CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

PUBLIC IMPROVEMENT PROJECT APPROVED

JULY 24, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 4/23/19

STORM WATER MANAGEMENT DESIGNED BY:

SEE INDIVIDUAL SHEETS

INDEX OF SHEETS

SHEET NO.	1	BASIN LAYOUT PLAN
SHEET NO.	2	DETENTION POND & INFILTRATION BASIN DETAIL

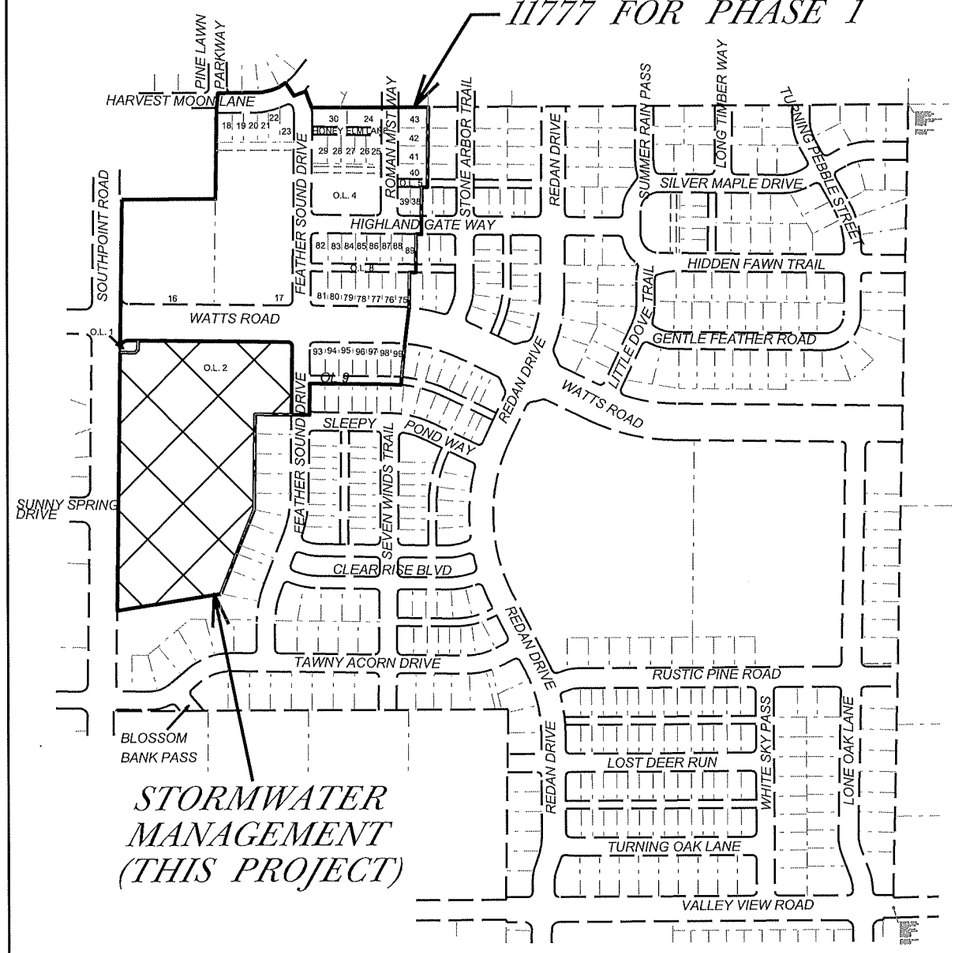
ACACIA RIDGE: STORM WATER MANAGEMENT IMPROVEMENTS

