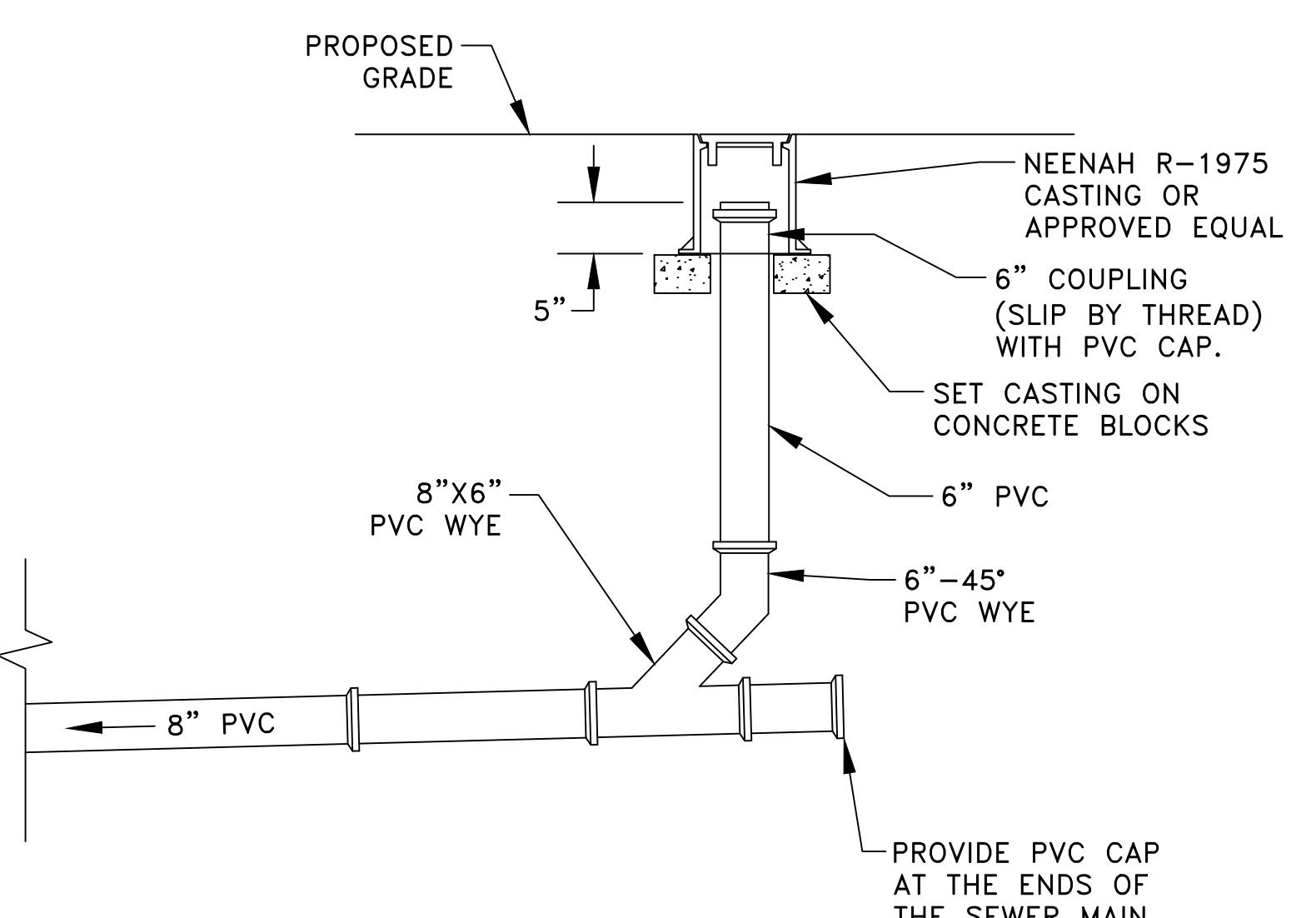
SIDEWALK NOTES:
1. PROVIDE EXPANSION JOINT A MAXIMUM OF EVERY 30' OC.
THICKENED EDGE CONCRETE
SIDEWALK SECTION
C2 NO SCALE



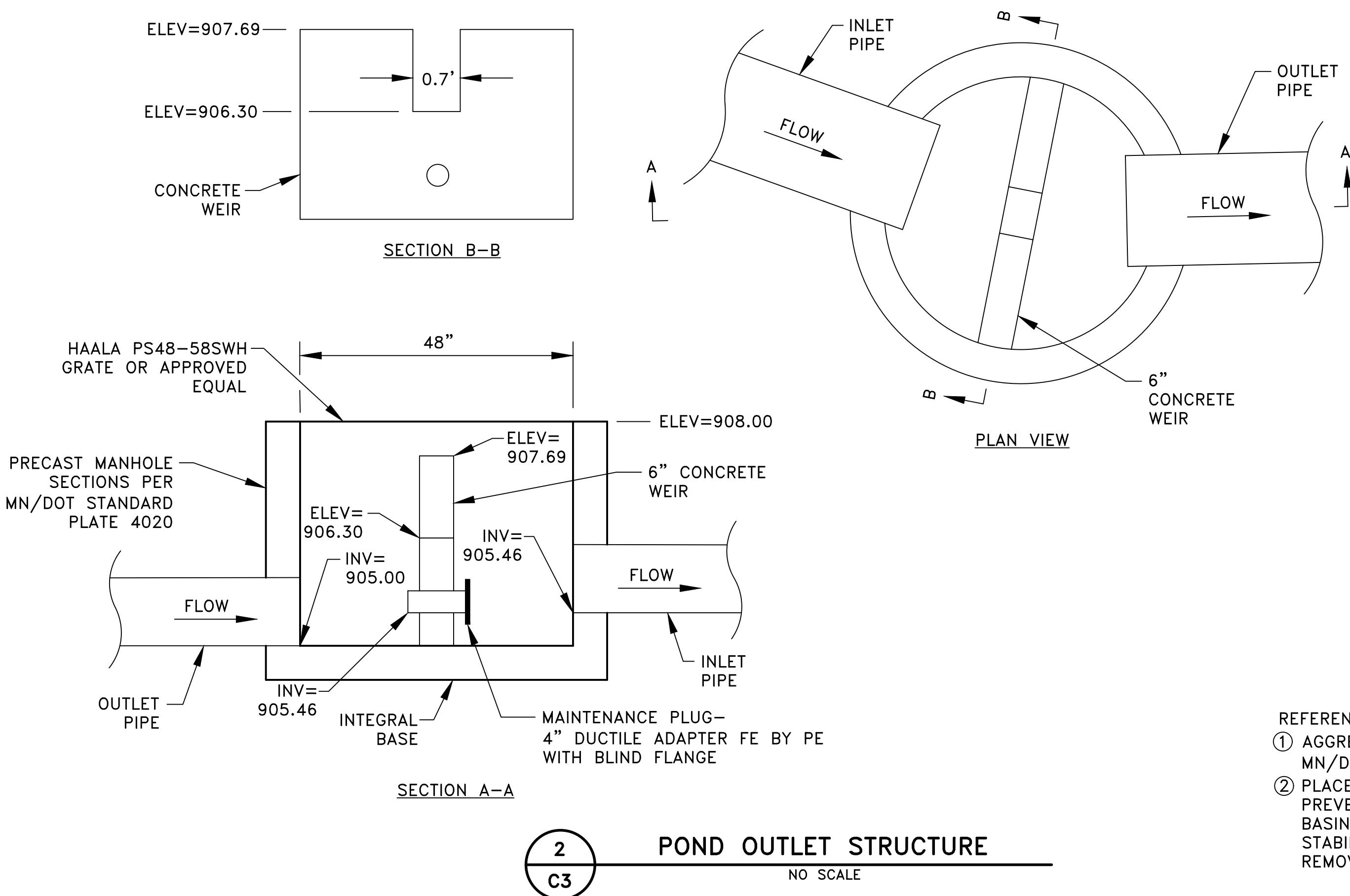
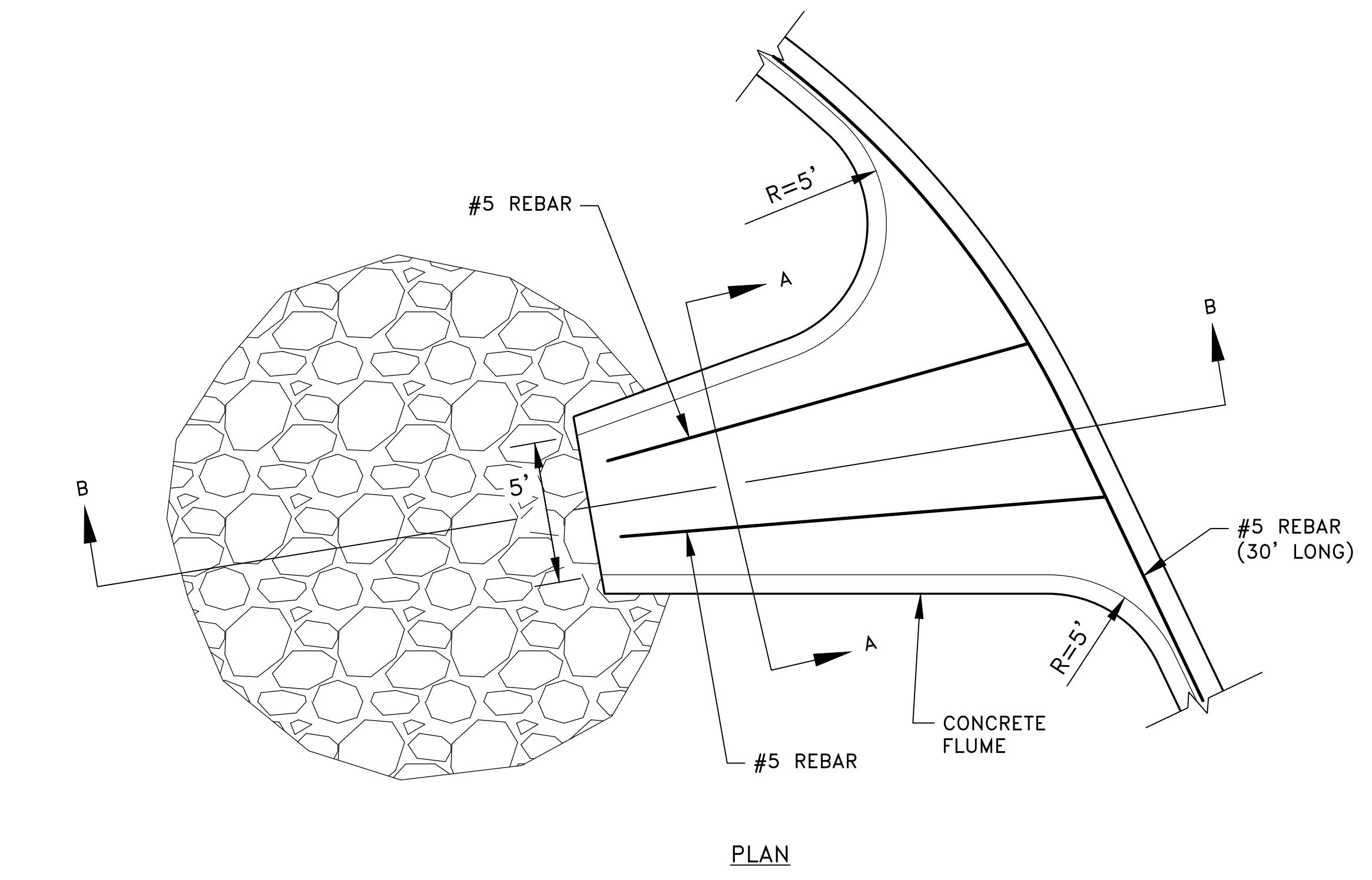
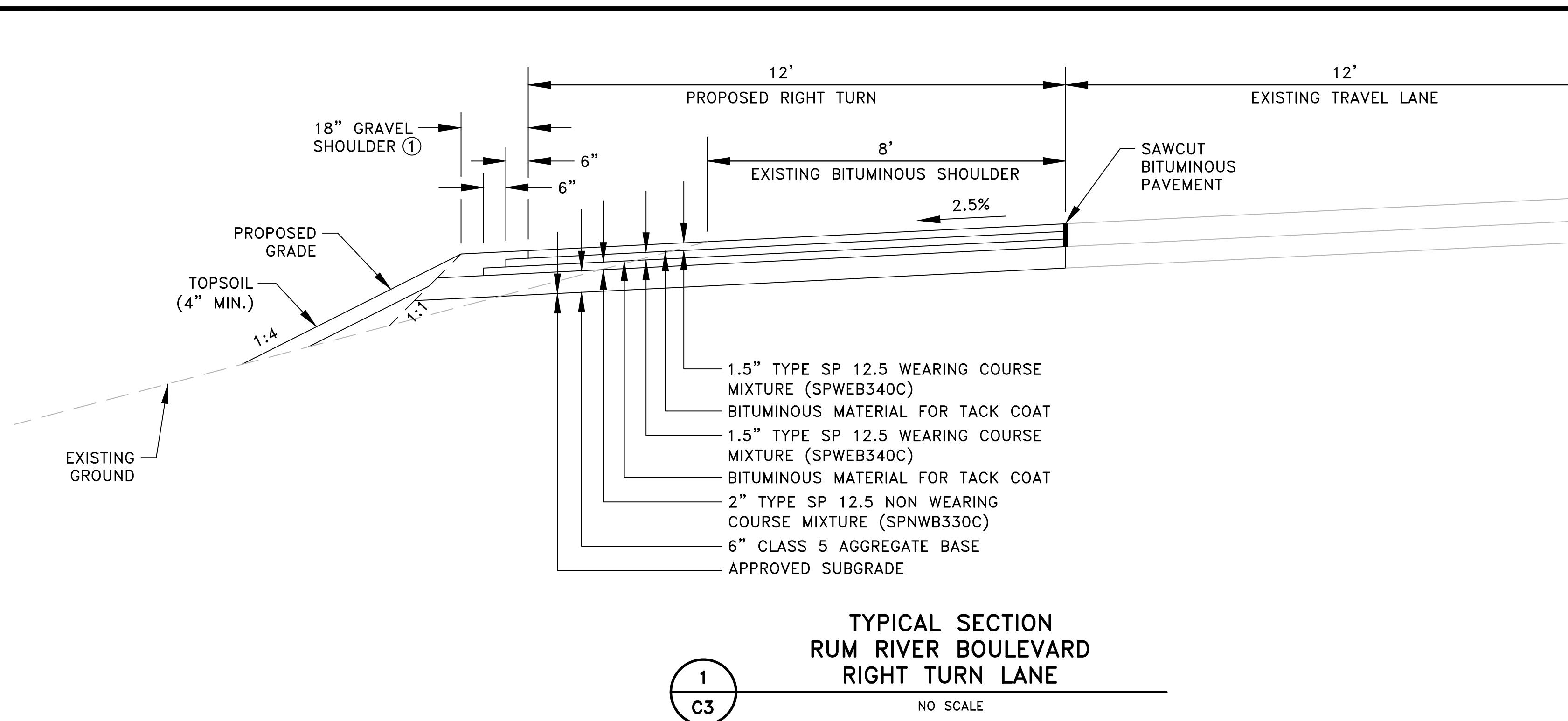
5 TIPOUT CURB DETAIL
C2 NO SCALE



