## CITY OF MADISON

## CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

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EAGLE TRACE STORMWATER MANAGEMENT PLAN

CITY PROJECT NO. 11930

CITY CONTRACT NO. 8192

**PROJECT LOCATION**  PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 15, 2018

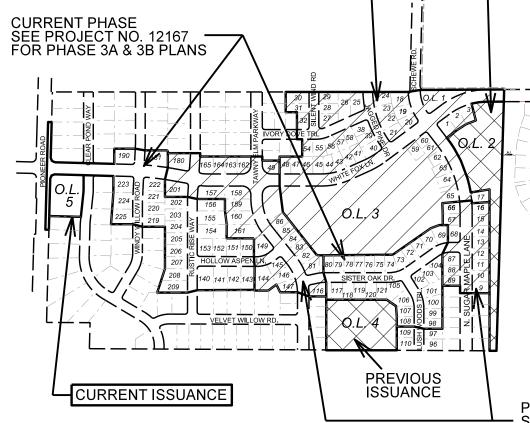
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

N- Greg Fries 8/4/2020

STORMWATER BASIN DESIGNED BY:

SEE INDIVIDUAL **SHEETS** 



=PREVIOUS PHASE



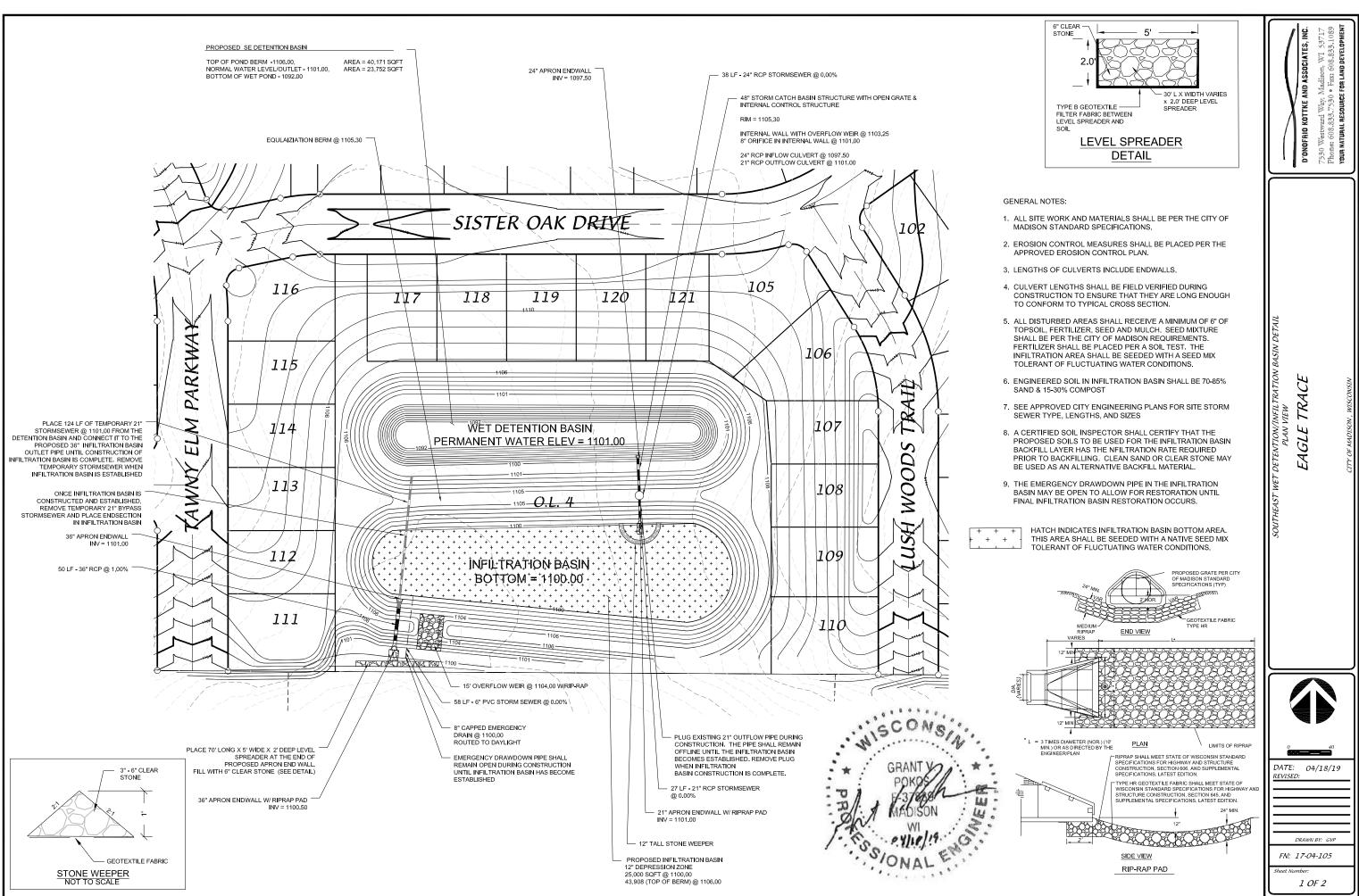
=PREVIOUS SWM PLAN ISSUANCE

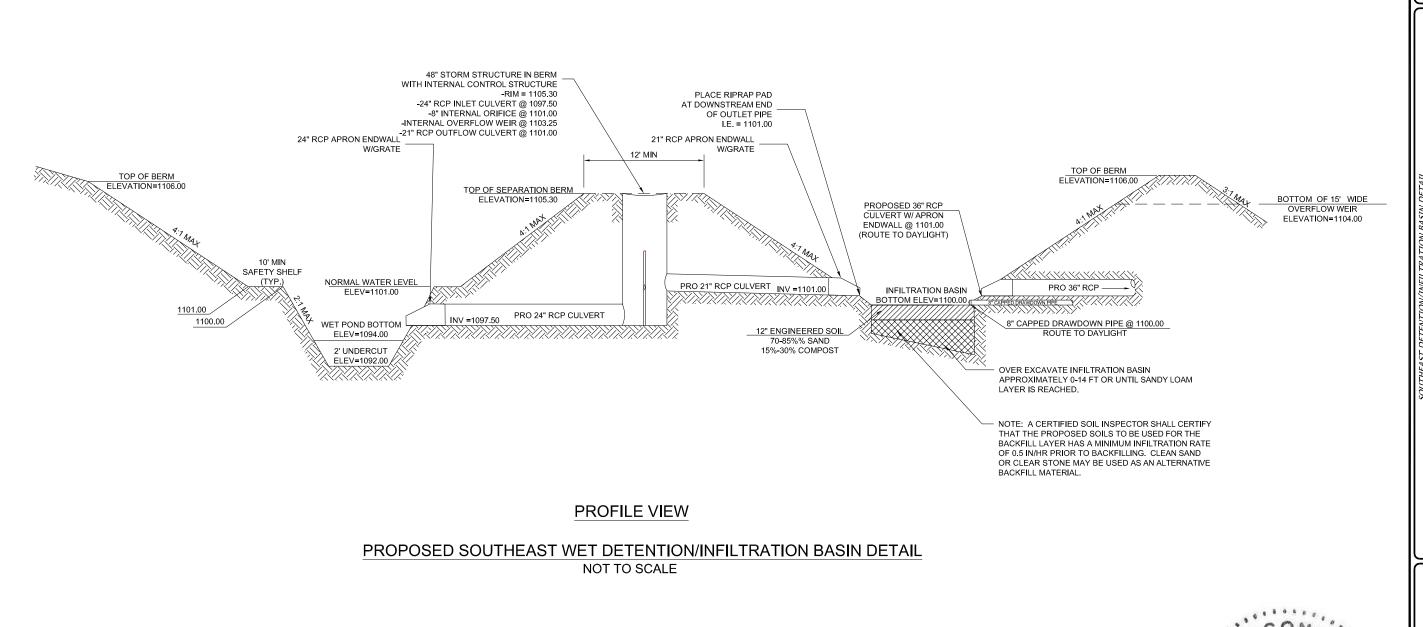
PREVIOUS PHASE SEE PROJECT NO. 11998 FOR PHASE 2 PLANS

