EX. ANCHOR

EX. STREET LIGHT

EX. HANDHOLĖ

EX. HANDHOLE

EX. WELL BENCHMARK

EX. SIGN

CONTROL POINT

EX. ELECTRIC TRANSFORMER

EX. SIGNAL W/ STREET LIGHT

EX. TELEPHONE PEDESTAL

FOUND CI MONUMENT

EX DECIDUOUS TREE

EX CONIFEROUS TREE

EX. PARKING METER

EX. SOIL BORING

(ET)

\*

(H.H)

中

SB#: ??

ELËV: ??

 $\bigcirc$ 

(H.H.)

 $\Leftrightarrow$ 

#### PLAN LEGEND RIGHT OF WAY LINE DITCH CENTERLINE FENCE LINE RETAINING WALL GRAVEL LINE GUARD RAIL LINE ROAD CENTERLINE TREE LINE STREAM LINE WETLAND LINE EX SANITARY LINE PR SANITARY LINE AB SANITARY LINE - AB-SAN -EX FORCEMAIN LINE PR FORCEMAIN LINE AB FORCEMAIN LINE EX STORM LINE PR STORM LINE AB STORM LINE EX WATER LINE PR WATER LINE AB WATER LINE EX GAS LINE PR GAS LINE - 3" PE GAS AB GAS LINE - AB-GAS EX STEAM LINE - STFAM AB STEAM LINE UG CABLE TV LINE AB CABLE TV LINE UG ELECTRIC LINE AB ELECTRIC LINE - AB-ELEC UG FIBEROPTIC LINE AB FIBEROPTIC LINE — AB-FO UG TELEPHONE LINE — UGT -AB TELEPHONE LINE ----- AB-TELE OH UTILITIES **SYMBOLS** EX SANITARY MANHOLE EX SANITARY CLEANOUT EX STORM MANHOLE EX STORM CATCHBASIN EX. WATER MANHOLE EX. WATER VALVE EX. WATER HYDRANT \*So EX. WATER SHUTOFF EX. WATER & GAS MH EX. GAS MANHOLE EX. GAS VALVE ಂ EX. GAS SHUTOFF EX. STEAM MANHOLE EX. TELEPHONE MANHOLE (E) EX. ELECTRIC MANHOLE EX. POWERPOLE EX. LIGHT POLE EX. ELECTRIC VAULT

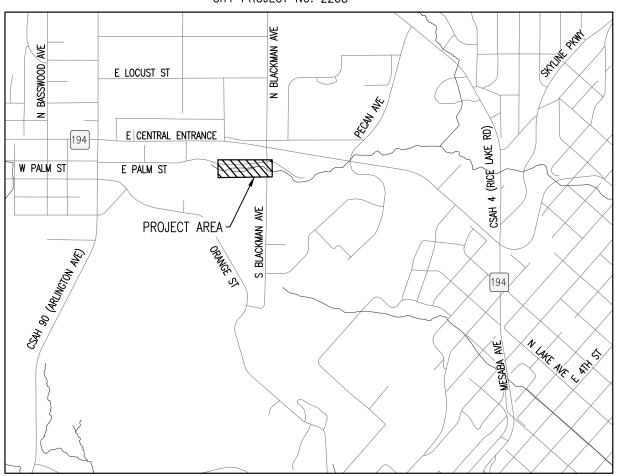
# CITY OF DULUTH

# DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

# CONSTRUCTION PLANS FOR:

PALM STREET PERMANENT STORMWATER MANAGEMENT SYSTEM IMPROVEMENTS (PERMANENT STORMWATER TREATMENT, FLOOD MITIGATION, SMARTPOND TECHNOLOGY, STORM SEWER, GRADING, BITUMINOUS SURFACING, CONCRETE WALK, PERIMETER FENCING, AND RETAINING WALLS)

CITY PROJECT NO. 2208



## BASIS OF DATUM

- HORIZONTAL DATUM IS SAINT LOUIS COUNTY TRANSVERSE MERCATOR 1996 (SLCTM\_96)
- VERTICAL DATUM IS NAVD 88 USING VERTICAL CONTROL MONUMENT "XXXXXXX" (EL=XXX.XXX').

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTITLITY DATA".

PLAN REVISIONS	
SHEET NO.	APPROVER



## **GOVERNING SPECIFICATIONS**

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. AVAILABLE AT: http://www.dot.state.mn.us/pre-letting/spec/index.html

THE 2019 EDITION OF THE CITY OF DULUTH PUBLIC WORKS AND UTILITIES DEPARTMENT CONSTRUCTION STANDARDS AND SUPPLEMENTS OR ADDENDUMS SHALL APPLY. AVAILABLE AT:

http://www.duluthmn.gov/engineering/standard-construction-specifications/

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MNUTCD,

INCLUDING THE LATEST FIELD MANUAL FOR LAYOUT		
SHEET NO DESCRIPTION  TITLE  GENERAL LAYOUT  3-4 SEQ & NOTES  5-6 CHARTS  TYPICAL SECTIONS  8-19 CONSTRUCTION DETAILS  20-22 EXISTING CONDITIONS & REMO  23-25 PLAN & PROFILE  26 SEWER PROFILES  27-28 CROSS SECTIONS  33-37 SWPPP  38-39 TRAFFIC CONTROL		
THIS PLAN CONTAINS 39 SHEETS		
ESIGN TEAM: JDO		
I HEREBY CERTIFY THAT THIS PLAN WAS DIRECT SUPERVISION AND THAT I AM ENGINEER UNDER THE LAWS OF	A DULY LICENSED PROFESSIONAL	
BRAD SI PROJECT ENGINEER (TYPEI 95% PLAN PROJECT ENGINEER	O OR PRINTED NAME)	
CITY APPR	ROVAL	

CITY OF DULUTH PROJECT NO. 2208

APPROVED CITY ENGINEER

APPROVED

APPROVED

SHEET NO.

CHIEF ENGINEER OF TRANSPORTATION

CHIEF ENGINEER OF UTILITIES

DRAWN BY: JDO

OF 39

DATE

DATE

DATE