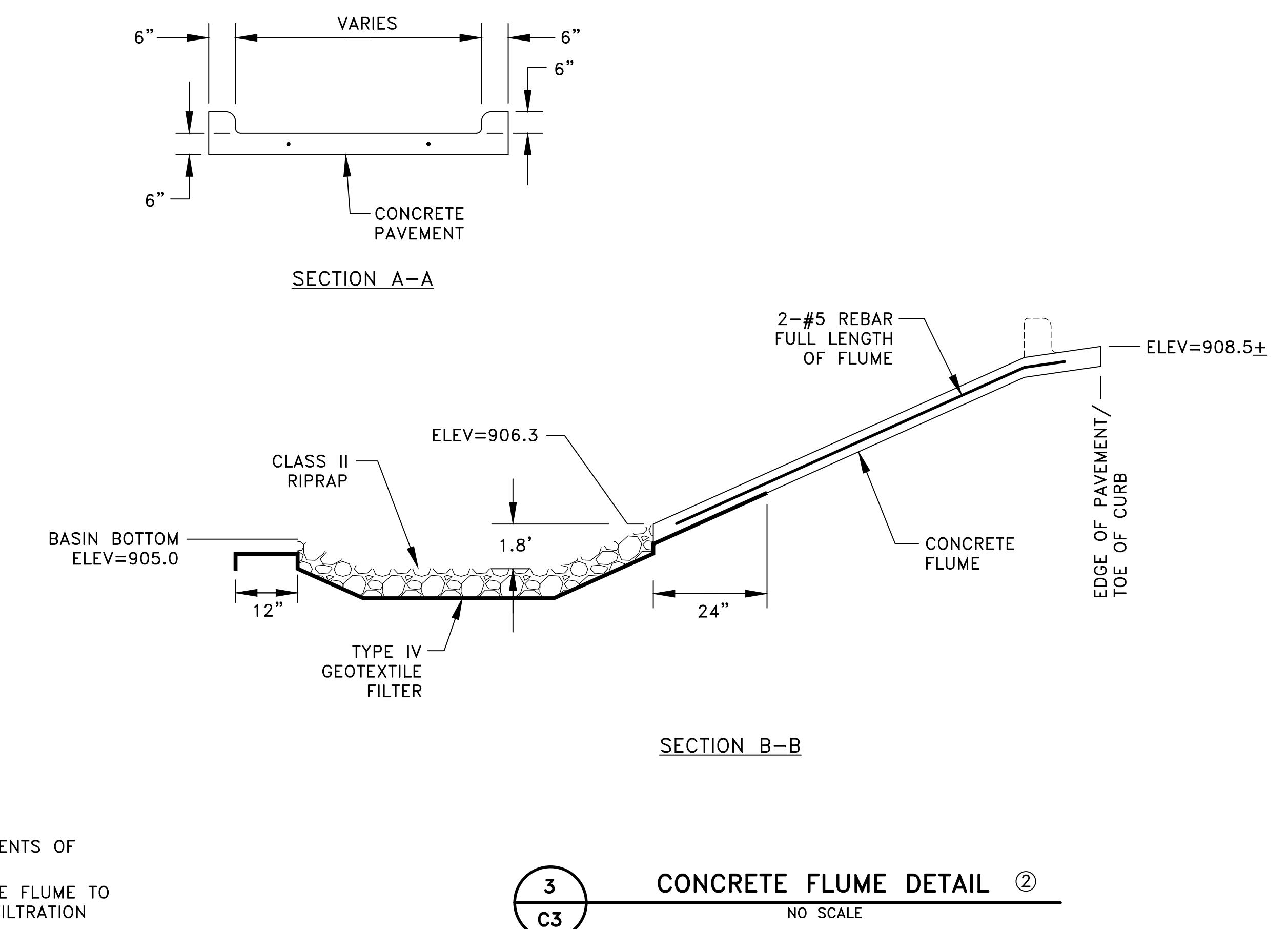
6 INFILTRATION BASIN ②③④
C2 NO SCALE

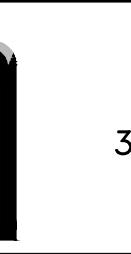
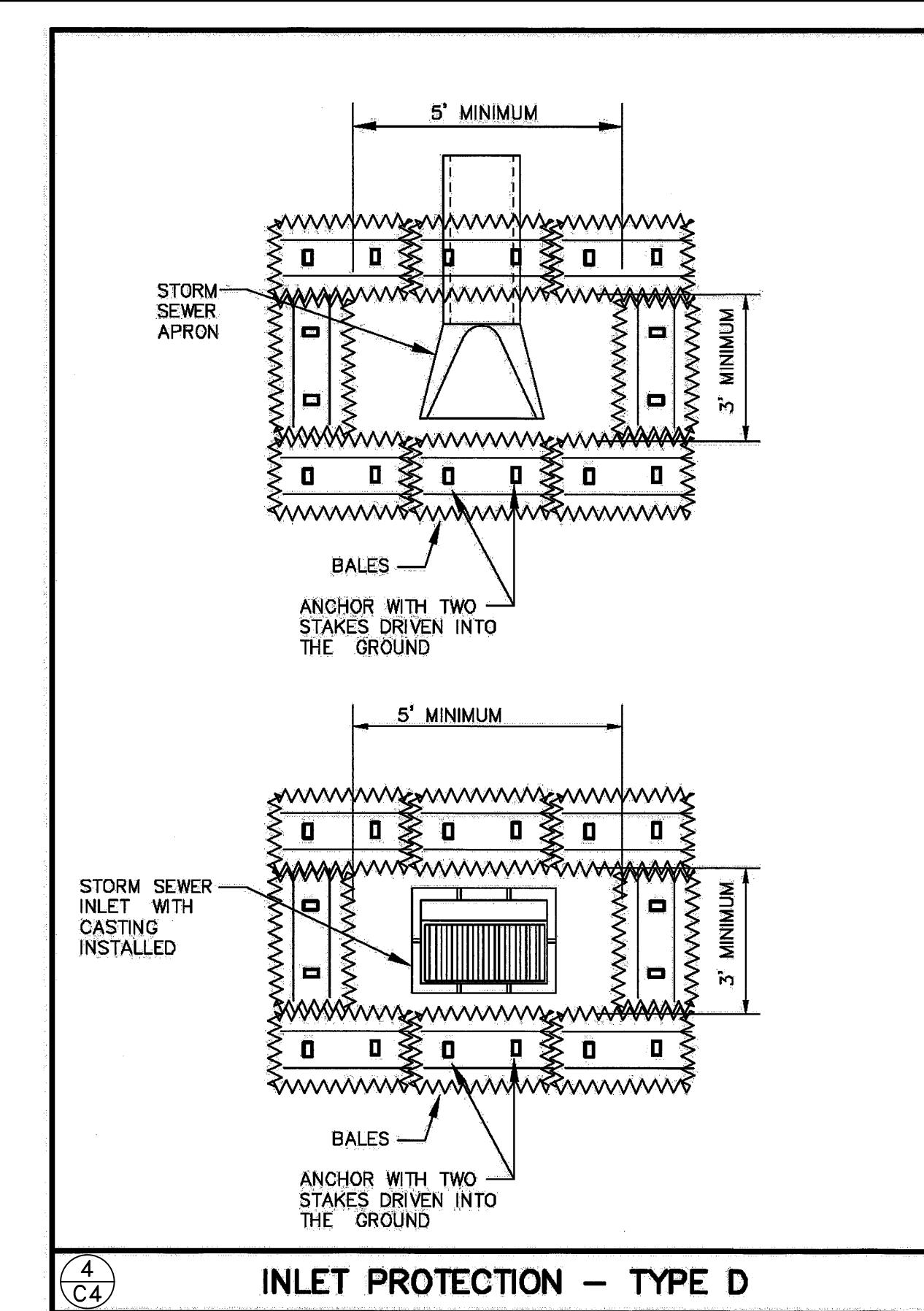
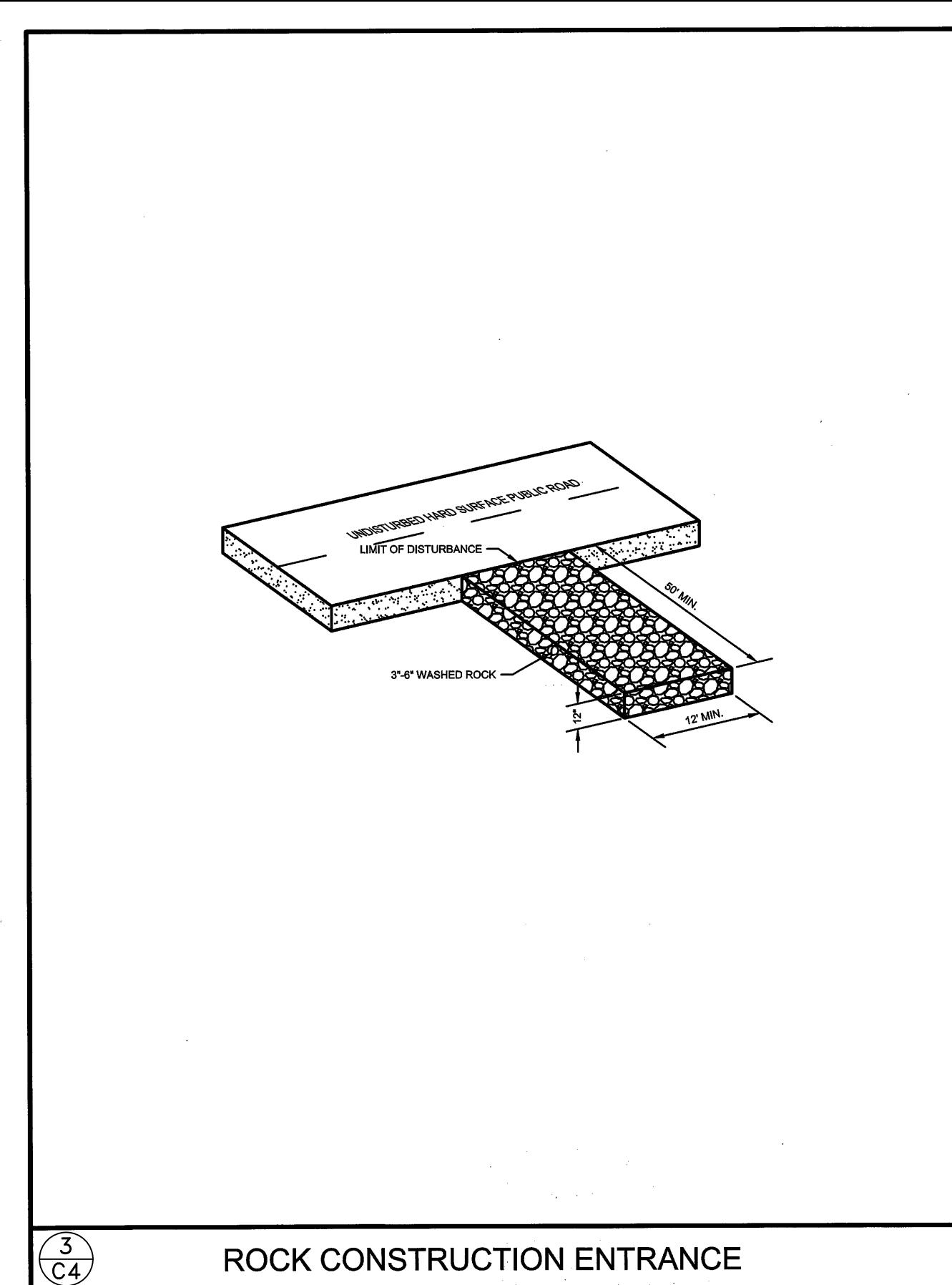
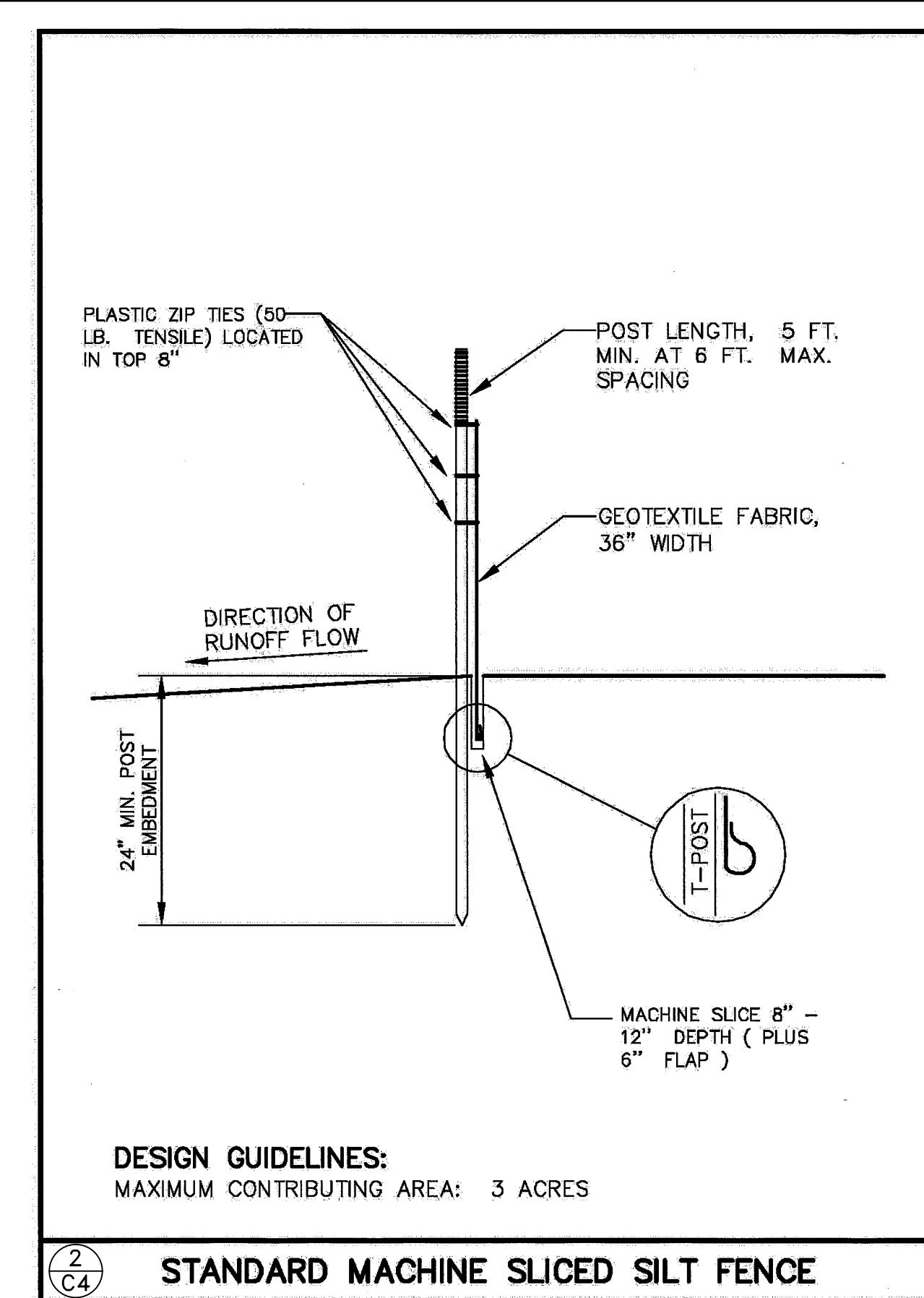
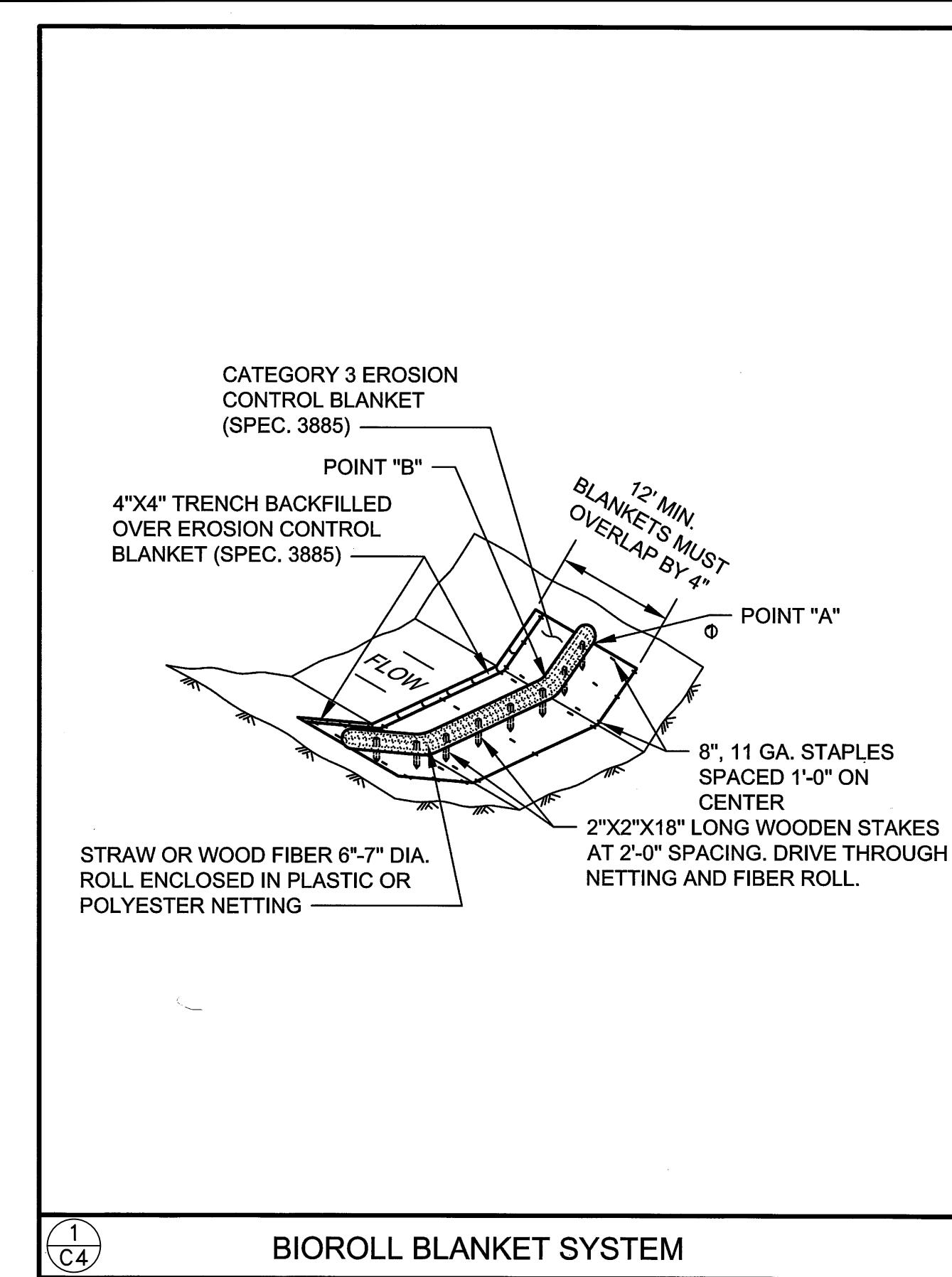


