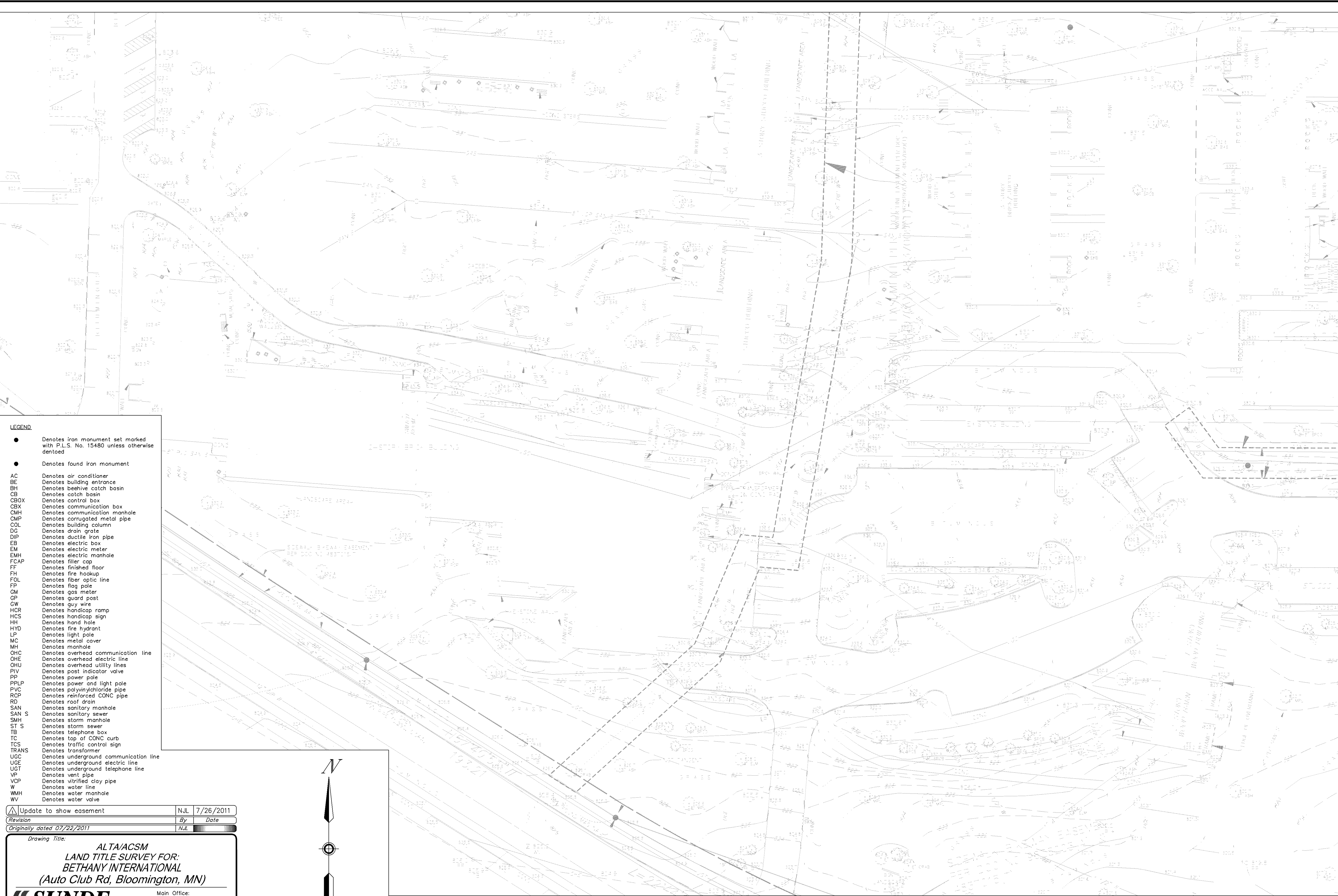


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- LEGEND**
- Denotes iron monument set marked with P.L.S. No. 15480 unless otherwise denoted
 - Denotes found iron monument
 - AC Denotes air conditioner
 - BE Denotes building entrance
 - BH Denotes beehive catch basin
 - CB Denotes catch basin
 - CBOX Denotes control box
 - CSX Denotes communication box
 - CMH Denotes communication manhole
 - CMP Denotes corrugated metal pipe
 - COL Denotes building column
 - DC Denotes drain grate
 - DIP Denotes ductile iron pipe
 - EB Denotes electric box
 - EM Denotes electric meter
 - EMH Denotes electric manhole
 - FCAP Denotes filter cap
 - FF Denotes finished floor
 - FH Denotes fire hookup
 - FOL Denotes fiber optic line
 - FP Denotes flag pole
 - GM Denotes gas meter
 - GP Denotes guard post
 - GW Denotes guy wire
 - HCR Denotes handicap ramp
 - HCS Denotes handicap sign
 - HH Denotes hand hole
 - HYD Denotes fire hydrant
 - LP Denotes light pole
 - MC Denotes metal cover
 - MH Denotes manhole
 - OHCC Denotes overhead communication line
 - OHU Denotes overhead electric line
 - OHUL Denotes overhead utility lines
 - PIV Denotes post indicator valve
 - PP Denotes power pole
 - PPLP Denotes power and light pole
 - PVC Denotes polyvinylchloride pipe
 - RCP Denotes reinforced CONC pipe
 - RD Denotes roof drain
 - SAN Denotes sanitary manhole
 - SAN S Denotes sanitary sewer
 - SMH Denotes storm manhole
 - ST S Denotes storm sewer
 - TB Denotes telephone box
 - TC Denotes top of CONC curb
 - TCS Denotes traffic control sign
 - TRANS Denotes transformer
 - UGC Denotes underground communication line
 - UGC Denotes underground electric line
 - UGT Denotes underground telephone line
 - VP Denotes vent pipe
 - VCP Denotes vitrified clay pipe
 - W Denotes water line
 - WMH Denotes water manhole
 - WV Denotes water valve

