CULVERT

BULKHEAD

EXISTING

TELEPHONE MANHOLE

ELECTRIC MANHOLE

GAS MAIN & VALVE

STREET LIGHT

TRAFFIC SIGN STREET SIGN

DECIDUOUS TREE

BUSH - SHRUB

WOODED AREA **FENCE**

GUARD RAIL DITCH

HANDHOLE

BUILDING

CULVERT

CATCH BASIN BUILKHEAD

SECTION LINE

QUARTER LINE

SIXTEENTH LINE

RIGHT OF WAY LINE

PROPOSED

CONSTRUCTION LIMITS

CONSTRUCTION CENTERLINE RIGHT OF WAY LINE

STORM SEWER & MANHOLE

CONCRETE CURB & GUTTER

SANITARY SEWER & MANHOLE

CONIFEROUS TREE

TRAFFIC SIGNAL POLE

BITUMINOUS CURB CONCRETE PAVEMENT

CONCRETE CURB & GUTTER

END SAP

106-137-002

STATION: 231+98

MAILBOX

HEDGE

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STORM SEWER & CATCHBASIN SANITARY SEWER & MANHOLE

UNDERGROUND TELEPHONE LINE

UNDERGROUND ELECTRIC LINE

POWER POLE W/ GUY WIRE

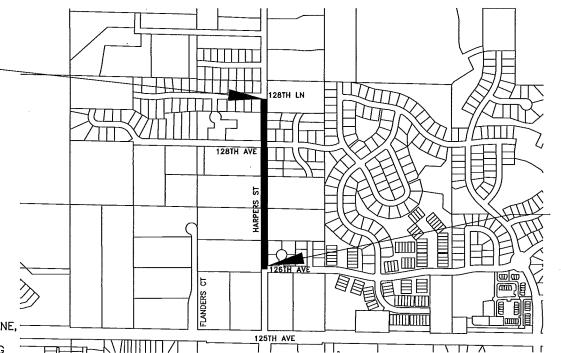
WATERMAIN, HYDRANT, VALVE & MANHOLE

CITY OF BLAINE, MINNESOTA

CONSTRUCTION PLANS FOR

CONCRETE CURB & GUTTER, STORM SEWER, BITUMINOUS REMOVAL AND REPLACEMENT. CONCRETE SIDEWALK AND BITUMINOUS TRAIL

> HARPERS STREET FROM 126TH AVE TO 128TH LN CITY PROJECT NO. 13-13 SAP 106 -137-002





BEGIN SAP 106-137-002 STATION: 212+50

1. THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, FIBEROPTIC, ELECTRIC, CABLE TV AND PIPELINES ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL BEFORE COMMENCING AND CONSTRUCTION OR EXCAVATION. GOPHER STATE ONE CALL SYSTEM......1-800-252-1166

WATERMAIN, HYDRANT, VALVE & MANHOLE

- 2. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY 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 UTILITY DATA."
- 3. ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS" - CURRENT EDITION.
- 4. "THE 2014 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' AND THE 2014 EDITION OF THE 'MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN" EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.



10801 Town Square Drive NE Blaine, Minnesota 55449 Phone (763) 785-6172



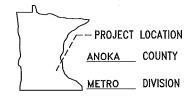
STOPPING SIGHT DISTANCE BASED ON:

0.0' HEIGHT OF OBJECT 4.5' HEIGHT OF EYE

DESIGN SPEED

20

PROJECT LOCATION



DESIGN DESIGNATION (URBAN)

STOPPING SIGHT DISTANCE BASED ON: 2.0' HEIGHT OF OBJECT

3.5' HEIGHT OF EYE

1948 FEET 0.37 MILES HARPERS STREET

(SAP 106-137-002) 1948 FEET 0.37 MILES **GROSS LENGTH** BRIDGE LENGTH 000 FEET .000 MILES

HARPERS STREET SAP 106-126-003

DESIGN 522,285 R VALUE EXISTING ADT (2015) 1979 2968 20 YEAR PROJÈCTED ADT (2035) 7.0

% HCADT DESIGN SPEED

FUNCTIONAL CLASSIFICATION NUMBER OF TRAFFIC LANES NUMBER OF PARKING LANES LOCAL COLLECTOR

30

INDEX

SHEET NO. DESCRIPTION TITLE SHEET **ESTIMATED QUANTITIES** STORM SEWER SCHEDULE STANDARD DETAILS/TYPICAL SECTION 4-11 12-13 REMOVALS STREET & STORM IMPROVEMENT 14-16 17-18 SIGNAGE & PAVEMENT MARKING SWPPP 19 20-21 EROSION CONTROL

THIS PLAN CONTAINS 21 SHEETS

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS

DANIEL S. SCHLUENDER

DATE: 7.22/5

LIC. NO. 26771

07/28/2015 CITY ENGINEER OF BLAINE DATE

8/11 ,2015

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

DATE

8/1/.2015 APPROVED FOR STATE AID FUNDING:

DATE



ENGINEERING DEPARTMENT 10801 TOWN SQUARE DR. NE, Blaine, Minnesota 55449 Phone (763) 785-6172

S.A.P. 106-137-002 **CITY PROJECT 13-13** SHEET 1 OF 21 SHEETS