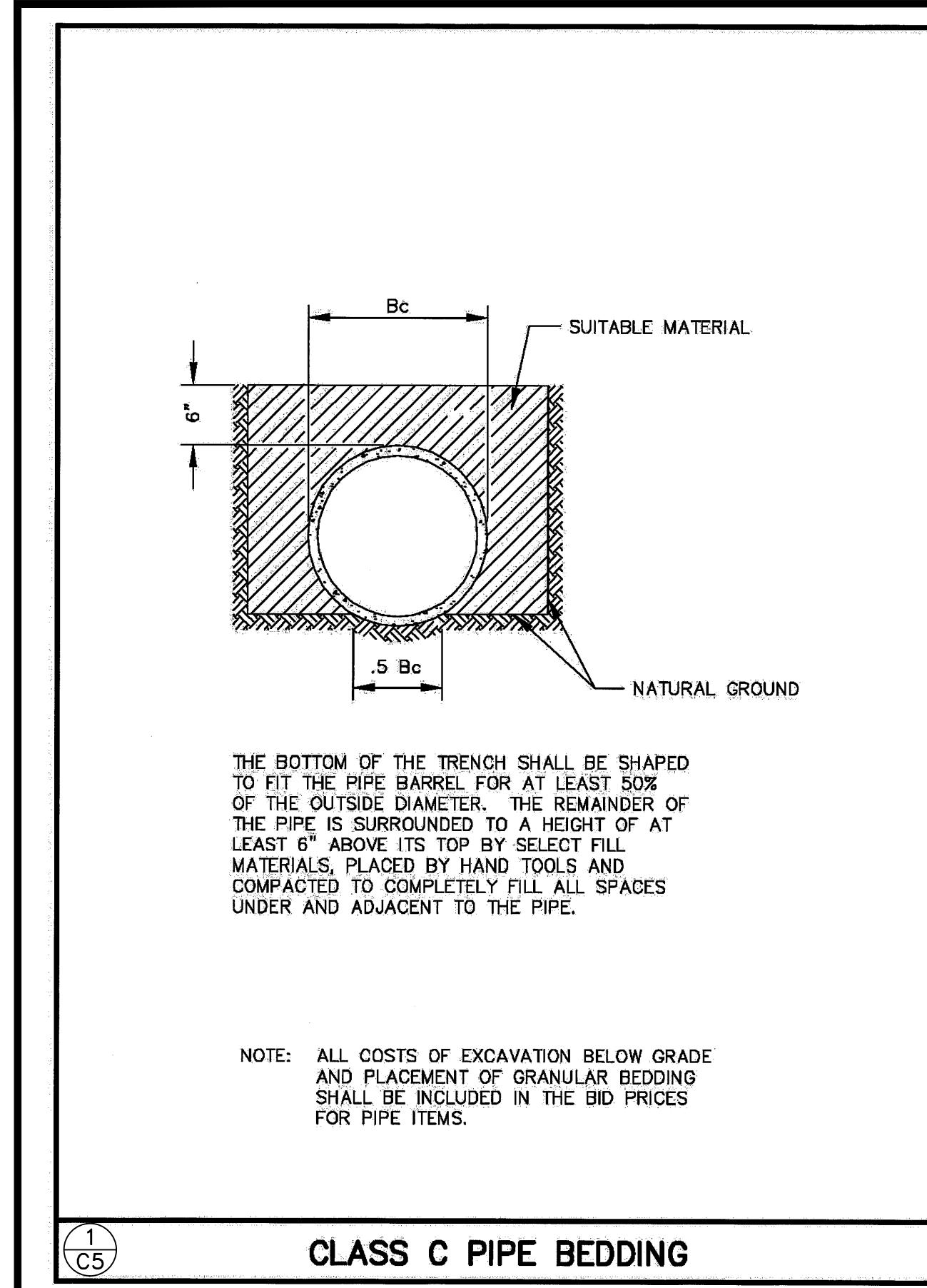
7 DRAINILE CLEANOUT
C2 NO SCALE



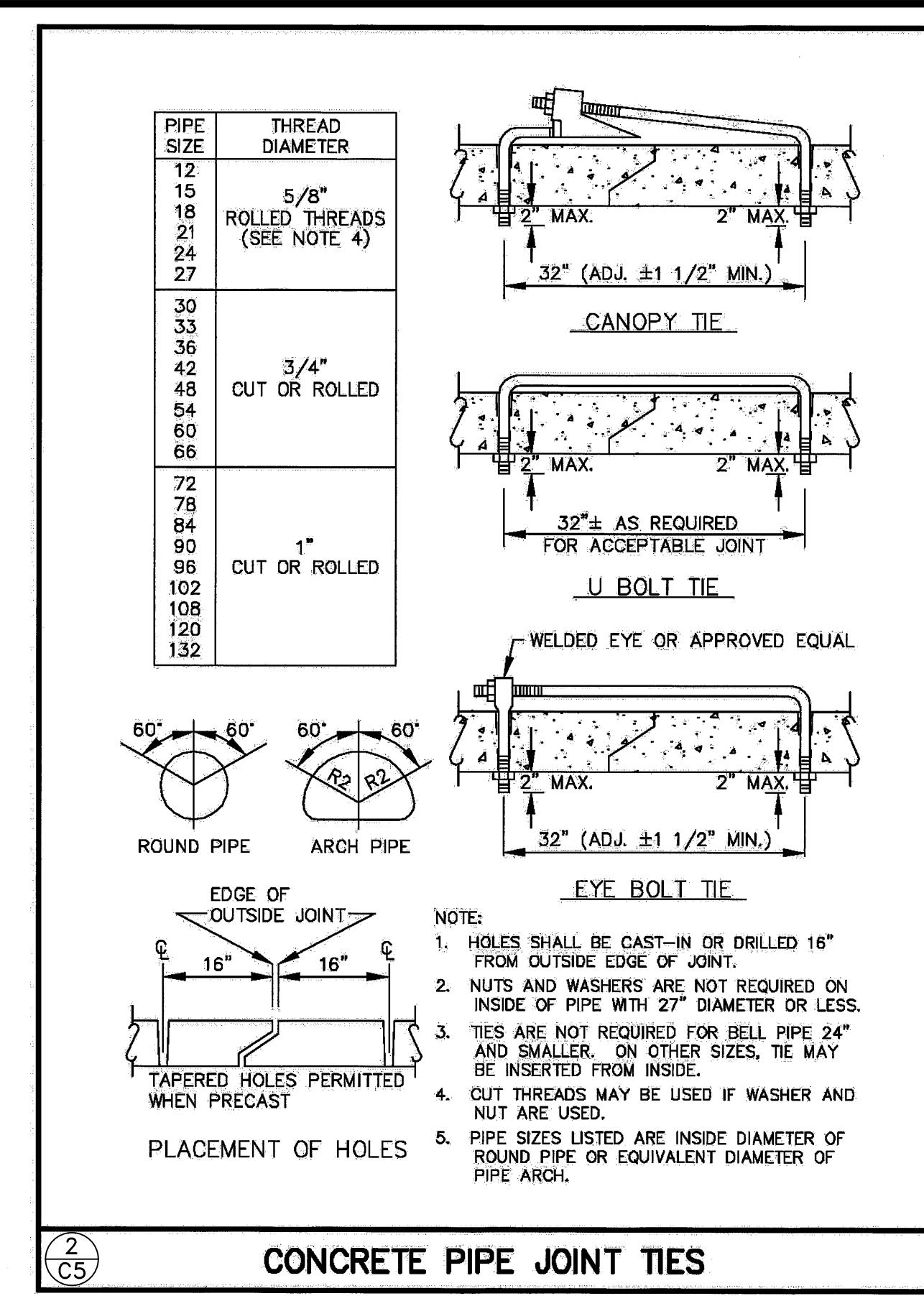
REFERENCE NOTES:
 ① AGGREGATE SHOULDER SHALL MEET THE REQUIREMENTS OF
 MN/DOT SPEC 3138, CLASS 2 VIRGIN MATERIAL.
 ② PLACE SEDIMENT CONTROL LOGS UPSTREAM OF THE FLUME TO
 PREVENT STORMWATER FROM DRAINING TO THE INFILTRATION
 BASIN PRIOR TO FINAL STABILIZATION. AFTER FINAL
 STABILIZATION, THE SEDIMENT CONTROL LOGS CAN BE
 REMOVED.



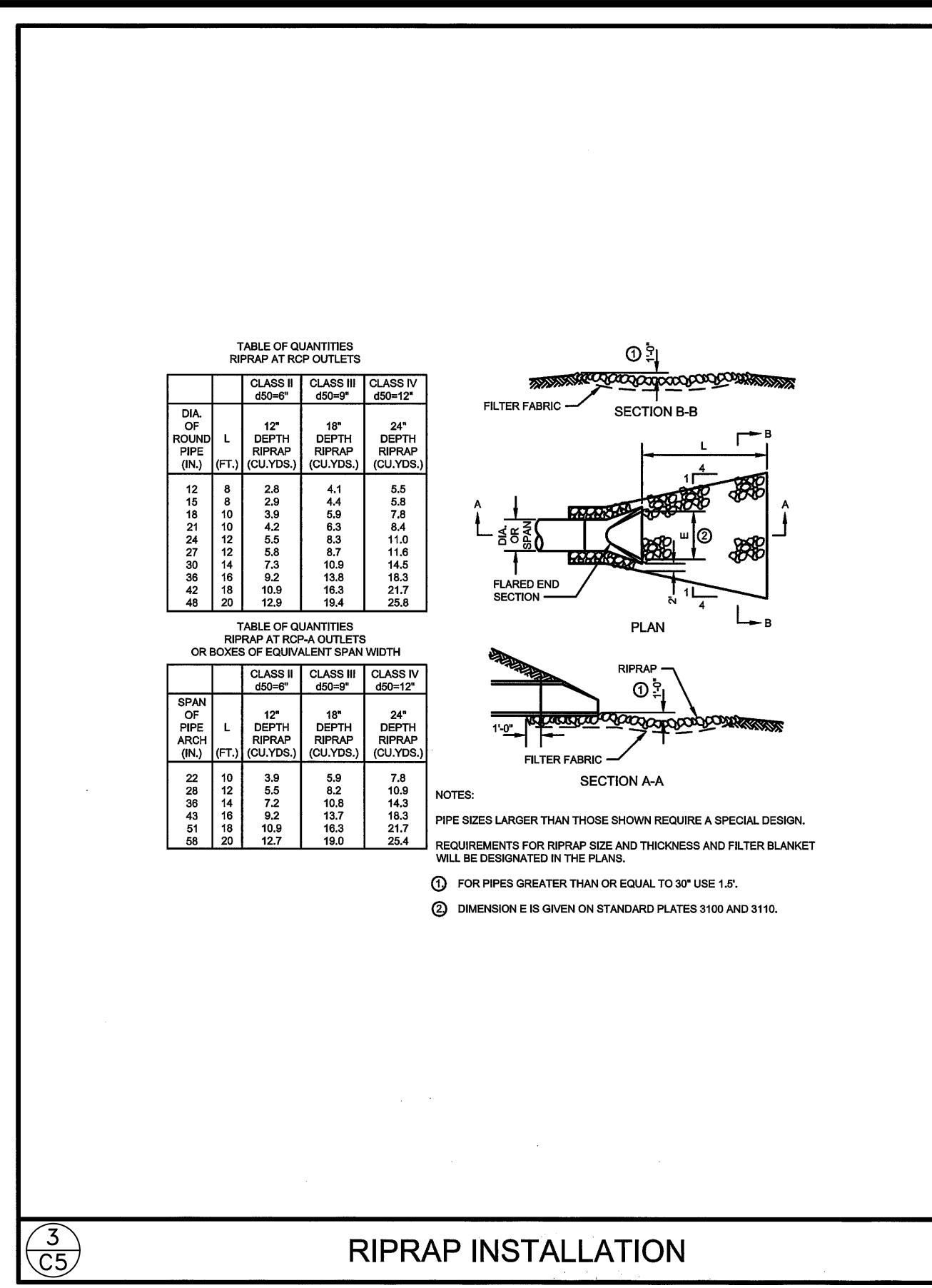




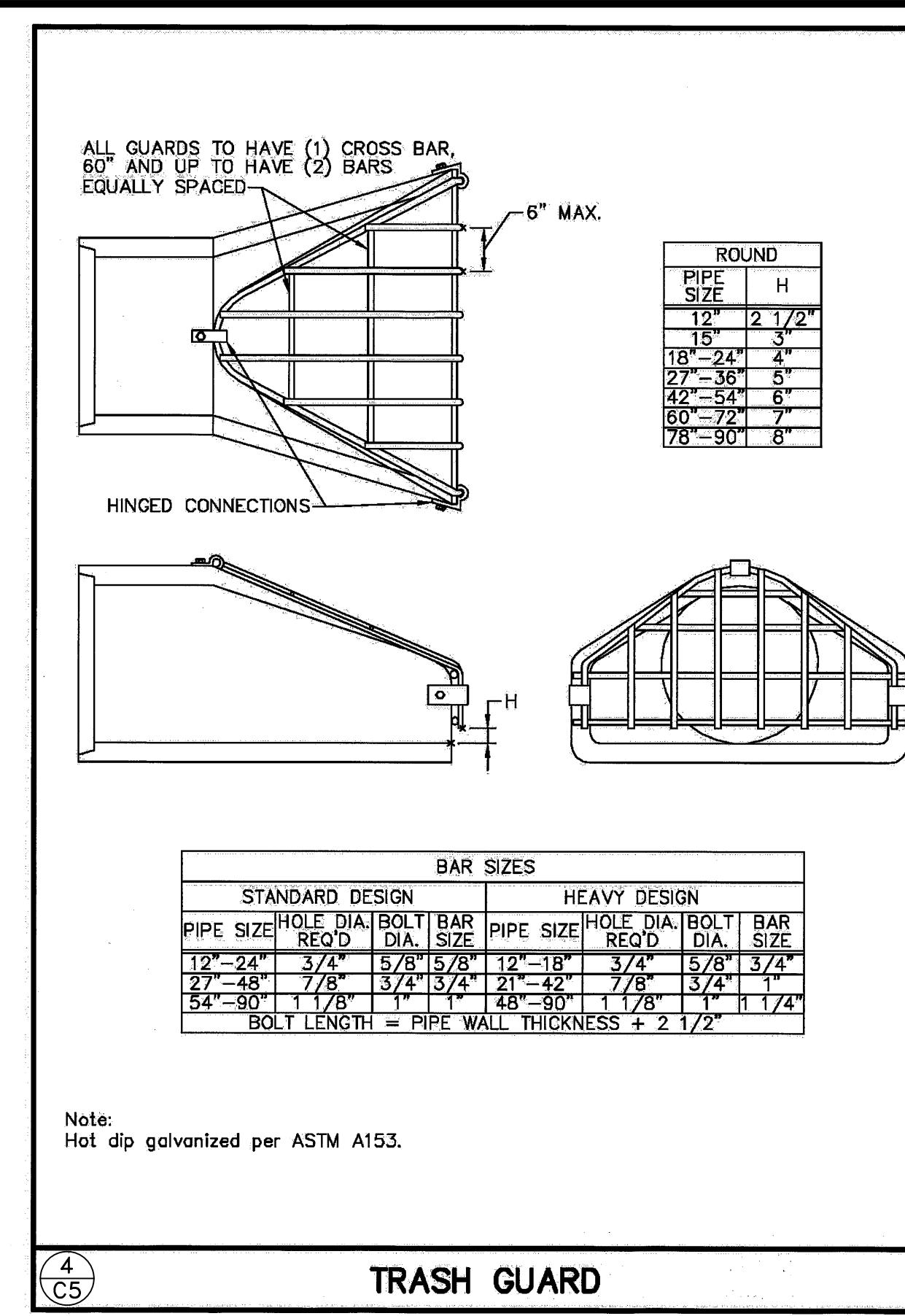
1 (C5) CLASS C PIPE BEDDING



2 (C5) CONCRETE PIPE JOINT TIES



3 (C5) RIPRAP INSTALLATION



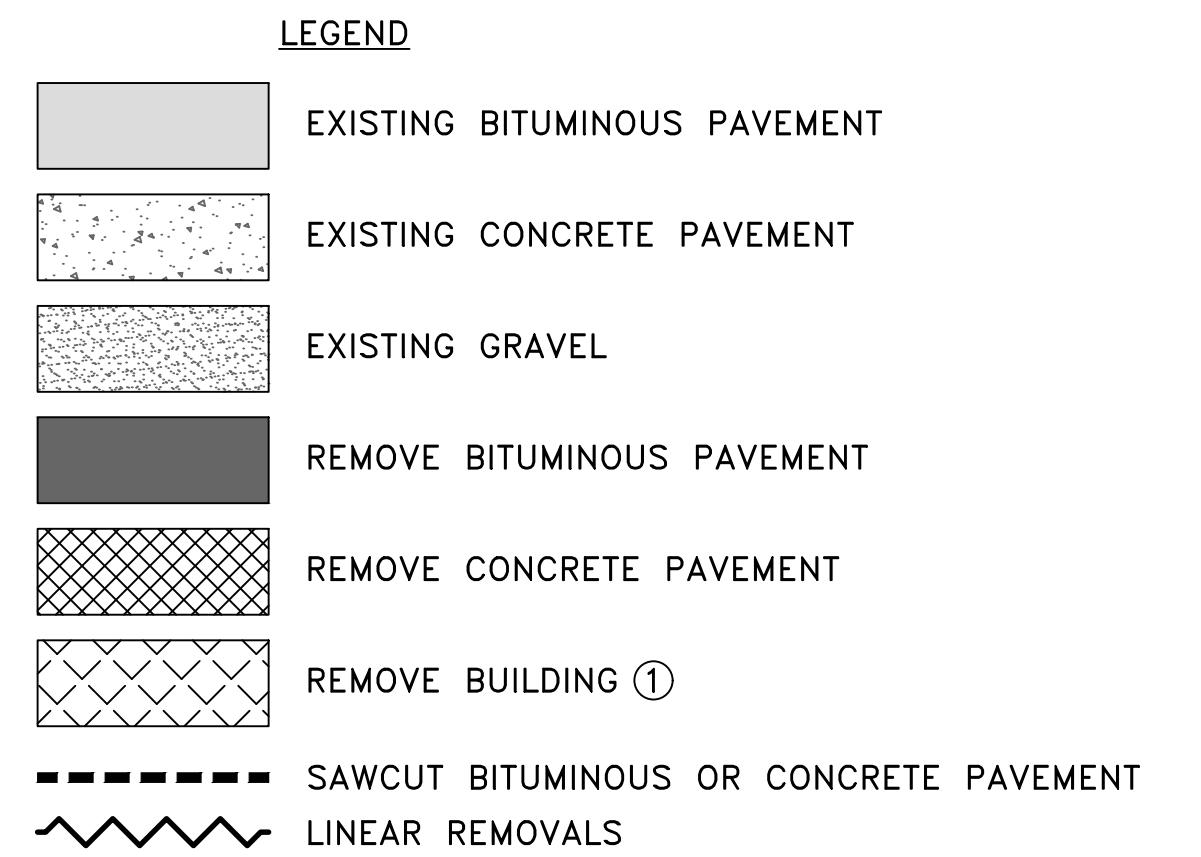
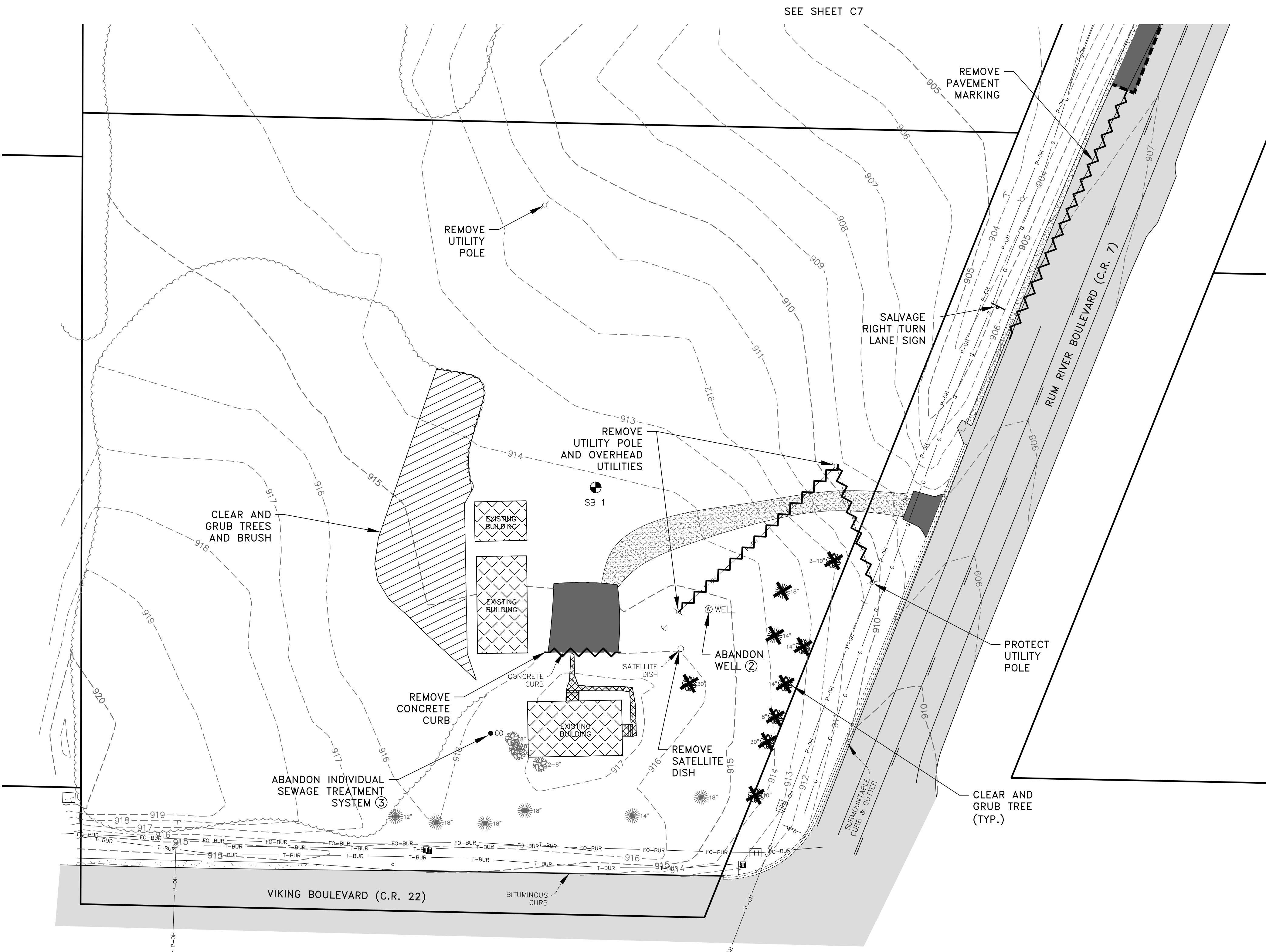
4 (C5) TRASH GUARD

