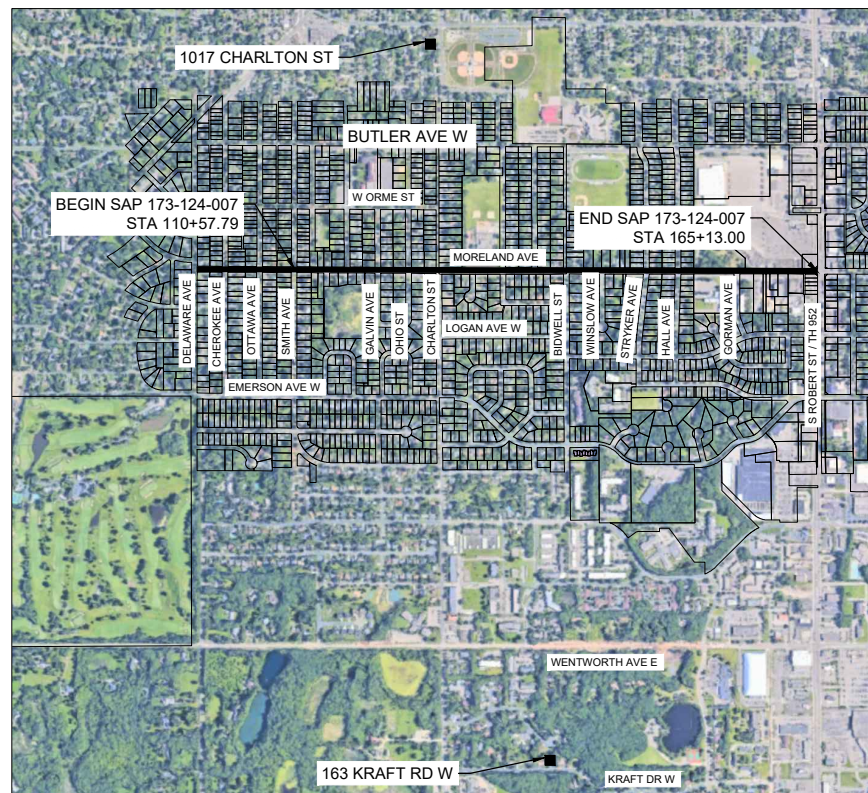


MINNESOTA DEPARTMENT OF TRANSPORTATION CITY OF WEST ST. PAUL, MINNESOTA

CONSTRUCTION PLANS FOR 2021 STREET IMPROVEMENT PROJECT RECONSTRUCTION OF MORELAND AVENUE

WATERMAIN, STORM SEWER, CONCRETE CURB & GUTTER, SIDEWALK, BITUMINOUS PAVING, AND LIGHTING

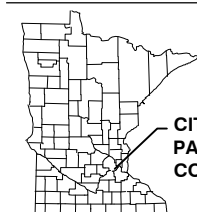
SAP 173-124-007 / CITY PROJECT NO. 21-01



LOCAL WORK
■ CONCRETE REPAIR



PROJECT LOCATION



WEST OF HALL AVE
TOWNSHIP: 28N
RANGE: 22W
SECTION: 19

EAST OF HALL AVE
TOWNSHIP: 28N
RANGE: 22W
SECTION: 20

NOTE:
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY 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."

THE CONTRACTOR SHALL CALL THE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.