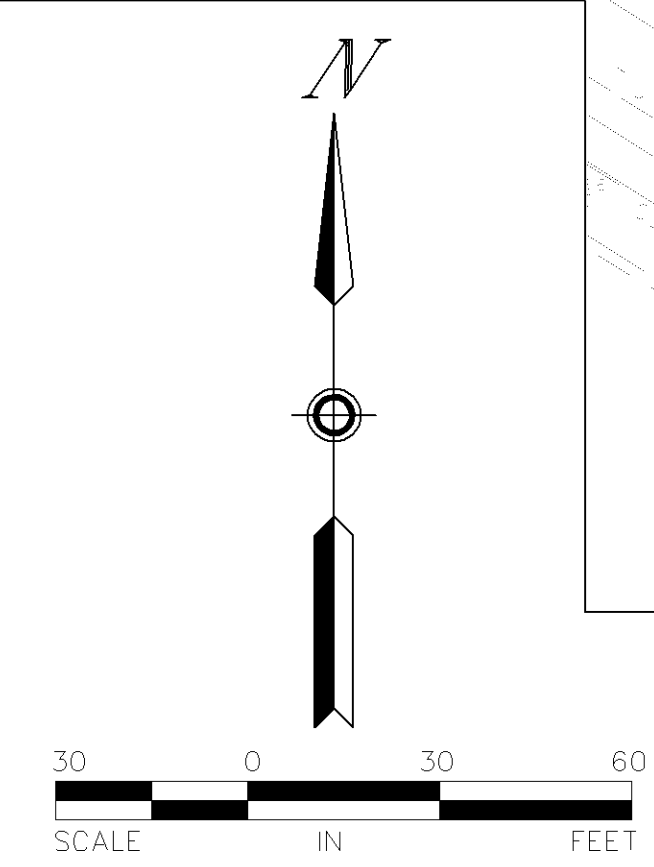
Update to show easement	N.J.L.	7/26/2011
Revision	By	Date
Originally dated 07/22/2011	N.J.L.	

Drawing Title:

**ALTA/ACSM
LAND TITLE SURVEY FOR:
BETHANY INTERNATIONAL
(Auto Club Rd, Bloomington, MN)**

SUNDE LAND SURVEYING
Main Office: 9001 East Bloomington Freeway (35W) • Suite 118
Bloomington, Minnesota 55420-3435
952-881-2455 (Fax: 952-888-9526)
North Office: Brooklyn Park, Minn. 763-784-9346
www.sunde.com

Project: 83-206-B4 Bk/Pg: 485/87 Date: 07/26/2011
Township: 115 Range: 21 Section: 05
File: 83206B4001.dwg Sheet: 2 of 2



Dated this 26th day of July, 2011.
SUNDE LAND SURVEYING, LLC.
By: Mark S. Hanson, P.L.S. Minn. Lic. No. 15480