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO RELOCATE OR SALVAGE AND REINSTALL THEIR FACILITIES AS NECESSARY TO COMPLETE CONSTRUCTION.
2. SEE SHEET C13 FOR THE RUM RIVER BOULEVARD TRAFFIC CONTROL PLAN.

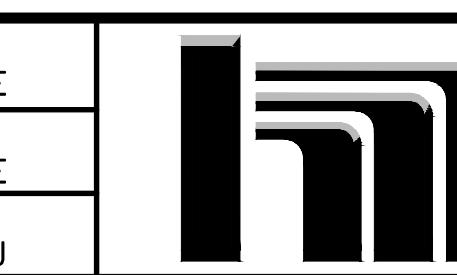
REFERENCE NOTES:

- ① WORK SHALL INCLUDE REMOVING THE BUILDINGS AND ABANDONING THE EXISTING PRIVATE UTILITIES SERVICING THE BUILDING. THESE UTILITIES MAY INCLUDE GAS, ELECTRIC, TELEPHONE AND CABLE TV.
- ② WELL ABANDONMENT SHALL MEET ALL CITY AND STATE REQUIREMENTS.
- ③ VERIFY LOCATION OF THE INDIVIDUAL SEWAGE TREATMENT SYSTEM (ISTS) PRIOR TO CONSTRUCTION. ISTS ABANDONMENT SHALL MEET ALL CITY AND STATE REQUIREMENTS.



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Timothy A. Eggerichs, P.E.
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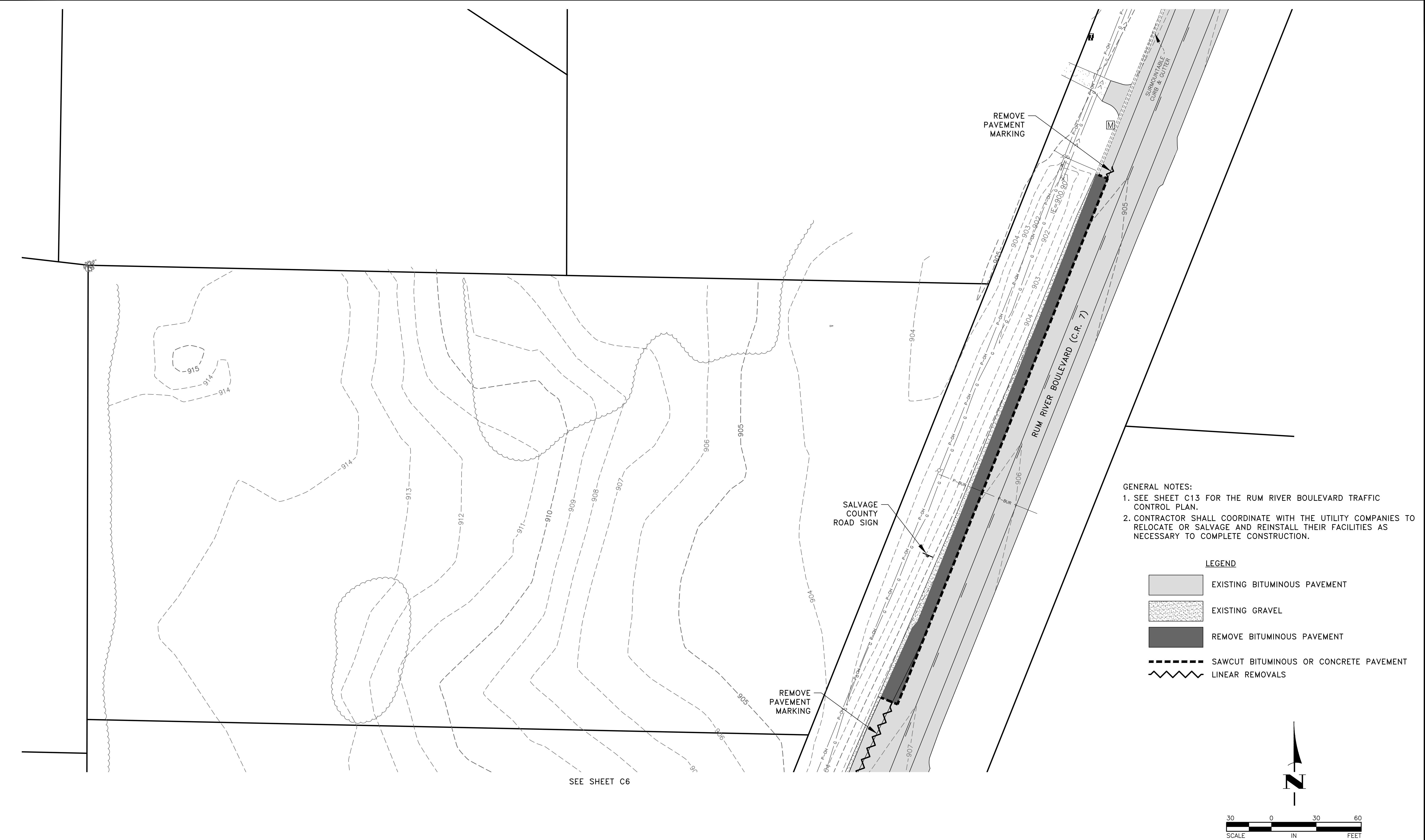
DESIGNED BY:
TAEDRAWN BY:
TAECHECKED BY:
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DEJA'S DOGGIE DAYCARE

EXISTING TOPOGRAPHY
AND REMOVALS PLAN
 CITY OF OAK GROVE, MINNESOTA

SHEET
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OF
C16
SHEETS



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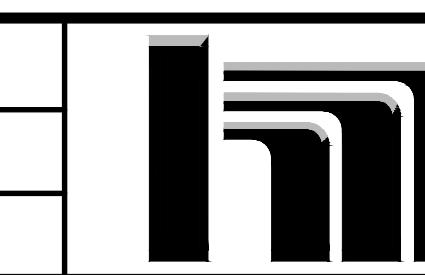
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TIMOTHY A. EGGERICH, P.E.
Date 9/17/20
Lic. No. 43362

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TAE

DRAWN BY:
TAE

CHECKED BY:
CJJ

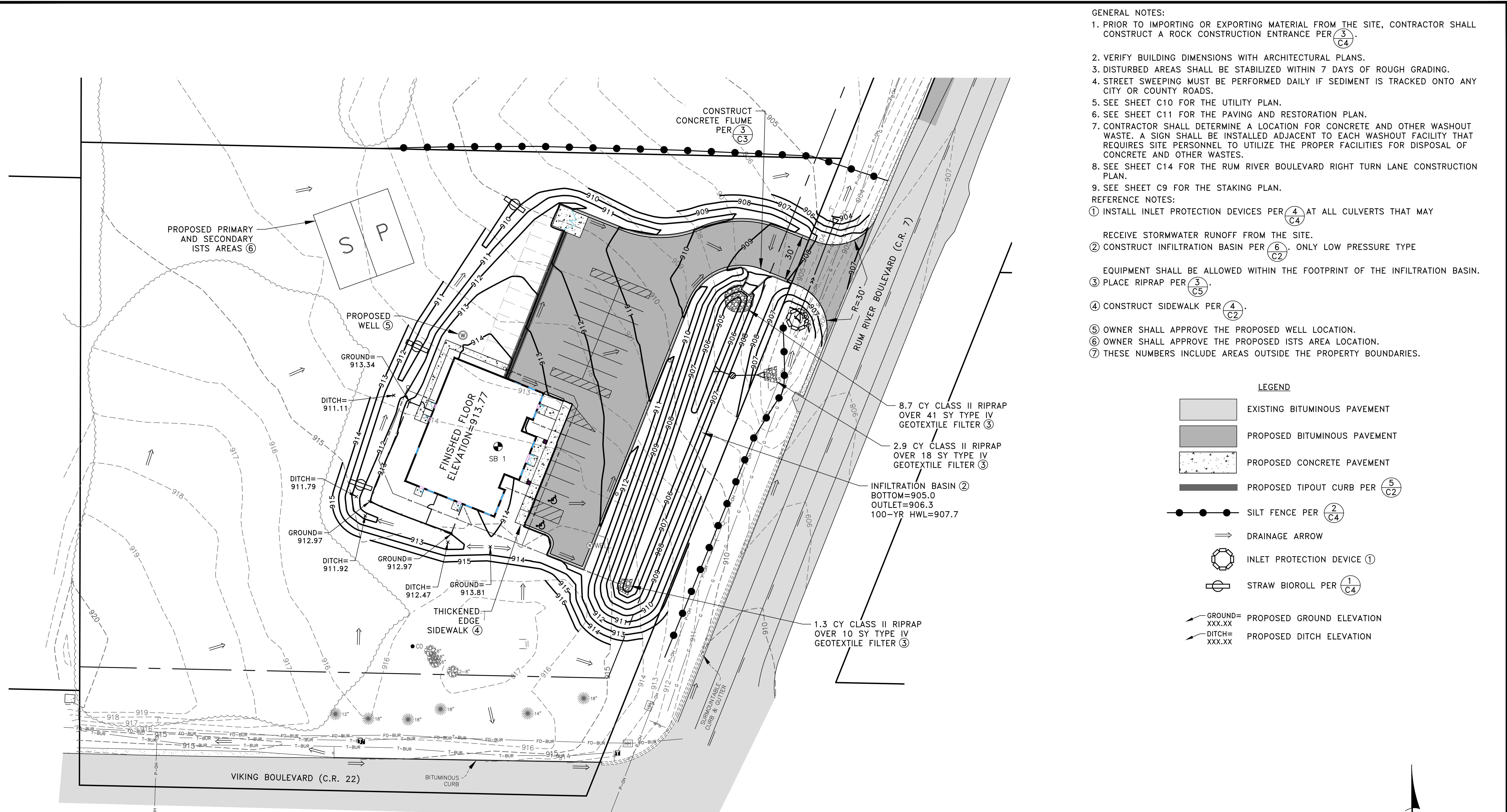


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DEJA'S DOGGIE DAYCARE

EXISTING TOPOGRAPHY
AND REMOVALS PLAN
RUM RIVER BOULEVARD (C.R. 7)
CITY OF OAK GROVE, MINNESOTA

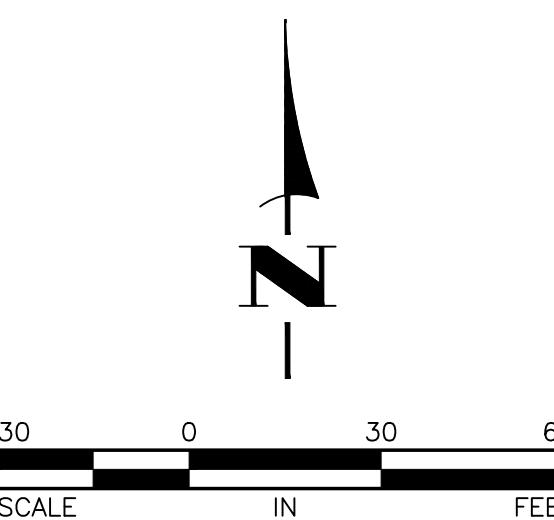
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C16
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PROJECT SUMMARY

PROJECT SUMMARY

LOT AREA	=	163,633 S.F.
EXISTING IMPERVIOUS AREA	=	7,063 S.F. (7)
PROPOSED IMPERVIOUS AREA	=	28,360 S.F. (7)
DISTURBED AREA	=	73,050 S.F. (7)



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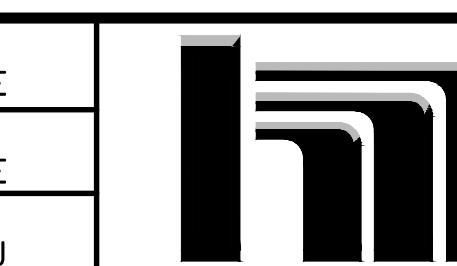
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Date 9/17/20  Lic. No. 4

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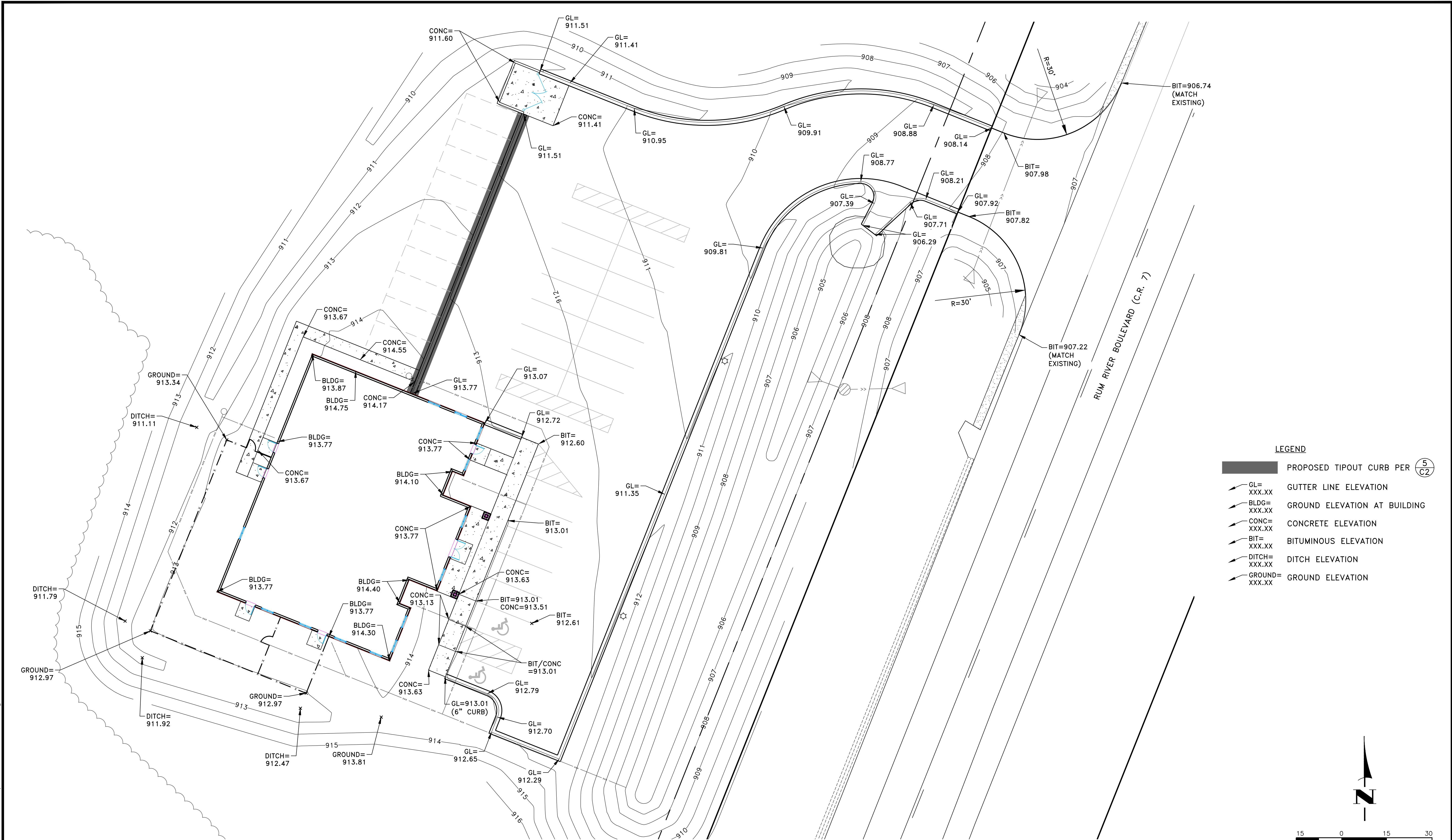
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DEJA'S DOGGIE DAYCARE

