

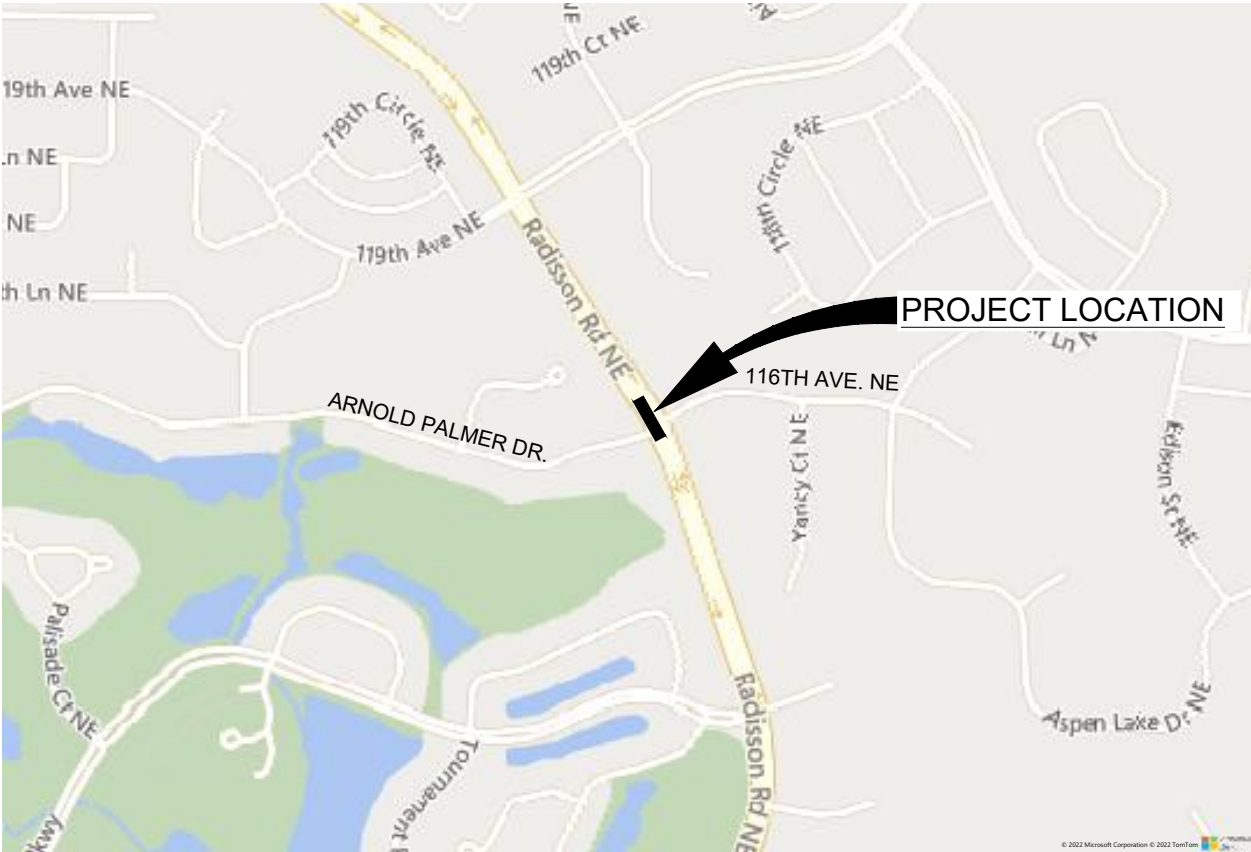
ANOKA COUNTY
CITY OF
BLAINE, MINNESOTA

CONSTRUCTION PLANS FOR

CONCRETE CURB AND GUTTER, CONCRETE MEDIAN, AND BITUMINOUS SURFACING

RADISSON ROAD / 116TH AVENUE IMPROVEMENTS

CITY PROJECT NO. 23-05



NOTE:
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D.
THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE
GUIDELINES OF C/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.



PROJECT LOCATION



**CITY OF BLAINE,
ANOKA COUNTY**

















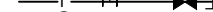




Know what's **below**.
Call before you dig.

