

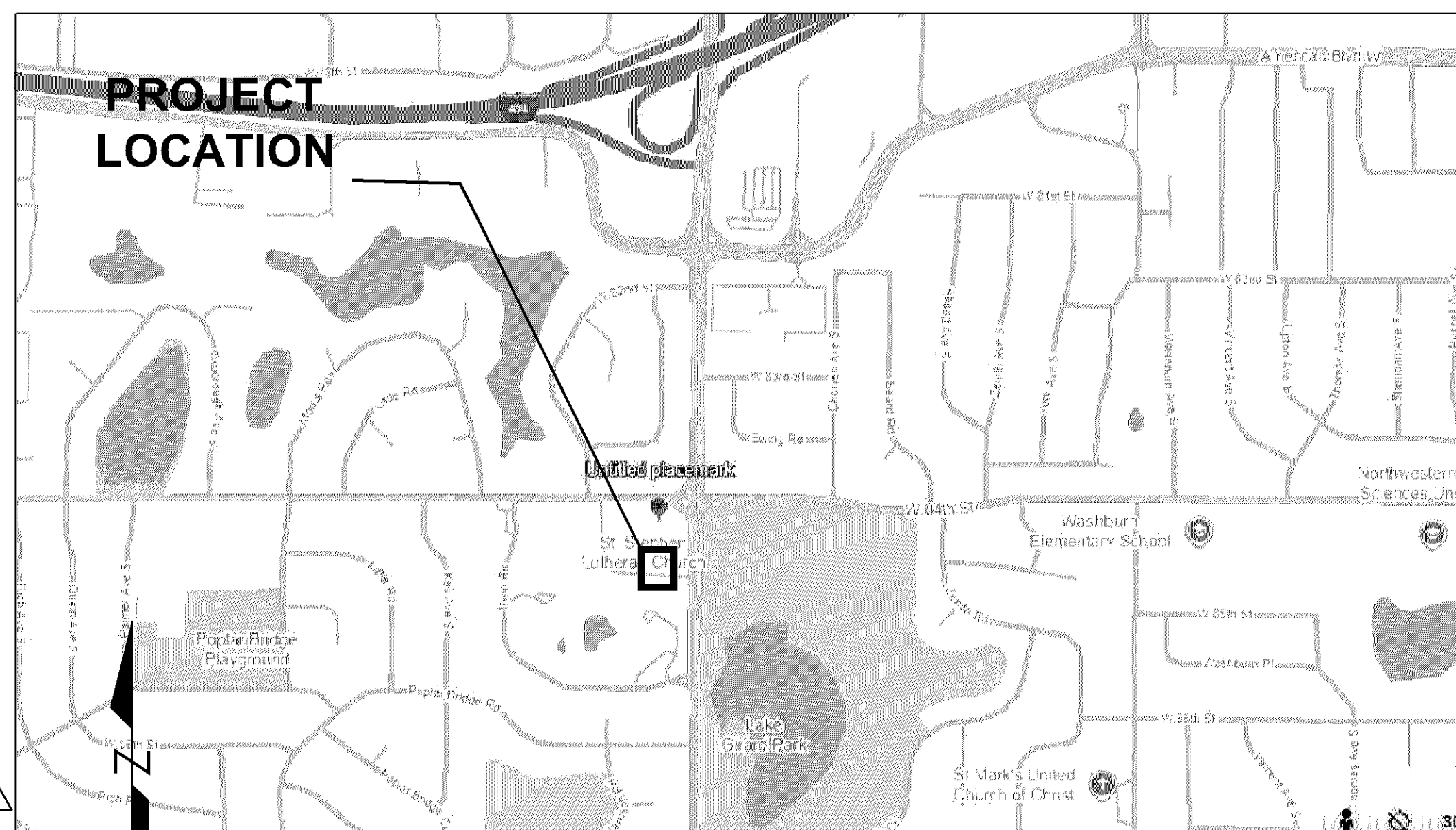
CONSTRUCTION PLANS

FOR SITE, GRADING, DRAINAGE, EROSION CONTROL, UTILITIES, AND LANDSCAPING FOR ST STEPHEN LUTHERAN CHURCH - PARKING LOT IMPROVEMENTS

GENERAL NOTES

- SAFETY NOTICE TO THE CONTRACTORS: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE ENGINEER, THE OWNER, AND/OR THE DEVELOPER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, AND/OR NEAR THE CONSTRUCTION SITE.
- THE DESIGN SHOWN IS BASED ON ENGINEER'S UNDERSTANDING OF EXISTING CONDITIONS BASED UPON THE FIELD SURVEY COMPLETED BY W. BROWN LAND SURVEYING, INC. ON MARCH 9, 2020. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS WITHOUT EXCEPTION, THE CONTRACTOR SHALL HAVE MADE, AT OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE "MnDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", THE "PROTECTING WATER QUALITY IN URBAN AREAS" (BEST MANAGEMENT PRACTICES) PREPARED BY THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA), THE APPLICABLE CITY'S/COUNTY'S SURFACE WATER MANAGEMENT PLAN (SWMP), AND THE LATEST CITY'S/COUNTY'S STANDARD SPECIFICATIONS.
- ALL FEDERAL, STATE, COUNTY, CITY, WATERSHED, AND/OR OTHER PERMITS SHALL BE OBTAINED BY THE CONTRACTOR. ALL COSTS, FEES, ETC. OF SAID PERMITTING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT CONTRACT.
- THE CONTRACTOR SHALL MEET AND MATCH EXISTING CONDITIONS; AND SHALL PROVIDE TRANSITION(S) AS NECESSARY, REQUIRED, AND/OR DIRECTED.
- ALL MATERIALS SHALL MEET THE LATEST CITY'S/COUNTY'S SPECIFICATIONS. ALL CONSTRUCTION SHALL MEET CITY'S/COUNTY'S SPECIFICATIONS, CURRENT EDITION.
- ALL STOCKPILES SHALL BE LOCATED WITHIN THE CONSTRUCTION LIMITS OR DESIGNATED STAGING AREAS AND PROPERLY PROTECTED, STABILIZED, ETC.
- ALL CONSTRUCTION AND POST-CONSTRUCTION PARKING AND STORAGE OF EQUIPMENT AND MATERIALS MUST BE ON-SITE. USE OF PUBLIC STREETS FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING, AND STORAGE WILL NOT BE ALLOWED.
- ALL CONTROL OF WATER AND EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SEQUENCED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS OR STORMWATER POLLUTION PREVENTION PLANS (SWPPP) FOR THE PROJECT. SEE THE RESPECTIVE PLAN(S), DETAILS, AND NOTES FOR ADDITIONAL INFORMATION.
- ALL PUBLIC ROADWAYS, EXISTING BUILDINGS, AND/OR PRIVATE DRIVEWAYS INSIDE THE CONSTRUCTION LIMITS SHALL REMAIN OPEN FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL MINIMIZE DISTURBANCE OF TREES/SHRUBS NOT MARKED FOR REMOVAL, INCLUDING MINIMIZING DISTURBANCE OF SOILS WITHIN THE TREES' DRIFLINE ZONES. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL INSIDE THE TREE DRIFLINES.
- NO CONCRETE OR RUBBLE SHALL BE BACKFILLED ONSITE. BURNING OF DEBRIS ON SITE SHALL NOT BE ALLOWED.
- WETLANDS AREAS DESIGNATED TO BE PROTECTED SHALL BE AVOIDED. ANY WETLAND AREAS DAMAGED BY SITE OPERATIONS SHALL BE RESTORED AS REQUIRED BY THE JURISDICTIONAL AGENCY.
- SHOWN LAYOUTS FOR ARCHITECTURAL, MEP/T, STRUCTURAL, LIGHTING, ETC. WERE CURRENT AT THE TIME OF THE SUBMITTAL - THE CONTRACTOR(S) SHALL VERIFY ALL PRIOR TO THE START OF CONSTRUCTION.
- SEE ALL OTHER CIVIL PLAN SHEETS FOR ADDITIONAL NOTES AND INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL REFER TO ADDITIONAL CONSTRUCTION AND OTHER NOTES ON THE FOLLOWING SHEET(S) PRIOR TO THE START OF CONSTRUCTION.
- WHETHER NOTED OR NOT, ALL NOTES ARE FOR THE CONTRACTOR(S), SUBCONTRACTOR(S), ETC. PERFORMING THEM.
- THE CONTRACTOR(S), SUBCONTRACTOR(S), ETC. SHALL REPORT ANY DISCREPANCIES, MODIFICATIONS, ETC. IN THESE PLANS, THE NOTED REPORTS, ETC. IMMEDIATELY TO THE SIGNING PROFESSIONAL(S) - WITH A WRITTEN FOLLOW UP, PHOTOGRAPHS, COURSE OF ACTION, ETC. FOLLOWING WITHIN FIVE (5) CALENDAR DAYS.
- THE CONTRACTOR SHALL DETERMINE THEIR MEANS AND METHODS TO REDUCE THE AREA DISTURBED IN THE PUBLIC ROW.
- THE WATERSHED AGENCY FOR THIS PROJECT IS THE NINE MILE CREEK WATERSHED DISTRICT (NMCWD).
- PROPERTY IRONS SHALL BE VERIFIED AND REPLACED PRIOR TO ISSUING THE CERTIFICATE(S) OF OCCUPANCY BY THE CITY/COUNTY.
- ENCROACHMENTS INTO COUNTY AND/OR STATE ROW ARE NOT ALLOWED UNLESS WRITTEN AUTHORIZATION HAS BEEN GRANTED FROM SAID AGENCY.
- CONSTRUCTION IN RIGHT-OF-WAY: ALL WORK ON AT LEAST UTILITIES, CURBS, DRIVEWAYS, ALLEYS, AND SIDEWALKS WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE DONE TO CITY/COUNTY STANDARDS AND SPECIFICATIONS BY A CONTRACTOR LICENSED AND INSURED TO WORK IN THE CITY.

VICINITY MAP

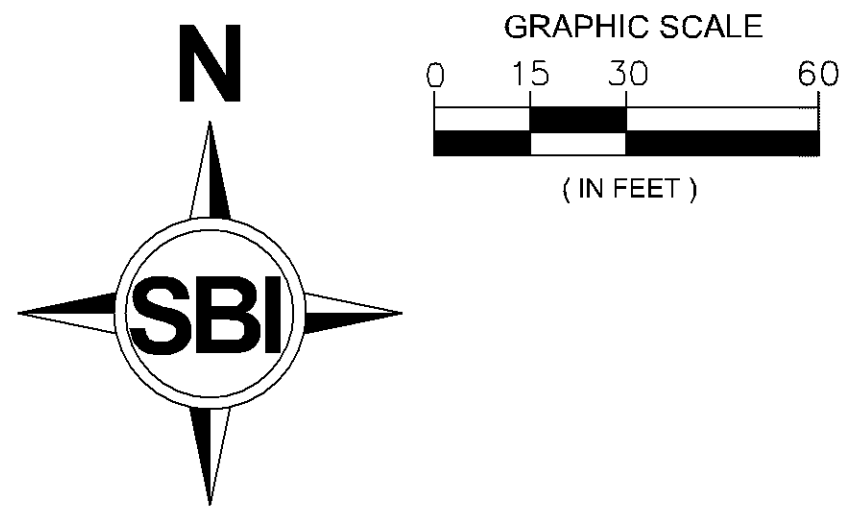
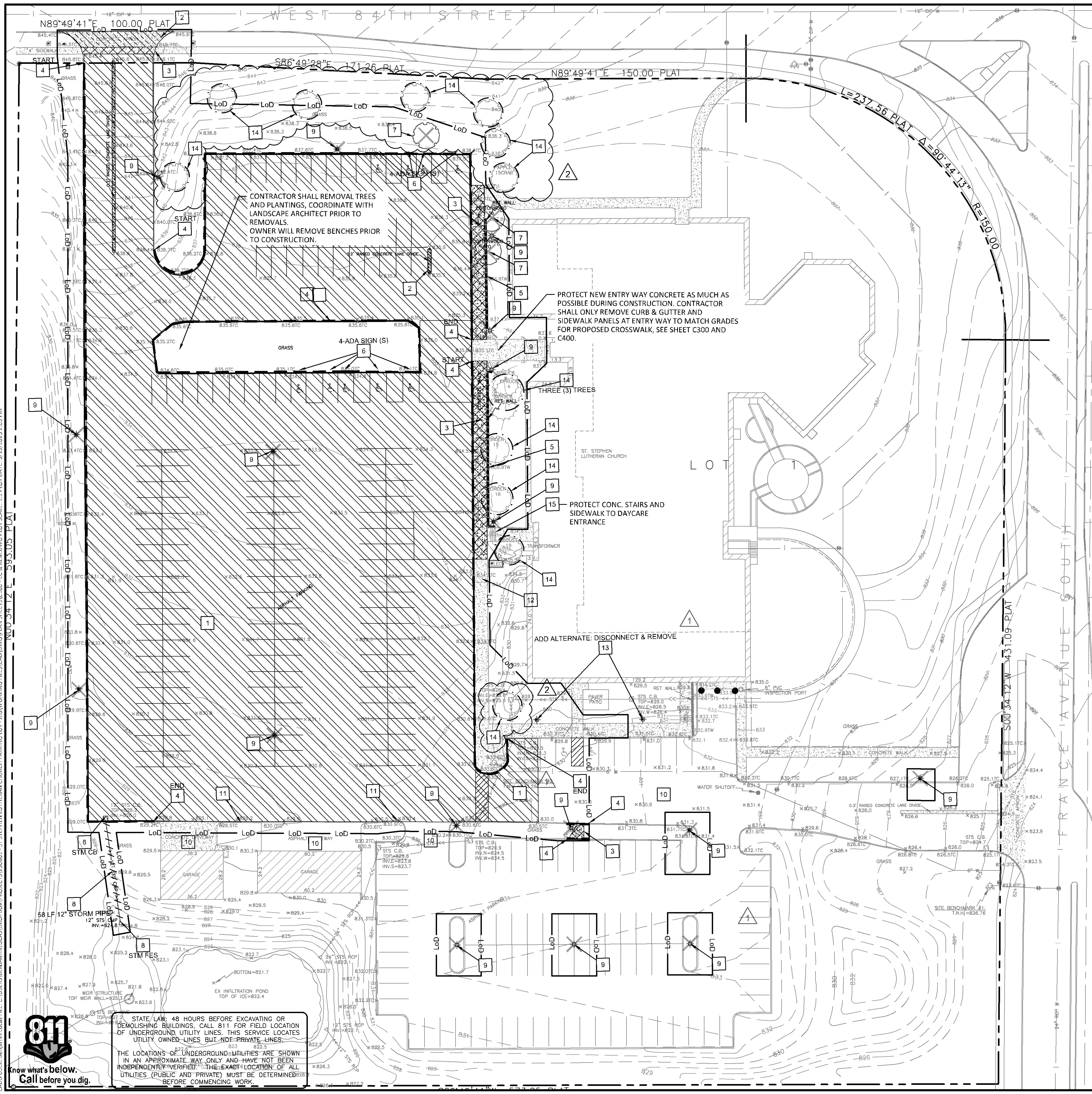