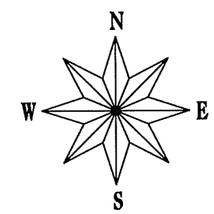
CITY PROJECT NO. 11936

CITY CONTRACT NO. 8199

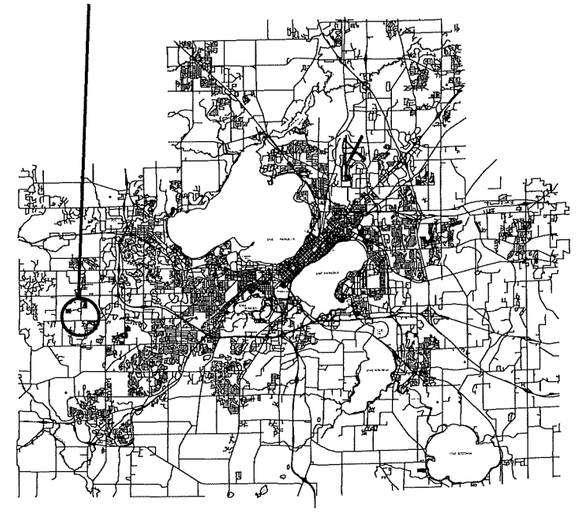
MUNIS NO. 11936

SEE PROJECT NO. 11777 FOR PHASE 1





PROJECT LOCATION



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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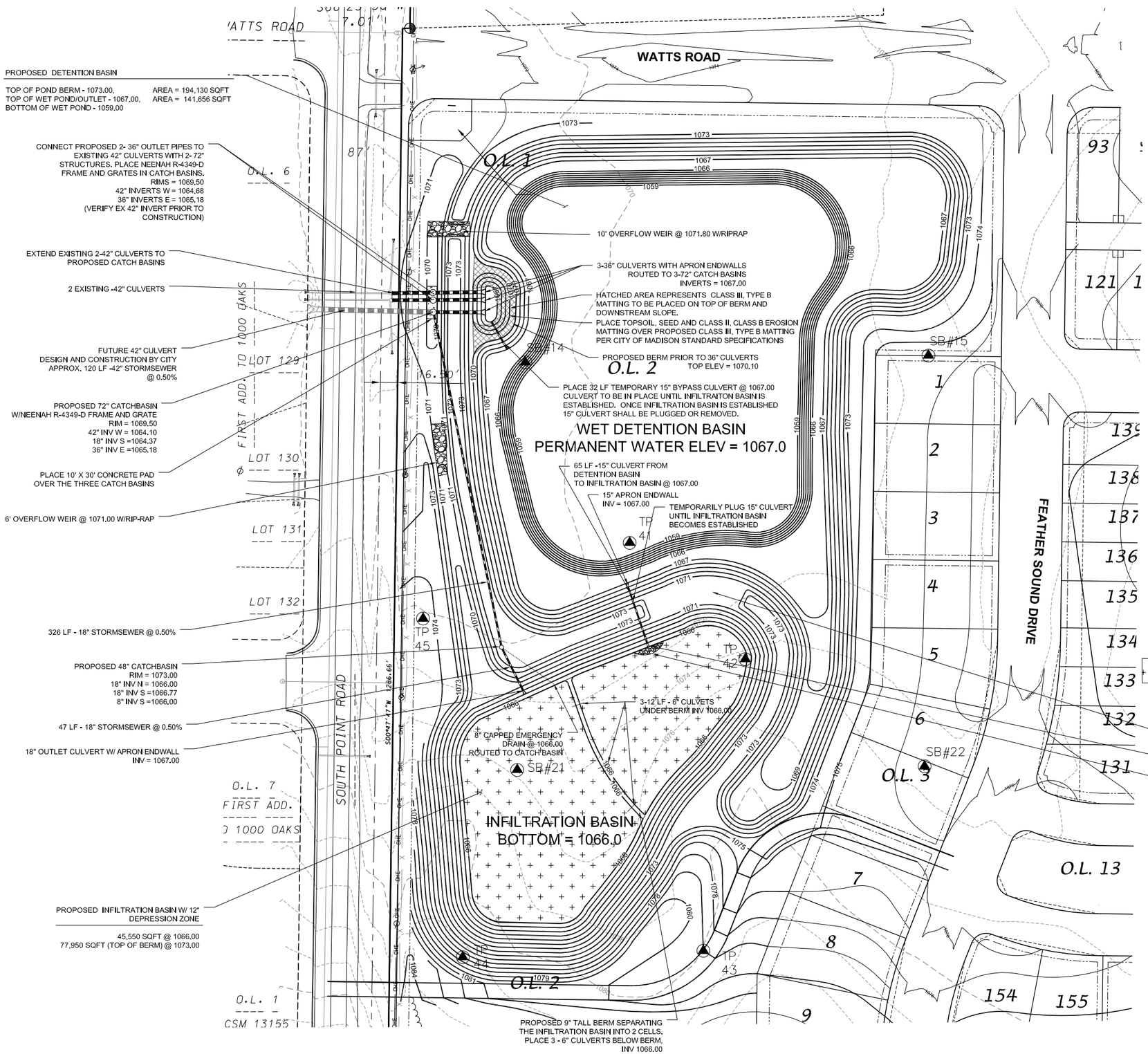
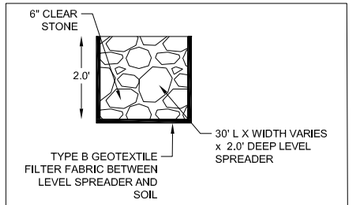
DATE: 4/10/2019