Plans Approved
Zoning Review Only
Liz O'Day - November 2021

PL2021-160
PL202100160

ISSUED FOR CONSTRUCTION

**BETHANY INTERNATIONAL
WELCOME CENTER**
PREPARED FOR
BETHANY INTERNATIONAL
BLOOMINGTON MN

**EXISTING
CONDITIONS
SURVEY**

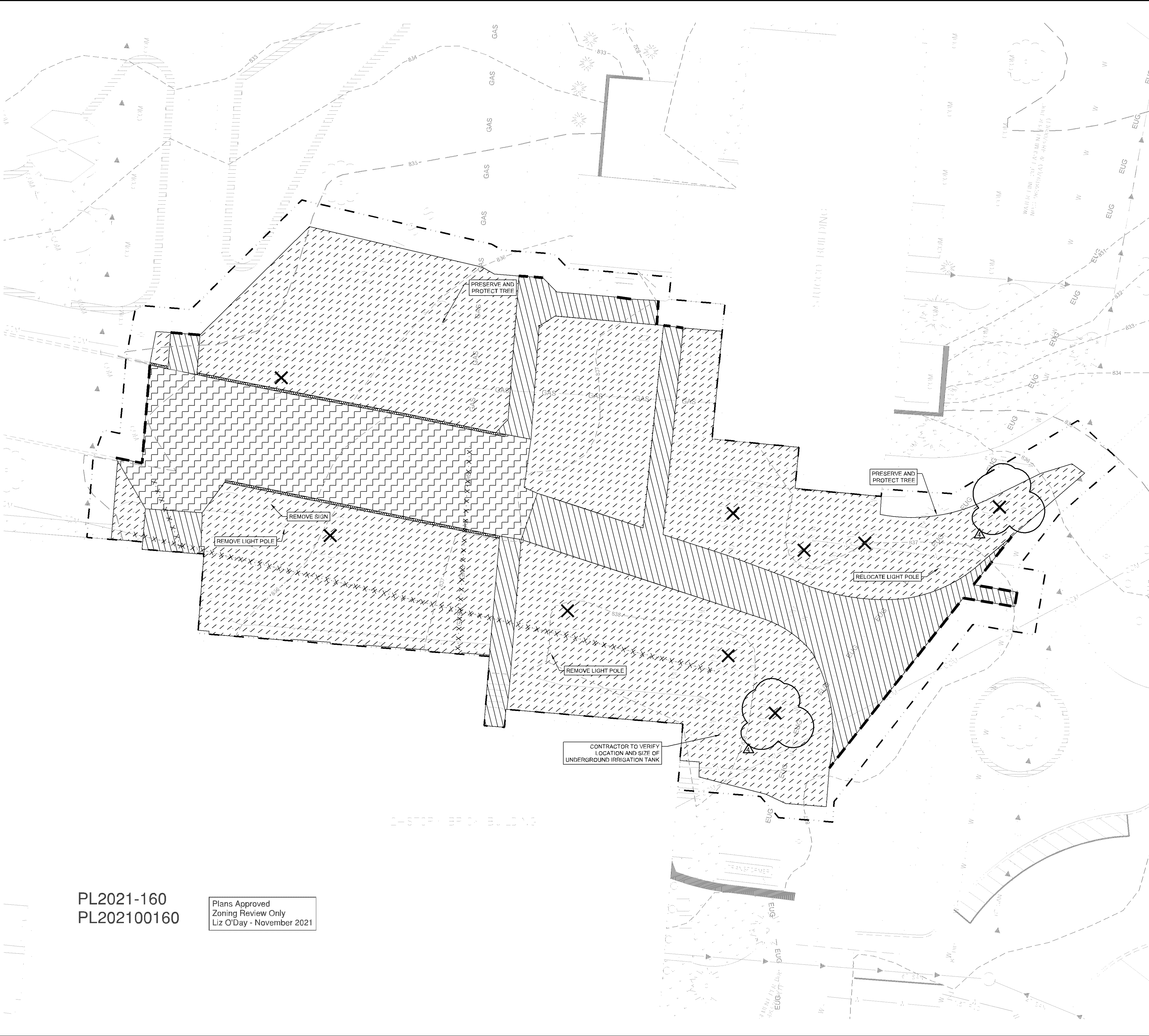
KHA PROJECT	160880005
DATE	08/27/2021
SCALE	AS SHOWN
DESIGNED BY	B/G
DRAWN BY	B/G
CHECKED BY	DLE

THESE CERTIFICATIONS ARE MADE BY THE ENGINEER OR SURVEYOR AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OR SURVEYOR.
DAN ELENBAAS
DANIEL ELENBAAS
08/27/2021 LIC. NO. 4814

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No.	REVISIONS	DATE	BY
4	CITY COMMENTS	11/02/21	DLE
3	CITY COMMENTS	10/25/21	B/G
2	CITY COMMENTS	10/19/21	B/G
1	FOR CONSTRUCTION	10/07/21	B/G

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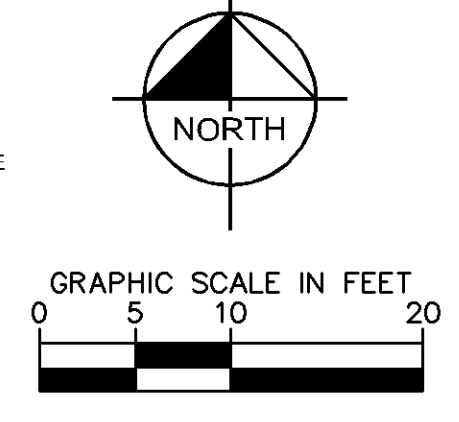
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DEMOLITION PLAN NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE PROJECT DOCUMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. CONTRACTOR SHALL PROVIDE COPIES OF THE PERMIT AND RECEIPTS OF DISPOSAL OF MATERIALS TO THE OWNER AND OWNERS REPRESENTATIVE.
3. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO ADJACENT PROPERTIES AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER AND COORDINATION WITH THE ADJACENT PROPERTIES AND/OR THE CITY.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES WITHIN ALL AREAS OF PROPOSED WORK.
6. CONTRACTOR SHALL WORK WITH OWNER TO DETERMINE ANY ACTIONS THAT MAY BE NECESSARY FOR THE CONTRACTOR TO PERFORM UTILITY REMOVALS OR RELOCATIONS DURING CONSTRUCTION.
7. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS ANY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PRECEDING WITH THE WORK.
8. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
9. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. MAINTENANCE OF TRAFFIC CONTROL SHALL BE COORDINATED IN ACCORDANCE WITH MINNEAPOLIS, HENNEPIN COUNTY AND MNDOT.
10. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES DURING CONSTRUCTION, AND SHALL NOTIFY ALL PROPERTIES IF ACCESS WILL BE INTERRUPTED OR ALTERED AT ANY TIME DURING CONSTRUCTION.
11. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
12. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
13. THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPT. AND THE CITY WATER DEPARTMENT TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY OF MINNEAPOLIS DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
14. REFER TO SURVEY FOR ALL EXISTING INVERT AND RIM ELEVATIONS.
15. ALL UTILITIES SHOWN ARE EXISTING UTILITIES.
16. IN THE EVENT A WELL IS FOUND, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND OWNER IMMEDIATELY. ALL WELLS SHALL BE SEALED BY A LICENSED WELL CONTRACTOR IN ACCORDANCE WITH ALL STATE OF MN REQUIREMENTS.
17. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER AND/OR OWNERS REPRESENTATIVE IMMEDIATELY. ALL CONTAINERS SHALL BE DISPOSED OF AT A PERMITTED LANDFILL PER THE PROJECT DOCUMENTS.
18. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY EXISTING DRAINILE IS ENCOUNTERED ON SITE. NO ACTIVE DRAINILE SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.