ABBREVIATIONS

- NOTES:
1. NOT ALL OF THE SHOWN ABBREVIATIONS ARE UTILIZED WITHIN THIS CONSTRUCTION PLAN SET.
2. ALL SHOWN ABBREVIATIONS MAY BE WITH OR WITHOUT PERIODS.
3. ADDITIONAL ABBREVIATIONS MAY BE SHOWN ON THESE AND OTHER CIVIL SHEETS.
- BIT = BITUMINOUS ASPHALT
BMP, BMPs, BMPs, BMP's = BEST MANAGEMENT PRACTICES
BOC = BACK OF CURBING
BTM = BOTTOM
BW = BOTTOM OF (RETAINING) WALL (AT GROUND/FACE)
C&G = CURB AND GUTTER
C, COMM = COMMUNICATION (UTILITY LINE)
C, CONC. = CONCRETE
CB# = STORM SEWER CATCH BASIN, INLET/INTAKE, ETC.
CBMH# = STORM SEWER CATCH BASIN MANHOLE
CD = CONSTRUCTION DOCUMENTS (PHASE)
CIP = CAST-IN-PLACE (CONCRETE)
CL, C = CENTERLINE
CO# = SANITARY/STORM SEWER CLEANOUT
CPP = CORRUGATED PLASTIC/POLYETHYLENE PIPE
DD = DESIGN DEVELOPMENT (PHASE)
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
DT = DRAIN TILE (UTILITY LINE)
DWY = DRIVEWAY
E = ELECTRICAL (UTILITY LINE)
EG = EXISTING GRADE
ELEV, EL = ELEVATION
ENT = ENTRANCE
EOF = EMERGENCY OVERFLOW (LOCATION AND/OR ELEVATION)
ESMT OR EASE = EASEMENT
EX, EXIST. = EXISTING
FDC = FIRE DEPARTMENT CONNECTION
FEMA = FEDERAL EMERGENCY MANAGEMENT AGENCY
FES = FLARED END SECTION
FFE = FINISHED FLOOR ELEVATION
FG = FINISHED GRADE
FH, HYD = FIRE HYDRANT
FM = FORCE MAIN
FO = FIBER OPTIC (UTILITY LINE)
FUT. = FUTURE
GAS = GAS LINE (UTILITY LINE)
G = GUTTER
GEN. = GENERATOR
GV = GATE VALVE
HDPE = HIGH-DENSITY POLYETHYLENE PIPE
HP = HIGH POINT
HWL = HIGH WATER LEVEL
IFC = ISSUED FOR CONSTRUCTION
INV = INVERT/FLOWLINE OF FEATURE
LP = LOW POINT
LS = LANDSCAPE/LANDSCAPING
MH#, STM# = STORM SEWER MANHOLE
MATCH = MATCH (EXISTING)
MEP = MECHANICAL, ELECTRICAL, PLUMBING
MEP/T = MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS
MH = MANHOLE
MPCA = MINNESOTA POLLUTION CONTROL AGENCY
MUTCD = MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N/A = NOT APPLICABLE, OR NOT CONSTRUCTED
NPDES = NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
OH = OVERHEAD
OHP = OVERHEAD POWER
OHT = OVERHEAD TELEPHONE/INTERNET
OHTV = OVERHEAD TELEVISION
OCS# = OUTLET CONTROL STRUCTURE
PDR = PRELIMINARY DESIGN REVIEW
PE = POLYETHYLENE PIPE
P.E. = PROFESSIONAL ENGINEER
PL, R = PROPERTY LINE
PP = POWER POLE
PR, PROP. = PROPOSED
PRELIM. = PRELIMINARY
PVC = POLYVINYL CHLORIDE PIPE
RCP = REINFORCED CONCRETE PIPE
RIM = RIM OF STRUCTURE
ROW, R/W = RIGHT-OF-WAY
SAN MH#, SSMH# = SANITARY SEWER MANHOLE
SBI = SOLUTION BLUE, INC. (PLAN, REPORT, ETC. CREATOR)
SD = SCHEMATIC DESIGN (PHASE)
SS, SAN = SANITARY SEWER OR SERVICE
STA = ALIGNMENT STATION
STM, ST = STORM SEWER OR SERVICE
SW, S/W = SIDEWALK/WALK
SWMP = SURFACE WATER MANAGEMENT PLAN
SWPPP = STORMWATER POLLUTION PREVENTION PLAN
T, TEL = TELEPHONE (UTILITY LINE)
TBD = TO BE DETERMINED (IN FUTURE PHASE)
TC, T/C = TOP OF CURBING
TP = TOTAL PHOSPHORUS
TRANS = TRANSFORMER
TSS = TOTAL SUSPENDED SOLIDS
TV = TELEVISION (UTILITY LINE)
TW = TOP OF (RETAINING) WALL
TYP. = TYPICAL
UG = UNDERGROUND
WM, WTR = WATERMAIN
ZC = ZERO CURB
- UNITS/MEASUREMENTS:
AC = ACRE
AF, AC. FT. = ACRE-FEET
CF, CU. FT. = CUBIC FEET
CFS = CUBIC FEET PER SECOND
CY, CU. YDS. = CUBIC YARDS
EA = EACH
FT = FEET
GPM = GALLONS PER MINUTE
HR = HOUR
IN = INCH/INCHES
LS, LBS. = POUNDS
LI, LIN. FT. = LINEAR FEET
MIN = MINUTE
SF, SQ. FT. = SQUARE FEET
SY, SQ. YDS. = SQUARE YARDS

INDEX OF SHEETS

Sheet List Table			
Sheet Number	Sheet Title	Revision No.	Revision Date
C000	CIVIL COVER SHEET	ADD #02	03.18.25
C001	GENERAL NOTES AND INFORMATION	ADD #02	03.18.25
C002	GENERAL NOTES AND INFORMATION		
C100	EXISTING CONDITIONS & REMOVALS PLAN	ADD #02	03.18.25
C200	SWPPP NARRATIVE		
C201	SWPPP NARRATIVE	ADD #02	03.18.25
C202	EROSION & SEDIMENT CONTROL DETAILS		
C210	EROSION & SEDIMENT CONTROL PLAN - PH I	ADD #02	03.18.25
C211	EROSION & SEDIMENT CONTROL PLAN - PH II	ADD #02	03.18.25
C300	CIVIL SITE PLAN - NORTH	ADD #02	03.18.25
C301	CIVIL SITE PLAN - SOUTH	ADD #02	03.18.25
C302	CIVIL SITE PLAN - ACCESSIBILITY LAYOUT		
C400	GRADING & DRAINAGE PLAN - NORTH	ADD #02	03.18.25
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C402	ACCESSIBILITY PLAN		
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C900	CIVIL DETAILS		
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C902	GENERAL DETAILS	ADD #02	03.18.25
G001	COVER SHEET & NOTES	ADD #02	03.18.25
L001	MATERIALS SCHEDULE	ADD #02	03.18.25
L100	MATERIALS PLAN	ADD #02	03.18.25
L300	PLANTING SCHEDULES	ADD #02	03.18.25
L301	PLANTING PLAN	ADD #02	03.18.25
L302	PLANTING PLAN ENLARGEMENTS	ADD #02	03.18.25
L303	PLANTING PLAN ENLARGEMENTS	ADD #02	03.18.25
L500	DETAILS	ADD #01	03.10.25
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L510	TYPICAL PLANTING DETAILS		
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS		
E101	ELECTRICAL SITE LIGHTING DEMOLITION PLAN	ADD #01	03.10.25
E201			



ST. STEPHEN
LUTHERAN CHURCH
BLOOMINGTON, MN

ST STEPHEN LUTHERAN CHURCH - PARKING LOT IMPROVEMENTS 8400 FRANCE AVE S, MN 55431

PERMIT

LEGEND

EXISTING	REMOVALS
PROPERTY LINE	CURB AND GUTTER REMOVAL
BUILDING	WALL REMOVAL
TOPOGRAPHIC INDEX CONTOUR	UTILITY REMOVAL
TOPOGRAPHIC CONTOUR	SAWCUT
CURB & GUTTER	
STORM SEWER	
SANITARY SEWER	
WATERMAIN	
DRAIN TILE	BITUMINOUS PAVEMENT REMOVAL
GAS LINE	CONCRETE SIDEWALK REMOVAL
OVERHEAD ELECTRIC	CONCRETE REMOVAL
UNDERGROUND ELECTRIC	
TELEPHONE	
SWALE	
SOIL BORINGS	
SPOT ELEVATION	EXISTING FEATURE REMOVAL
FLARED END SECTION	TREE PROTECTION
RIP RAP	
SIGN & BOLLARD	
LIGHT POLE	
ADA PAVEMENT MARKING	
PARKING STALL COUNT	

SITE DATA

ZONING: R-1
OVERLAY ZONING, ETC.: N/A

PARCEL/LOT:

TOTAL LOT AREA	330,965 SQ. FT. = 7.598 AC
EXISTING IMPERVIOUS AREA(S): (AS SURVEYED AND ON PARCEL/LOT)	
PAVEMENT, SIDEWALK	136,526.54 SQ. FT. = 3.13 AC
GARAGE & CHURCH ROOF	41,863.90 SQ. FT. = 0.96 AC
PLAYGROUND	1,650.75 SQ. FT. = 0.04 AC
RET WALL, CONCRETE, ETC.	1,537.09 SQ. FT. = 0.04 AC
TOTAL	181,578.28 SQ. FT. = 4.17 AC
	IMPERVIOUS = 54.90% OF PARCEL/LOT

- KEYNOTES**
- REMAINING AREA IS PERVIOUS (GRASSED W/ SOME TREES).
 - REMOVE BITUMINOUS
 - REMOVE CONCRETE APRON
 - REMOVE CONCRETE SIDEWALK
 - REMOVE CURB & GUTTER
 - REMOVE BLOCK RETAINING WALL
 - REMOVE SIGN AND SALVAGE SIGN
 - REMOVE TREE
 - REMOVE STORM STRUCTURE
 - REMOVE LIGHT POLE + BASE, SEE NOTES ON ELECTRICAL PLAN SHEET E101
 - PROTECT DRIVEWAY
 - PROTECT CURB & GUTTER
 - PROTECT CONCRETE SIDEWALK
 - PROTECT LIGHT POLE + BASE, SEE NOTES ON ELECTRICAL PLAN SHEET E101
 - PROTECT TREE

- NOTES**
- THE CONTRACTOR SHALL REFER TO CONSTRUCTION NOTES ON THE "GENERAL NOTES AND INFORMATION" SHEETS PRIOR TO THE START OF CONSTRUCTION.
 - PROTECT AND MAINTAIN ANY EXISTING FEATURES NOT SHOWN FOR REMOVAL, RELOCATION, SALVAGE, ETC.
 - THE CONTRACTOR SHALL DETERMINE THEIR MEANS AND METHODS TO REDUCE THE AREA DISTURBED IN THE PUBLIC ROW.
 - TO THE EXTENT FEASIBLE, THE CONTRACTOR SHALL MINIMIZE THE AREAS OF DISTURBANCE TO THE PROPOSED IMPROVEMENT AREA(S).
 - REMOVE EXISTING CONCRETE FEATURES (E.G., PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC.) TO NEAREST JOINT LINE WITH FULL-DEPTH SAWCUTS.
 - REMOVE AND REPAIR EXISTING AND PUBLIC SIDEWALK THAT IS HEAVED, CRACKED, DETERIORATED, HOLDING WATER, AND/OR ASPHALT PATCHED TO THE NEAREST JOINT LINE.
 - THERE ARE KNOWN STREET LIGHTING POLES ADJACENT TO THE PROJECT AREA. HOWEVER, THE SUPPLY LINES ARE NOT FULLY KNOWN.

BENCHMARKS (BM)
NONE PROVIDED.

SUMMARY
DESIGNED: BJL DRAWN: BJL
REVIEWED: BJL
PHASE: PERMIT INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
1	02/14/2025	BID SET
2	03/16/2025	ADDENDUM #01
3	03/18/2025	ADDENDUM #02

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.