LEVEL SPREADER DETAIL

GENERAL NOTES:

1. ALL SITE WORK AND MATERIALS SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
2. EROSION CONTROL MEASURES SHALL BE PLACED PER THE APPROVED EROSION CONTROL PLAN.
3. LENGTHS OF CULVERTS INCLUDE ENDWALLS.
4. CULVERT LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION TO ENSURE THAT THEY ARE LONG ENOUGH TO CONFORM TO TYPICAL CROSS SECTION.
5. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL, FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE PER THE CITY OF MADISON REQUIREMENTS. FERTILIZER SHALL BE PLACED PER A SOIL TEST. THE INFILTRATION AREA SHALL BE SEEDED WITH A SEED MIX TOLERANT OF FLUCTUATING WATER CONDITIONS.
6. ENGINEERED SOIL IN INFILTRATION BASIN SHALL BE 70-85% SAND & 15-30% COMPOST
7. SEE APPROVED ENGINEERING PLANS FOR SITE STORM SEWER TYPE, LENGTHS, AND SIZES
8. A CERTIFIED SOIL INSPECTOR SHALL CERTIFY THAT THE PROPOSED SOILS TO BE USED FOR THE INFILTRATION BASIN BACKFILL LAYER HAS THE NFILTRATION RATE REQUIRED PRIOR TO BACKFILLING. CLEAN SAND OR CLEAR STONE MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL.
9. THE EMERGENCY DRAWDOWN PIPE IN THE INFILTRATION BASIN MAY BE OPEN TO ALLOW FOR RESTORATION UNTIL FINAL INFILTRATION BASIN RESTORATION OCCURS.

HATCH INDICATES INFILTRATION BASIN BOTTOM AREA. THIS AREA SHALL BE SEEDED WITH A NATIVE SEED MIX TOLERANT OF FLUCTUATING WATER CONDITIONS.

WISCONSIN
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04/05/19
PROFESSIONAL ENGINEER

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YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PROPOSED STORMWATER BASIN LAYOUT

ACACIA RIDGE

CITY OF MADISON, WISCONSIN

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DATE: 04/05/19
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DRAWN BY: GVP