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 |

PROPOSED

- | | |
|---|--|
|  | 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 |

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GOVERNING SPECIFICATIONS

THE 2020 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

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3	DETAILS
4	TYPICAL SECTIONS
5	TRAFFIC CONTROL PLAN
6	REMOVALS
7	CONSTRUCTION PLAN
8	SIGNING AND STRIPING PLAN

THIS PLAN CONTAINS 8 SHEETS.

APPROVED:

CITY ENGINEER OF BLAINE

DATE _____

COUNTY ENGINEER OF ANOKA

DATE _____

BLAINE, MINNESOTA



PHONE: 651.490.2000
3535 VADNAIS CENTER DRIVE
ST. PAUL, MN 55110-5196
www.sehinc.com

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 MN.

Greg F. Anderson GREG F. ANDERSON

Date: 8.15.2022 Lic. No. 26859

FILE NO.

167749

1

of 8

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LINE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
1	2021.501	MOBILIZATION	LS	1.00	
2	2104.502	PAVEMENT MARKING REMOVAL	LF	50	
3	2104.502	REMOVE CASTING (STORM)	EA	2	
4	2104.502	SALVAGE SIGN	EA	6	
5	2104.503	REMOVE CURB & GUTTER	LF	106	
6	2104.504	REMOVE CONCRETE PAVEMENT	SY	18	
7	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	352	
8	2104.603	EDGE MILL BITUMINOUS PAVEMENT	LF	360	
9	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HR	4	
10	2211.507	AGRREGATE BASE (CV) CLASS 5	CY	20	
11	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	14	
12	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,F)	TON	71	
13	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,B)	TON	36	
14	2506.502	CASTING ASSEMBLY (STORM)	EA	2	
15	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LF	260	
16	2531.504	4" CONCRETE PAVEMENT	SY	90	
17	2563.601	TRAFFIC CONTROL	LS	1.00	
18	2564.502	SIGN PANELS TYPE C	SF	114	
19	2573.502	STORM DRAIN INLET PROTECTION	EA	5	
20	2582.503	4" SOLID LINE MULTI COMP	LF	40	
21	2582.503	8" SOLID LINE MULTI COMP	LF	522	
22	2582.503	24" SOLID PREFORM TAPE GROUND IN	LF	80	


SEH Project	167749
Drawn By	BM
Designed By	DJC
Checked By	GFA

Rev.#	Revision Issue Description	Date

Rev.#	Revision Issue Description	Date



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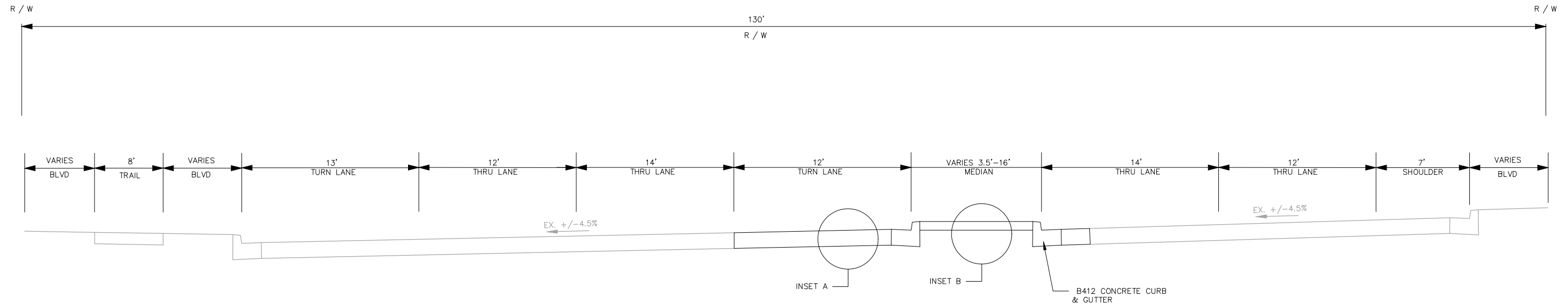