Benjamin Lucas
BENJAMIN LUCAS
DATE: 03.18.2025 REG. NO. 54265

EXISTING CONDITIONS & REMOVALS PLAN
SOLUTION BLUE PROJECT NO: 230801

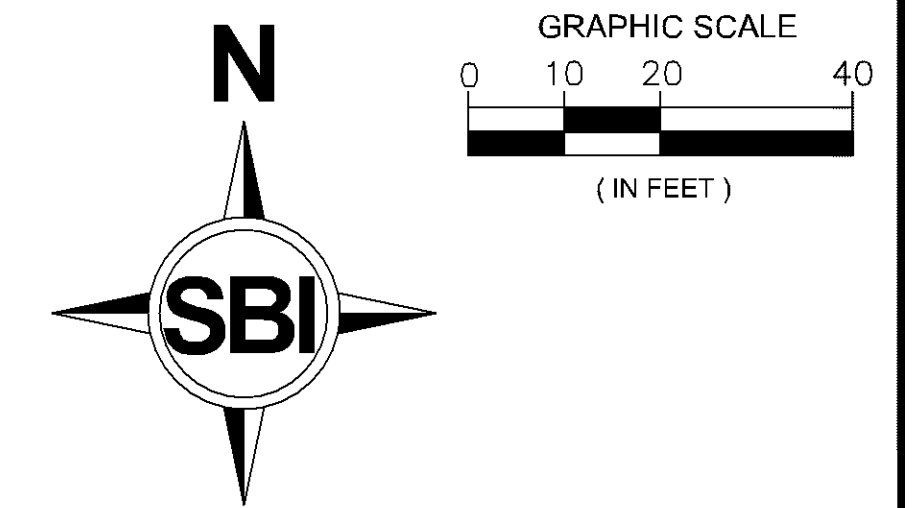
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CADD USER: Benjamin Lucas FILE: C:\USERS\BENJAMIN LUCAS\PROJECTS\230801 - ST. STEPHEN LUTHERAN CHURCH PARKING LOT - I\WORKING FILES\CADD\PLAN SHEETS\CD - FC & REM.DWG PLOT SCALE: 1:1 PLOT DATE: 3/19/2025 2:03 PM

STATE LAW: 48 HOURS BEFORE EXCAVATING OR DEMOLISHING BUILDINGS, CALL 811 FOR FIELD LOCATION OF UNDERGROUND UTILITY LINES. THIS SERVICE LOCATES UTILITY OWNED LINES BUT NOT PRIVATE LINES.

THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE EXACT LOCATION OF ALL UTILITIES (PUBLIC AND PRIVATE) MUST BE DETERMINED BEFORE COMMENCING WORK.

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ST. STEPHEN
LUTHERAN CHURCH
BLOOMINGTON, MN

**ST. STEPHEN LUTHERAN CHURCH -
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S, MN 55431

PERMIT

LEGEND

	PROPOSED	EXISTING
PROPERTY LINE	— LoD —	— — —
LIMITS OF DISTURBANCE	▨	▨
BUILDING	▨	▨
CURB & GUTTER	▨	▨
SOIL BORINGS	⊕	⊕
FENCE	— X — X —	— X — X —
SIGN	⊗	⊗
LIGHT POLE	⊙	⊙
PARKING STALL COUNT	⊗	⊗
ADA PAVEMENT MARKING	♿	♿
STANDARD DUTY BITUMINOUS	▨	▨
CONCRETE SIDEWALK	▨	▨
CONCRETE PAVING	▨	▨

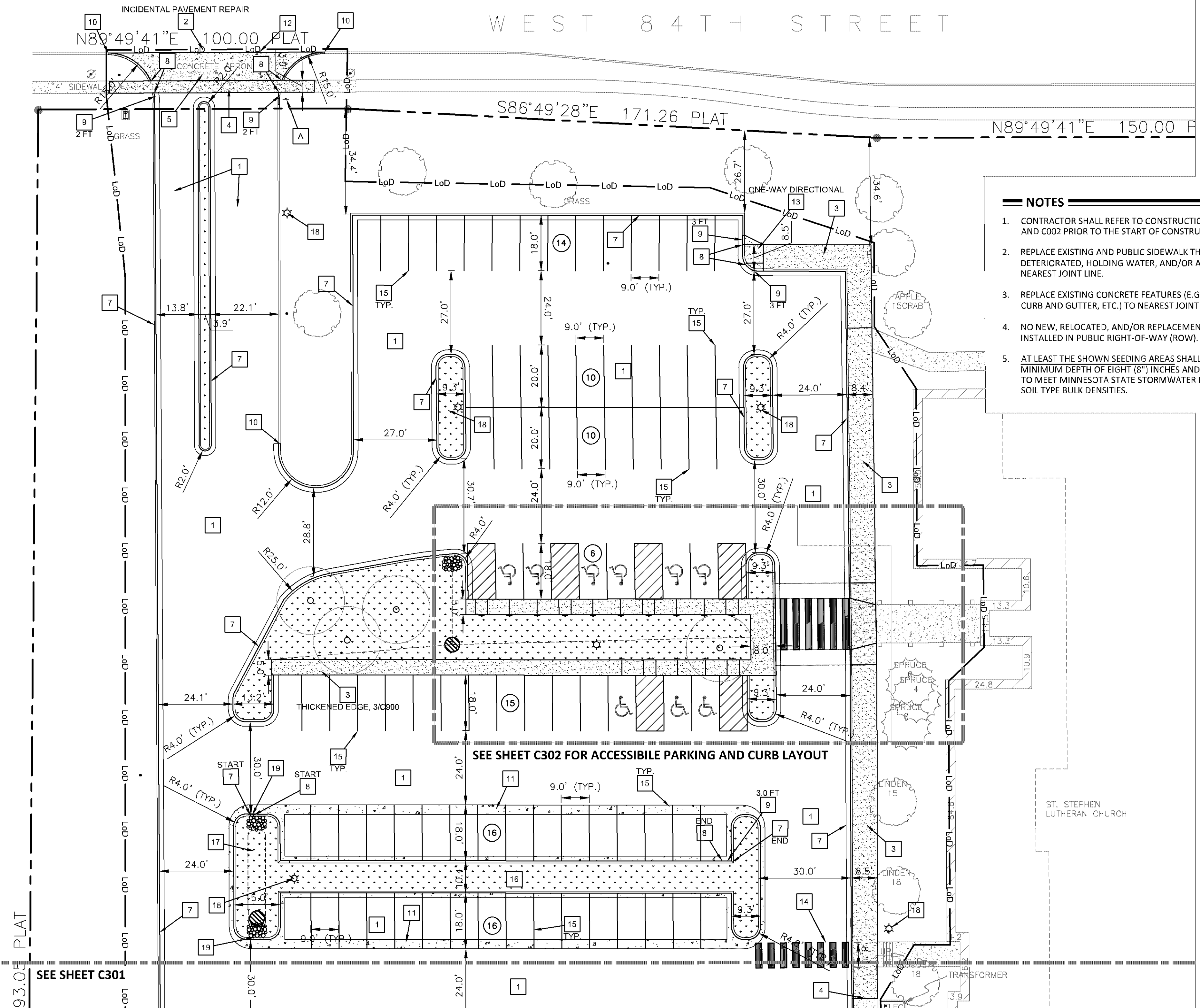
SITE DATA

LOT AREA:	7.60 AC
DISTURBED AREA:	2.60 AC
RECONSTRUCTED SIDEWALK	1,900 SQ. FT. = 0.04 AC
NEW SIDEWALK	1,905 SQ. FT. = 0.04 AC
RECONSTRUCTED BITUMINOUS	75,396 SQ. FT. = 1.73 AC
NEW BITUMINOUS	3,669 SQ. FT. = 0.08 AC
EXISTING IMPERVIOUS AREA:	3.20 AC
PROPOSED NEW IMPERVIOUS AREA:	3.14 AC
NET IMPERVIOUS REDUCED:	0.06 AC
REQUIRED PARKING SPACES:	
1 SPACE / 3 VISITORS IN EACH OF THE FOLLOWING SERVICES:	
MAIN SANCTUARY - 460 CAPACITY	154 SPACES
CROSSOVER SERVICE (LOBBY) - 200 CAPACITY	66 SPACES
ADULT EDUCATION - 60 CAPACITY	60 SPACES
1 SPACE / STAFF OR VOLUNTEER ON SUNDAYS:	
SUNDAY STAFF - 8 EMPLOYEES	8 SPACES
SUNDAY VOLUNTEERS - 20 VOLUNTEERS	20 SPACES
TOTAL	268 SPACES
PROPOSED PARKING SPACES:	
9' X 20'	148 SPACES
ADA	9 SPACES
TOTAL	157 SPACES
EXISTING	103 SPACES
TOTAL	260 SPACES

- NOTES**
- CONTRACTOR SHALL REFER TO CONSTRUCTION NOTES ON SHEETS C001 AND C002 PRIOR TO THE START OF CONSTRUCTION.
 - REPLACE EXISTING AND PUBLIC SIDEWALK THAT IS HEAVED, CRACKED, DETERIORATED, HOLDING WATER, AND/OR ASPHALT PATCHED TO THE NEAREST JOINT LINE.
 - REPLACE EXISTING CONCRETE FEATURES (E.G., PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC.) TO NEAREST JOINT LINE.
 - NO NEW, RELOCATED, AND/OR REPLACEMENT SIGNAGE SHALL BE INSTALLED IN PUBLIC RIGHT-OF-WAY (ROW).
 - AT LEAST THE SHOWN SEEDING AREAS SHALL BE LOOSENED TO A MINIMUM DEPTH OF EIGHT (8") INCHES AND SOIL AMENDMENTS ADDED TO MEET MINNESOTA STATE STORMWATER MANUAL PREDEVELOPMENT SOIL TYPE BULK DENSITIES.

- KEYNOTES**
- BITUMINOUS PAVEMENT - NORMAL DUTY (SEE DETAIL 1/C900)
 - BITUMINOUS PAVEMENT - MATCH IN KIND
 - CONCRETE SIDEWALK (SEE DETAIL 2/C900)
 - CONCRETE SIDEWALK - MATCH EXISTING
 - CONCRETE DRIVEWAY APRON (SEE DETAIL 100/C902)
 - RAISED CROSSWALK (SEE DETAIL 3/C901)
 - B-618 CONCRETE CURB AND GUTTER (SEE DETAIL 6/C900)
 - FLUSH CONCRETE CURB (SEE DETAIL 8/C900)
 - TRANSITION FROM FLUSH CONCRETE CURB TO OR 6" CURB (SEE GRADING PLAN)
 - CONCRETE CURB AND GUTTER - MATCH EXISTING
 - CONCRETE VALLEY GUTTER (SEE DETAIL 2/C902)
 - ACCESSIBLE STALL STRIPING (SEE DETAIL 1/C901)
 - ACCESSIBLE RAMP (SEE DETAIL SHEET C403)
 - CROSSWALK PAVEMENT MARKINGS (SEE DETAIL 1/C901)
 - 4" HIGH VISIBILITY SOLID WHITE PAINT (SEE NOTE 4 ON SHEET C001)
 - BERMED LANDSCAPE AREA (SEE LANDSCAPE PLANS)
 - RAIN GARDEN (SEE GRADING PLAN)
 - LIGHT POLE & BASE (SEE ELECTRICAL PLANS FOR SIZE AND EXACT LOCATION)
 - CURB CUT WITH RIP RAP (SEE DETAIL 1/C902)

- SIGN SCHEDULE (PER MN MUTCD)**
- STOP SIGN R1-1 (30" X 30") - 1 SIGN
 - HANDICAP PARKING SIGN R7-8M (12" X 18") 9 SIGNS
 - HANDICAP ACCESSIBLE AISLE SIGN (12" X 18") WITH VAN ACCESSIBLE SIGN R7-8B (12" X 6") 6 SIGNS



93.05 PLAT
SEE SHEET C301

BENCHMARKS (BM)
NONE PROVIDED.

SUMMARY

DESIGNED: B.J.L.	DRAWN: B.J.L.
REVIEWED: B.J.L.	
PHASE: PERMIT	INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
	02/14/2025	BID SET
1	03/19/2025	ADDENDUM #01
2	03/19/2025	ADDENDUM #02

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.

Benjamin Lucas
BENJAMIN LUCAS

DATE: 03.18.2025 REG. NO. 54265

CIVIL SITE PLAN - NORTH

SOLUTION BLUE PROJECT NO: 230801

C300

NOTES

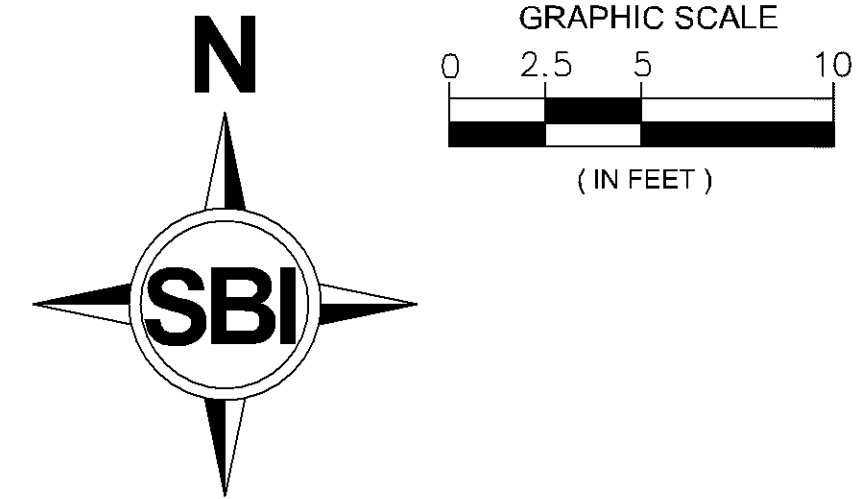
- SEE SHEET C300 FOR SITE PLAN DATA AND GENERAL CONSTRUCTION NOTES.