FN: 15-04-112

Sheet Number:
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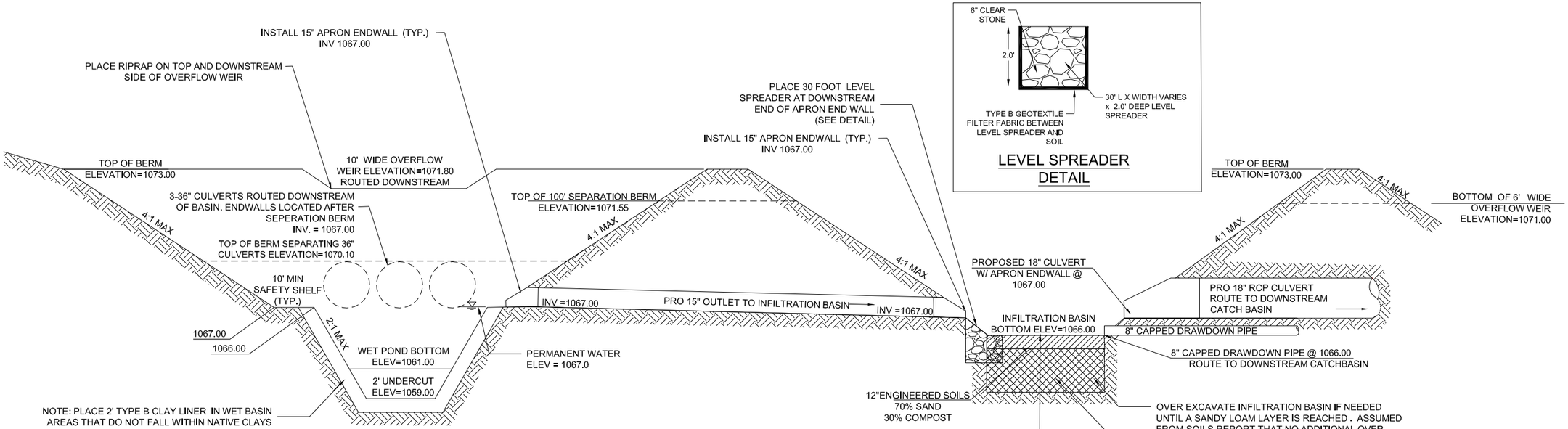
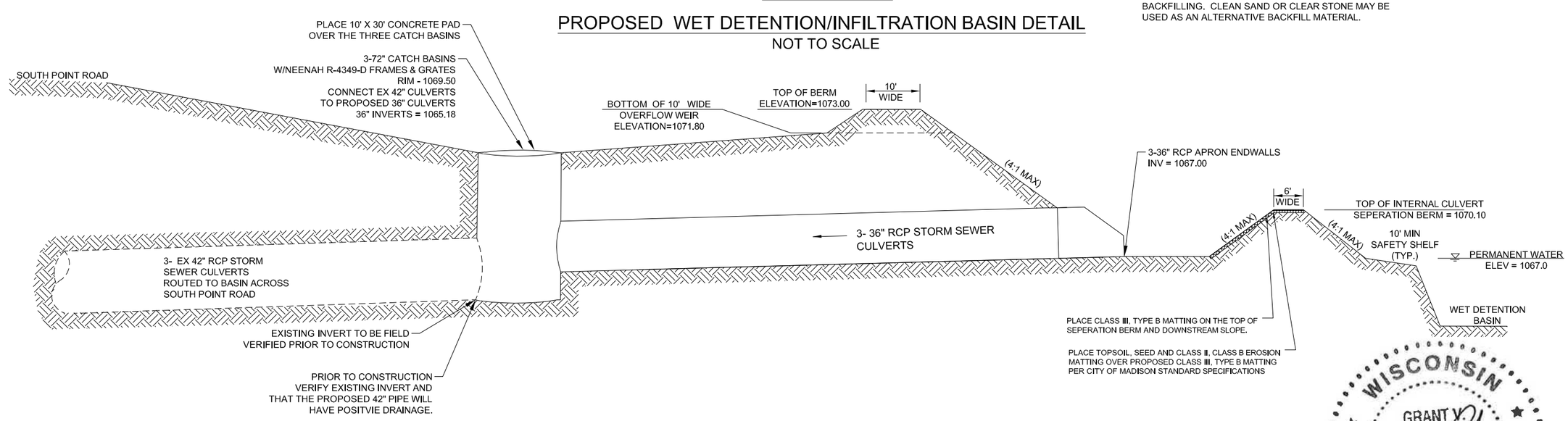


PROFILE VIEW

PROPOSED WET DETENTION/INFILTRATION BASIN DETAIL

NOT TO SCALE



PROFILE VIEW

PROPOSED WET DETENTION TO DOWNSTREAM CULVERTS DETAIL

NOT TO SCALE

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PROPOSED DETENTION POND & INFILTRATION BASIN DETAIL

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