DATE 8.15.2022

GREG F. ANDERSON
LICENSE NO. 26859

RADISSON RD. - 116TH AVE.
IMPROVEMENTS
BLAINE, MN

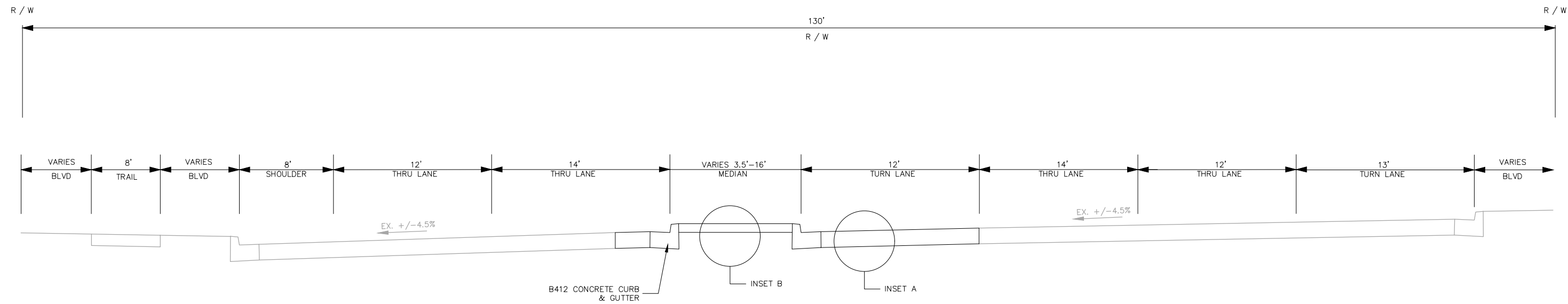
STATEMENT OF ESTIMATED
QUANTITIES

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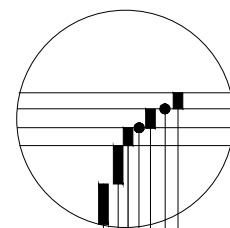
MEDIAN W/ BITUMINOUS REPLACEMENT

RADISSON ROAD (NORTH)



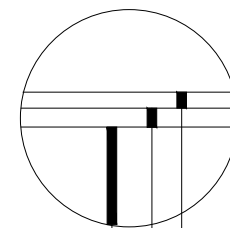
MEDIAN W/ BITUMINOUS REPLACEMENT

RADISSON ROAD (SOUTH)



INSET A

2.0" WEARING COURSE SPWEB340F
BITUMINOUS TACK COAT
2.0" WEARING COURSE SPWEB340F
BITUMINOUS TACK COAT
2.0" NON WEARING COURSE SPNWB330B
6" IN PLACE AGGREGATE BASE
EXISTING SUBGRADE