KEYNOTES

- NOT USED
- NOT USED
- CONCRETE SIDEWALK (SEE DETAIL 2/C900)
- NOT USED
- NOT USED
- RAISED CROSSWALK (SEE DETAIL 3/C901)
- B-618 CONCRETE CURB AND GUTTER (SEE DETAIL 6/C900)
- FLUSH CONCRETE CURB (SEE DETAIL 8/C900)
- TRANSITION FROM FLUSH CONCRETE CURB TO OR 6" CURB (SEE GRADING PLAN)
- NOT USED
- NOT USED
- ACCESSIBLE STALL STRIPING (SEE DETAIL 1/C901)
- ACCESSIBLE RAMP (SEE DETAIL SHEET C403)
- CROSSWALK PAVEMENT MARKINGS (SEE DETAIL 1/C901)
- 4" HIGH VISIBILITY SOLID WHITE PAINT (SEE NOTE 4 ON SHEET C001)
- NOT USED
- NOT USED
- LIGHT POLE & BASE (SEE ELECTRICAL PLANS FOR SIZE AND EXACT LOCATION)
- CURB CUT WITH RIP RAP (SEE DETAIL 1/C902)

SIGN SCHEDULE (PER MN MUTCD)

- A. NOT USED
- B. HANDICAP PARKING SIGN R7-8M (12" X 18") - 9 SIGNS
- C. HANDICAP ACCESSIBLE AISLE SIGN (12" X 18") WITH VAN ACCESSIBLE SIGN R7-8B (12" X 6") - 6 SIGNS



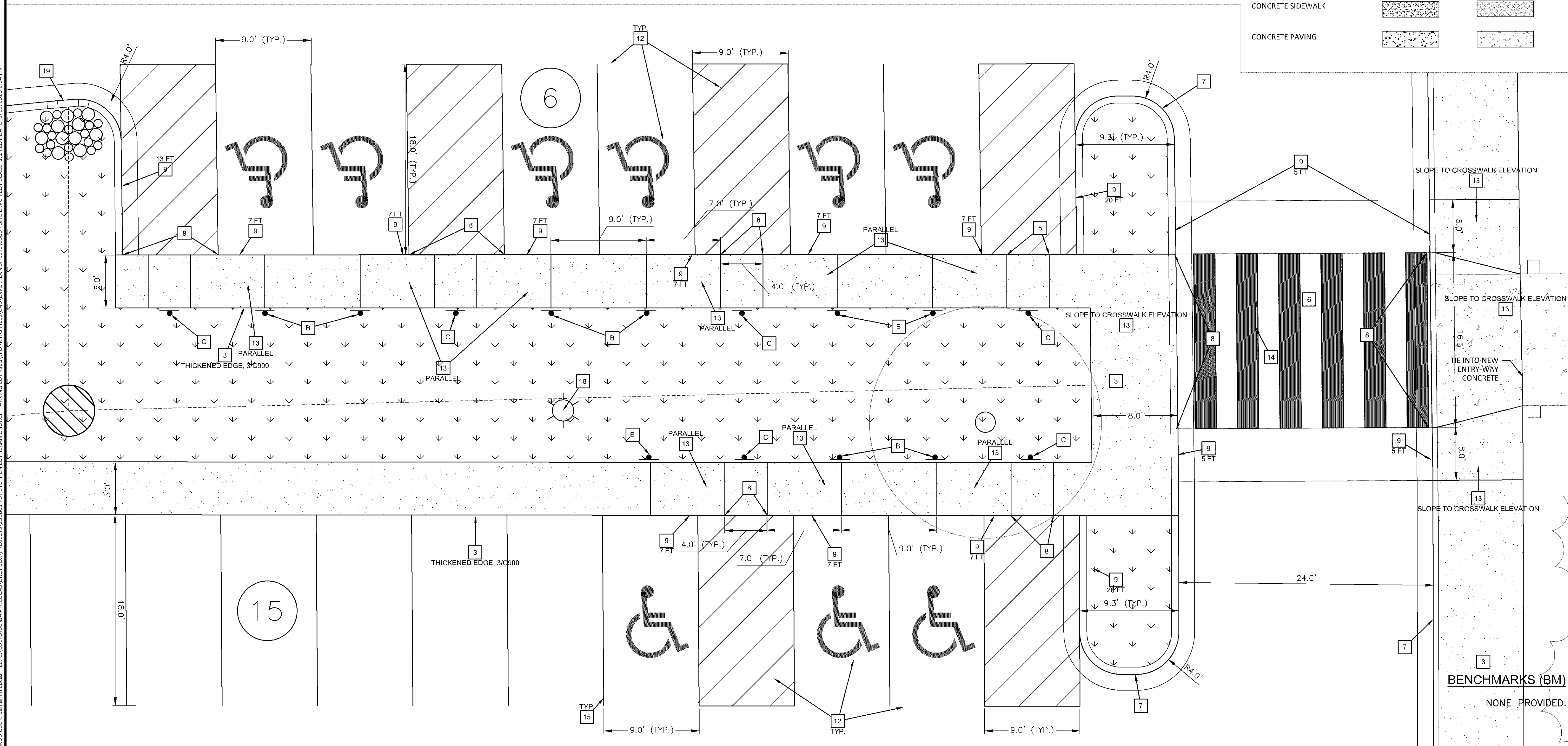
ST. STEPHEN
LUTHERAN CHURCH
BLOOMINGTON, MN

**ST STEPHEN LUTHERAN CHURCH -
PARKING LOT IMPROVEMENTS**
 8400 FRANCE AVE S, MN 55431
PERMIT

LEGEND

	PROPOSED	EXISTING
PROPERTY LINE	— LoD —	— — — —
LIMITS OF DISTURBANCE	=====	=====
BUILDING	=====	=====
CURB & GUTTER	=====	=====
SOIL BORINGS	⊕	⊕
FENCE	— X — X —	— X — X —
SIGN	⊕	⊕
LIGHT POLE	⊕	⊕
PARKING STALL COUNT	⊕	⊕
ADA PAVEMENT MARKING	♿	♿
STANDARD DUTY BITUMINOUS	▭	▭
CONCRETE SIDEWALK	▭	▭
CONCRETE PAVING	▭	▭

ACCESSIBLE PARKING SPACES LAYOUT



SUMMARY

DESIGNED: BJL DRAWN: BJL
 REVIEWED: BJL
 PHASE: PERMIT INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
0	02/14/2025	BID SET
1	03/10/2025	ADDENDUM #01
2	03/18/2025	ADDENDUM #02

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.

Benjamin Lucas
 BENJAMIN LUCAS

DATE: 03.18.2025 REG. NO. 54265

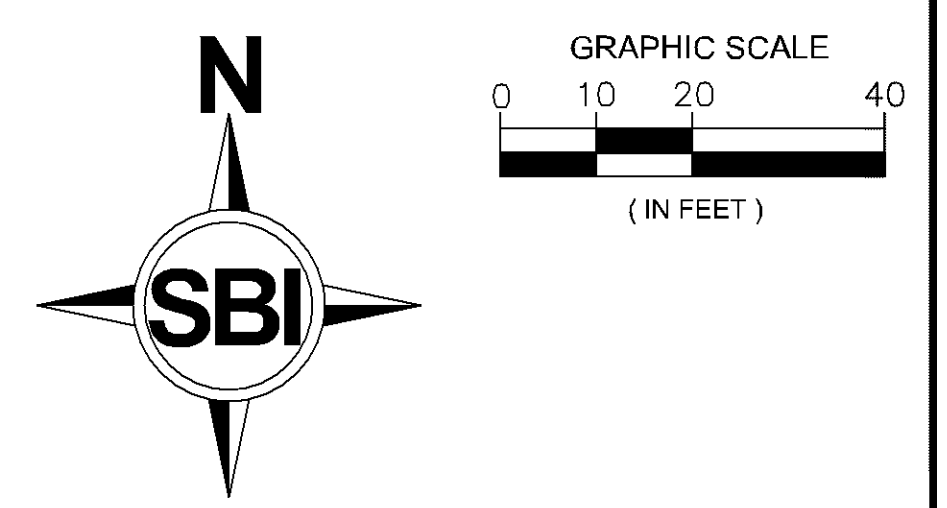
**CIVIL SITE PLAN -
ACCESSIBILITY LAYOUT**

SOLUTION BLUE PROJECT NO: 230801

C302

**ST STEPHEN LUTHERAN CHURCH -
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S, MN 55431

PERMIT



LEGEND

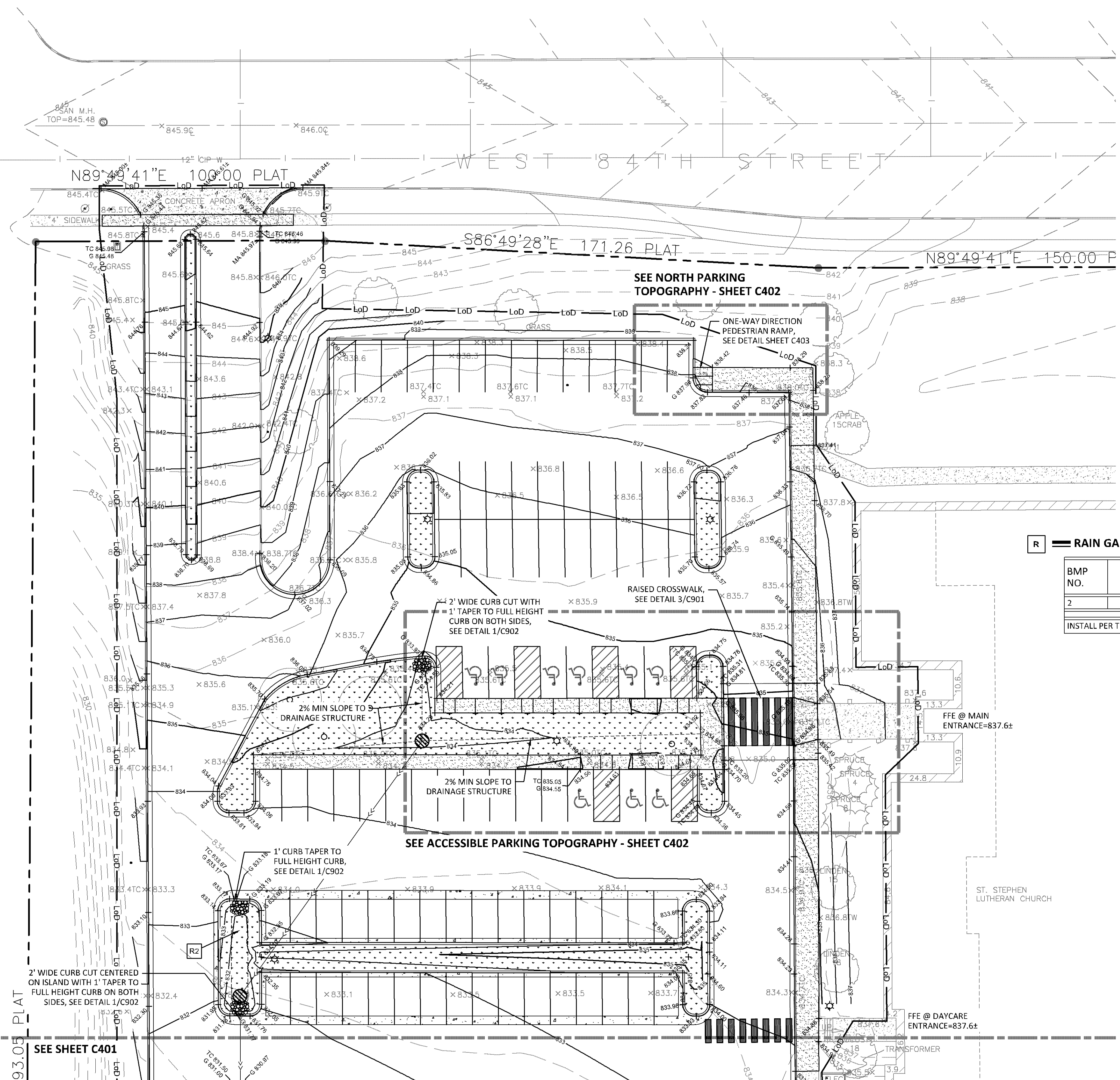
	PROPOSED	EXISTING
PROPERTY LINE	LoD	LoD
LIMITS OF DISTURBANCE	LoD	LoD
BUILDING	LoD	LoD
TOPOGRAPHIC INDEX CONTOUR	800	800
TOPOGRAPHIC CONTOUR	802	802
CURB & GUTTER	LoD	LoD
STORM SEWER	DT	DT
DRAINTILE	DT	DT
SWALE	DT	DT
SOIL BORINGS	+	+
DRAINAGE SLOPE	1.0%	1.0%
EMERGENCY OVERFLOW	EOF	EOF
FLARED END SECTION	EOF	EOF
RIP RAP	+	+
GUTTER OUT CURB	+	+
SPOT ELEVATION	+800.00	+800.00
TOP OF CURB	TC 800.00	TC 800.00
GUTTER	G 800.00	G 800.00
MATCH EXISTING	MA 800.00	MA 800.00
CONCRETE	C 800.00	C 800.00

- NOTES**
- CONTRACTOR SHALL REFER TO CONSTRUCTION NOTES ON THE 'GENERAL CONSTRUCTION NOTES' SHEETS PRIOR TO THE START OF CONSTRUCTION.
 - PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED SURFACE GRADE.

RAIN GARDENS

BMP NO.	TOP ELEV.	BOTTOM ELEV.	BERM (EOF)			CB RIM	100 YR HWL
			ELEV.	LENGTH	BREADTH		
2	832.30	831.00	831.77	2.5 FT	2 FT	831.53	831.87

INSTALL PER THE DETAIL ON 8/C901



SUMMARY
DESIGNED: B.J.L. DRAWN: B.J.L.
REVIEWED: B.J.L.
PHASE: PERMIT INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
0	02/14/2025	BID SET
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2	03/18/2025	ADDENDUM #02

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Benjamin Lucas
BENJAMIN LUCAS
DATE: 03.18.2025 REG. NO. 54265

GRADING & DRAINAGE PLAN - NORTH
SOLUTION BLUE PROJECT NO: 230801

C400
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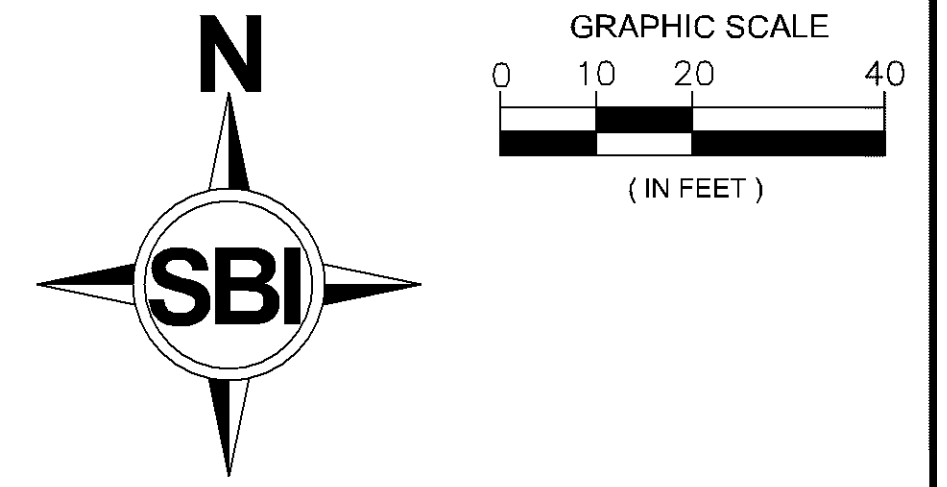
CADD USER: Benjamin Lucas FILE: C:\USERS\BENJAMIN.LUCAS\BRODPROX\PROJECTS\230801 - ST STEPHEN LUTHERAN CHURCH PARKING LOT - IUG\WORKING FILES\CADD\DRAWING\PLAN SHEETS\C400 - GRADING.PLOT SCALE: 1:1 PLOT DATE: 3/19/2025 2:05 PM

2" WIDE CURB CUT CENTERED ON ISLAND WITH 1" TAPER TO FULL HEIGHT CURB ON BOTH SIDES, SEE DETAIL 1/C902
SEE SHEET C401

BENCHMARKS (BM)
NONE PROVIDED.