| | |
|-----------------|---|
| EXISTING | |
| | RIGHT OF WAY |
| | PERMANENT EASEMENT |
| | PROPERTY LINE |
| | HORIZONTAL CONTROL POINT |
| | BENCHMARK |
| | SURVEY MARKER |
| | SOIL BORING |
| | SANITARY SEWER AND MANHOLE |
| | FORCE MAIN AND LIFT STATION |
| | SANITARY SEWER SERVICE & CLEANOUT |
| | WATER MAIN, HYDRANT, VALVE AND MANHOLE |
| | WATER SERVICE AND CURB STOP BOX |
| | STORM SEWER, MANHOLE AND CATCH BASIN |
| | CULVERT AND APRON ENDWALL |
| | GAS MAIN, VALVE, VENT AND METER |
| | HANDHOLE |
| | BURIED FIBER OPTIC CABLE AND MANHOLE |
| | BURIED PHONE CABLE, PEDESTAL AND MANHOLE |
| | BURIED TV CABLE, PEDESTAL AND MANHOLE |
| | BURIED ELECTRIC CABLE, PEDESTAL, MANHOLE, TRANSFORMER AND METER |
| | OVERHEAD WIRE, POLE AND GUY WIRE |
| | LIGHT POLE |
| | TRAFFIC SIGNAL |
| | STREET NAME SIGN |
| | SIGN (NON STREET NAME) |
| | RAILROAD TRACKS |
| | DECIDUOUS AND CONIFEROUS TREE |
| | BUSH / SHRUB AND STUMP |
| | EDGE OF WOODED AREA |
| | WETLAND |
| | BUILDING |
| | FENCE (UNIDENTIFIED) |
| | BARBED WIRE FENCE |
| | CHAIN LINK FENCE |
| | ELECTRIC WIRE FENCE |
| | WOOD FENCE |
| | WOVEN WIRE FENCE |
| | PLATE BEAM GUARDRAIL |
| | CABLE GUARDRAIL |
| | POST / BOLLARD |
| | RETAINING WALL |
| | 6+00 STREET CENTERLINE |
| | RIGHT-OF-WAY |
| | PERMANENT EASEMENT |
| | TEMPORARY EASEMENT |
| | CONSTRUCTION LIMITS |
| | SANITARY SEWER, BULKHEAD AND MANHOLE |
| | FORCE MAIN |
| | SANITARY SERVICE AND CLEANOUT |
| | WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE |
| | WATER VALVE MANHOLE, REDUCER, BEND AND CROSS |
| | WATER SERVICE AND CURB STOP BOX |
| | STORM SEWER, MANHOLE AND CATCH BASIN |
| | CULVERT AND APRON ENDWALL |
| | DRAIN TILE |
| | DITCH / SWALE |
| | RIPRAP |
| | STREET NAME SIGN |
| | SIGN (NON STREET NAME) |
| | RETAINING WALL |

GOVERNING SPECIFICATIONS
THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

| INDEX | |
|-----------|--------------------------------------|
| SHEET NO. | DESCRIPTION |
| 1 | TITLE SHEET |
| 2-3 | GENERAL LAYOUT |
| 4-5 | STATEMENT OF ESTIMATED QUANTITIES |
| 6-7 | TABULATIONS |
| 8 | CONSTRUCTION NOTES |
| 9-14 | DETAILS |
| 15-24 | STANDARD PLANS |
| 25-26 | TYPICAL SECTIONS |
| 27-33 | EXISTING CONDITIONS & REMOVALS |
| 34-41 | SANITARY SEWER & WATER MAIN PLAN |
| 42-50 | STREET & STORM SEWER PLAN |
| 51-58 | INTERSECTION DETAILS |
| 59-11 | SWPPP |
| 62-65 | LANDSCAPING |
| 66-71 | EROSION CONTROL & TURF ESTABLISHMENT |
| 72-75 | PHASING & TRAFFIC CONTROL |
| 76-82 | PAVEMENT MARKING & SIGNING |
| 83-86 | ELECTRICAL |
| 87-109 | CROSS SECTIONS |

THIS PLAN CONTAINS 109 SHEETS

| DESIGN DESIGNATION | |
|---|--------------------------|
| STOPPING SIGHT DISTANCE BASED ON: 3.5' HEIGHT OF EYE | 2' HEIGHT OF OBJECT |
| MORELAND AVE SAP 173-124-007 | |
| GROSS LENGTH | 5455.21 FEET 1.033 MILES |
| BRIDGE LENGTH | 0 FEET 0.000 MILES |
| EXCEPTION LENGTH | 0 FEET 0.000 MILES |
| NET LENGTH | 5455.21 FEET 1.033 MILES |
| DESIGN | 9 TON |
| DESIGN SPEED | 30 M.P.H. |
| R-VALUE | 30 |
| ESALS | 225,000 |
| EXISTING A.D.T. (2020) | 2100 |
| 20 YR. PROJECTED A.D.T. (2041) | 2730 |
| % HCADT (2020) | 3.57 % |
| FUNCTIONAL CLASSIFICATION | LOCAL |
| NO. OF TRAFFIC LANES | 2 |
| NO. OF PARKING LANES | 1 |

APPROVED: _____
CITY ENGINEER OF WEST SAINT PAUL DATE _____

RECOMMENDED FOR APPROVAL: _____
DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY DATE _____

RECOMMENDED FOR APPROVAL: _____
APPROVED FOR STATE AID FUNDING STATE AID ENGINEER DATE _____

WEST ST. PAUL, MINNESOTA

PHONE: 952.912.2600
10901 RED CIRCLE DRIVE,
SUITE 300
MINNETONKA, MN 55343
www.sehinc.com

| | |
|---------------------------------|---------------------------|
| Signature | FILE NO. 154512 |
| Date: 12/23/2020 Lic. No. 55680 | 1 of 109 |

SAP 173-124-007



Know what's below.
Call before you dig.