INSET B

4" CONCRETE
6" AGGREGATE BASE
EXISTING SUBGRADE

SEH Project	167749
Drawn By	BM
Designed By	DJC
Checked By	GFA

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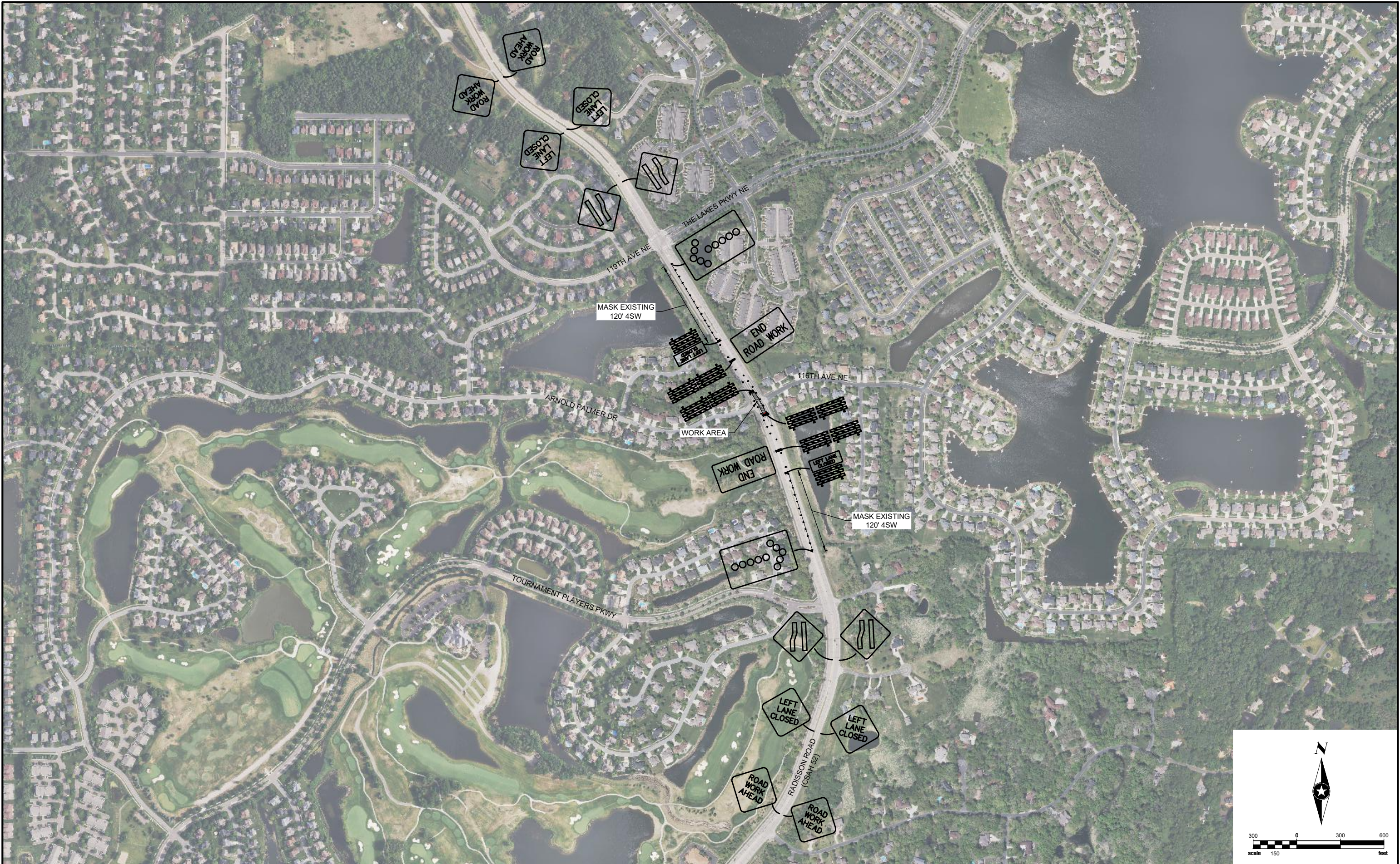
Greg F. Anderson
DATE 8.15.2022

