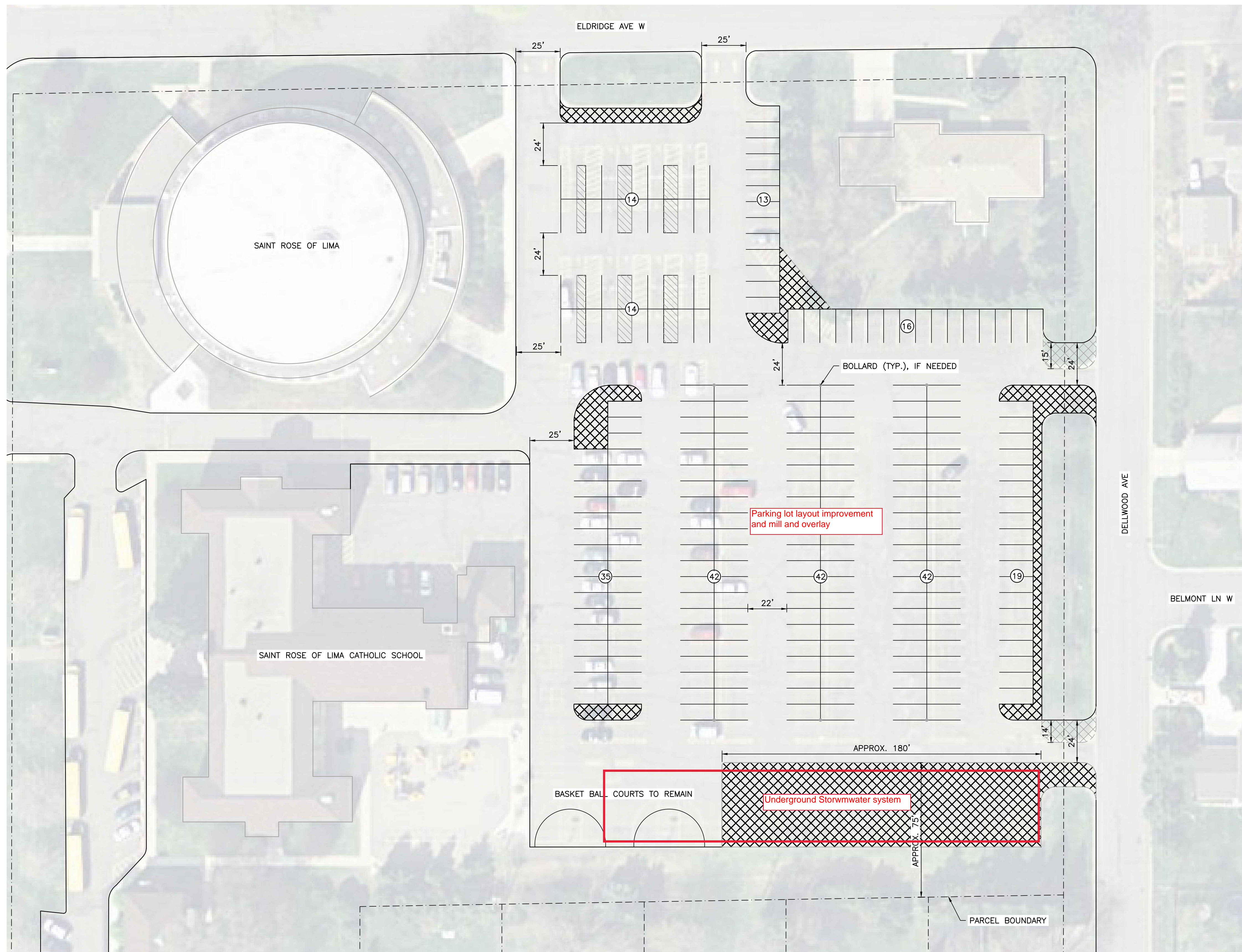


CADD USER: Brenden H. Dougherty FILE: P:\MPLS\23 MN\62\2362031\WORKFILES\BMP\_COST\_SHARE\_REVIEW\2017\ST ROSA OF LIMA\ST ROSA OF LIMA PARKING LOT ANALYSIS.DWG PLOT SCALE: 1:1 PLOT DATE: 4/17/2018 9:37 AM  
 BARR MA AutoCAD 2011\AutoCAD 2011 Support\enu\Template\Barr\_2011\_Template.dwt Plot at 1 10/05/2010 14:03:50