BMP NO.	TOP ELEV.	BOTTOM ELEV.	BERM (EOF)			CB RIM	100 YR HWL
			ELEV.	LENGTH	BREADTH		
3	830.40	829.00	829.88	2.5 FT	2 FT	829.63	830.03
4	828.80	827.00	828.32	2.5 FT	2 FT	827.91	828.46

INSTALL PER THE DETAIL ON 8/C901



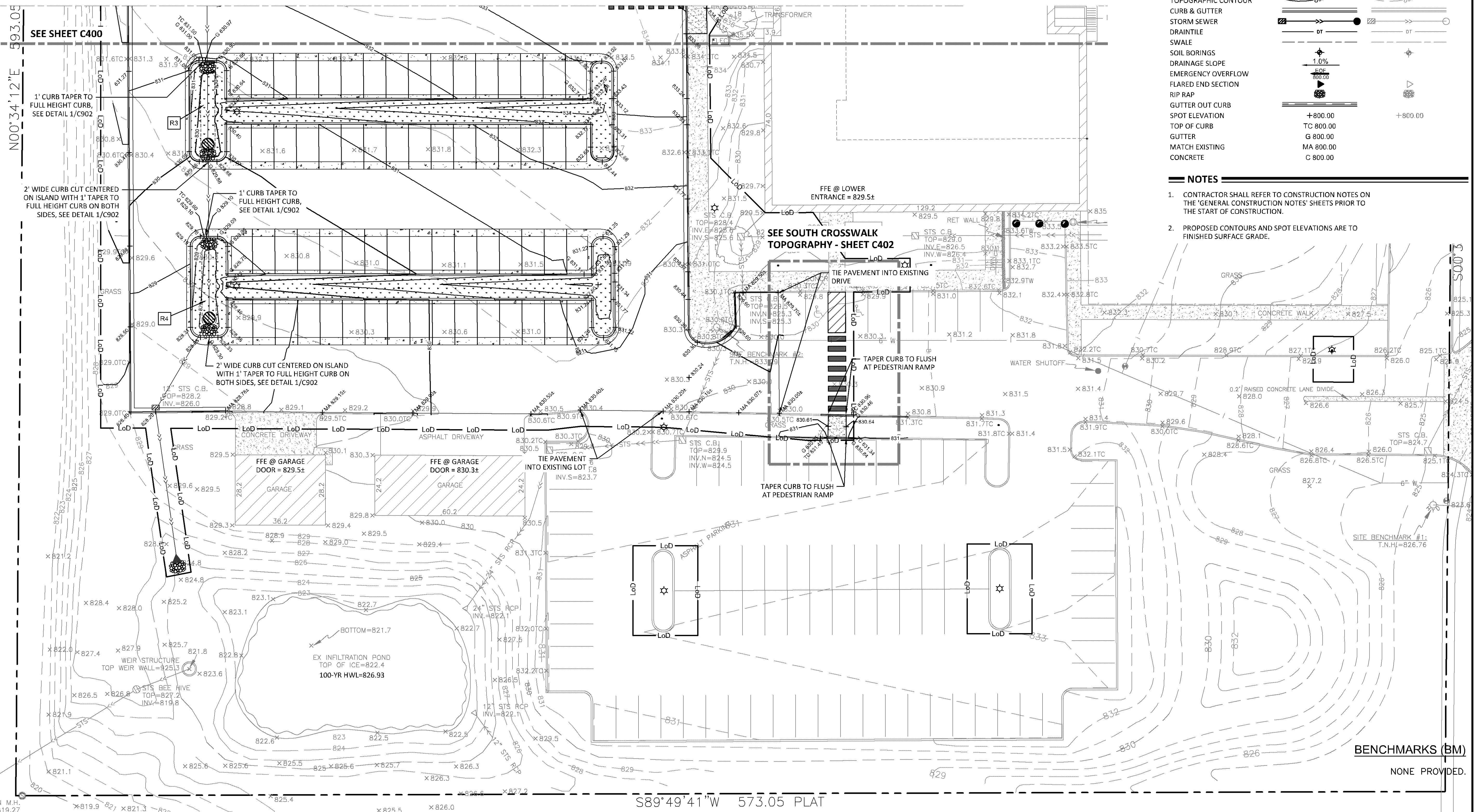
ST. STEPHEN LUTHERAN CHURCH BLOOMINGTON, MN

ST STEPHEN LUTHERAN CHURCH - PARKING LOT IMPROVEMENTS
8400 FRANCE AVE S, MN 55431

PERMIT

	PROPOSED	EXISTING
PROPERTY LINE	LoD	---
LIMITS OF DISTURBANCE	---	---
BUILDING	▨	▨
TOPOGRAPHIC INDEX CONTOUR	800	800
TOPOGRAPHIC CONTOUR	802	802
CURB & GUTTER	▬	▬
STORM SEWER	▬	▬
DRAINTILE	DT	DT
SWALE	▬	▬
SOIL BORINGS	+	+
DRAINAGE SLOPE	1.0%	
EMERGENCY OVERFLOW	▬	
FLARED END SECTION	▬	
RIP RAP	▬	
GUTTER OUT CURB	▬	
SPOT ELEVATION	+800.00	+800.00
TOP OF CURB	TC 800.00	
GUTTER	G 800.00	
MATCH EXISTING	MA 800.00	
CONCRETE	C 800.00	

- NOTES**
- CONTRACTOR SHALL REFER TO CONSTRUCTION NOTES ON THE 'GENERAL CONSTRUCTION NOTES' SHEETS PRIOR TO THE START OF CONSTRUCTION.
 - PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED SURFACE GRADE.



SUMMARY

DESIGNED: BJL	DRAWN: BJL
REVIEWED: BJL	
PHASE: PERMIT	INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
0	02/14/2025	BID SET
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CERTIFICATION

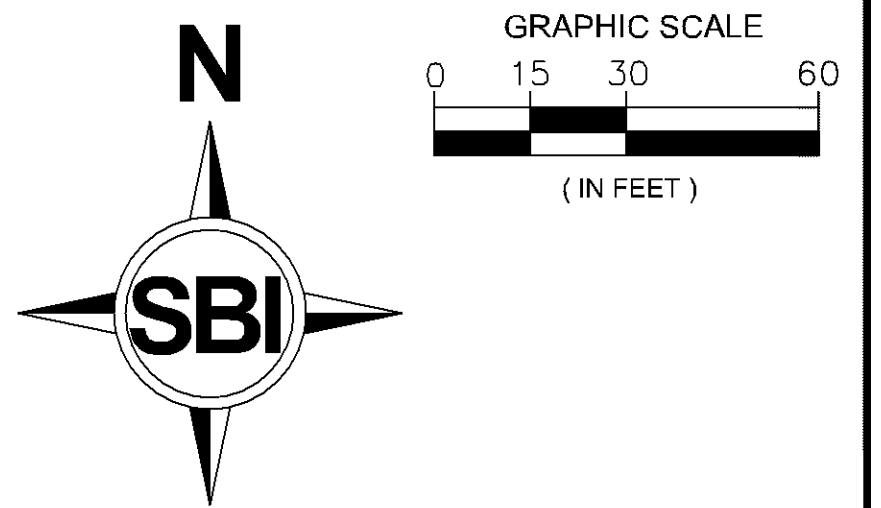
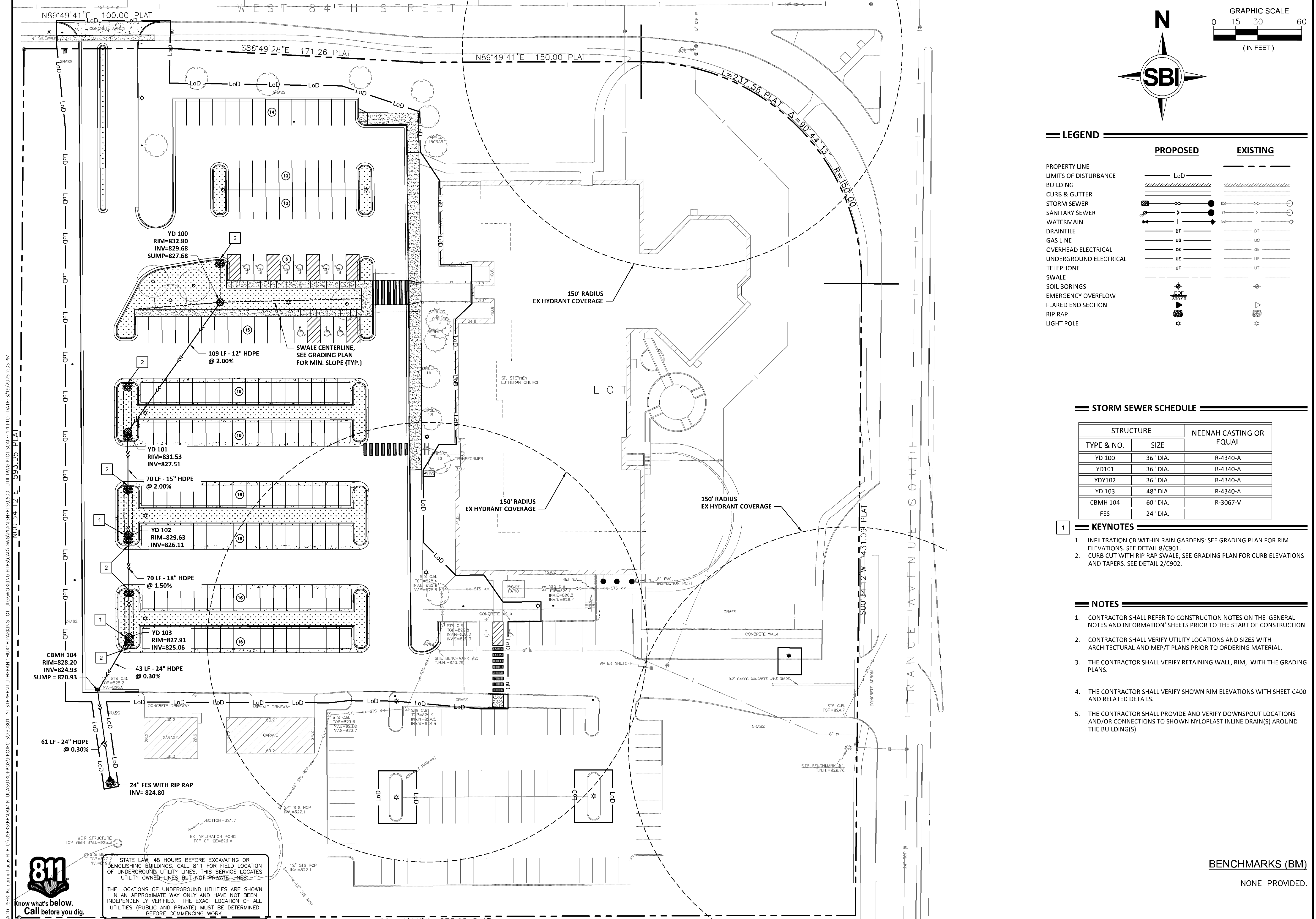
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Benjamin Lucas
BENJAMIN LUCAS
DATE: 03.18.2025 REG. NO. 54265

GRADING & DRAINAGE PLAN - SOUTH

SOLUTION BLUE PROJECT NO: 230801

C401



LEGEND

	PROPOSED	EXISTING
PROPERTY LINE	LoD	LoD
LIMITS OF DISTURBANCE	LoD	LoD
BUILDING	LoD	LoD
CURB & GUTTER	LoD	LoD
STORM SEWER	LoD	LoD
SANITARY SEWER	LoD	LoD
WATERMAIN	LoD	LoD
DRAINTILE	LoD	LoD
GAS LINE	LoD	LoD
OVERHEAD ELECTRICAL	LoD	LoD
UNDERGROUND ELECTRICAL	LoD	LoD
TELEPHONE	LoD	LoD
SWALE	LoD	LoD
SOIL BORINGS	LoD	LoD
EMERGENCY OVERFLOW	LoD	LoD
FLARED END SECTION	LoD	LoD
RIP RAP	LoD	LoD
LIGHT POLE	LoD	LoD

STORM SEWER SCHEDULE

STRUCTURE	NEENAH CASTING OR EQUAL
TYPE & NO.	SIZE
YD 100	36" DIA.
YD101	36" DIA.
YDY102	36" DIA.
YD 103	48" DIA.
CBMH 104	60" DIA.
FES	24" DIA.

- KEYNOTES**
- INFILTRATION CB WITHIN RAIN GARDENS: SEE GRADING PLAN FOR RIM ELEVATIONS. SEE DETAIL 8/C901.
 - CURB CUT WITH RIP RAP SWALE, SEE GRADING PLAN FOR CURB ELEVATIONS AND TAPERS. SEE DETAIL 2/C902.

- NOTES**
- CONTRACTOR SHALL REFER TO CONSTRUCTION NOTES ON THE 'GENERAL NOTES AND INFORMATION' SHEETS PRIOR TO THE START OF CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AND SIZES WITH ARCHITECTURAL AND MEP/T PLANS PRIOR TO ORDERING MATERIAL.
 - THE CONTRACTOR SHALL VERIFY RETAINING WALL, RIM, WITH THE GRADING PLANS.
 - THE CONTRACTOR SHALL VERIFY SHOWN RIM ELEVATIONS WITH SHEET C400 AND RELATED DETAILS.
 - THE CONTRACTOR SHALL PROVIDE AND VERIFY DOWNSPOUT LOCATIONS AND/OR CONNECTIONS TO SHOWN NYLOPLAST INLINE DRAIN(S) AROUND THE BUILDING(S).