GREG F. ANDERSON
LICENSE NO. 26859

**RADISSON RD. - 116TH AVE.
IMPROVEMENTS**
BLAINE, MN

TYPICAL SECTIONS

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SEH Project	167749
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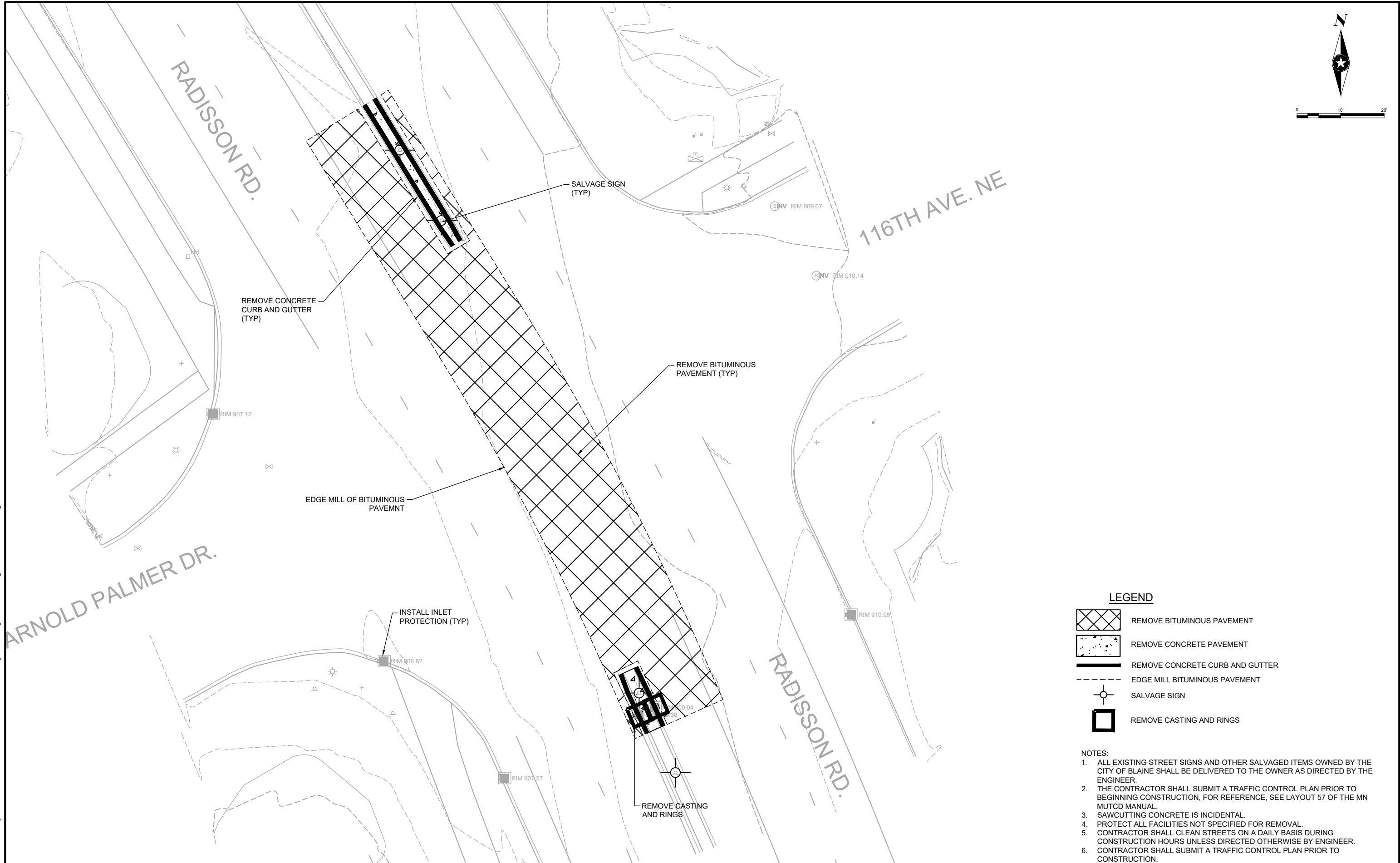
Greg F. Anderson
DATE 8.15.2022