LEGEND

	PROPERTY LINE
	REMOVE BITUMINOUS SURFACE
	REMOVE CONCRETE SURFACE
	REMOVE BUILDING
	CLEARING & GRUBBING
	FULL DEPTH SAWCUT
	REMOVE TREE
	REMOVE CONCRETE CURB & GUTTER
	REMOVE UTILITY LINES
	FILL & ABANDON UTILITY LINES
	LIMITS OF CONSTRUCTION
	EXISTING OVERHEAD POWER LINE
	EXISTING CHAINLINK FENCE
	EXISTING J-BARRIER
	EXISTING RETAINING WALL
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	EXISTING GAS MAIN
	EXISTING UNDERGROUND TELEPHONE
	EXISTING UNDERGROUND CABLE
	EXISTING CONTOUR
	EXISTING CURB & GUTTER
	EXISTING SIGN
	EXISTING FLARED END SECTION
	EXISTING STORM MANHOLE
	EXISTING STORM CATCHBASIN
	EXISTING GAS METER
	EXISTING POST INDICATOR VALVE
	EXISTING WELL
	EXISTING AUTOMATIC SPRINKLER
	EXISTING ROOF DRAIN
	EXISTING GATE VALVE
	EXISTING HYDRANT
	EXISTING METAL COVER
	EXISTING ELECTRICAL METER
	EXISTING AIR CONDITIONER
	EXISTING TELEPHONE MANHOLE
	EXISTING CABLE BOX
	EXISTING GUY WIRE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING TREE
	EXISTING TREE LINE



ISSUED FOR CONSTRUCTION

BETHANY INTERNATIONAL WELCOME CENTER

PREPARED FOR

BETHANY INTERNATIONAL

BLOOMINGTON MN

DEMOLITION PLAN

DEMOPLAN

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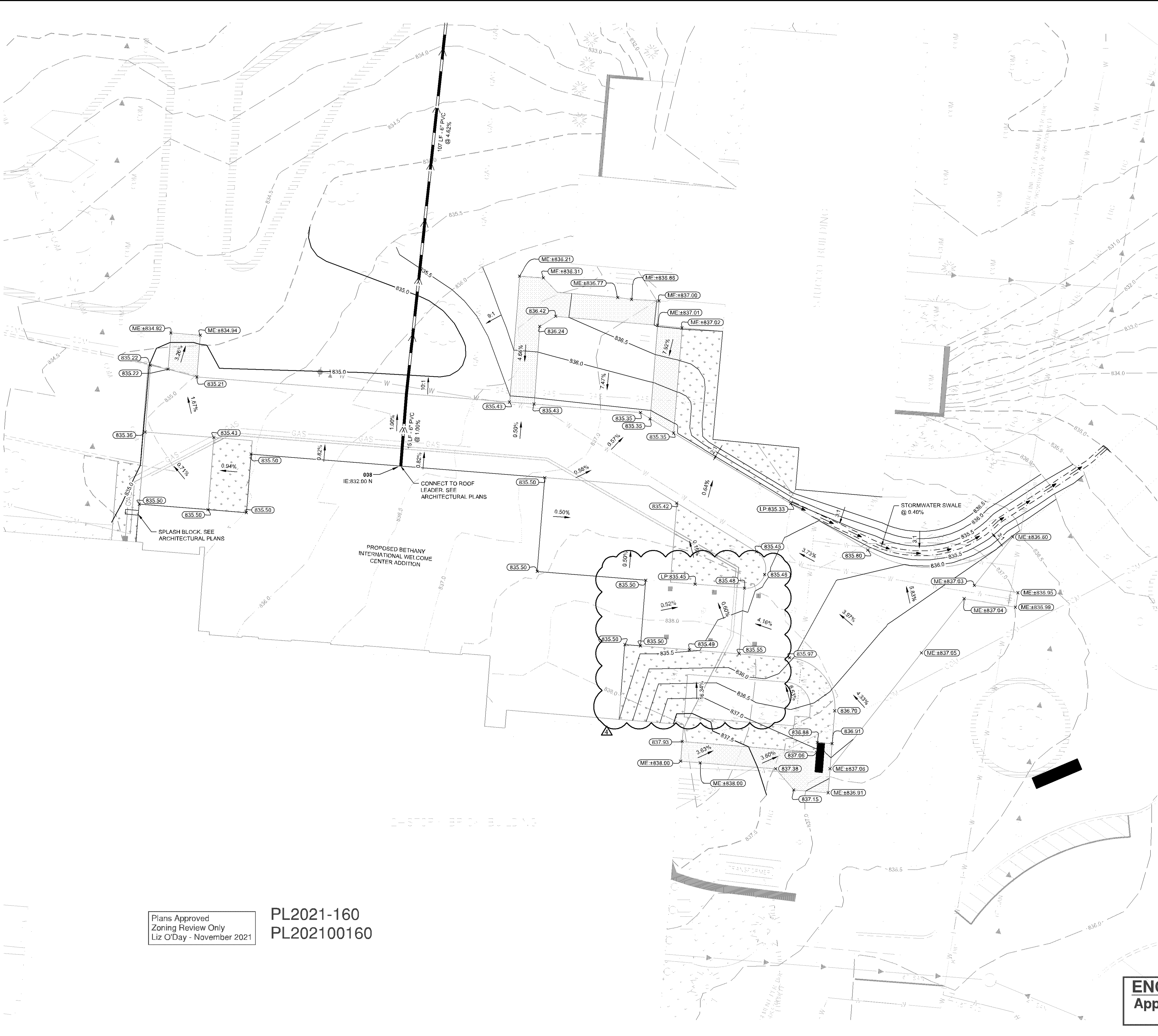
KHA PROJECT	160886005
DATE	08/27/2021
SCALE	AS SHOWN
DESIGNED BY	B/G
DRAWN BY	B/G
CHECKED BY	DLE