ST. STEPHEN LUTHERAN CHURCH
BLOOMINGTON, MN

**ST STEPHEN LUTHERAN CHURCH -
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S, MN 55431

PERMIT

SUMMARY
DESIGNED: BJL DRAWN: BJL
REVIEWED: BJL
PHASE: PERMIT INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
0	02/14/2025	BID SET
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Benjamin Lucas
BENJAMIN LUCAS
DATE: 03.18.2025 REG. NO. 54265

UTILITIES PLAN
SOLUTION BLUE PROJECT NO: 230801

C500

CAD USER: BENJAMIN LUCAS; PROJECT: ST. STEPHEN LUTHERAN CHURCH PARKING LOT - UTILITIES PLAN; SHEET: C500 - UTILITIES PLAN; SCALE: 1/4" = 1'-0"; DATE: 3/18/2025; 2:05 PM

STATE LAW: 48 HOURS BEFORE EXCAVATING OR DEMOLISHING BUILDINGS, CALL 811 FOR FIELD LOCATION OF UNDERGROUND UTILITY LINES. THIS SERVICE LOCATES UTILITY OWNED LINES BUT NOT PRIVATE LINES.
THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE EXACT LOCATION OF ALL UTILITIES (PUBLIC AND PRIVATE) MUST BE DETERMINED BEFORE COMMENCING WORK.

BENCHMARKS (BM)
NONE PROVIDED.

PLANT SCHEDULE

4

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	
TREES							
	BH	BETULA NIGRA	RIVER BIRCH MULTI-TRUNK	12' HT		12	
	BW	BETULA POPULIFOLIA 'WHITESPIRE'	WHITESPIRE GRAY BIRCH	3' CAL	B&B	24	
	DB	QUERCUS BICOLOR	SWAMP WHITE OAK	3' CAL	B&B	18	
	DE	QUERCUS ELLIPSOIDALIS 'BAUSKES'	MAJESTIC SHES - NORTHERN PIN OAK	3' CAL	B&B	5	
	UP	ULMUS X 'NEW HORIZON'	NEW HORIZON ELM	3' CAL	B&B	6	
SHRUBS							
	RG	RHUS ARMATA 'GRD LOW'	GRD LOW FRAGRANT SUMAC	2 GAL		175	
GEOLOGY GARDEN							
	AB4	AUGA REPTANS 'BRONZE BEAUTY'	BRONZE BEAUTY CARPET BUGLE	4"	PLUG	321	
	CZ	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB TICKSEED	1 GAL		213	
	DJ	DELOSPERMA X 'JOHN PROFFITT'	TABLE MOUNTAIN ICE PLANT	1 GAL		111	
	SA2	SEDUM 'RUPESTRE' 'ANGELINA'	ANGELINA STONECROP	4"	PLUG	189	
	SF	SEDUM 'SPURSUM' 'FULDAS LUT'	FULDAS LUT TWO ROW STONECROP	4"	PLUG	361	
GRASSES							
	AP9	ANDROPOGON GERARDI 'RED OCTOBER'	RED OCTOBER BIG BLUESTEM	1 GAL		37	
	BC	BOUTELOUA CURTIPENDULA	SIDE OATS GRAMA	4"		26	
	CK	GALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	POT	32	
	GA2	CAREX ALBICANS	WHITE-TINGED SEDGE	—		217	
	GV	CAREX VULPINOIDEA	FOX SEDGE	4"		74	
	KM	KOeleria MACRANTHA	RAIRIE BLUE GRASS	4"	PLUG	108	
	PN	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCH GRASS	1 GAL	POT	102	
	SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	4"	PLUG	38	
	SR	SCHIZACHYRIUM SCOPARIUM 'BLUE HEAVEN'	BLUE HEAVEN LITTLE BLUESTEM	1 GAL		48	
	SP	SPOROBOLUS HETEROLEPIS	RAIRIE DROPSIDE	1 GAL		74	
PERENNIALS							
	AF3	AGASTACHE X 'BLUE FORTUNE'	BLUE FORTUNE ANISE HYSSOP	1 GAL	POT	10	
	AM	ALLIUM X 'MILLENIUM'	MILLENIUM ORNAMENTAL ONION	1 GAL		51	
	AS4	ALLIUM X 'SUMMER BEAUTY'	SUMMER BEAUTY ORNAMENTAL ONION	1 GAL	POT	75	
	AH2	AMSONIA HUBRIGHTII	ARKANSAS BLUESTAR	1 GAL		101	
	AB	AMSONIA X 'BLUE ICE'	BLUE ICE BLUESTAR	1 GAL		38	
	AC	ANEMONE CANADENSIS	CANADIAN ANEMONE	4"	PLUG	147	
	AR	ANEMONE TOMENTOSA 'ROBUSTUS BGM'	ROBUST WINDFLOWER	1 GAL		81	
	AT	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEEED	4"	PLUG	58	
	BA4	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	1 GAL		10	
	DN	GALAMINTHA NEPETA	LESSER CALAMINT	1 GAL	POT	15	
	CL	COREOPSIS LANCEOLATA	LANCELEAF TICKSEED	4"		51	
	CG2	COREOPSIS VERTICILLATA 'MOONBEAM'	MOONBEAM TICKSEED	1 GAL		21	
	EP5	ECHINACEA PURPUREA	CONEFLOWER	4"	PLUG	18	
	EI	ECHINACEA PURPUREA 'RUBY GLOW'	RUBY GLOW CONEFLOWER	1 GAL	POT	37	
	GM	GERANIUM SANGUINEUM 'MAX FRED'	MAX FRED BLOODED GERANIUM	1 GAL		78	
	SV	SALVIA NEMOROSA 'SENSATION SKY BLUE'	SENSATION SKY BLUE MEADOW SADE	1 GAL		82	
	ZA	ZIZIA AUREA	GOLDEN ALEXANDER	4"		34	
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	QTY
	G-01	GARDEN AREA 01	PRAIRIE	SOD			2,312 SF

**ST. STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S,
BLOOMINGTON, MN 55431
SCHEMATIC DESIGN



PEBL DESIGN
1819 Dupont Ave. S
Minneapolis, MN 55403
t: 612.226.3063
www.pebl.design

SIGNATURE:
PRINTED NAME: JONATHAN BLASEG
LICENSE NUMBER: 59714

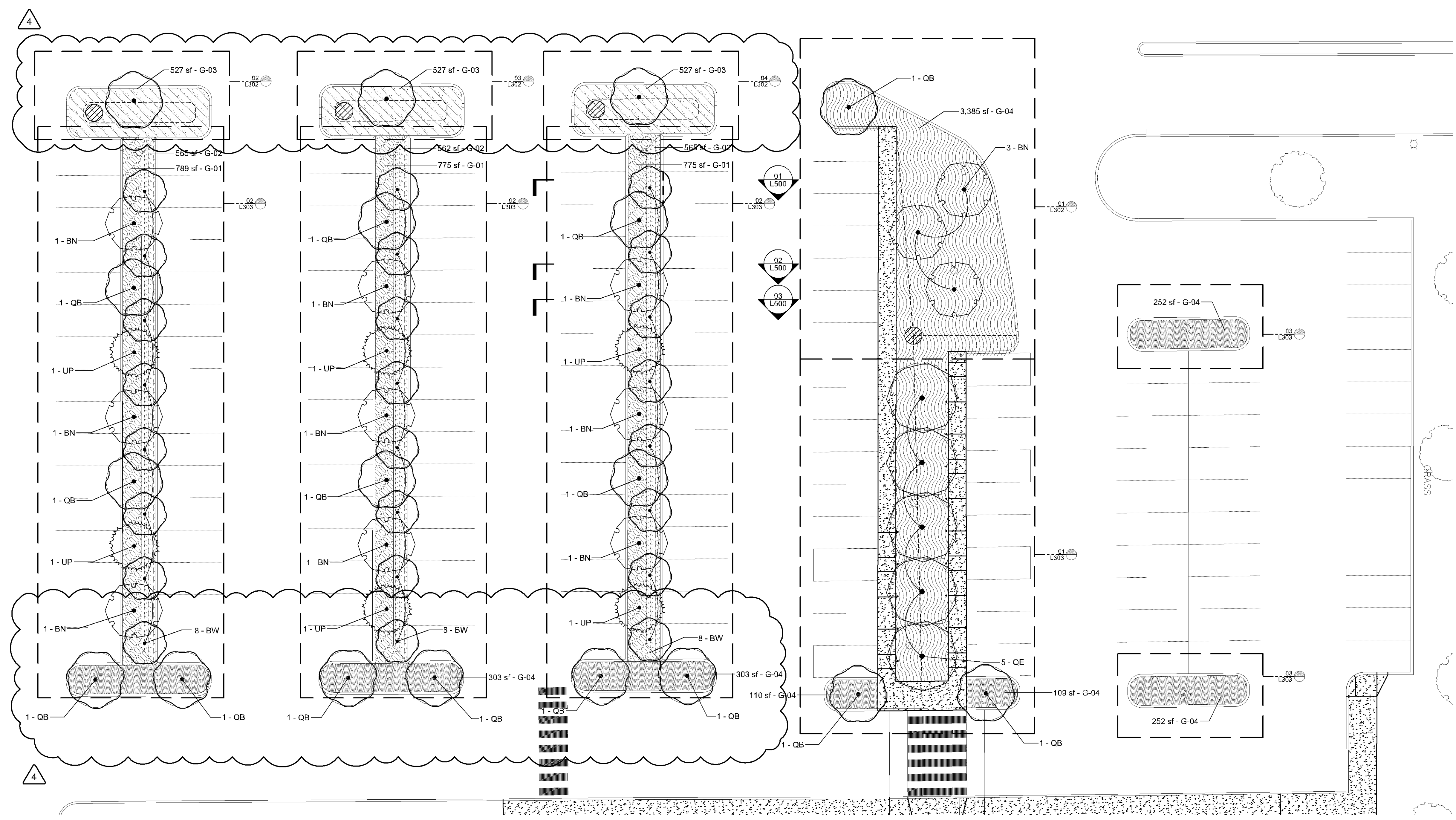
NO.	DATE	DESCRIPTION
1	02.07.2025	PERMIT SET
2	02.14.2025	BID SET
3	02.24.2025	ADDENDUM #01
4	03.18.2025	ADDENDUM #02

OVERVIEW
ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME
PLANTING SCHEDULE

SHEET NUMBER
L300

**ST. STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S,
BLOOMINGTON, MN 55431
SCHEMATIC DESIGN



01 TREE & GARDEN PLAN
Scale: 1/16" = 1' - 0"

GARDEN ZONES

CONCEPT PLANTING			
	G-01	GARDEN AREA 01	PRAIRIE
	G-02	GARDEN AREA 02	GEOLOGY GARDEN
	G-03	GARDEN AREA 03	RAINGARDEN
	G-04	GARDEN AREA 04	PERENNIALS

		PRAIRIE	SOD	2,338 SF	
		GEOLOGY GARDEN	---	1,679 SF	
		RAINGARDEN	---	1,581 SF	
		PERENNIALS	---	5,017 SF	

TREE SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
TREES						
	BN	BETULA NIGRA	RIVER BIRCH MULTI-TRUNK	10' HT.		12
	BW	BETULA POPULIFOLIA 'WHITESPIRE'	WHITESPIRE GRAY BIRCH	3' CAL.	B&B	24
	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3' CAL.	B&B	18
	QE	QUERCUS ELLIPSOIDALIS 'BAILSKIES'	MAJESTIC SKIES™ NORTHERN PIN OAK	3' CAL.	B&B	5
	UP	ULMUS X 'NEW HORIZON'	NEW HORIZON ELM	3' CAL.	B&B	6



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Minneapolis, MN 55403
t: 612.226.3063
www.pebl.design

[Signature]

SIGNATURE:
PRINTED NAME: JONATHAN BLASEG
LICENSE NUMBER: 59714

REVISIONS

NO.	DATE	DESCRIPTION
1	02.07.2025	PERMIT SET
2	02.14.2025	BID SET
3	02.24.2025	ADDENDUM #01
4	03.18.2025	ADDENDUM #02

OVERVIEW
ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME
PLANTING PLAN

SHEET NUMBER
L301

**ST. STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S,
BLOOMINGTON, MN 55431
SCHEMATIC DESIGN



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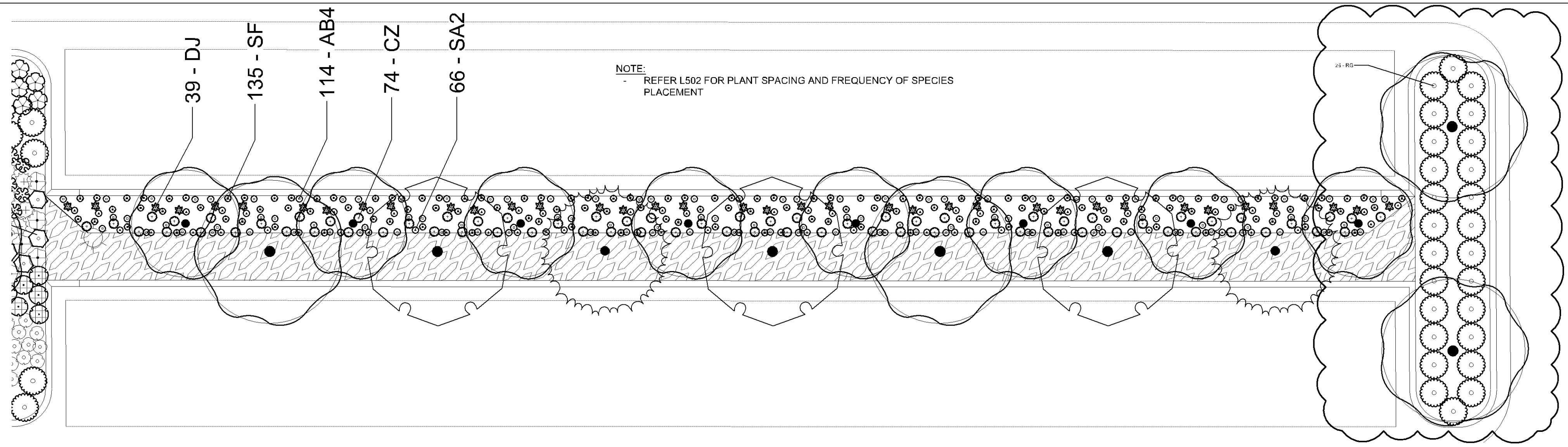
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PRINTED NAME: JONATHAN BLASEG
LICENSE NUMBER: 59714