GREG F. ANDERSON
LICENSE NO. 26859

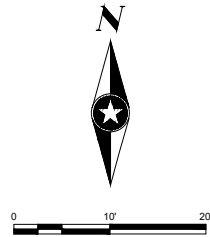
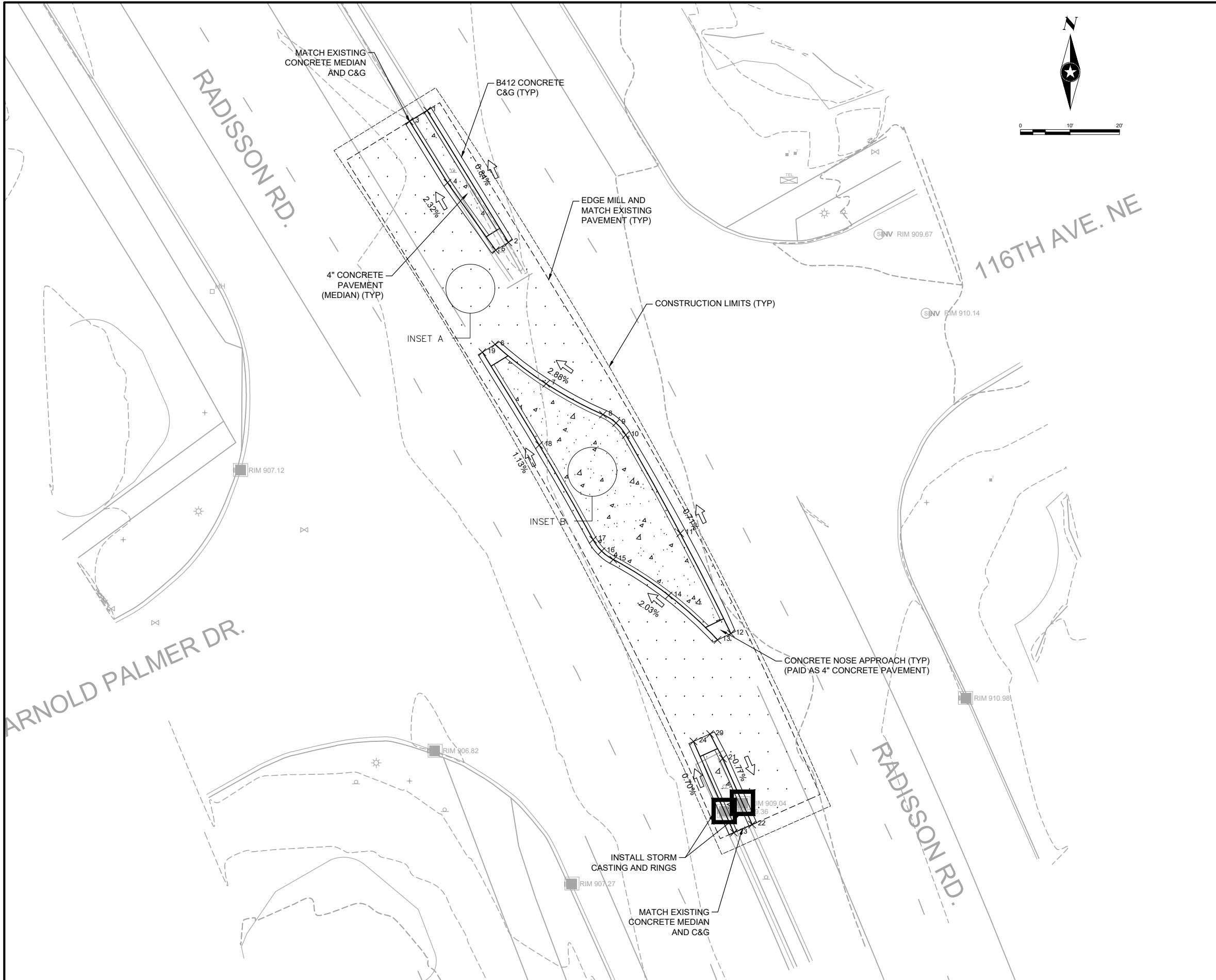
RADISSON RD. - 116TH AVE.
IMPROVEMENTS
BLAINE, MN

TRAFFIC CONTROL PLAN

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POINT TABLE				
POINT #	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
1	foc	908.657	153433.3827	515815.5006
2	foc	908.921	153406.7309	515831.9267
3	foc	908.010	153431.2104	515811.9760
4	foc	908.147	153418.7936	515819.6403
5	foc	908.730	153405.1543	515829.3687
6	foc	908.617	153386.1268	515829.2274
7	foc	909.041	153378.1586	515839.5514
8	foc	909.368	153371.9505	515851.0203
9	foc	909.467	153370.2466	515853.6595
10	foc	909.527	153367.8081	515855.6398
11	foc	909.797	153347.9514	515866.6284
12	foc	909.852	153327.6934	515876.8581
13	foc	909.732	153326.3920	515874.1551
14	foc	909.537	153335.3863	515864.2946
15	foc	909.190	153342.6393	515853.0909
16	foc	909.148	153344.3569	515850.7692
17	foc	909.126	153346.6664	515849.0352
18	foc	908.955	153365.7849	515838.1534
19	foc	908.629	153384.5511	515826.6746
20	foc	909.159	153307.3769	515872.6590
21	foc	909.100	153302.4508	515875.2441
22	foc	909.089	153289.1030	515881.1522
23	foc	909.395	153287.4697	515877.4593
24	foc	909.246	153305.8954	515869.3096