GRADING, DRAINAGE AND EROSION CONTROL PLAN

CITY OF OAK GROVE, MINNESOTA

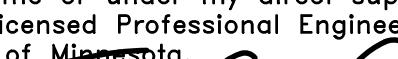
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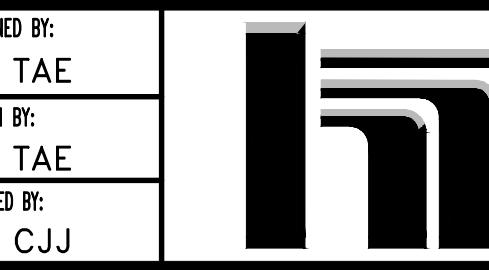
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DEJA'S DOGGIE DAYCARE

UTILITY PLAN

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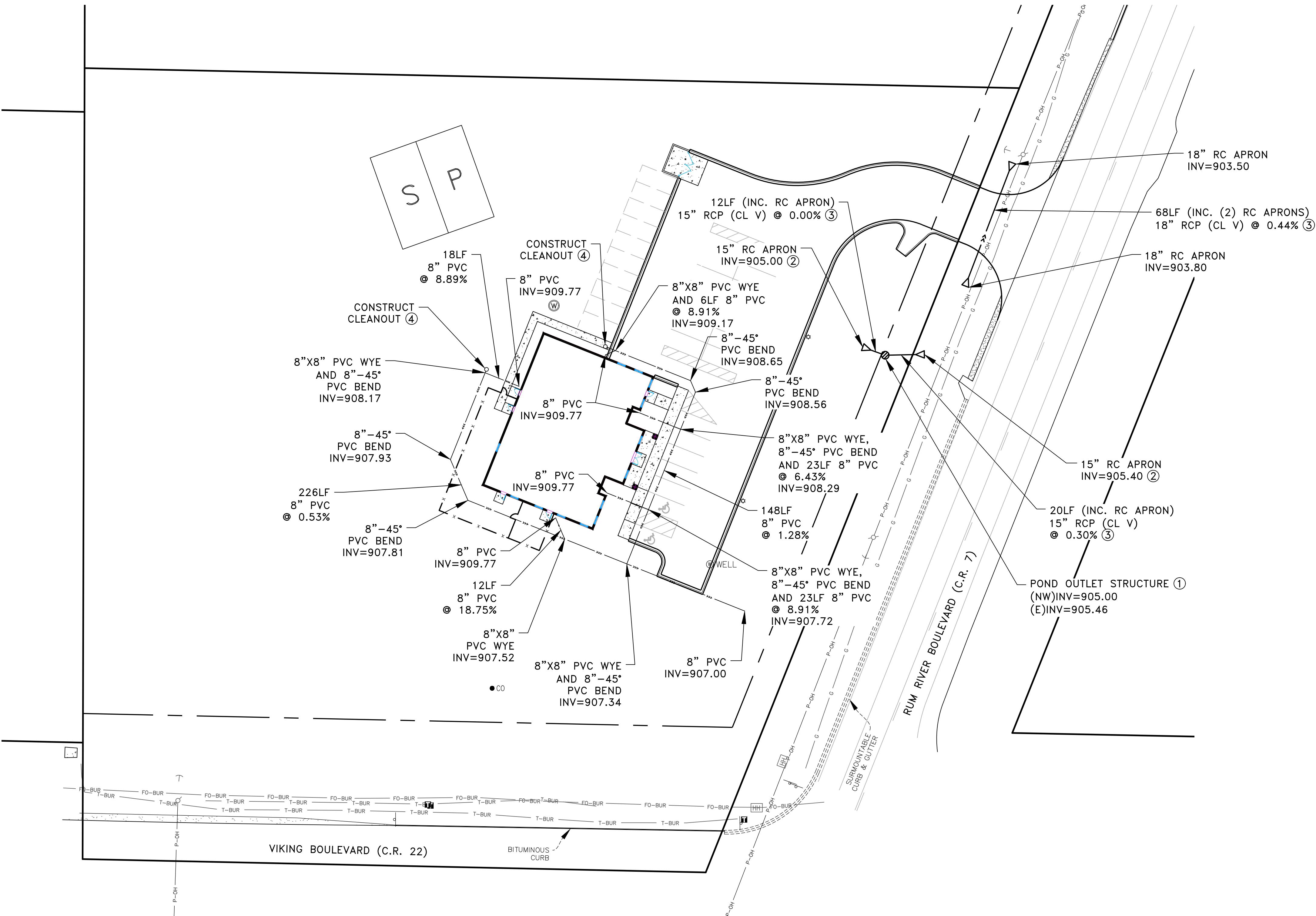
A horizontal scale bar with four tick marks. The first tick mark is labeled '30' on the left. The second tick mark is labeled '0' in the center. The third tick mark is labeled '30' on the right. The fourth tick mark is labeled '60' on the far right. Below the scale bar, the word 'SCALE' is written on the left, 'IN' is written in the center, and 'FEET' is written on the right.

GENERAL NOTES:

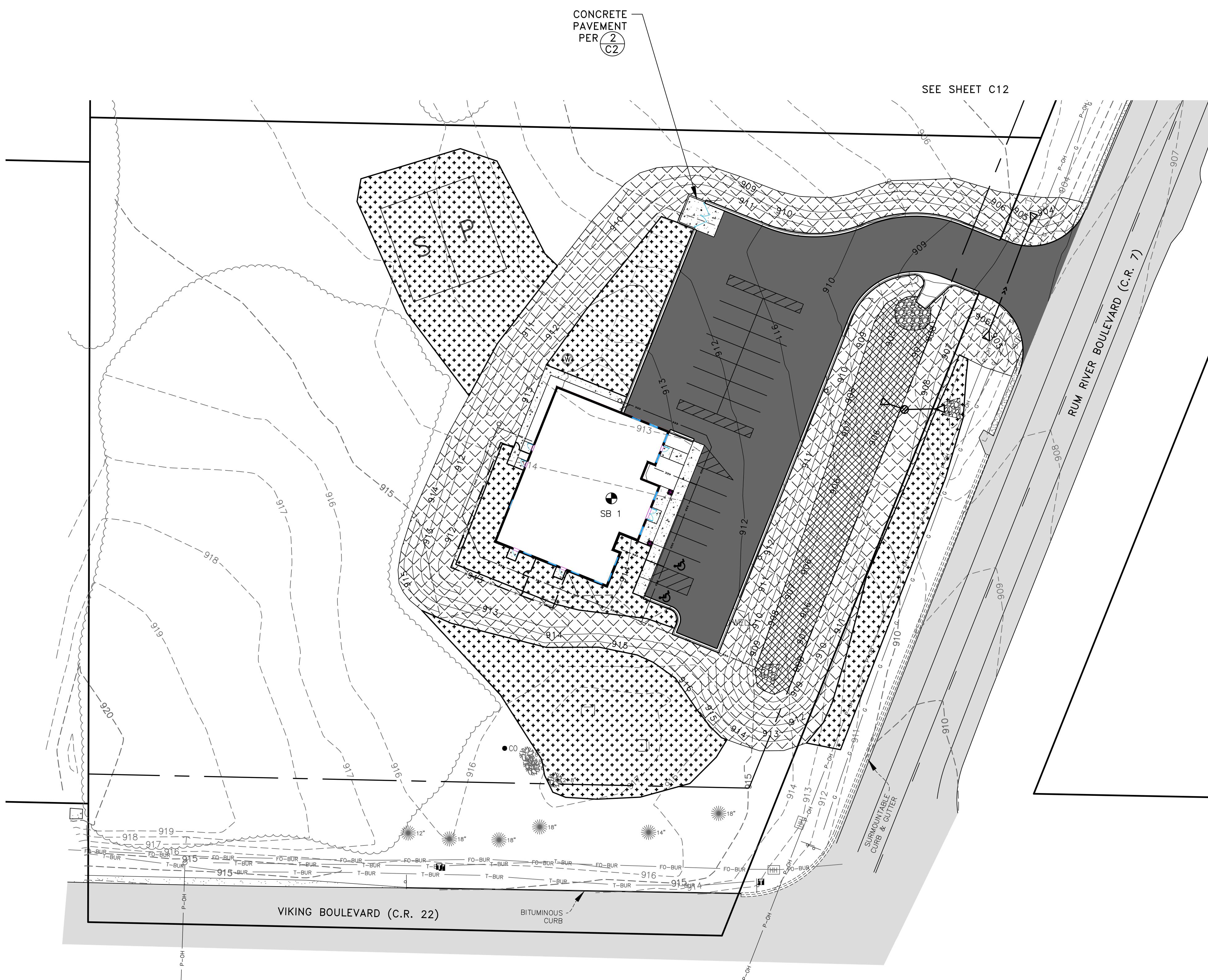
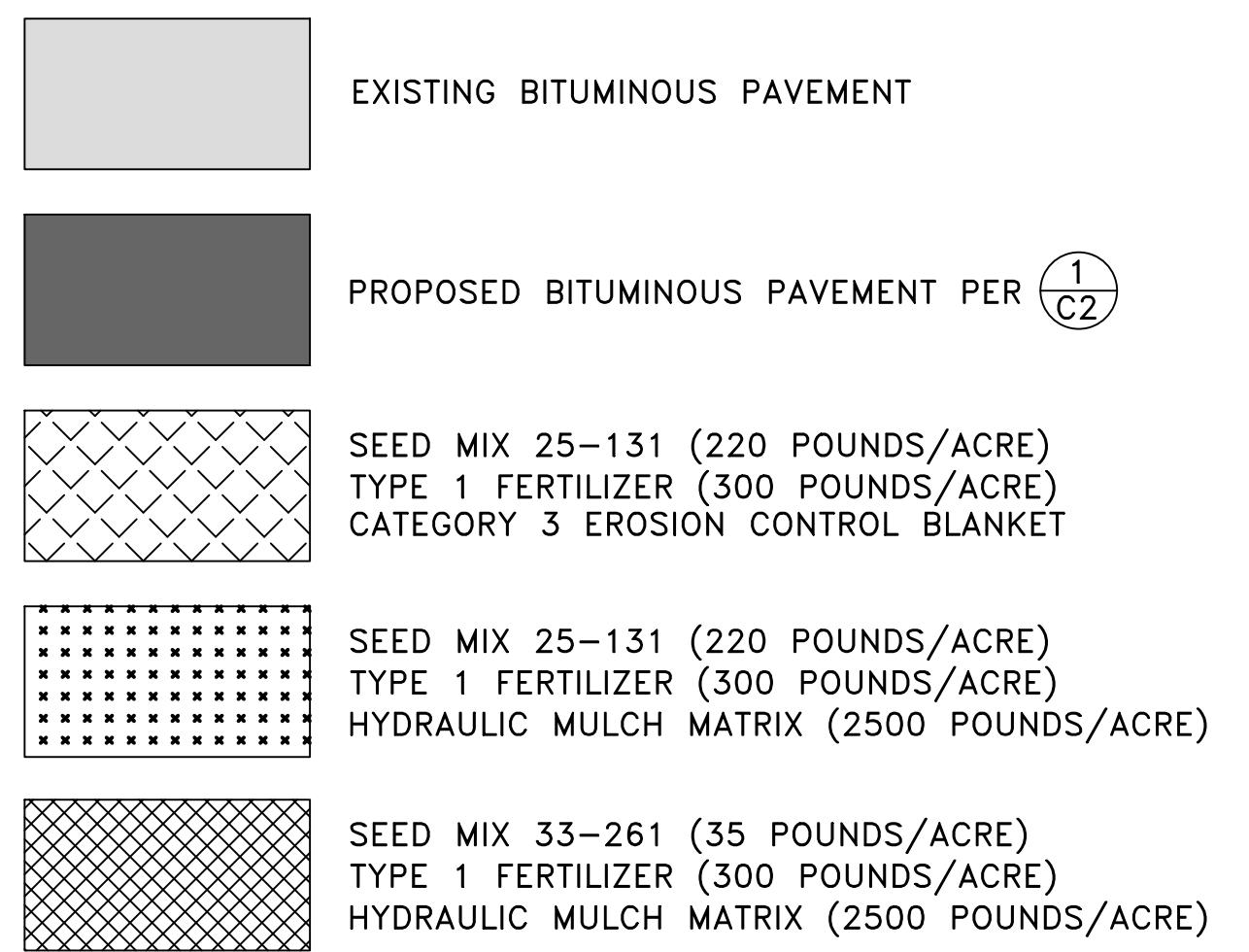
1. SEWER AND WATER SERVICE LOCATIONS TO BE DETERMINED BY THE OWNER.
2. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO RELOCATE OR SALVAGE AND REINSTALL THEIR FACILITIES AS NECESSARY TO COMPLETE CONSTRUCTION.
3. SEE SHEET C13 FOR THE RUM RIVER BOULEVARD TRAFFIC CONTROL PLAN.
4. PIPE BEDDING SHALL BE PER $\frac{1}{C5}$.
5. VERIFY LOCATION OF DOWNSPOUTS PRIOR TO CONSTRUCTION OF THE 8" PVC PIPE DRAIN.

REFERENCE NOTES:

- ① CONSTRUCT POND OUTLET STRUCTURE AND WEIR WALL PER $\frac{2}{C3}$.
- ② APRON SHALL INCLUDE A TRASH GUARD PER $\frac{4}{C5}$.
- ③ TIE ALL PIPE JOINTS PER $\frac{2}{C5}$.
- ④ CONSTRUCT CLEANOUT PER $\frac{7}{C2}$.



LEGEND





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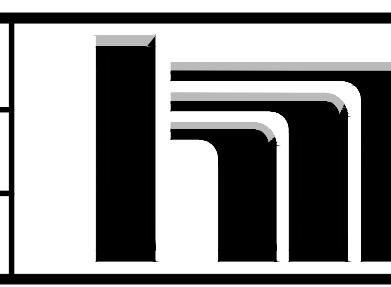
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TIMOTHY A. EGGERNS, P.E.
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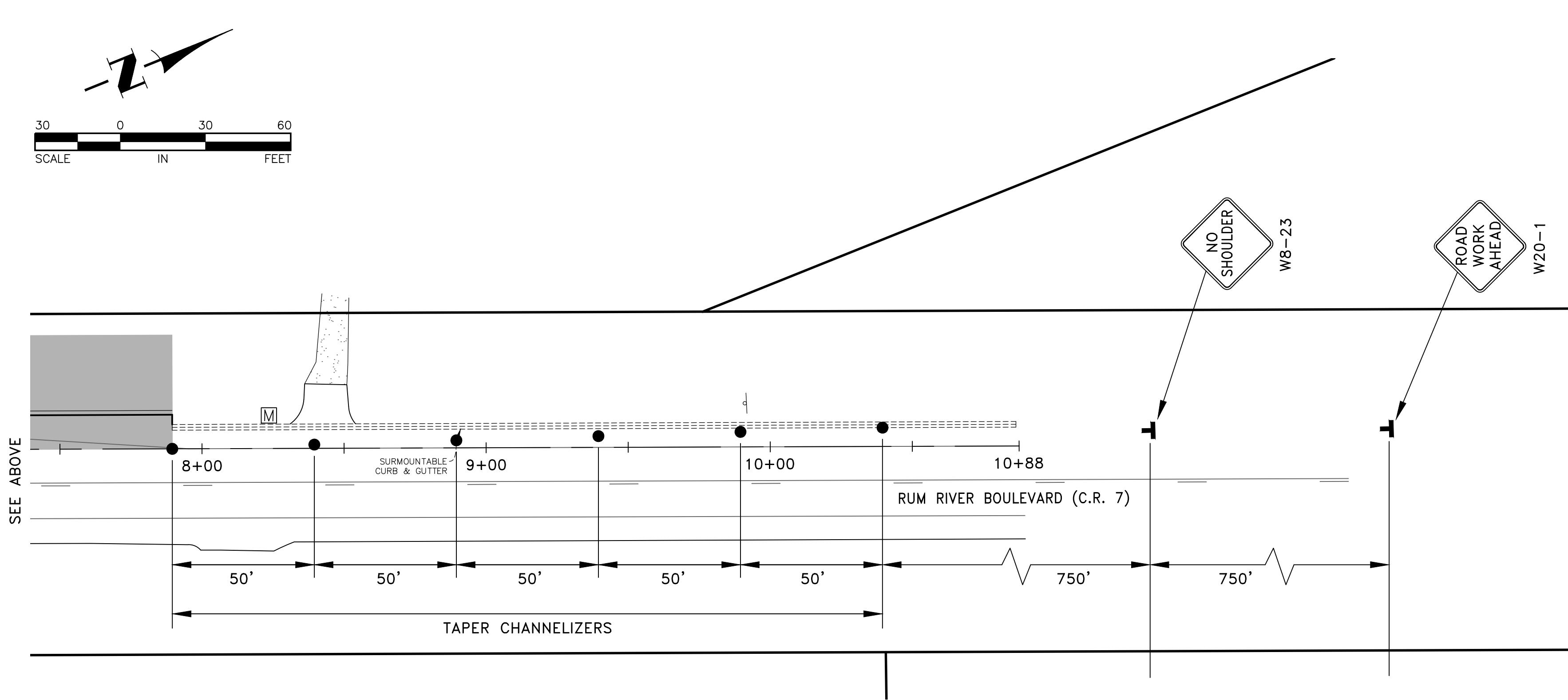
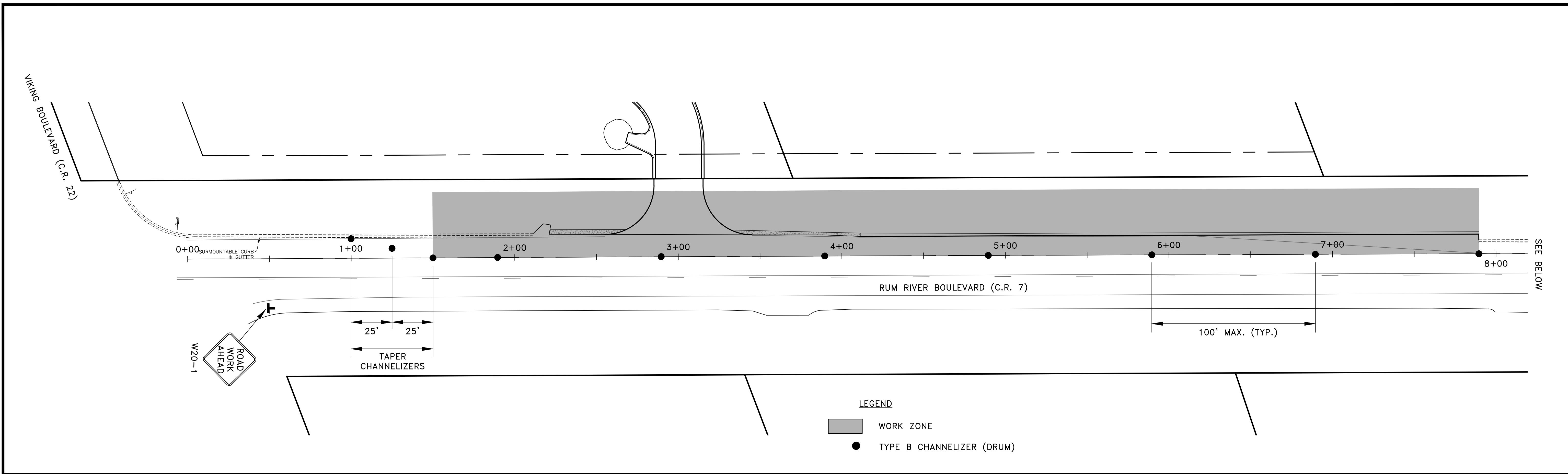