TYPICAL PARKING STALL DIMENSION (L X W): 19' X 9'  
 MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES: 7 CAR AND VAN, 2 VAN ACCESSIBLE

**TOTAL EXISTING PARKING SPOTS:**  
 ADA SPACES: 20 (7 REQUIRED BY LAW, 2 VAN STALLS)  
 REGULAR SPACES: 213  
 TOTAL SPACES: 233

EXISTING TOTAL IMPERVIOUS PARKING SURFACE (INCLUDING BASKETBALL COURT):  
 108,700 SF

EFFICIENCY: 108,700 SF/233 VEHICLES: 466.5 SF/SPACE

**TOTAL PROPOSED PARKING SPOTS:**

**ALTERNATIVE 1**  
 ADA SPACES: 21  
 REGULAR SPACES: 228  
 TOTAL SPACES: 249 (+16)

PROPOSED TOTAL IMPERVIOUS PARKING SURFACE (INCLUDING BASKETBALL COURT):  
 99,191 SF (IMPERVIOUS AREA REDUCTION: 9,509 SF)

EFFICIENCY: 99,191 SF/249 VEHICLES: 398.4 SF/SPACE

**ALTERNATIVE 2**  
 ADA SPACES: 20  
 REGULAR SPACES: 211  
 TOTAL SPACES: 231 (-2)

PROPOSED TOTAL IMPERVIOUS PARKING SURFACE (INCLUDING BASKETBALL COURT):  
 96,187 SF (IMPERVIOUS AREA REDUCTION: 12,513 SF)

EFFICIENCY: 96,187 SF/231 VEHICLES: 416.4 SF/SPACE

**ALTERNATIVE 3**  
 ADA SPACES: 19  
 REGULAR SPACES: 171  
 TOTAL SPACES: 190 (-43)

PROPOSED TOTAL IMPERVIOUS PARKING SURFACE (INCLUDING BASKETBALL COURT):  
 89,038 SF (IMPERVIOUS AREA REDUCTION: 19,662 SF)

EFFICIENCY: 89,038 SF/190 VEHICLES: 468.6 SF/SPACE

**ALTERNATIVE 4**  
 ADA SPACES: 24  
 REGULAR SPACES: 213  
 TOTAL SPACES: 237 (+4)

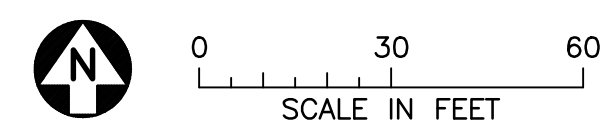
PROPOSED TOTAL IMPERVIOUS PARKING SURFACE (INCLUDING BASKETBALL COURT):  
 95,367 SF (IMPERVIOUS AREA REDUCTION: 13,333 SF)

EFFICIENCY: 95,367 SF/237 VEHICLES: 402.4 SF/SPACE

**LEGEND**

- EXISTING PARCEL BOUNDARY
- XXXX IMPERVIOUS AREA REDUCTION
- XXXX ADA ACCESSIBLE PARKING STALL
- PROPOSED PARKING CONFIGURATION

**1 PLAN: IMPERVIOUS SURFACE REDUCTION**



*PRELIMINARY DRAFT*

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.

PRINTED NAME: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_  
 DATE: \_\_\_\_\_ LICENSE # \_\_\_\_\_

CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	A	B	C	0	1	2	3

**BARR ENGINEERING CO.**  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435

Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435

Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2801  
 www.barr.com

Scale	AS SHOWN
Date	4/16/2018
Drawn	BHD
Checked	MEK2
Designed	MEK2
Approved	MEK2

**RAMSEY-WASHINGTON METRO WATERSHED DISTRICT**  
 LITTLE CANADA, MN

**ST ROSE OF LIMA PARKING RETROFIT**  
 2048 HAMLIN AVE, ST. PAUL

**PARKING LOT IMPERVIOUS SURFACE REDUCTION - ALTERNATIVE 4**

BARR PROJECT No. <b>2362031.17</b>	
CLIENT PROJECT No. _____	
DWG. No. <b>C-05</b>	REV. No. <b>0</b>