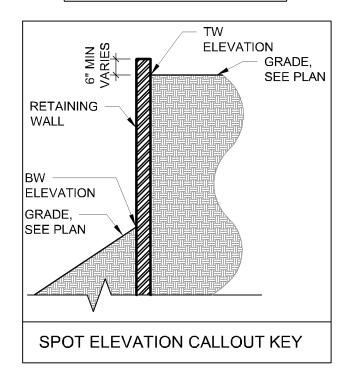


## **GENERAL NOTES**

- 1. ALL EXISTING INFORMATION TAKEN FROM SURVEY BY SUNDE LAND SURVEYING PROJECT NUMBER 2016-136, DATED 11/01/2016. BACKGROUND SURVEY ON THESE DRAWINGS IS FOR REFERENCE ONLY. REFER TO CERTIFIED SURVEY AS THE BASIS FOR ALL PROJECT WORK.
- 2. SUBSURFACE GEOTECHNICAL INVESTIGATION BY PROFESSIONAL SERVICE INDUSTRIES, INC. PROJECT NUMBER 0675926, DATED 11/01/2016.
- 3. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES, AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
- 4. ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.
- 5. CONTRACTOR TO KEEP FROM DAMAGE ALL EXISTING IMPROVEMENTS, LANDSCAPING, STRUCTURES AND UTILITIES THAT ARE TO REMAIN. CONTRACTOR TO REPAIR ANY DAMAGE AT OWN EXPENSE.
- 6. ALL WORK TO CONFORM WITH CITY OF BLOOMINGTON AND STATE OF MINNESOTA STANDARDS AND REGULATIONS.
- 7. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P "EXCAVATIONS AND TRENCHES". THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 8. CATCHBASINS AND MANHOLES ARE SHOWN ON PLAN LARGER THAN ACTUAL SIZE. COORDINATE LOCATION OF MANHOLE COVER AND CASTING SO THAT IT IS PROPERLY LOCATED AT THE BACK OF CURBLINE FOR THE CURB INLETS OR CENTERED IN THE AREA AS SHOWN ON THE PLAN FOR THE AREA DRAINS AND MANHOLE
- 9. PROVIDE TRAFFIC CONTROL AT STREETS AND SIDEWALKS PER CITY OF BLOOMINGTON AND MMUTCD REQUIREMENTS.
- 10. ANY WORK PERFORMED OUTSIDE THE PROPERTY BOUNDARIES MUST BE APPROVED BY OWNER AND ALL REGULATING GOVERNMENT AGENCIES AND APPROPRIATE PERMITS MUST BE OBTAINED.
- 11. SWPPP PROVIDED BY SHOPPING CENTER, GRADING BY KFW. CONTRACTOR AND OWNER TO TRANSFER PROJECT PORTION VIA THE MPCA WEBSITE TO BE INCLUDED ON THE SWPPP.



ABBREVIATION KEY: TW = TOP OF WALL BW = BOTTOM OF WALL HP = HIGH POINT ELEVATION LP = LOW POINT ELEVATION ME = MATCH EXISTING ELEVATION



## **GRADING NOTES**

- 1. PROPOSED SPOT ELEVATIONS AND CONTOURS ARE TO TOP OF GRADE, PAVEMENT OR GUTTER LINE, UNLESS OTHERWISE SPECIFIED.
- 2. SEE SHEETS C300 FOR NOTES AND LOCATIONS OF EROSION AND SEDIMENT CONTROL ITEMS. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL ITEMS PRIOR TO CONSTRUCTION.

## LEGEND

LLGLIND				
	EXISTING PROPERTY LINE			
entantia entantian entantian entantian	EXISTING EASEMENT LINE			
unnaun unnaun 8 (1 () unann unnann	EXISTING MAJOR CONTOUR			
	EXISTING MINOR CONTOUR			
	PREGRADE KFW CONTOUR			
——— EX-STM ———	EXISTING STORM SEWER			
——— EX-SAN———	EXISTING SANITARY SEWER			
EX-WTM	EXISTING WATERMAIN			
—24''SD —24''SD —	EXISTING STORM SEWER (KFW)			
8''SS8''SS	EXISTING SANITARY SEWER (KFW)			
8''W8''W	EXISTING WATERMAIN (KFW)			
UGUUGU	EXISTING UNDERGROUND ELECTRIC (KFW)			
——— UGE ———	EXISTING UNDERGROUND ELECTRIC			
	EXISTING UNDERGROUND COMMUNICATIO			
———— GAS ————	EXISTING UNDERGROUND GAS (KFW)			
	EXISTING AREA INLET / MANHOLE (KFW)			
•	EXISTING CATCHBASIN / MANHOLE			
¥	EXISTING FIRE HYDRANT (KFW)			

**EXISTING RISER (KFW)** EXISTING SIGN (KFW) **EXISTING TREE** LIMITS OF CONSTRUCTION -800----- PROPOSED CONTOUR DENOTES SURFACE DRAINAGE PROPOSED SPOT ELEVATION PROPOSED GAS LINE (BY OTHERS) PROPOSED ELECTRICAL LINE (BY OTHERS) PROPOSED SANITARY SEWER PROPOSED HDPE STORM SEWER ------ PROPOSED WATERMAIN

EXISTING SCENIC EASEMENT

PROPOSED MH/CB PROPOSED BITUMINOUS PAVEMENT PROPOSED CONCRETE SIDEWALK EXISTING CONCRETE SIDEWALK (KFW) EXISTING BITUMINOUS TRAIL (KFW)

MANHOLE / CATCHBASIN SCHEDULE						
STRUCTURE NAME:	SIZE:	CASTING:	RIM ELEVATION:	PIPES IN:	PIPES OUT	
CB 101	2' X 3'	NEENAH 3067-VB	805.70		12" HDPE INV OUT =802.80	
CB 104	2' X 3'	NEENAH 3067-VB	805.29		12" HDPE INV OUT =802.40	
CB 201	48"	NEENAH 3067-VB	806.80	12" HDPE INV IN =803.15	12" HDPE INV OUT =803.15	
CB 202	2' X 3'	NEENAH 3067-VB	806.40		12" HDPE INV OUT =803.50	
EX-STMH 1 (BY OTHERS)	BY OTHERS	BY OTHERS	806.92	12" HDPE INV IN =802.20 24" RCP IN- PER KFW**	DISCHARGE TO CHAMBER SEE STORMTECH DRAWINGS	
EX-STMH 102 (BY OTHERS)	BY OTHERS	NEENAH 3067-VB	806.30		24" RCP INV OUT =80.00	
EX-STMH 200 (BY OTHERS)	BY OTHERS	NEENAH 1641	807.75	12" HDPE INV IN =802.60 24" RCP INV IN =PER KFW	24" RCP INV OUT =PER KFW	

\*\*BY OTHERS - SEE KFW PLANS

PL201800280 PL2018-280

**ISSUED FOR** CONSTRUCTION



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CLIENT:

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CLIENT PROJECT NO: 170002

PROJECT:

WHIRLYBALL 2435 E OLD SHAKOPEE ROAD BLOOMINGTON, MN

NO	DATE	ISSUE/REVISION	BY
0	06/26/18	ISSUED FOR CONSTRUCTION	СМН
1	07/19/18	CITY COMMENTS	CMH

**CERTIFICATION:** 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. 2018.06.22 Andrew M. Berenberg 06/30/2020

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	DATE: 07/05/17		DRAWN: TSH	
	DESIGNED: AMB	CHECKE PDK	ED:	APPROVED:

DRAWING TITLE

11 pages
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GRADING AND DRAINAGE PLAN

DRAWING NO: C200