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DEJA'S DOGGIE DAYCARE

RESTORATION PLAN
RUM RIVER BOULEVARD (C.R. 7)
CITY OF OAK GROVE, MINNESOTA

SHEET
C12
OF
C16
SHEETS



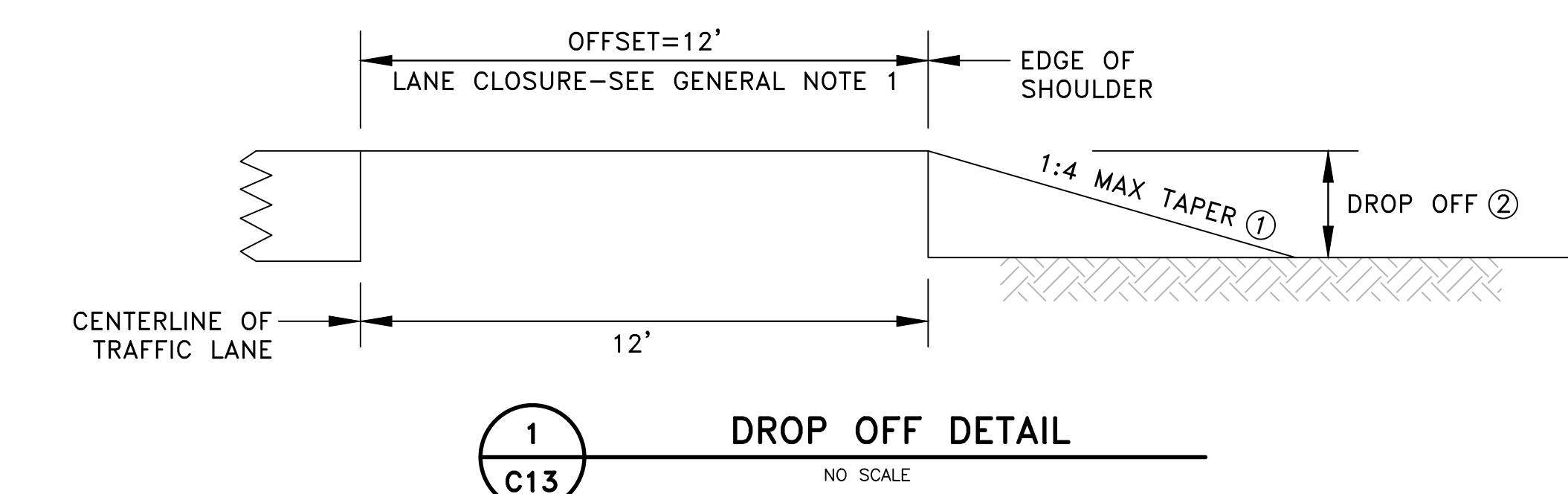
GENERAL NOTES:

1. EXCEPT AS MODIFIED BY THIS PLAN, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH LAYOUT 8 OF THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL. CONTRACTOR SHALL ALSO PROVIDE SIGNS PER FIGURE 6K-7 OF MINNESOTA TEMPORARY TRAFFIC CONTROL FIELD MANUAL FOR LONGITUDINAL DROP-OFF. NO DROP-OFF WILL BE ALLOWED TO REMAIN OVER NIGHT. WHEN CONTRACTOR IS PERFORMING WORK ON THE RIGHT TURN LANE, THE CONTRACTOR SHALL CLOSE THE ADJACENT THROUGH LANE AND PROVIDE TWO FLAGGERS PER LAYOUT 16. CLOSURES ARE ONLY ALLOWED BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. PRIOR TO REMOVING FLAGGERS, THE CONTRACTOR SHALL PROVIDE A 1:4 TAPER CONSTRUCTED OF COMPAKED CLASS 5 AGGREGATE BASE AT ALL DROP-OFFS. SEE [1](#) FOR ADDITIONAL INFORMATION. [C13](#)

2. ALL TRAFFIC CONTROL FOR RUM RIVER BOULEVARD (C.R. 7) WILL BE PERMITTED THROUGH THE ANOKA COUNTY HIGHWAY DEPARTMENT. CONTRACTOR SHALL SUBMIT THE REQUIRED PERMIT APPLICATION MATERIALS TO THE ANOKA COUNTY HIGHWAY DEPARTMENT A MINIMUM OF TWO WEEKS PRIOR TO WORKING IN THE COUNTY RIGHT-OF-WAY.

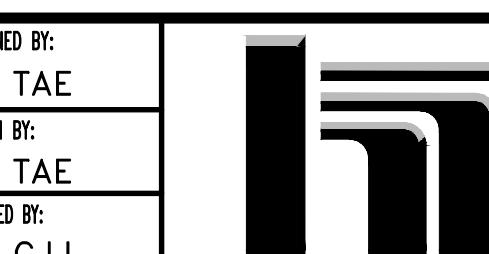
REFERENCE NOTES:

- ① CONSTRUCT TAPER PRIOR TO OPENING THE TRAVEL LANE WHICH IS ADJACENT TO THE SHOULDER BEING WORKED ON.
- ② WHEN THE ADJACENT LANE IS CLOSED, THE MAXIMUM ALLOWABLE DROP OFF SHALL BE 36 INCHES. WHEN THE ADJACENT LANE IS REOPENED, THE MAXIMUM DROP OFF SHALL BE 12 INCHES.



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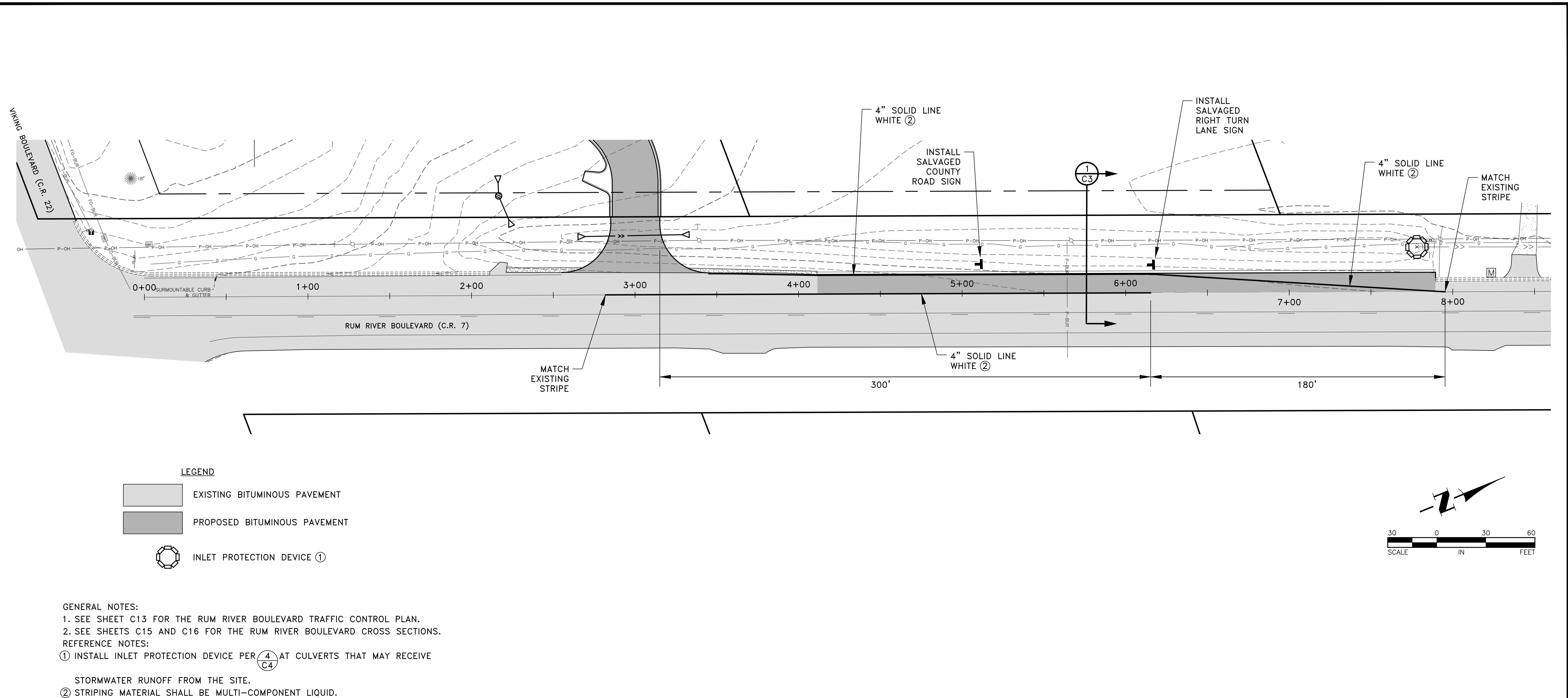