NO.	DATE	DESCRIPTION
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2	02.14.2025	BID SET
3	02.24.2025	ADDENDUM #01
4	03.18.2025	ADDENDUM #02

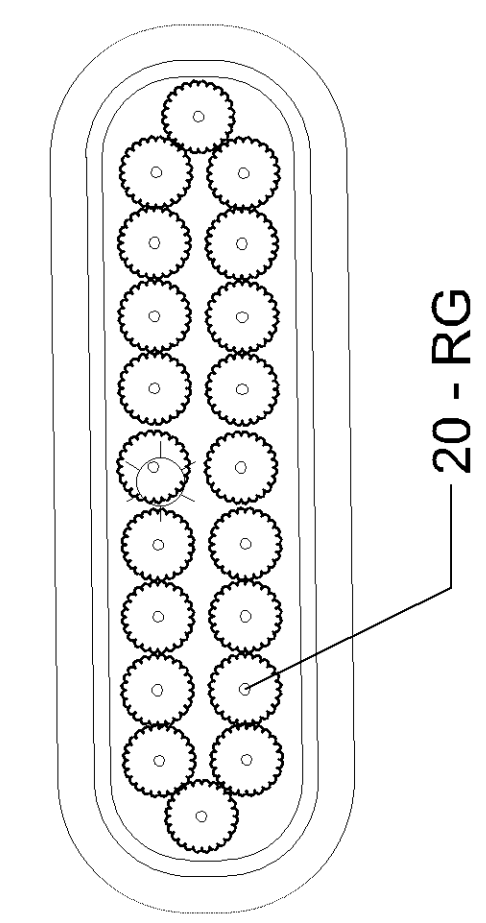
OVERVIEW
ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME
**PLANTING PLAN
ENLARGEMENTS**

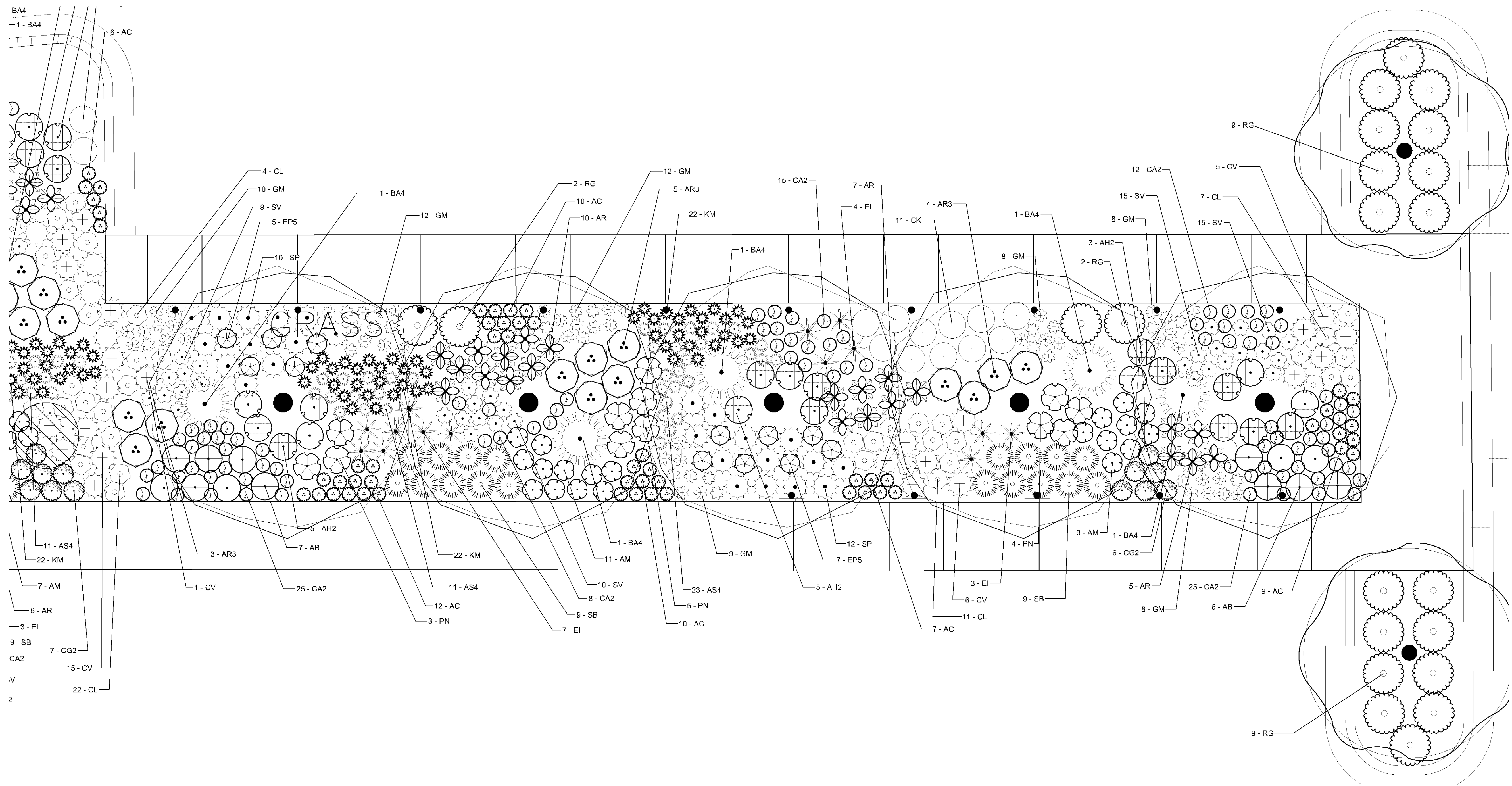
SHEET NUMBER
L303



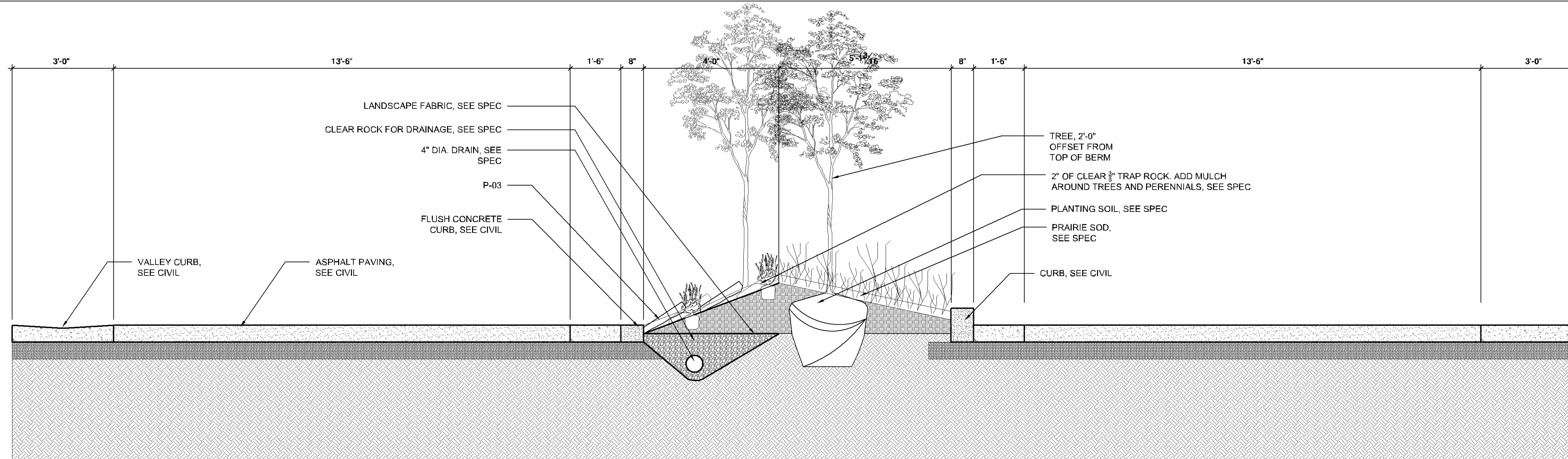
02 ENLARGEMENT 05 - GEOLOGY GARDEN
Scale: 1/8" = 1' - 0"



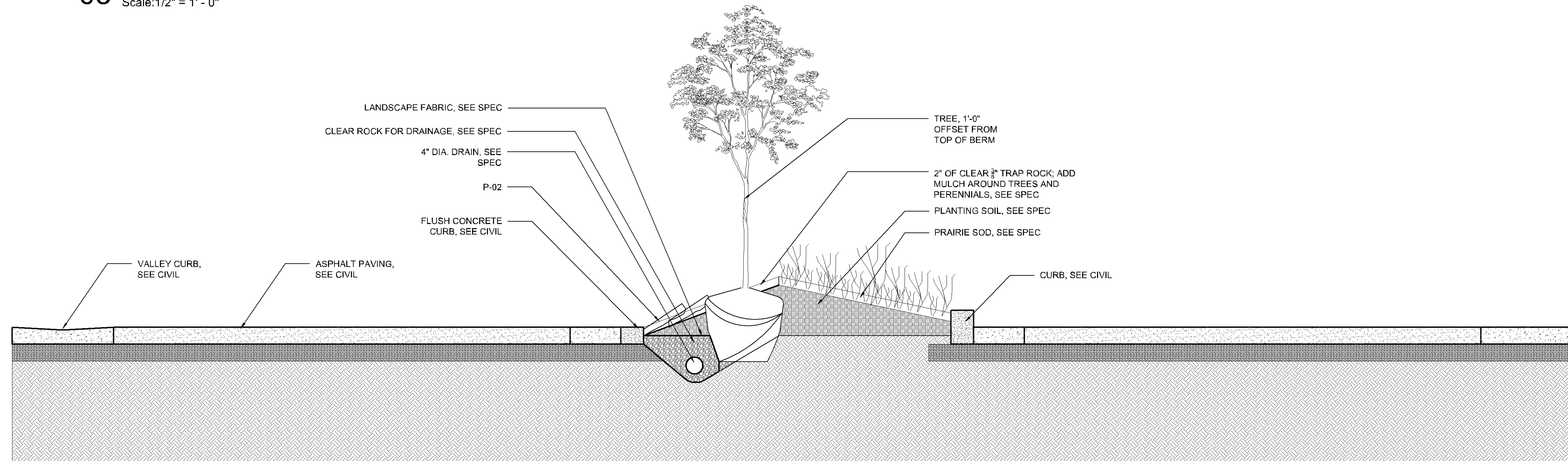
03 ENLARGEMENT 06
Scale: 1/8" = 1' - 0"



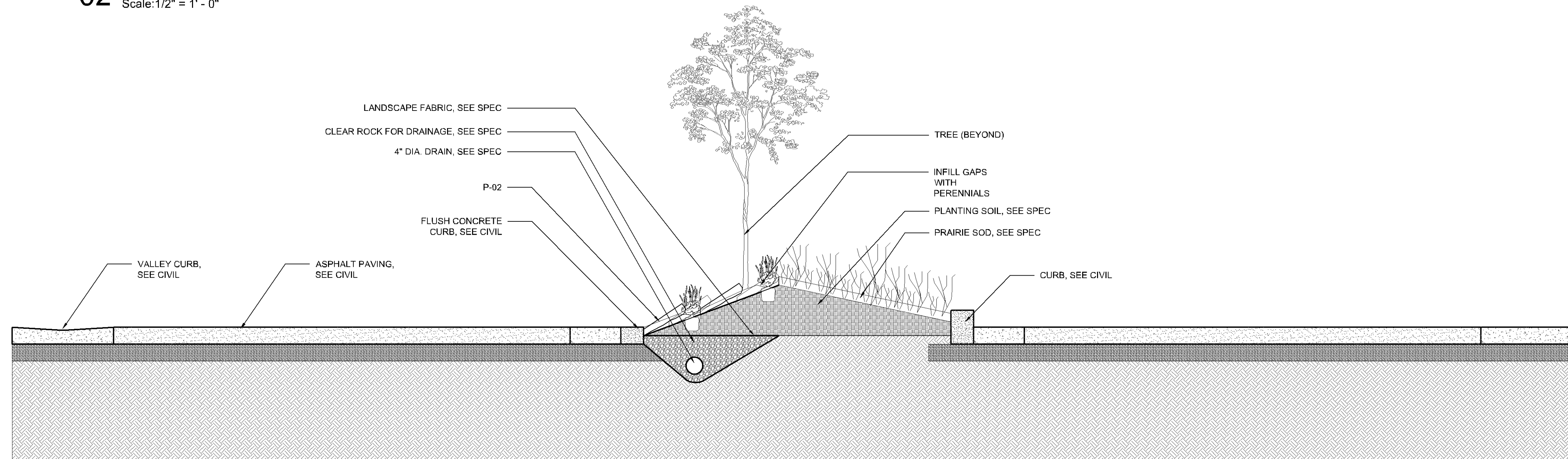
01 ENLARGEMENT 04
Scale: 1/4" = 1' - 0"