LIBRARY CENTER WAS 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.	<i>Dan Glendon</i>
DANIEL L. ELENBAAS	MINN. LIC. NO. 4814

11/02/21	DLE
10/25/21	B/G
10/19/21	B/G
10/07/21	B/G
	BY

K:\TWC_LDEV\Mohagen_Hansen\Bethany International Welcome Center\CAD\PlanSheets\CS-GRADING PLAN.dwg November 10, 2021 - 11:00am

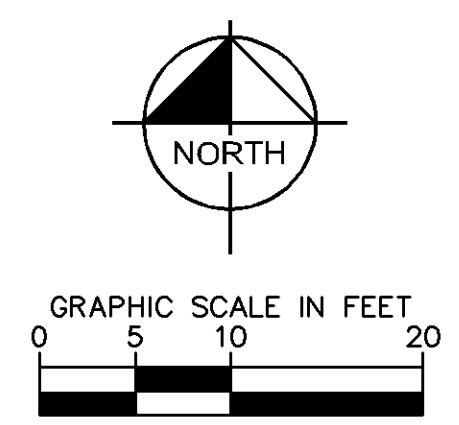
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Liz O'Day - November 2021

PL2021-160
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ENGINEERING DIVISION
Approved By: Julie Long, PE
11/10/2021 2:29:20 PM



LEGEND

	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED STORM MANHOLE (SOLID CASTING)
	PROPOSED STORM MANHOLE (ROUND INLET CASTING)
	PROPOSED STORM MANHOLE / CATCH BASIN (CURB INLET CASTING)
	PROPOSED STORM SEWER CLEANOUT
	PROPOSED FLARED END SECTION
	PROPOSED RIPRAP
	PROPOSED STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED SPOT ELEVATION
	PROPOSED HIGH POINT ELEVATION
	PROPOSED LOW POINT ELEVATION
	PROPOSED GUTTER ELEVATION
	PROPOSED TOP OF CURB ELEVATION
	PROPOSED FLUSH PAVEMENT ELEVATION
	MATCH EXISTING ELEVATION
	PROPOSED EMERGENCY OVERFLOW
	PROPOSED DRAINAGE DIRECTION
	PROPOSED ADA SLOPE

- GRADING PLAN NOTES**
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF BLOOMINGDALE, SPECIFICATIONS AND BUILDING PERMIT REQUIREMENTS.
 - CONTRACTOR TO CALL GOPHER STATE CALL ONE @ <1-800-252-1166> AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION/CONSTRUCTION FOR UTILITY LOCATIONS.
 - STORM SEWER PIPE SHALL BE AS FOLLOWS:
RCP PER ASTM C-76
HDPE 12" OR GREATER PER ASTM F-2396
PVC SCH. 40 PER ASTM D-1785
STORM SEWER FITTINGS SHALL BE AS FOLLOWS:
RCP PER ASTM C-76, JOINTS PER ASTM C-361, C-890, AND C-443
HDPE PER ASTM 3212
PVC PER ASTM D-3034, JOINTS PER ASTM D-3212
 - CONTRACTOR TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF SITE GRADING. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS.
 - SUBGRADE EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER EXCAVATION TO HELP OFFSET ANY STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES. WHEN PLACING NEW SURFACE MATERIAL ADJACENT TO EXISTING PAVEMENT, THE EXCAVATION SHALL BE BACKFILLED PROMPTLY TO AVOID UNDERMINING OF EXISTING PAVEMENT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
 - CONTRACTOR SHALL EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED STORM SEWER ALIGNMENTS.
 - GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL ROUGH GRADE TO SUBGRADE ELEVATION AND LEAVE STREET READY FOR SUBBASE.
 - ALL EXCESS MATERIAL, BITUMINOUS SURFACING, CONCRETE ITEMS, ANY ABANDONED UTILITY ITEMS, AND OTHER UNSTABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.
 - REFER TO THE UTILITY PLAN FOR SANITARY SEWER MAIN, WATER MAIN, AND/OR GAS SERVICE LAYOUTS AND ELEVATIONS AND CASTING / STRUCTURE NOTATION.
 - CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PAVEMENTS AND CURB AND GUTTER WITH SMOOTH UNIFORM SLOPES TO PROVIDE POSITIVE DRAINAGE.
 - INSTALL A MINIMUM OF 4" CLASS 5 AGGREGATE BASE UNDER CURB AND GUTTER AND CONCRETE SIDEWALKS.
 - UPON COMPLETION OF EXCAVATION AND FILLING, CONTRACTOR SHALL RESTORE ALL STREETS AND DISTURBED AREAS ON SITE. ALL DISTURBED AREAS SHALL BE RE-VEGETATED WITH A MINIMUM OF 4" OF TOPSOIL.
 - ALL SPOT ELEVATIONS/CONTOURS ARE TO GUTTER / FLOW LINE UNLESS OTHERWISE NOTED.
 - GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO CURRENT ADA STATE/NATIONAL STANDARDS. IN NO CASE SHALL ACCESSIBLE RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2%. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5%. IN NO CASE SHALL ACCESSIBLE PARKING STALLS OR AISLES EXCEED 2% (1.5% TARGET) IN ALL DIRECTIONS. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS AND GATES SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET IN ANY LOCATION PRIOR TO PAVING. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A COMPLIANCE ISSUES.
 - MAINTAIN A MINIMUM OF 0.5% GUTTER SLOPE TOWARDS LOW POINTS.
 - CONTRACTOR TO PROVIDE 3" INSULATION BY 5" WIDE CENTERED ON STORM PIPE IF LESS THAN 4" OF COVER IN PAVEMENT AREAS AND LESS THAN 3" OF COVER IN LANDSCAPE AREAS.
 - REFER TO ARCHITECTURAL PLANS FOR ALL ROOF DRAIN INVERT CONNECTIONS
 - ALL STORM SEWER CONNECTIONS SHALL BE GASKETED AND WATER TIGHT INCLUDING MANHOLE CONNECTIONS.
 - ALL STORM SEWER PIPE SHALL BE AIR TESTED IN ACCORDANCE WITH THE CURRENT PLUMBING CODE.
 - MAINTAIN A MINIMUM OF 1.25% SLOPE IN BITUMINOUS PAVEMENT AREAS, 0.5% SLOPE IN CONCRETE PAVEMENT AREAS.
 - CONTRACTOR SHALL REVIEW PAVEMENT GRADIENT AND CONSTRUCT "INFALL CURB" WHERE PAVEMENT DRAINS TOWARD GUTTER, AND "OUTFALL" CURB WHERE PAVEMENT DRAINS AWAY FROM GUTTER.