**REVISION - 04/09/24** SHEETS 5 & 6 ADDED

FILE NAME: M:\DESIGN\Projects\11930\Pond\11930EN-D0 TitleShtPh3B.dgn

DATE: 8/4/2020



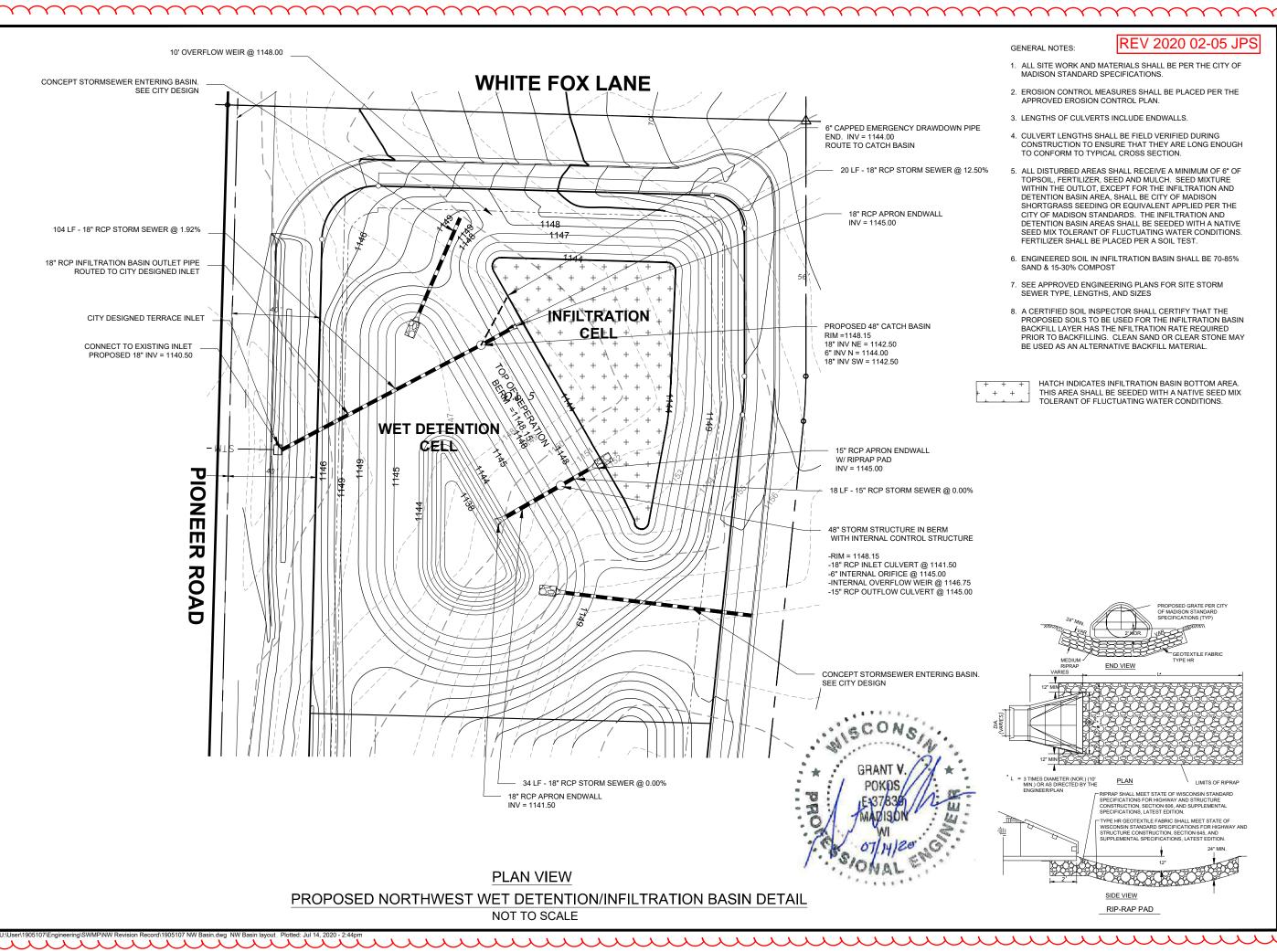


EAGLE

DATE: 04/18/19 REVISED:

FN: 17-04-105

2 of 2

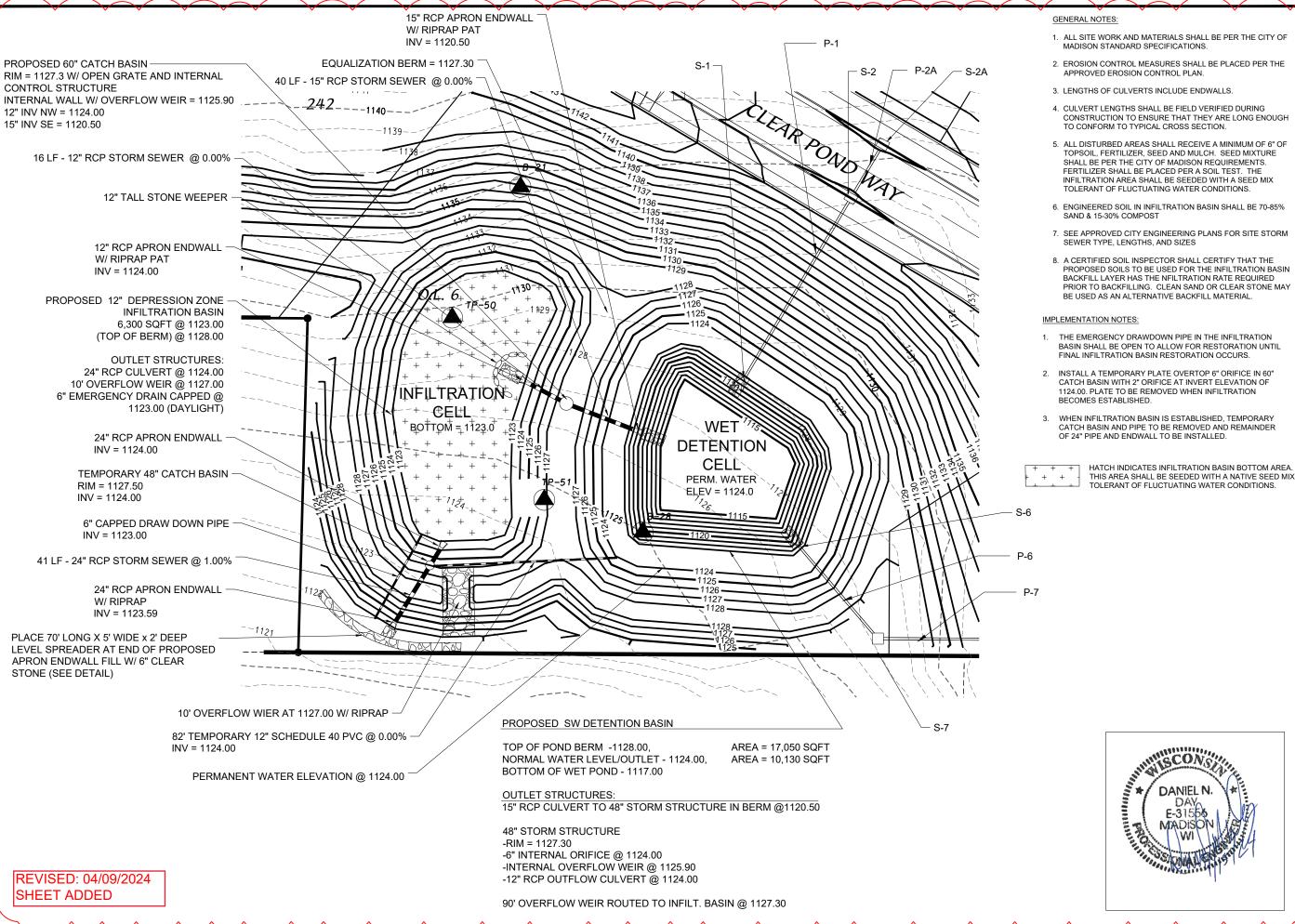


**TRACE** EAGLE

DATE: 07/14/20

FN: 19-05-107

REV 2020 02-05 JPS 48" STORM STRUCTURE IN BERM WITH INTERNAL CONTROL STRUCTURE -RIM = 1148 15 -18" RCP INFLOW CULVERT @ 1141.50 PLACE RIPRAP PAD -6" INTERNAL ORIFICE @ 1145.00 -INTERNAL OVERFLOW WEIR @ 1146.75 -15" RCP OUTFLOW CULVERT @ 1145.00 AT DOWNSTREAM END OF OUTLET PIPE I.E. = 1145.00 18" RCP APRON ENDWALL 15" RCP APRON ENDWALL W/GRATE W/GRATE TOP OF BERM ELEVATION=1149.00 TOP OF BERM ELEVATION=1149.00 EAGLE TRACE TOP OF 100' SEPARATION BERM BOTTOM OF 10' WIDE OVERFLOW WEIR ELEVATION=1148.15 PROPOSED 18" RCP CULVERT W/ APRON ELEVATION=1148.00 ENDWALL @ 1145.00 (ROUTE ULTIMATELY TO CONNECT TO CITY DESIGNED INLET 10' MIN SAFETY SHELF AT PIONEER ROAD ) NORMAL WATER LEVEL ELEV=1145.00 (TYP.) PRO 15" RCP CULVERT INV =1145.00 PRO 18" RCP -INFILTRATION BASIN BOTTOM ELEV=1144.00 a 1145.00 INV =1141.50 PRO RCP 18" CULVERT 6" CAPPED DRAWDOWN PIPE @ 1144.00 ROUTE TO DAYLIGHT 1144.00 WET POND BOTTOM 12" ENGINEERED SOIL 70% SAND ELEV=1138.00 2' UNDERCUT 30% COMPOST ELEV=1136.00/ OVER EXCAVATE INFILTRATION BASIN APPROXIMATELY 3-5 FT OR UNTIL SANDY LOAM LAYER IS REACHED. NOTE: PLACE 2' TYPE B CLAY LINER IN WET BASIN AREAS THAT DO NOT FALL WITHIN NATIVE CLAYS NOTE: A CERTIFIED SOIL INSPECTOR SHALL CERTIFY THAT THE PROPOSED SOILS TO BE USED FOR THE BACKFILL LAYER HAS A MINIMUM INFILTRATION RATE OF 0.5 IN/HR PRIOR TO BACKFILLING. CLEAN SAND **PROFILE VIEW** OR CLEAR STONE MAY BE USED AS AN ALTERNATIVE BACKFILL MATERIAL. PROPOSED NORTHWEST WET DETENTION/INFILTRATION BASIN DETAIL NOT TO SCALE DATE: 07/14/20 REVISED: DRAWN BY: GVP FN: 19-05-107