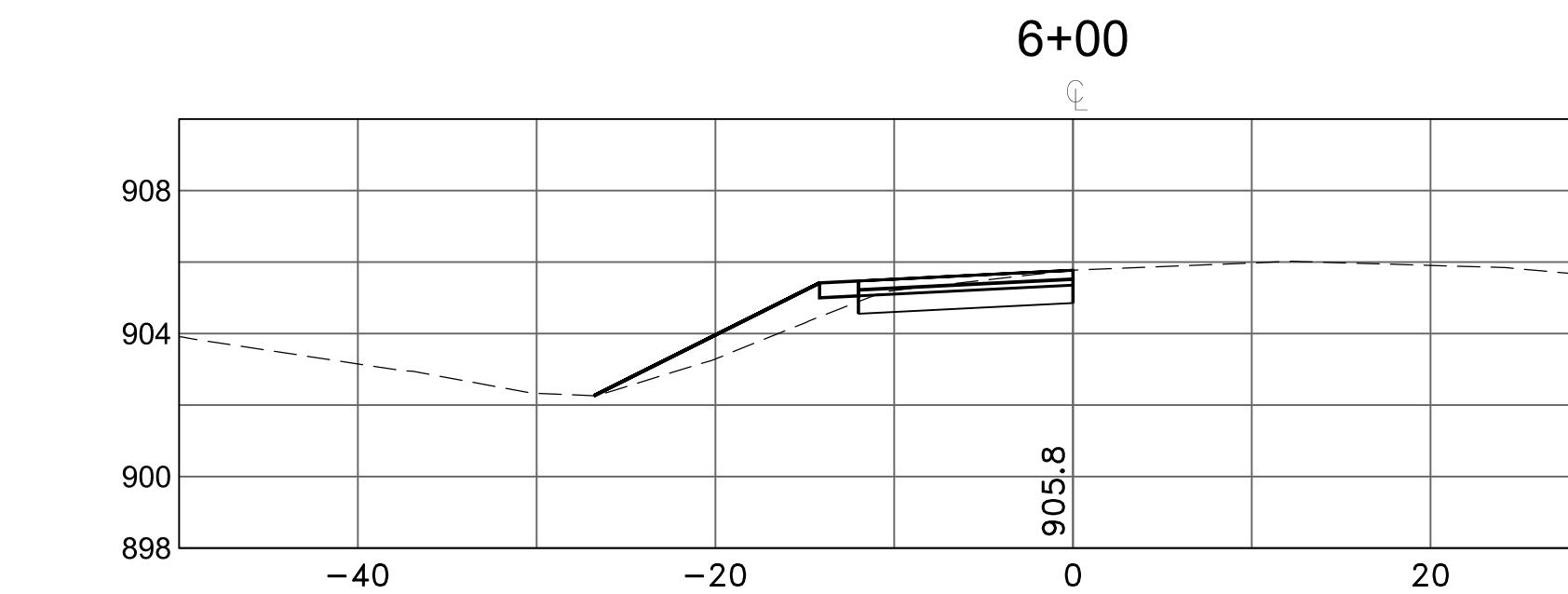
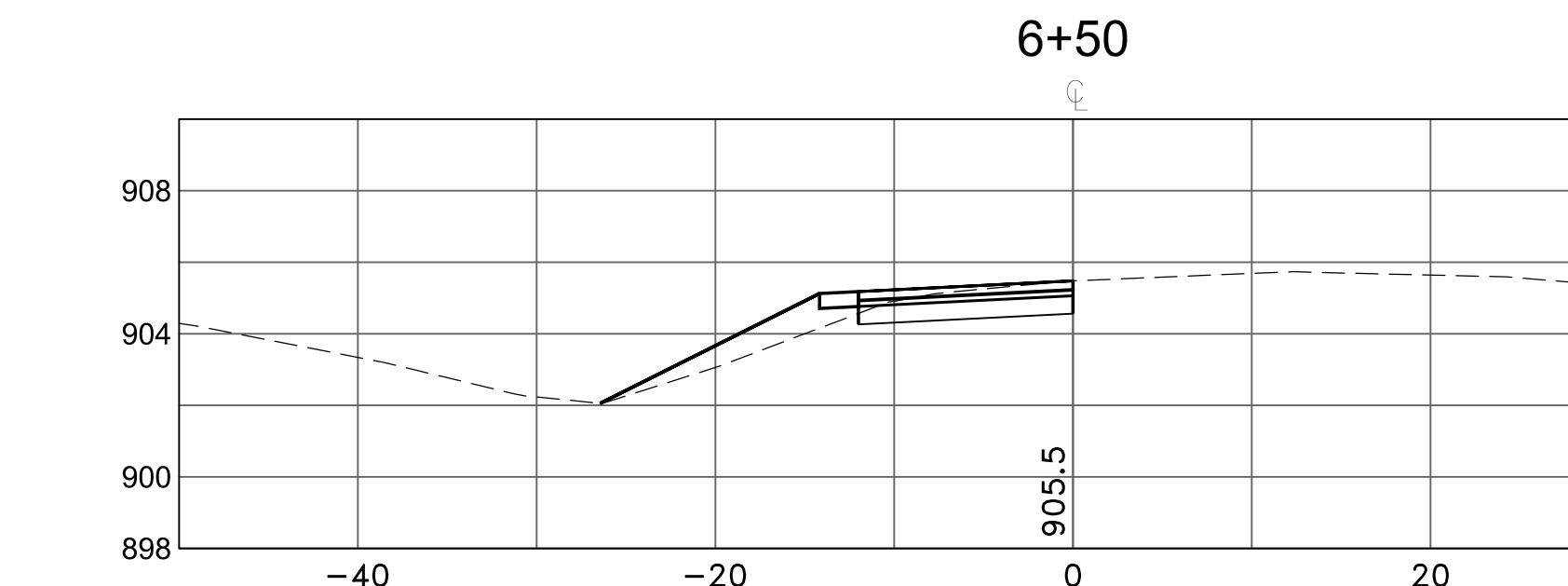
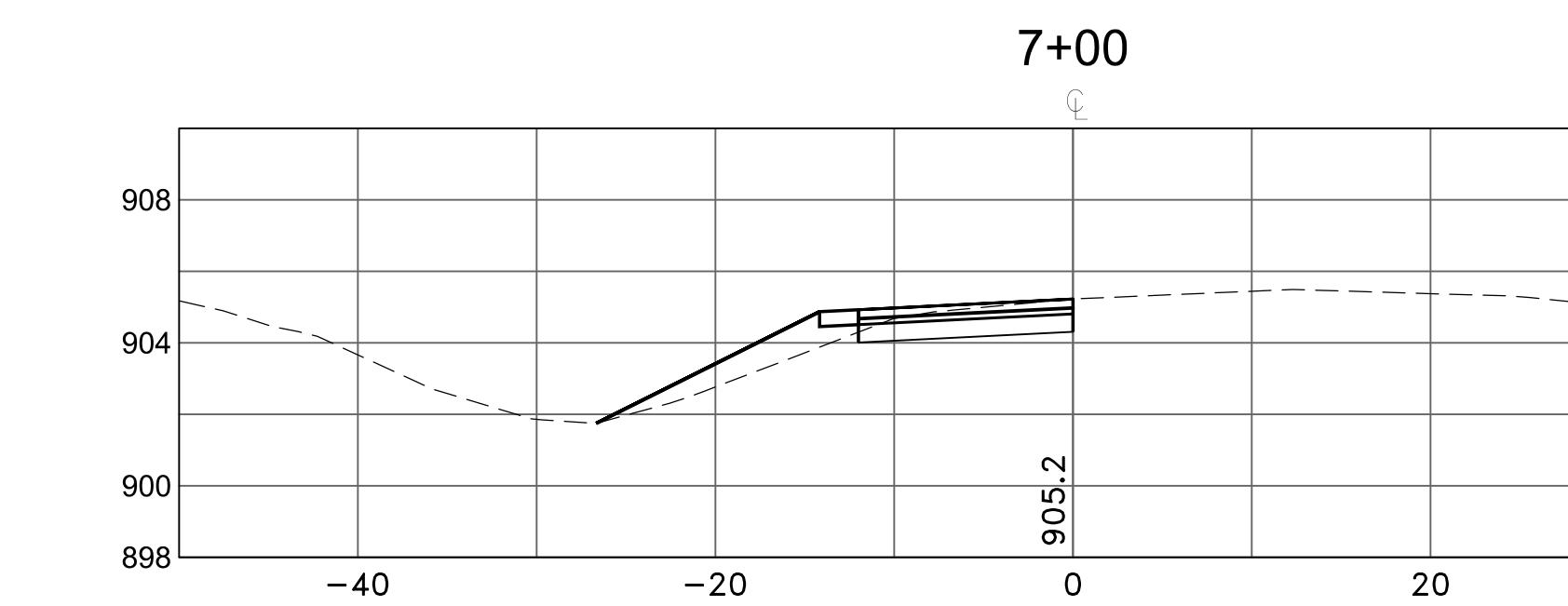
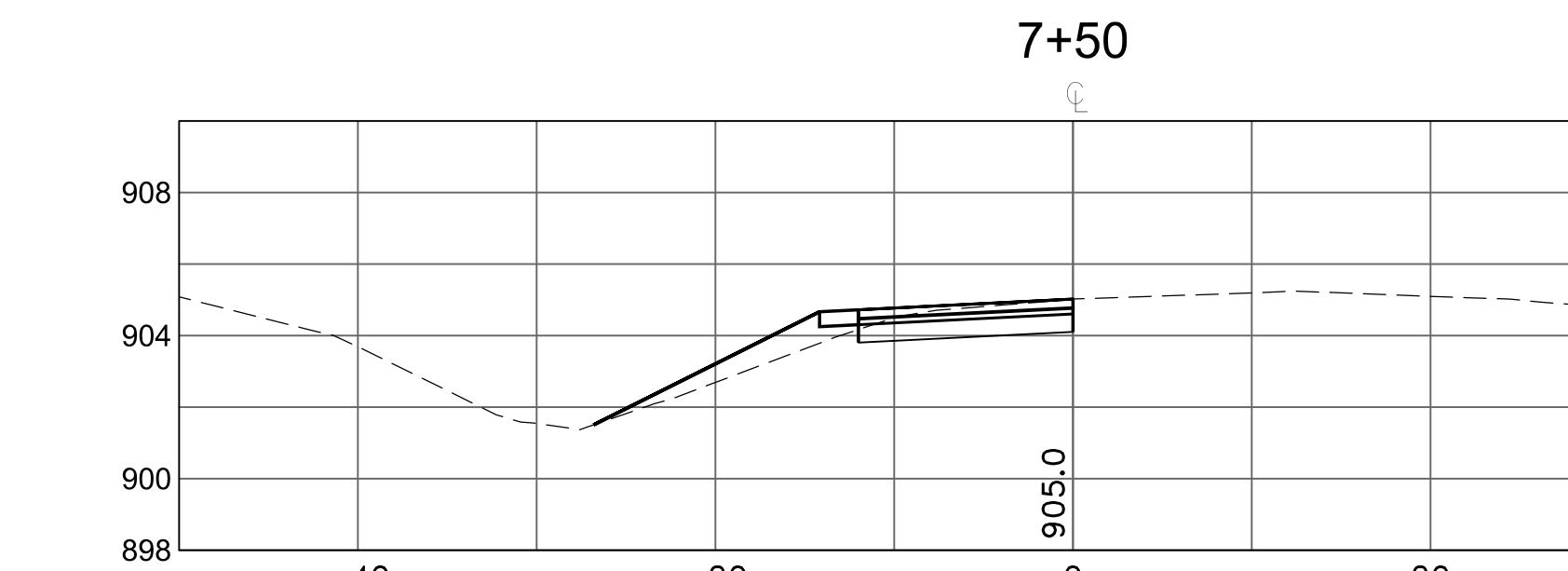
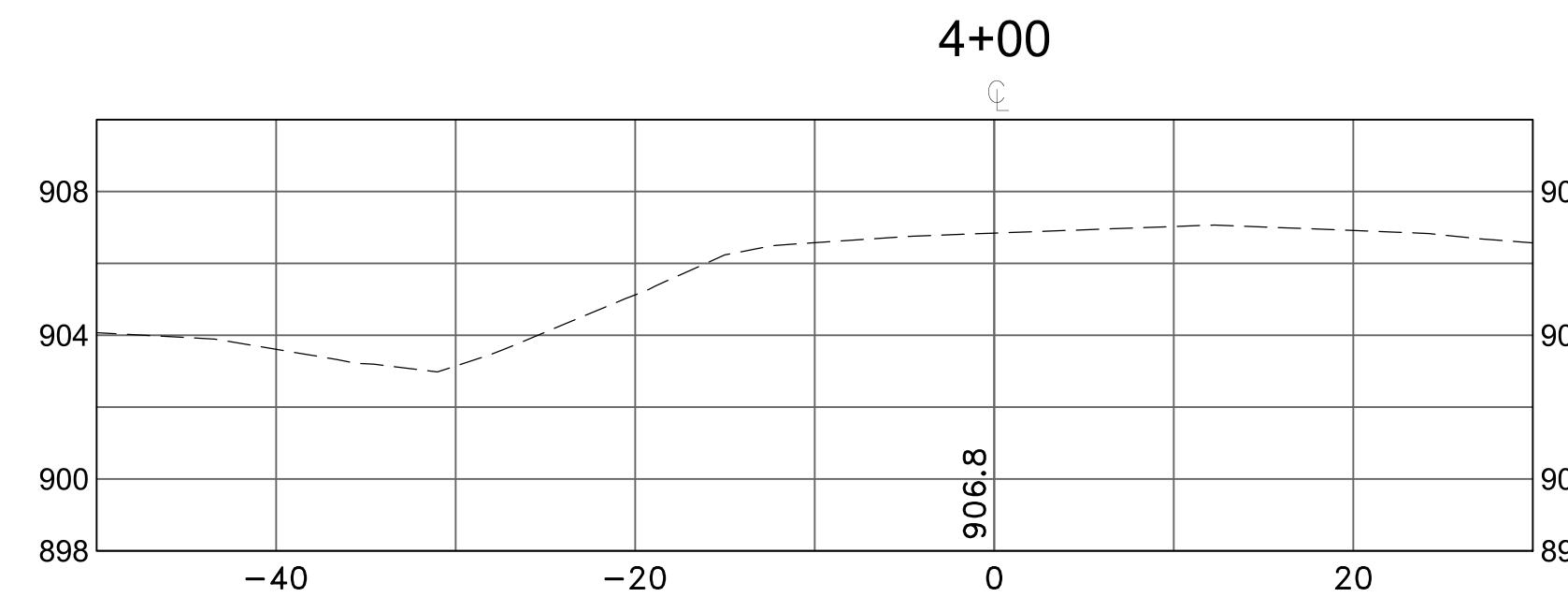
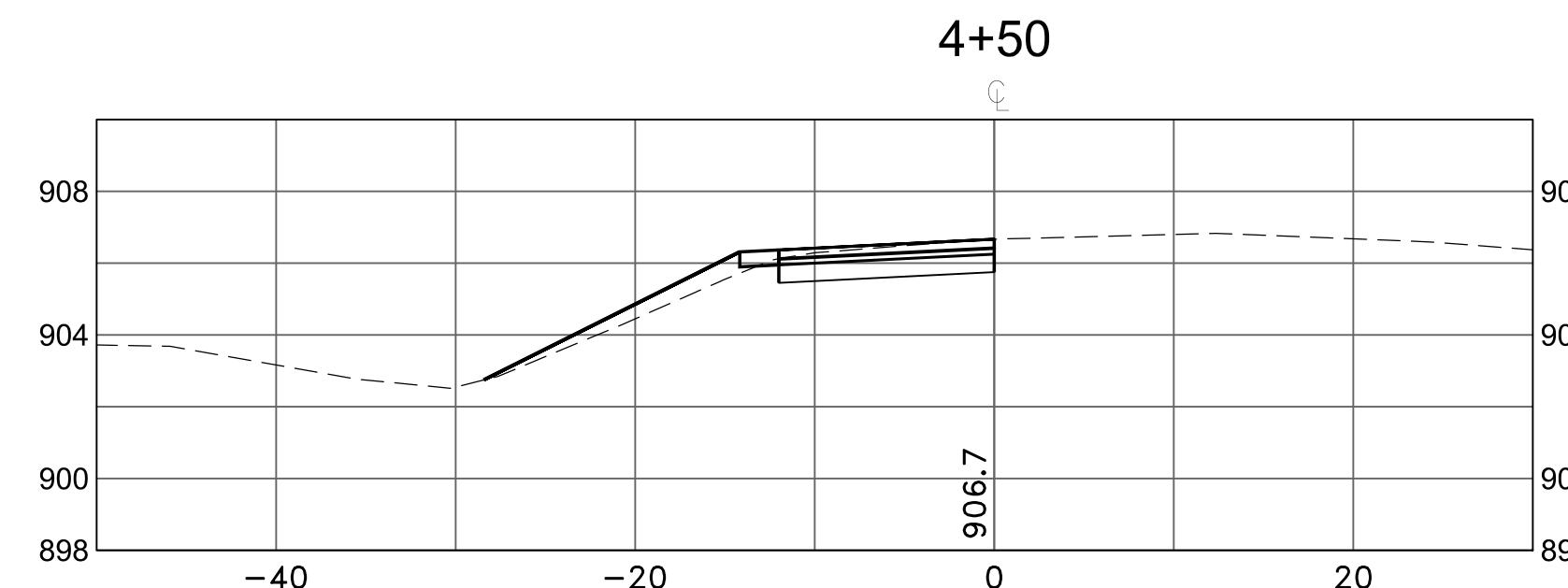
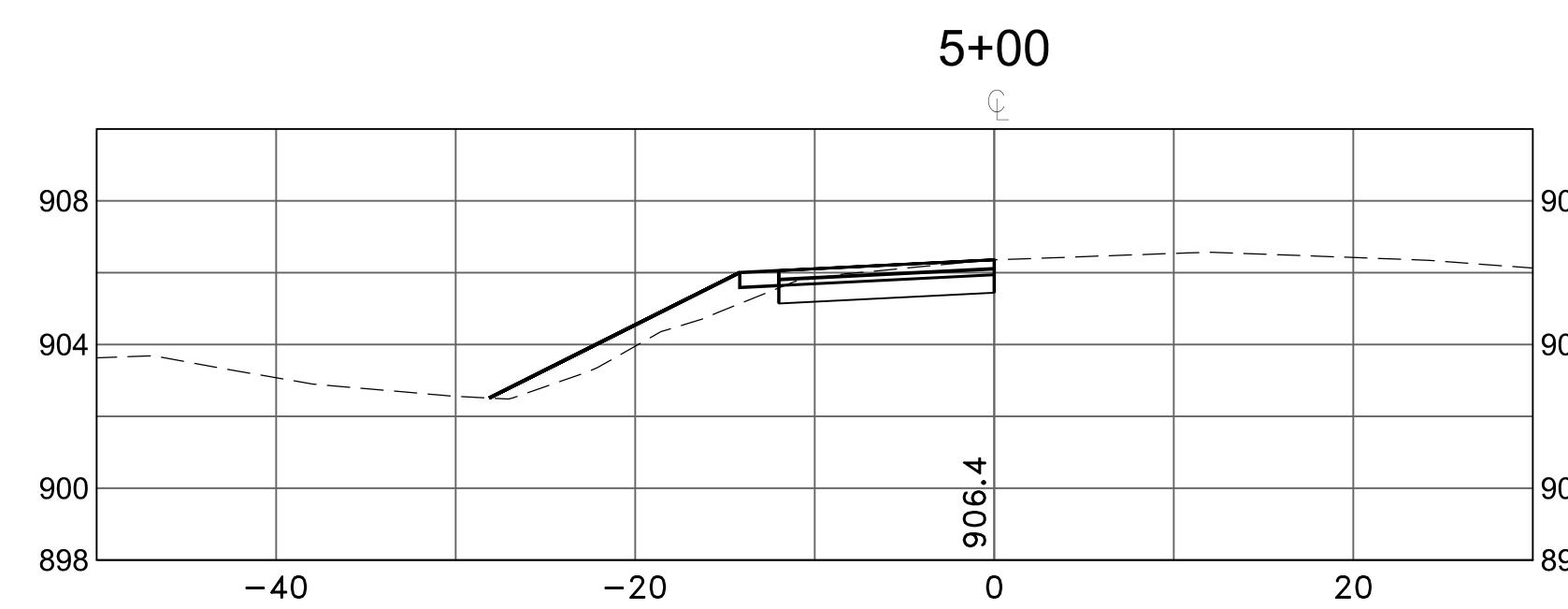
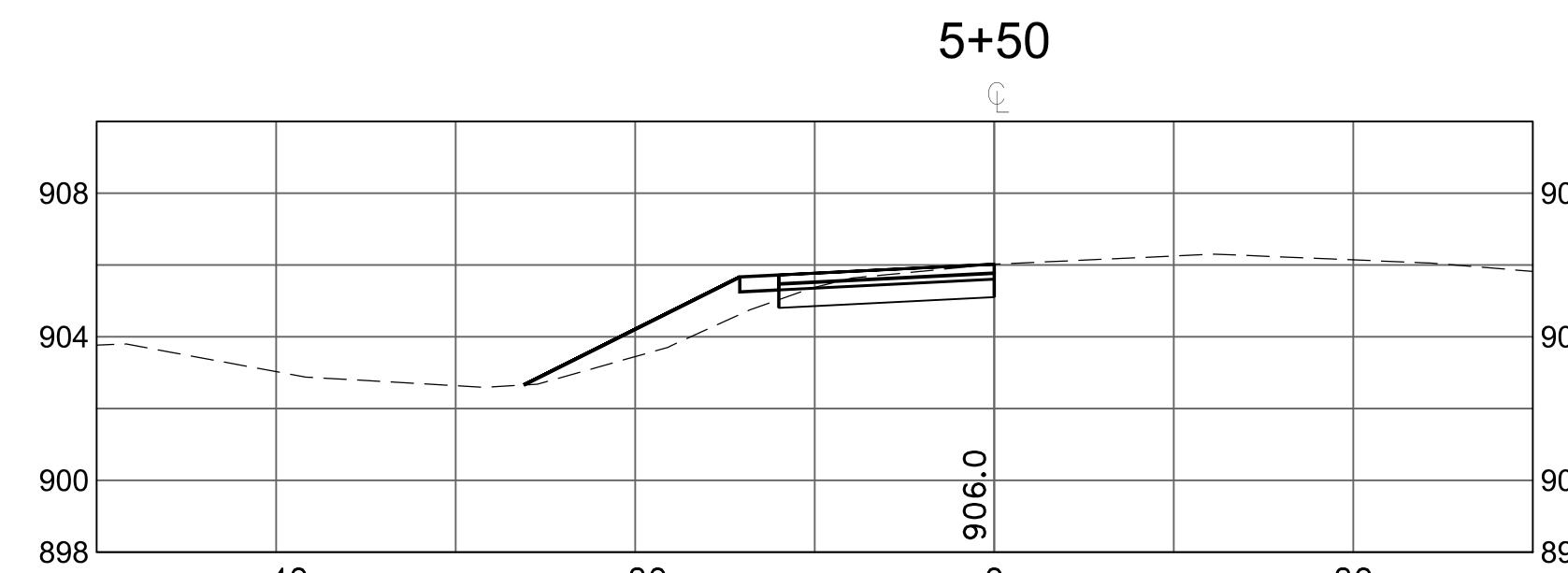
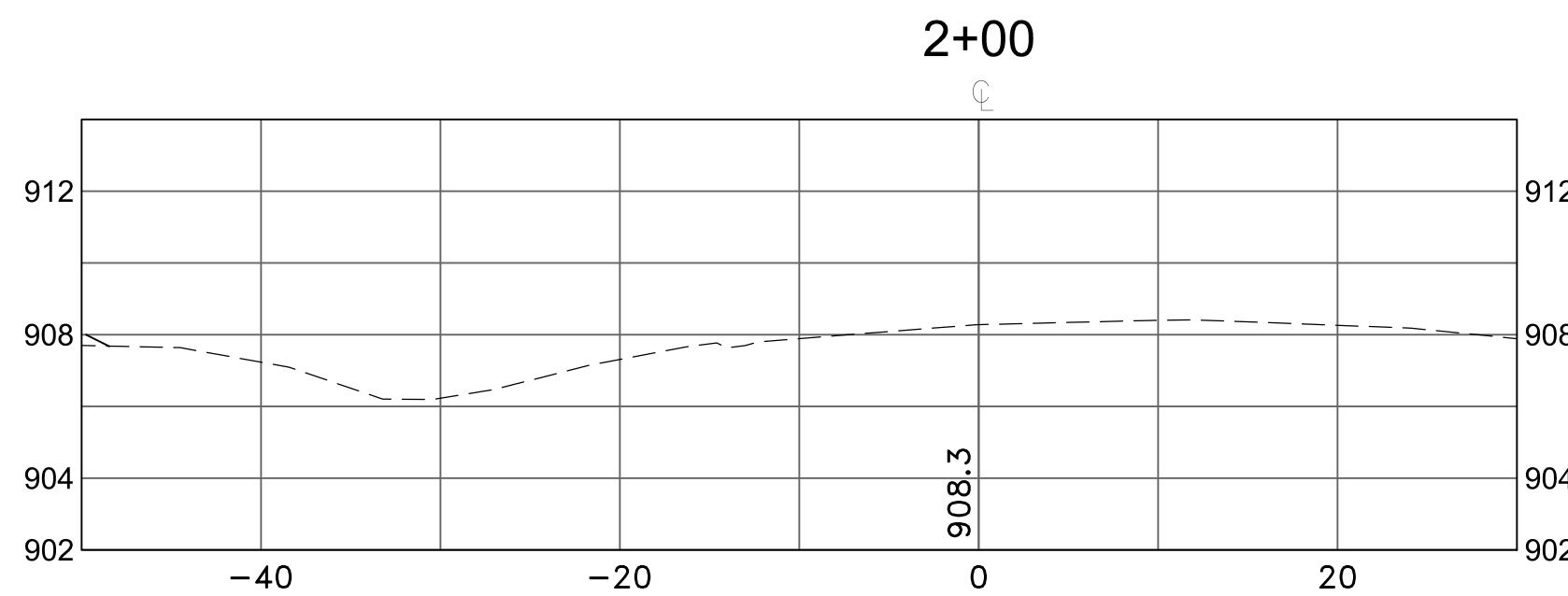
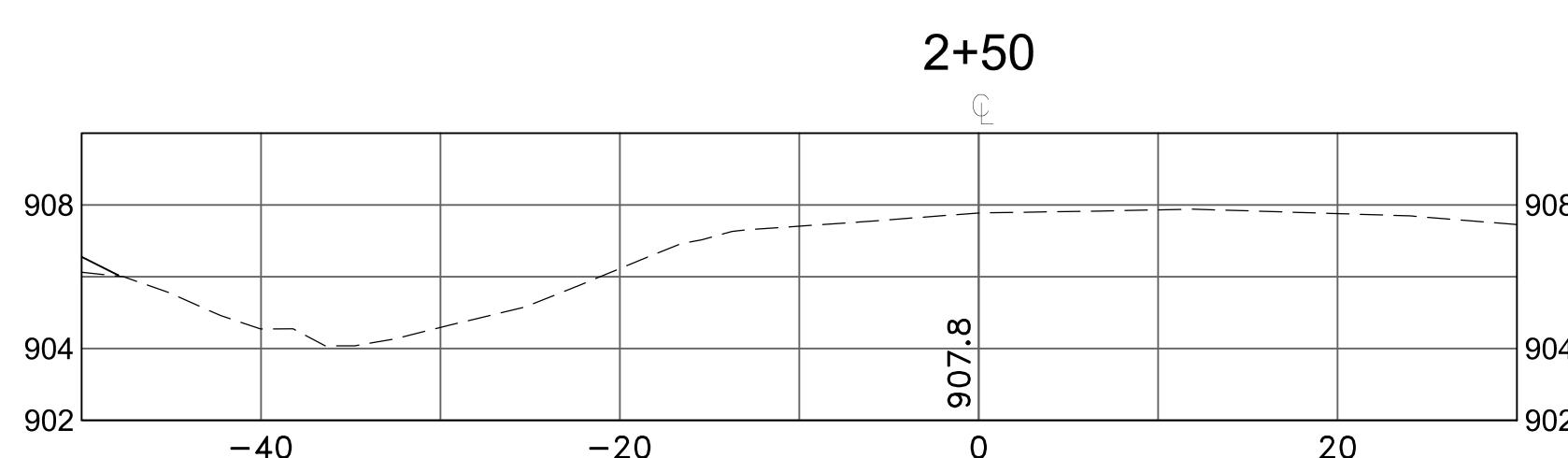
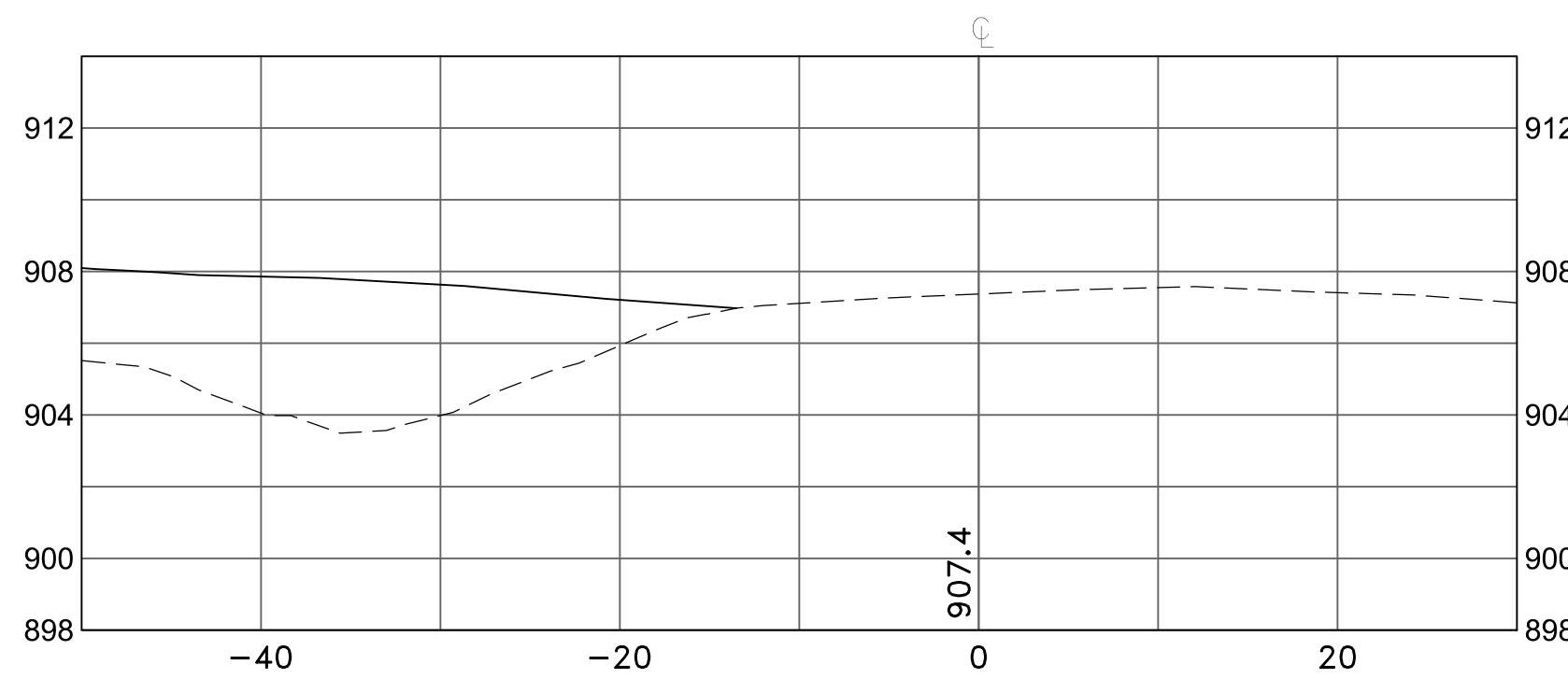
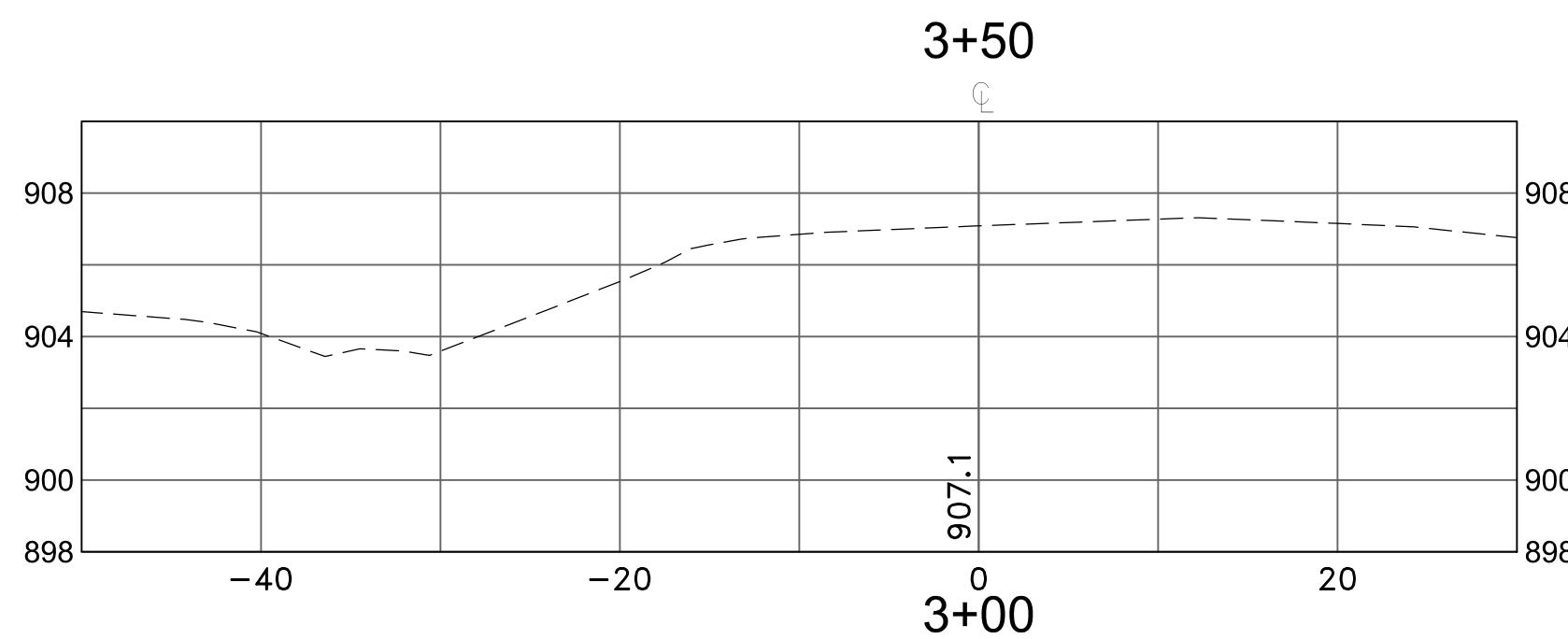
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TRAFFIC CONTROL PLAN
RUM RIVER BOULEVARD (C.R. 7)
CITY OF OAK GROVE, MINNESOTA