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11/10/21	DLE
10/25/21	BJG
10/19/21	BJG
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	BY

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BETHANY INTERNATIONAL WELCOME CENTER

PREPARED FOR
BETHANY INTERNATIONAL

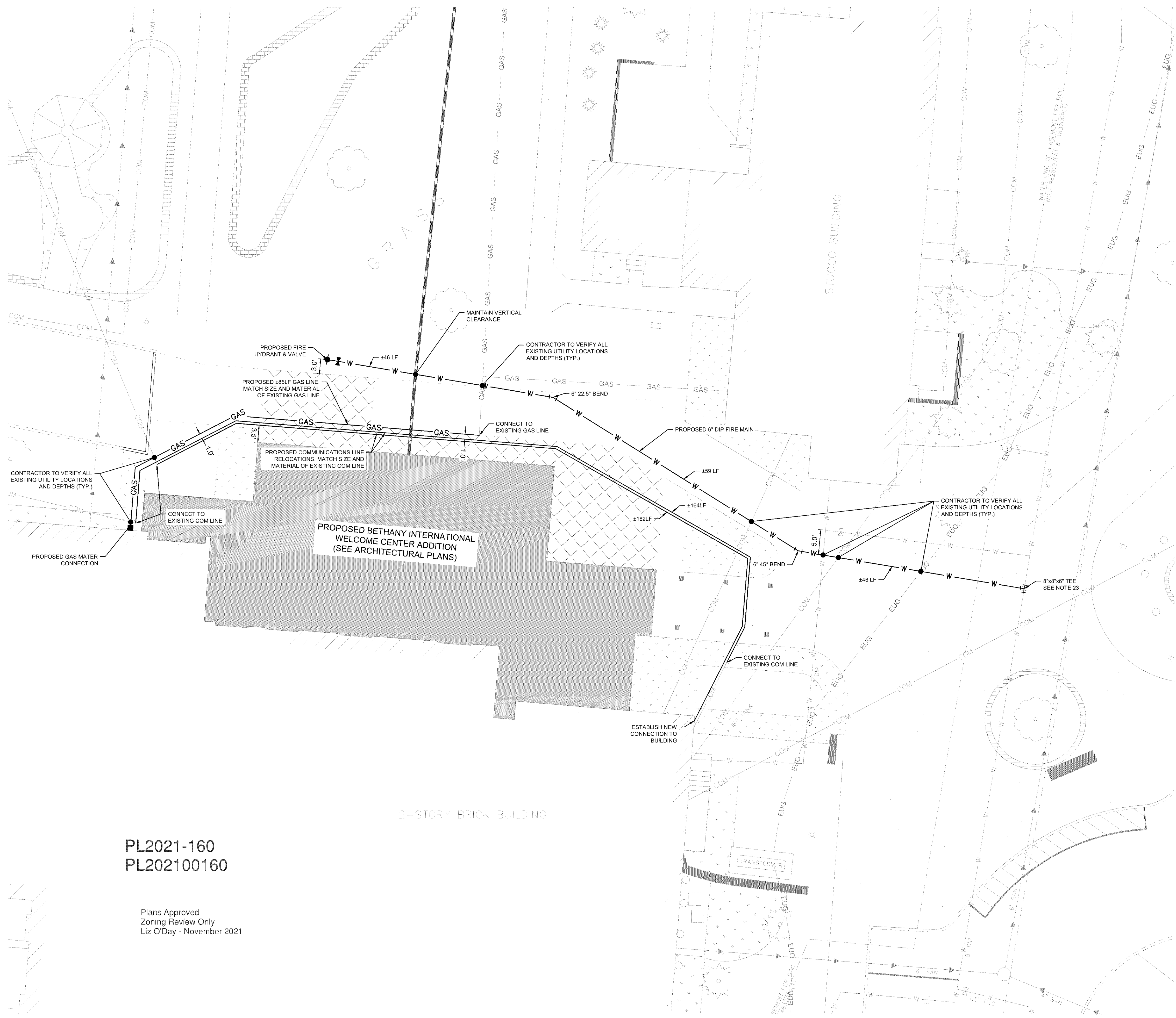
BLOOMINGTON MN

SHEET NUMBER
C600

KHA PROJECT	160880005
DATE	08/27/2021
SCALE	AS SHOWN
DESIGNED BY	BJG
DRAWN BY	BJG
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Dan Gleason
DANIEL L. GLEASON
MN LIC. NO. 4814



