

GENERAL NOTES

- 1) THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.
- 2) CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
- 3) INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.
- 4) THE CONTRACTOR SHALL NOTIFY CITY PUBLIC WORKS DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO THE INTERRUPTION OF ANY SEWER OR WATER SERVICES TO EXISTING HOMES OR BUSINESSES.
- 5) STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
- 6) NOTIFY CITY A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

WATER MAIN NOTES

- 1) EXISTING WATER MAIN LOCATION AND SIZE SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
- 2) PROVIDE PIPE INSULATION WHERE SEWER (SANITARY OR STORM) CROSSES WITHIN 18" OF WATER MAIN.
- 3) PROPOSED WATER MAIN SHALL BE DIP CLASS 52. PROPOSED WATER SERVICE PIPE SHALL BE 1" COPPER TYPE K.
- 4) MAINTAIN MINIMUM 7.5-FT COVER TO TOP OF ALL WATER MAIN PIPE.
- 5) PLACE HYDRANTS 15-FT OFF EDGE OF BITUMINOUS.

STORM SEWER NOTES

- 1) FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
- 2) WHEN CALLED OUT AS RCP, STORM SEWER SHALL BE REINFORCED CONCRETE PIPE (RCP) ANSI C76 WITH R-4 GASKETS.
- 3) STORM SEWER LENGTHS INCLUDE THE LAYING LENGTH OF THE FLARED-END SECTION. LAYING LENGTH OF APRON TO BE DEDUCTED FROM PAYMENT LENGTH OF PIPE.
- 4) STORM SEWER PIPES TO BE JOINED TO THE CATCH BASIN MANHOLES W/ APPROVED RESILIENT RUBBER JOINTS TO MAKE THEM GASTIGHT OR WATERTIGHT. CEMENT MORTAR JOINTS ARE PERMITTED ONLY FOR REPAIRS AND CONNECTIONS OF EXISTING LINES CONSTRUCTED WITH SUCH JOINTS.

SANITARY SEWER NOTES

- 1) EXISTING SANITARY SEWER LOCATION, SIZE, AND ELEVATION SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
- 2) PROPOSED SANITARY SEWER MAIN SHALL BE PVC SDR 35 AND SDR 26.
- 3) PROPOSED SANITARY SEWER SERVICES SHALL BE 4" PVC SCHEDULE 40.

CURB & BITUMINOUS NOTES

- 1) REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL.
- 2) SAW-CUT EXISTING BITUMINOUS AND CONCRETE CURB TO PROVIDE BUTT-JOINT.
- 3) RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION.

NOTES:
 A) USE 1" WATER SERVICE FOR ALL LOTS DIRECTIONAL BORE WATER SERVICES UNDER NEW BRIGHTON ROAD, AND CONNECT TO EXISTING 6" DIP WATER MAIN.
 B) USE 2% SLOPE FOR SANITARY SEWER SERVICE FOR ALL LOTS
 C) CLEAN-OUTS REQUIRED FOR EVERY 100- FEET OF SEWER SERVICE

DRAWN BY:	DESIGN BY:
R.K.A.	R.K.A.
CHKD BY:	PROJ. NO.
C.W.P.	17-1680
ORIGINAL DATE:	
MARCH 24, 2017	

DATE	REVISION DESCRIPTION

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 of the State of Minnesota.
Charley W. Plowe
 CHARLES W. PLOWE LIC. NO. 16227
 DATE: 00.00.2016

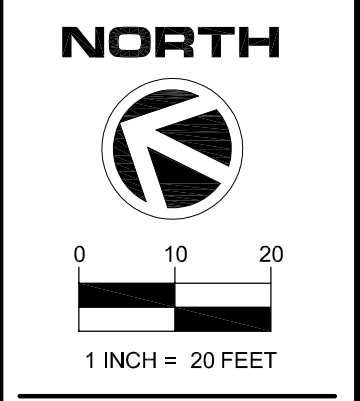
ERNIE NELSON ESTATES
ARDEN HILLS, MINNESOTA
 UTILITY AND CIVIL SITE PLAN

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ERNIE NELSON ESTATES



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