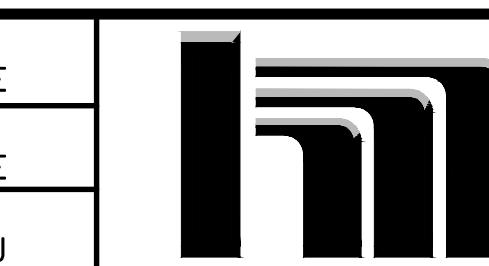
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DATE	REVISION
10/1/20	ISSUED FOR REVIEW

DESIGNED BY:
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TAE
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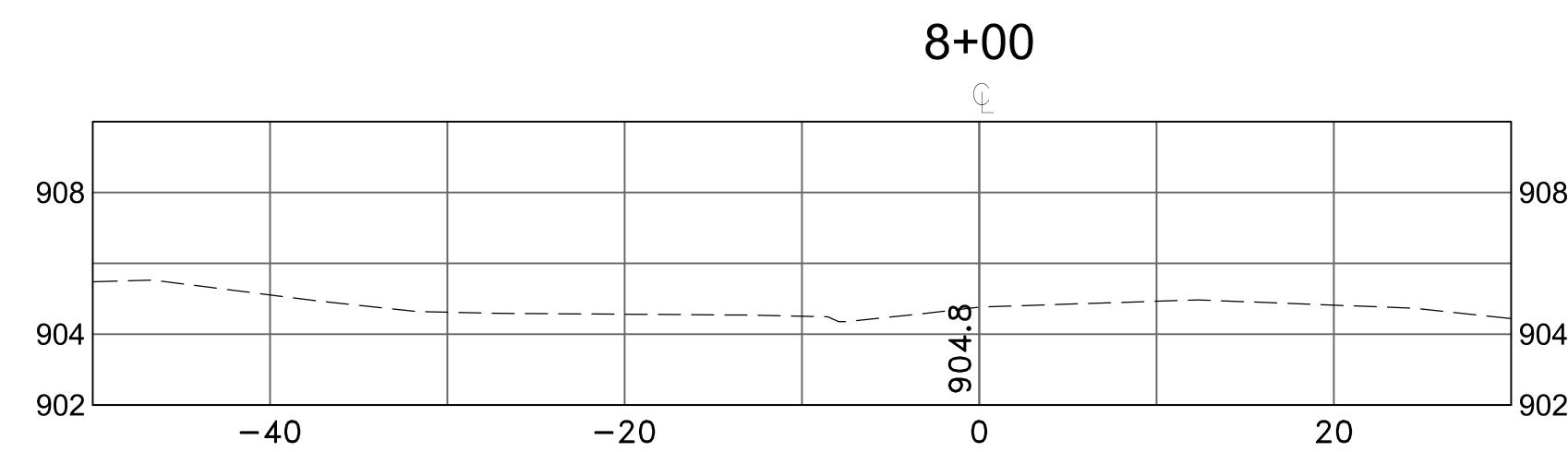
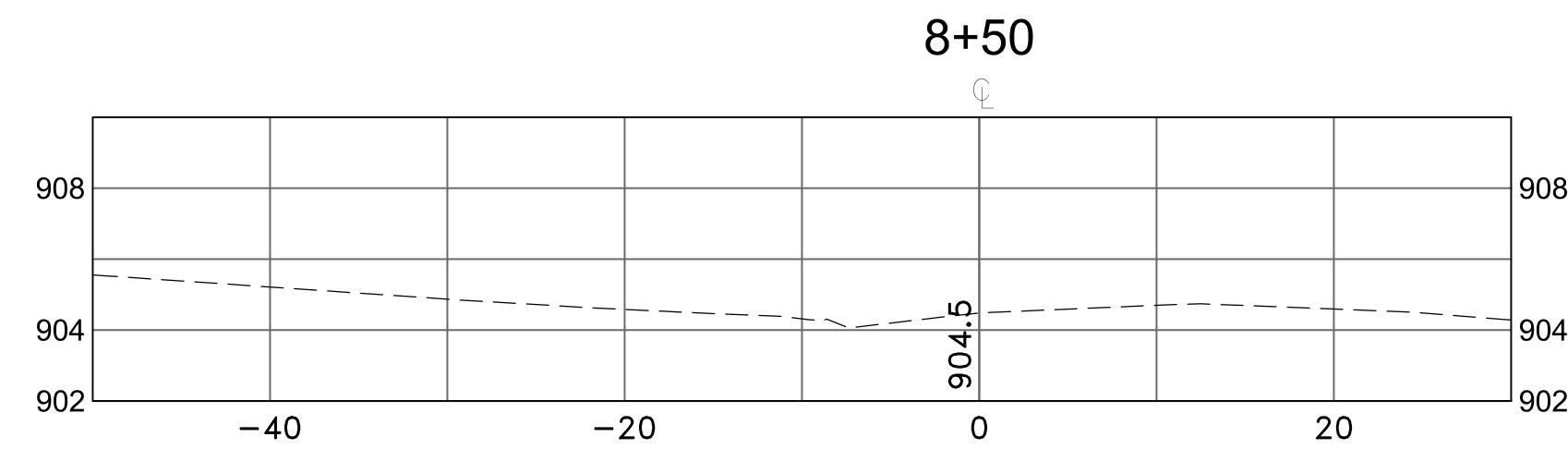
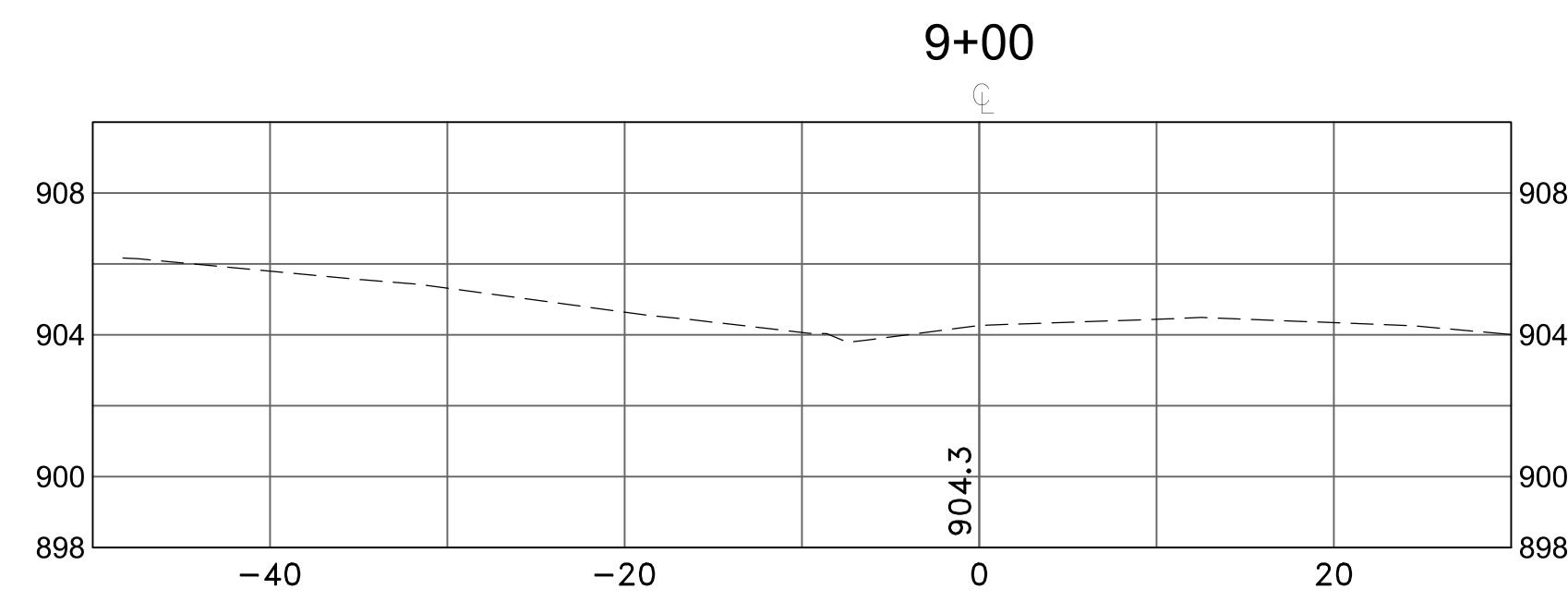


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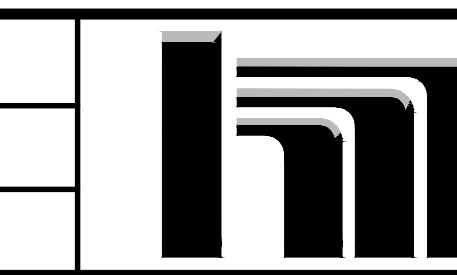
CROSS SECTIONS
RUM RIVER BOULEVARD (C.R. 7)
CITY OF OAK GROVE, MINNESOTA

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