LEGEND		
EXISTING	PROPOSED	
		GATE VALVE
		HYDRANT
		REDUCER
		TEE
		SANITARY SEWER MANHOLE
		SANITARY CLEANOUT
		WATERMAIN
		SANITARY SEWER
		STORM SEWER
		STORM SEWER
		ELC
		ELC
		TELEPHONE
		GAS MAIN

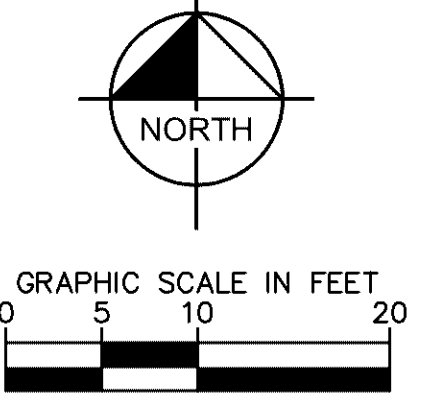
UTILITY PLAN NOTES

- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 8" PVC SDR35 PER ASTM D-3034, FOR PIPES LESS THAN 12' DEEP
 8" PVC SDR26 PER ASTM D-3034, FOR PIPES MORE THAN 12' DEEP
 6" PVC SCHEDULE 40 PER ASTM D-1785
 DUCTILE IRON PIPE PER AWWA C150
- WATER LINES SHALL BE AS FOLLOWS:
 CL 52 DIP, ZINC COATED, V-BIO POLYWRAP.
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH RESTRAINTS SUCH AS THRUST BLOCKING, WITH STAINLESS STEEL OR COBALT BLUE BOLTS, OR AS INDICATED IN THE CITY SPECIFICATIONS AND PROJECT DOCUMENTS.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE OR STRUCTURE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 8'-0" COVER ON ALL WATERLINES.
- IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES, OR ANY OBSTRUCTION (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE 40 OR C900 WITH MECHANICAL JOINTS AT LEAST 10 FEET ON EITHER SIDE OF THE CENTER LINE OF THE CROSSING. THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE FASTENERS AS REQUIRED TO PROVIDE A MINIMUM OF 18" VERTICAL SEPARATION. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI Z1.11 (AWWA C-151) (CLASS 50).
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES. CONTRACTOR SHALL COORDINATE WITH OWNER ON LOCATION OR RELOCATION OF ANY NEW OR EXISTING UTILITY LINES.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF BLOOMINGTON, MN WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- CONTRACTOR SHALL REFERENCE ARCH / MEP PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
- BACKFLOW DEVICES (DDCV AND PRZ ASSEMBLIES) AND METERS ARE LOCATED IN THE INTERIOR OF THE BUILDING. REF. ARCH / MEP PLANS.
- ALL ONSITE WATERMAINS AND SANITARY SEWERS SHALL BE PRIVATELY OWNED AND MAINTAINED.
- ALL WATERMAIN STUBOUTS SHALL BE MECHANICALLY RESTRAINED WITH REACTION BLOCKING.
- CONTRACTOR SHALL ABIDE BY ALL RULES AND REGULATIONS FOUND IN THE CITY OF BLOOMINGTON, MN STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- TAPS OF LIVE WATER MAINS ARE DONE BY CITY FORCES AND PAID FOR AND COORDINATED WITH THE CONTRACTOR. CURRENT PLAN WITH CUT-IN TEE REQUIRES WATER SHUTDOWN FOR SEVERAL BUILDINGS.

PL2021-160
 PL202100160

Plans Approved
 Zoning Review Only
 Liz O'Day - November 2021

ENGINEERING DIVISION
 Approved By: Julie Long, PE
 11/10/2021 2:29:47 PM



NO.	REVISIONS	DATE	BY
1	FOR CONSTRUCTION	10/07/21	BUG
2	CITY COMMENTS	10/19/21	BUG
3	CITY COMMENTS	10/25/21	BUG
4	CITY COMMENTS	11/02/21	DLE

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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
160886005	08/27/2021	AS SHOWN	Daniel Leibenbas	Daniel Leibenbas	Daniel Leibenbas