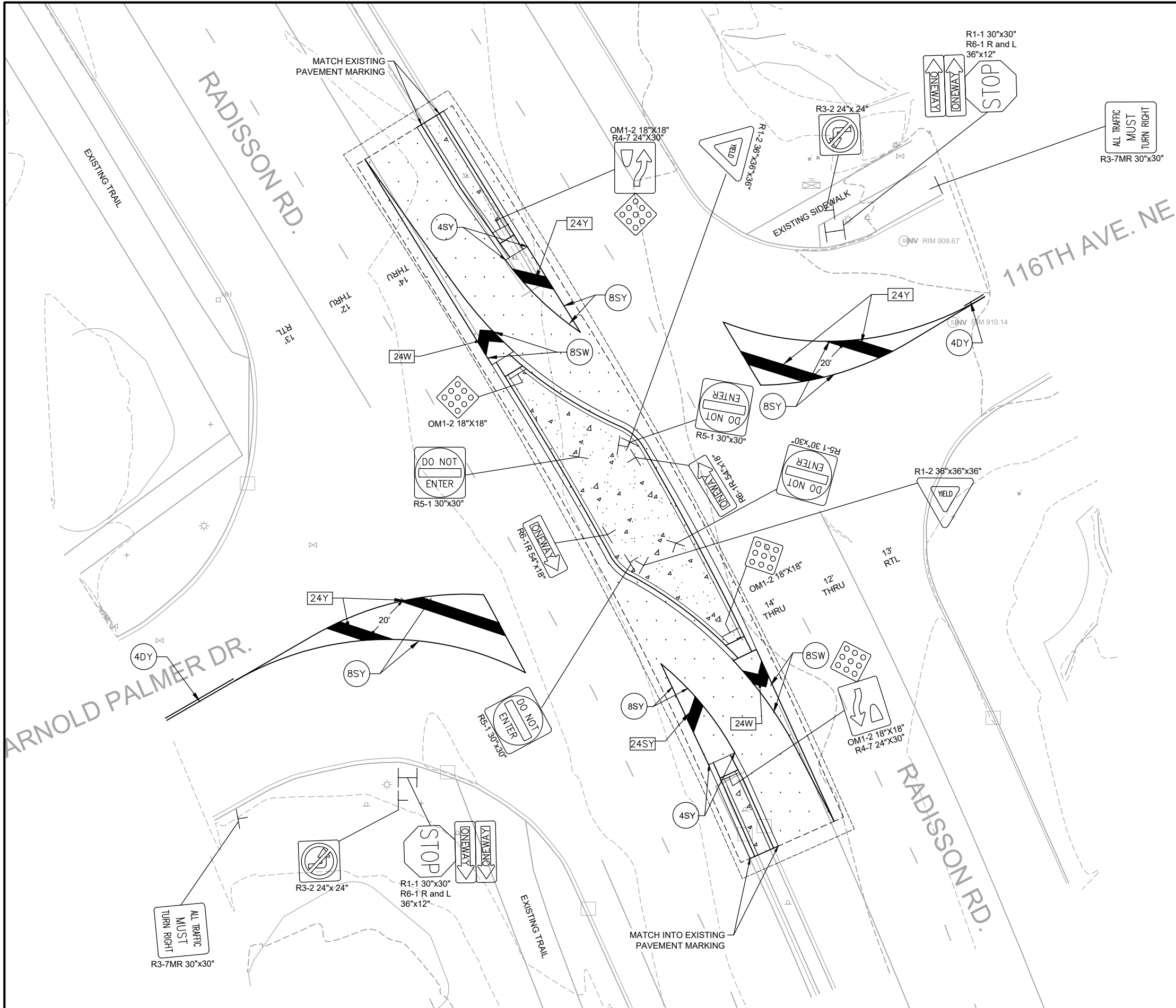
LEGEND

BITUMINOUS PAVEMENT

4" CONCRETE PAVEMENT

B412 CONCRETE CURB & GUTTER

INSTALL STORM FRAME & RING CASTING



SYMBOLS & MATERIALS LEGEND

