## REPAIR EXISTING NOTES (GENERAL): LEGEND: PIPE INLET (2) REMOVE EXISTING PIPE PURSUANT TO THE REQUIREMENTS OF M.S. 216D.04, THE STATE ONE-CALL NOTIFICATION CENTER WAS CONTACTED ON JUNE 15, 2010. SUBSURFACE UTILITY EX CBMH ----->> EXISTING STORM SEWER **182ND AVENUE** REMOVE EXISTING PIPE INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2 ENTITLED "STANDARD INV 894.64 ----- GAS ----- FXISTING GASMAIN GUIDELINES FOR COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY 28' - 4" PERF DATA". THIS INFORMATION MAY NOT BE RELIED ON AS WARRANTING THE ACTUAL --- PROPOSED STORM SEWER TP DRAIN TILE PRESENCE, CHARACTERISTICS, OR LOCATION OF THE UNDERGROUND FACILITIES, -28' - 4" PERF. AND DOES NOT RELIEVE ANY PERSON(S) FROM COMPLYING WITH STATE ----- PROPOSED PERF. DRAIN TILE: TP DRAIN TILE NOTIFICATION AND LOCATION GUIDELINES. 4" THERMOPLASTIC (TP) TICKET NUMBER: 100263202 MARK DATE: JUNE 21, 2010 CONNECT TO EXISTING CBMH TP DRAINTHE INV 895.58 CONNECT TO EXISTING CBMH THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF REPAIR EXISTING PIPE OUTLET BITUMINOUS PAVEMENT AREA: UTILITIES AS NECESSARY TO COMPLETE THE PROPOSED CONSTRUCTION. COSTS INV 895.75 REMOVE AND REPLACE IN KIND REPAIR EXISTING PIPE OUTLET INCURRED FROM THE COORDINATION OR THE ACTUAL WORK SHALL BE CONSIDERED RIM-898.44 ] INV 895.15 EX R/W REMOVE CURB SALVAGE AGGREGATE BASE REPLACE IN-KIND STMH 100 - 48 RIM 898.0 I FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL DEVICES, DUST CONTROL MEASURES, TEMPORARY BARRIERS, AND SECURITY DEVICES PRIOR TO THE EX FES INV 895.37 S MILL BITUMINOUS SURFACE 1.5" - GAS EX 6" GASMAIN GAS 39' - 4" PERE -INV 895 47 M COMMENCEMENT OF WORK. PROVIDE INLET PROTECTION AT ALL DOWNSTREAM -REMOVE/REPLACE CONCRETE IN EX FES TP DRAIN TILE I INV 895.47 E CATCH BASINS CAPTURING RUNOFF FROM THE SITE. KIND - INSTALL TRUNCATED -REMOVE CURB DOME SECTION CONCRETE AREA: REMOVE AND REPLACE IN-KIND MINIMIZE SURFACE DISTURBANCE AS PRACTICABLE, RESTORE DISTURBED ARES WITH MAINTAIN 24" SEPARATION-REPLACE IN KIND (3A32) TOPSOIL, SEED, AND MULCH INCIDENTAL TO THE REMOVAL/REPLACEMENT OF EXISTING CURB. USE SEED MNDOT SEED MIXTURE 270 WITH TYPE 5 HYDROMULCH BETWEEN GAS PIPE AND -TOP CURB 898.80 LLL GASEX 16" GASMAIN STORM SEWER (TYP) INV RCP 895.19 BOT RCP 894.94 TOP GAS 892.60 PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING AS NECESSARY TOP CURB 898 97 INV RCP 895.08 BOT RCP 894.83 INV RCP 895.08 THE CONTRACTOR SHALL OBTAIN AND CONFORM TO ALL PERTINENT CITY, COUNTY AND STATE DETAILS, SPECIFICATIONS, PERMITS, AND COORDINATE INSPECTIONS AS 50' - 4" PERF TOP GAS 892.83 REQUIRED BY THE GOVERNING BODY DURING THE ENTIRE PROJECT TP DRAIN TILE-CONSTRUCTION OPERATIONS SHALL BE PERFORMED IN A WAY TO MINIMIZE THE DISRUPTION TO THE NORMAL FLOW OF TRAFFIC ON ALL STREETS, ALLEYS, AND REMOVE/REPLACE MAINTAIN 18" VERTICAL ---- CONCRETE IN KIND REPLACE VALLEY ---SEPARATION BETWEEN-GUTTER AND THE CONTRACTOR SHALL REFER TO THE MINNESOTA MUTCD FOR TRAFFIC CONTROL \_WM AND STORM SEWER REQUIREMENTS. THE CONTRACTOR MAY BE REQUIRED TO PHASE CONSTRUCTION TO EX WATERMAIN ROVEMENT MINIMIZE DISRUPTION TRAFFIC AND MAINTAIN SITE SAFETY. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY -REMOVE/REPLACE CONCRETE IN KIND -MARKS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. CONNECT T BENCH MARK INV 894.78 -CONNECT TO EXISTING CBMH THE CONTRACTOR SHALL SALVAGE EXISTING SAND SUB-BASE AND REPLACE TO FACILITATE PLACEMENT OF PERFORATED DRAIN TILE VERT MP RIVE EX CBMH 1 TO EX CBMH 2 EX CBMH 3 TO STMH 100 920 920 Ш 虿 Ш 915 S 4 0 910 910 STO 905 905 A EXISTING GRADE-EXISTING GRADE 2ND 4" TP DRAINTILE-TP DRAINTII 900 4" TP DRAINTILE 900 895 895 55'-12" RCP @0 50% 22'-12" RČP MAINTAIN 24" VERTICAL SEPARATION (TYP.) EXISTING: - FXISTING BDM 890 890 GASMAIN GASMAIN Consulting Engineers and Surveyors, PLC 60 Plato Blvd E, Suite 140 EX WATERMAIN St. Paul, MN 55107 Phone: (763) 786-4570 Fax: (763) 786-4574 bdmce.com STMH 100 NV 895.75 885 885 RIM #99.03 RIM 898.0 INV 895.37 -INV-893.58-W INV 895.47 INV 894.78 N DRAWN BY: JLS INV 895.47 CHECKED BY: JMA 880 DESIGNED BY: JLS/JMA JOB NO. 226225 SHEETS SHEET 22+00