UTILITY PLAN

ISSUED FOR CONSTRUCTION

BETHANY INTERNATIONAL WELCOME CENTER
 PREPARED FOR
BETHANY INTERNATIONAL
 BLOOMINGTON, MN

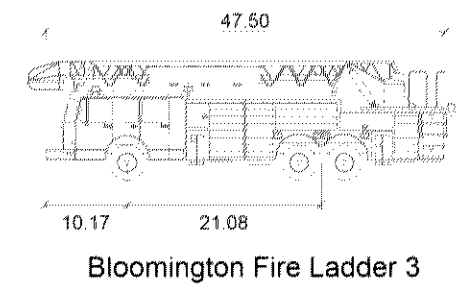
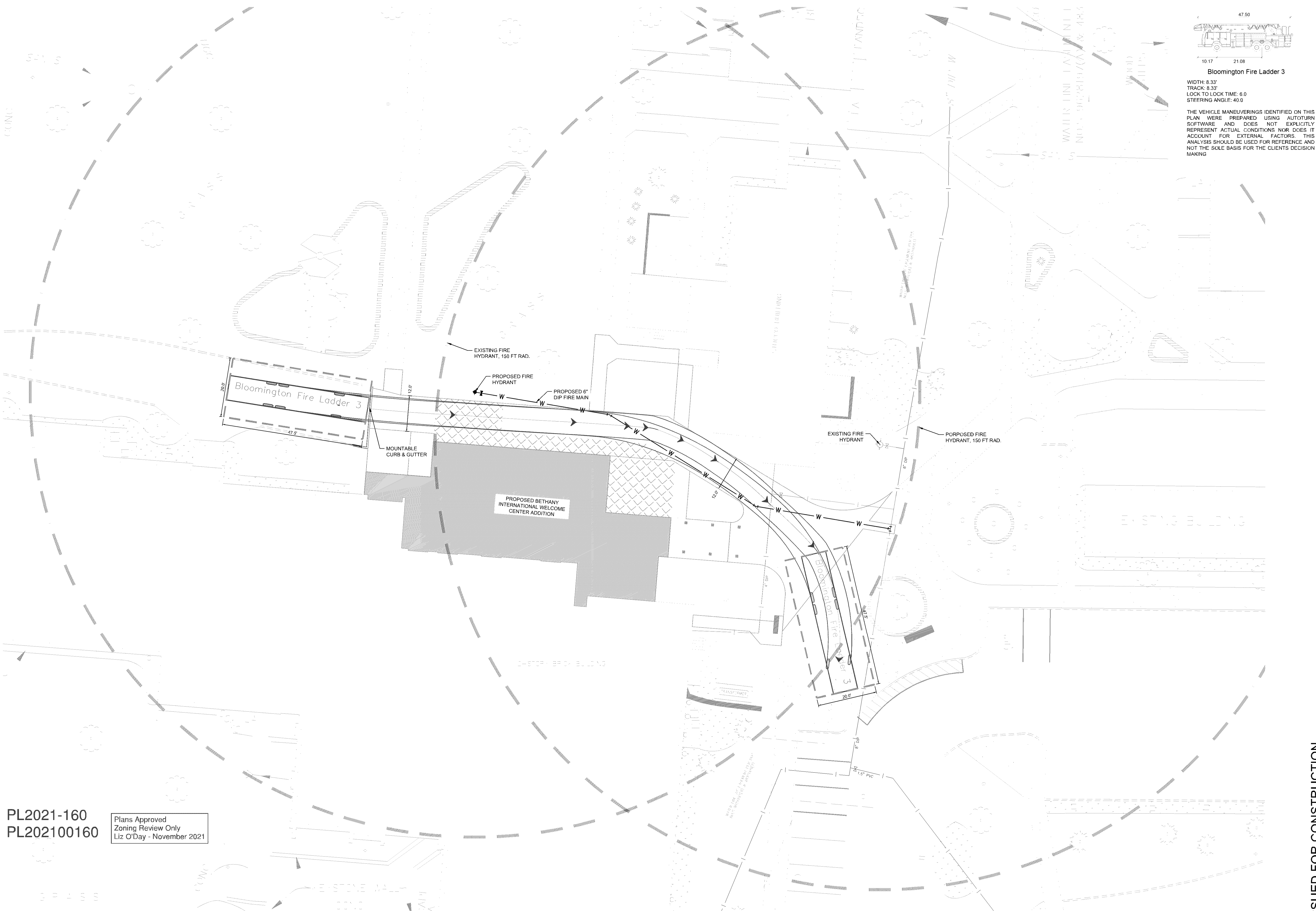
SHEET NUMBER
C700

K:\TWC_LDEV\Mohagen_Hansen\Bethany International Welcome Center\CAD\PlanSheets\EX-1 FIRE TRUCK EXHIBIT.dwg November 10, 2021 - 11:01am

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PL2021-160
PL202100160

Plans Approved
Zoning Review Only
Liz O'Day - November 2021



Bloomington Fire Ladder 3
WIDTH: 8.33'
TRACK: 8.33'
LOCK TO LOCK TIME: 6.0
STEERING ANGLE: 40.0

THE VEHICLE MANEUVERINGS IDENTIFIED ON THIS PLAN WERE PREPARED USING AUTOTURN SOFTWARE AND DOES NOT EXPLICITLY REPRESENT ACTUAL CONDITIONS NOR DOES IT ACCOUNT FOR EXTERNAL FACTORS. THIS ANALYSIS SHOULD BE USED FOR REFERENCE AND NOT THE SOLE BASIS FOR THE CLIENTS DECISION MAKING

No.	REVISIONS	DATE	BY
4	CITY COMMENTS	11/02/21	DLE
3	CITY COMMENTS	10/25/21	BUG
2	CITY COMMENTS	10/19/21	BUG
1	FOR CONSTRUCTION	10/07/21	BUG

Kimley»Horn
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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.
Daniel L. Elenbaas
DANIEL L. ELENBAAS
MN LIC. NO. 4814
DATE: 08/27/2021

KHA PROJECT	160886005
DATE	08/27/2021
SCALE	AS SHOWN
DESIGNED BY	B/G
DRAWN BY	B/G
CHECKED BY	DLE

FIRE ACCESS PLAN

ISSUED FOR CONSTRUCTION
BETHANY INTERNATIONAL WELCOME CENTER
PREPARED FOR
BETHANY INTERNATIONAL
BLOOMINGTON MN
SHEET NUMBER
EXH-1