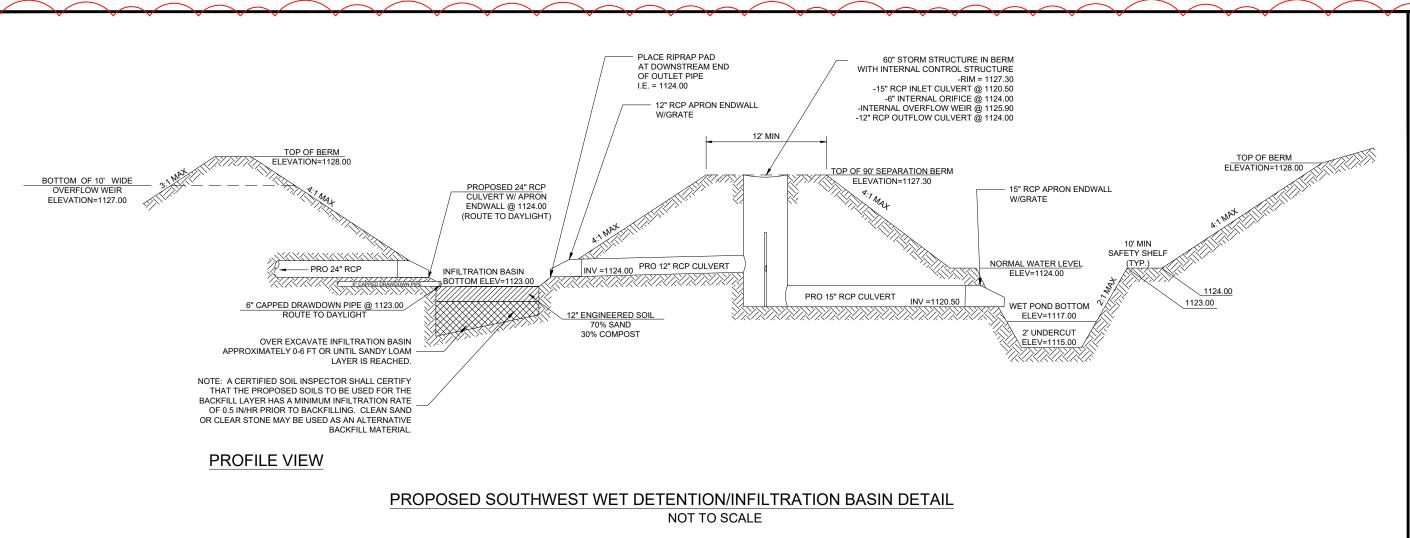


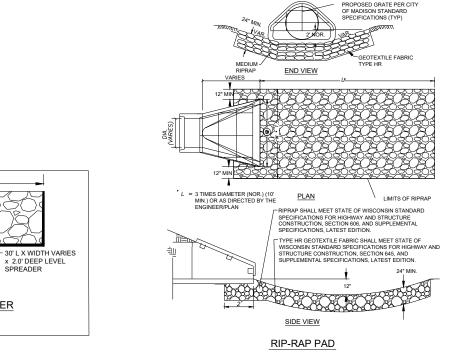
TRACE

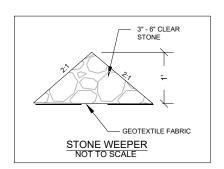
EAGLE

DATE: 02-26-24

DRAWN BY: DND FN: 23-05-129





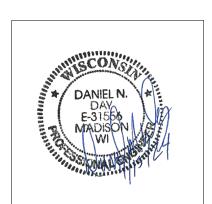


6" CLEAR -STONE

LEVEL SPREADER

DETAIL

REVISED: 04/09/2024 SHEET ADDED



EAGLE TRACE

DATE: 02-26-24

DRAWN BY: DND FN: 23-05-129