03 PLANTED BERM / SECTION 03
Scale: 1/2" = 1' - 0"



02 PLANTED BERM / SECTION 02
Scale: 1/2" = 1' - 0"



01 PLANTED BERM / SECTION 01
Scale: 1/2" = 1' - 0"

**ST. STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S,
BLOOMINGTON, MN 55431
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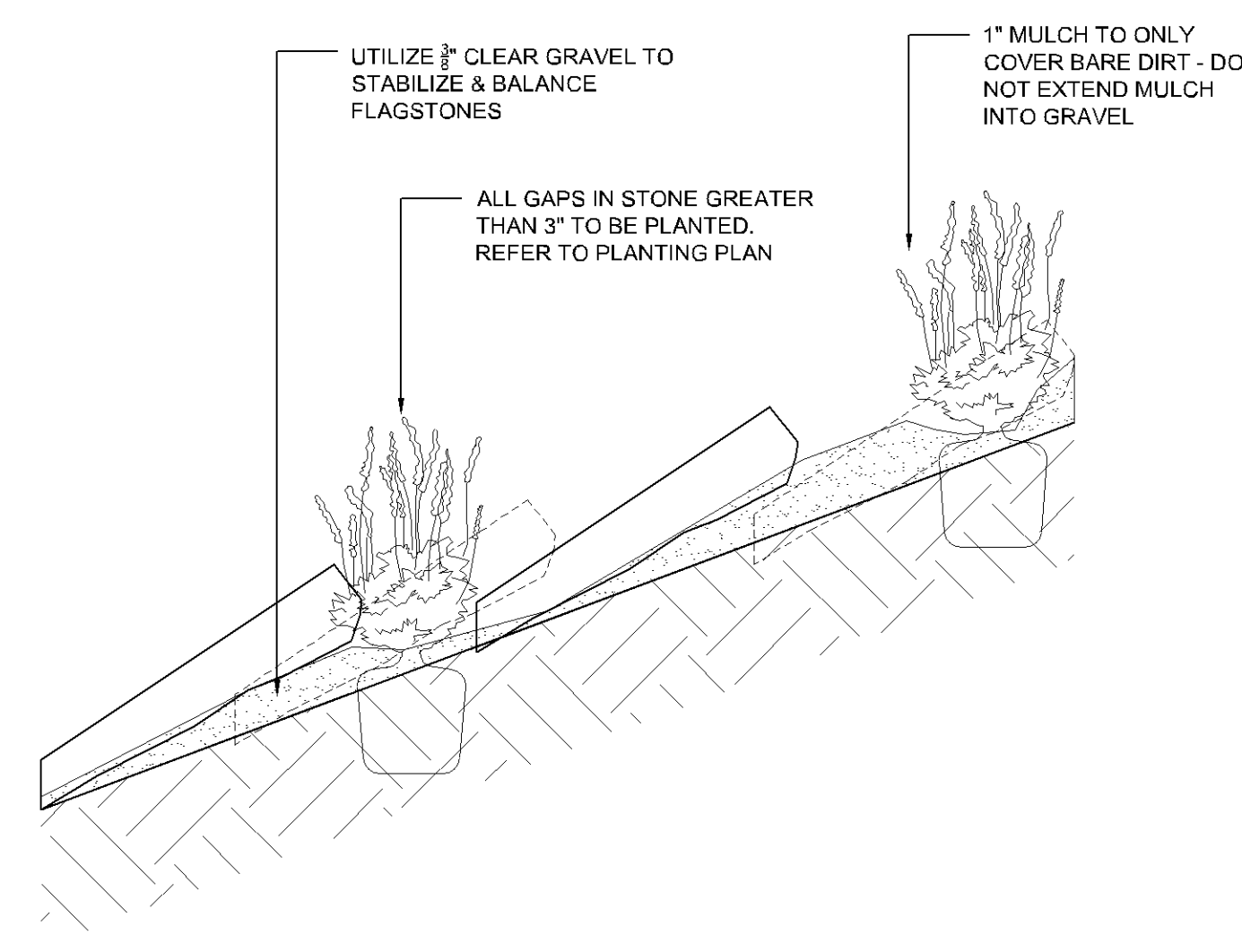
REVISIONS		
NO.	DATE	DESCRIPTION
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OVERVIEW
ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME
DETAILS

SHEET NUMBER
L500

02 SECTION
Scale: 1-1/2" = 1'-0"

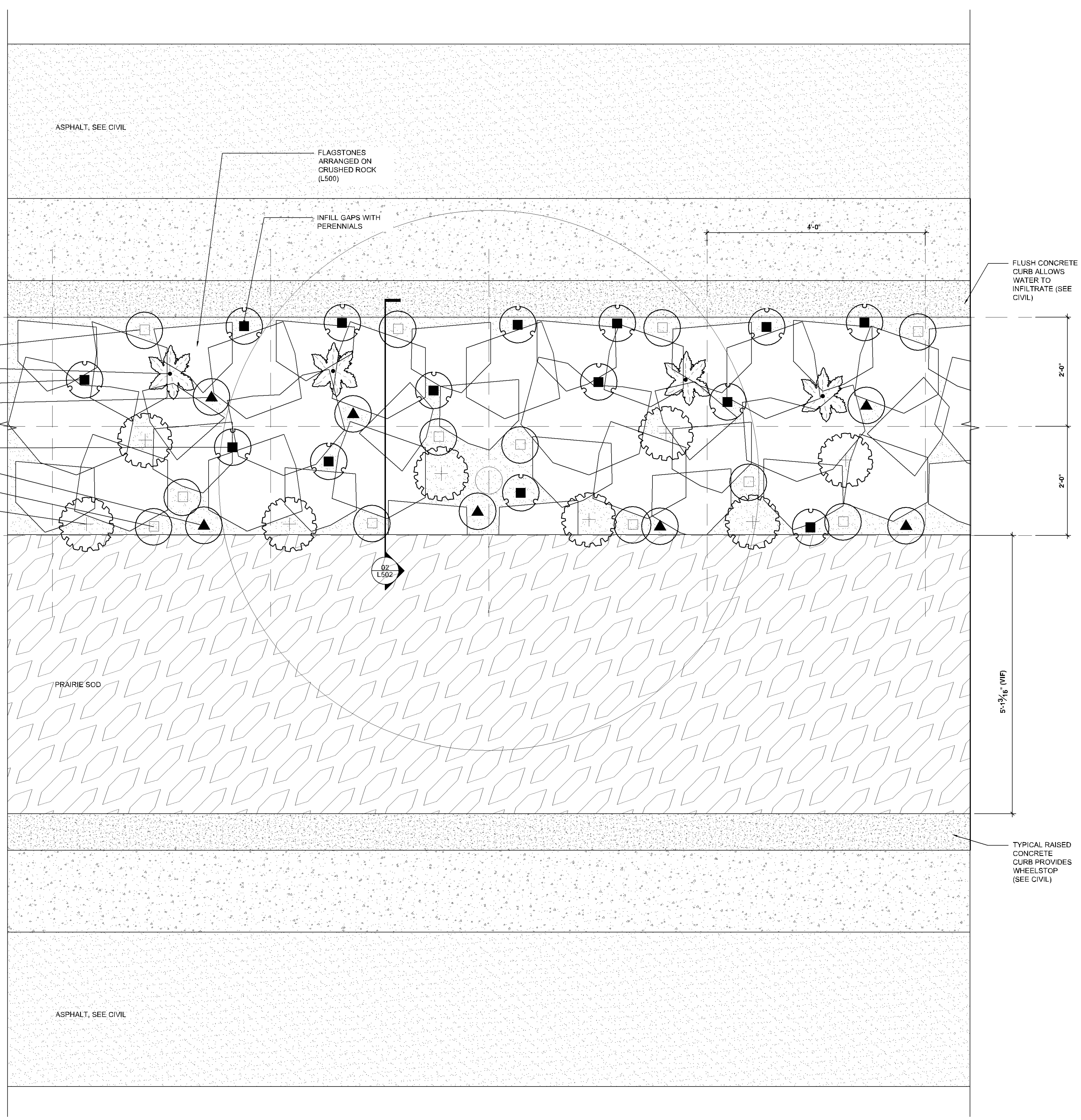


- NORTH 2'X4' (TYPICAL):**
- 1 - AB4
 - 1 - DJ
 - 2 - SF
 - 1 - SA2
- SOUTH 2'X4' (TYPICAL):**
- 1 - SF
 - 1 - SA2
 - 2 - AB4
 - 2 - CZ

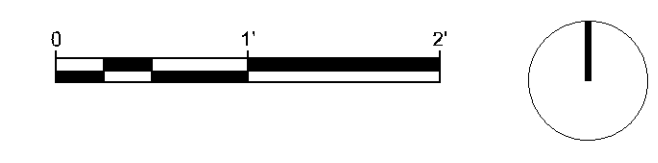
- GEOLOGY GARDEN PLANTING (TYPICAL):**
- ASSUME THE FOLLOWING APPROXIMATE LAYOUTS AND QUANTITIES FOR 2'X4' AREAS WITHIN THE GEOLOGY GARDENS. THE NORTH 2'X4' HAS DIFFERENT PLANT CONCENTRATION THAN THE SOUTH 2'X4' AREA. TYPICAL QUANTITIES ARE SHOWN
 - APPLY 1" SHREDDED HARDWOOD MULCH TO SOIL AREA OF PLANT. IN THE CASE OF 1-GAL POTS THIS IS ~12" AND IN THE CASE OF 4" PLUGS THIS WOULD BE ~6".
 - AVOID DISPERSING ORGANIC MATTER (I.E. SOIL) THROUGHOUT THE GARDEN IN ORDER TO MINIMIZE LONG-TERM WEED GROWTH. TAKE CARE WHEN DIGGING HOLES TO SEPARATE THE DISTURBED/REMOVED SOIL THROUGH THE USE OF TARP OR BUCKET.
 - SOME STONES MAY NEED TO BE REMOVED AND RETURNED AFTER PLANTS HAVE BEEN INSTALLED.
 - LA TO REVIEW STONE LAYOUT PREVIOUS TO PLANT INSTALLATION.
 - LA TO REVIEW PLANT LAYOUT PREVIOUS TO PLANT INSTALLATION.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE
GROUNDCOVERS				
	AB4	AJUGA REPTANS 'BRONZE BEAUTY'	BRONZE BEAUTY CARPET BUGLE	4"
	CZ	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB TICKSEED	1 GAL.
	DJ	DELOSPERMA X 'JOHN PROFFITT'	TABLE MOUNTAIN ICE PLANT	1 GAL.
	SA2	SEDUM RUPESTRE 'ANGELINA'	ANGELINA STONECROP	4"
	SF	SEDUM SPURIMUM 'FULDAGLUT'	FULDAGLUT TWO ROW STONECROP	4"



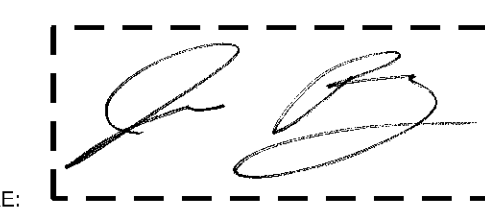
01 PLANTED BERM - PLAN
Scale: 3/4" = 1'-0"



**ST. STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S,
BLOOMINGTON, MN 55431
SCHEMATIC DESIGN



PEBL DESIGN
1819 Dupont Ave. S
Minneapolis, MN 55403
t: 612.226.3063
www.pebl.design



SIGNATURE:
PRINTED NAME: JONATHAN BLASEG
LICENSE NUMBER: 59714

REVISIONS

NO.	DATE	DESCRIPTION
1	02.07.2025	PERMIT SET
2	02.14.2025	BID SET
3	02.24.2025	ADDENDUM #01
4	03.18.2025	ADDENDUM #02

OVERVIEW
ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME
DETAILS

SHEET NUMBER
L502



PEBL DESIGN
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4	03.18.2025	ADDENDUM #02

OVERVIEW

ISSUANCE: BID SET
PROJECT NAME: ST. STEPHEN PARKING LOT
PROJECT NUMBER: 2416
DATE:
DRAWN BY: CM
CHECKED BY: JB

SHEET NAME

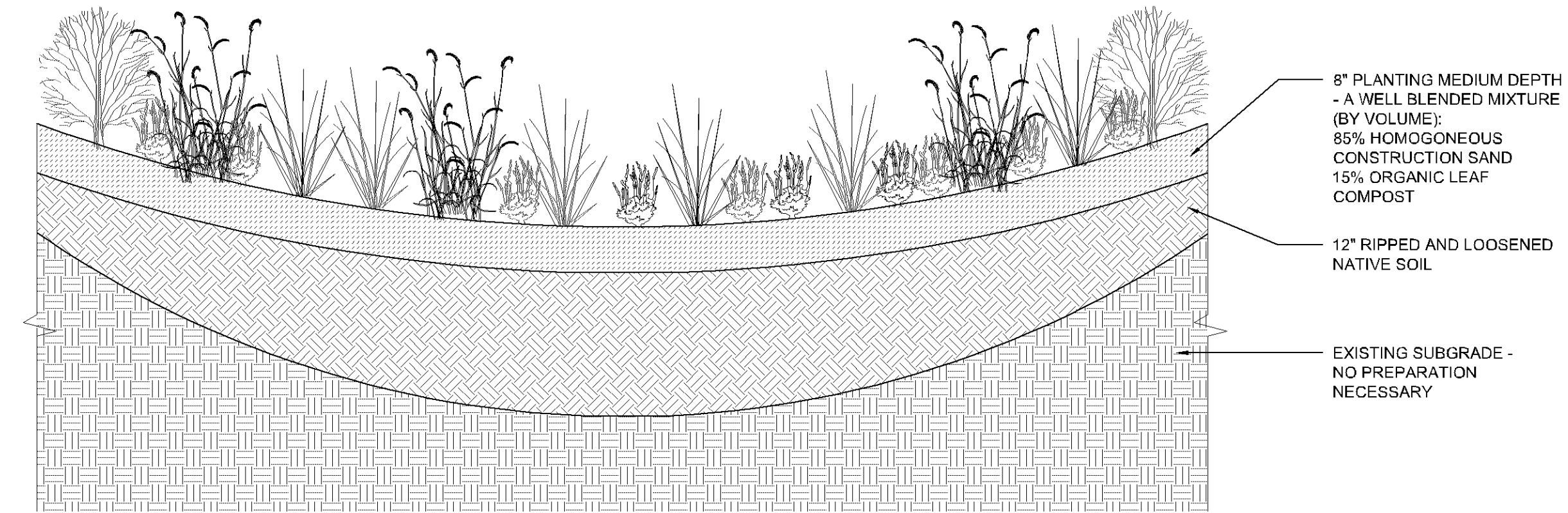
TYPICAL PLANTING
DETAILS

SHEET NUMBER

L503

RAINGARDEN AREA:

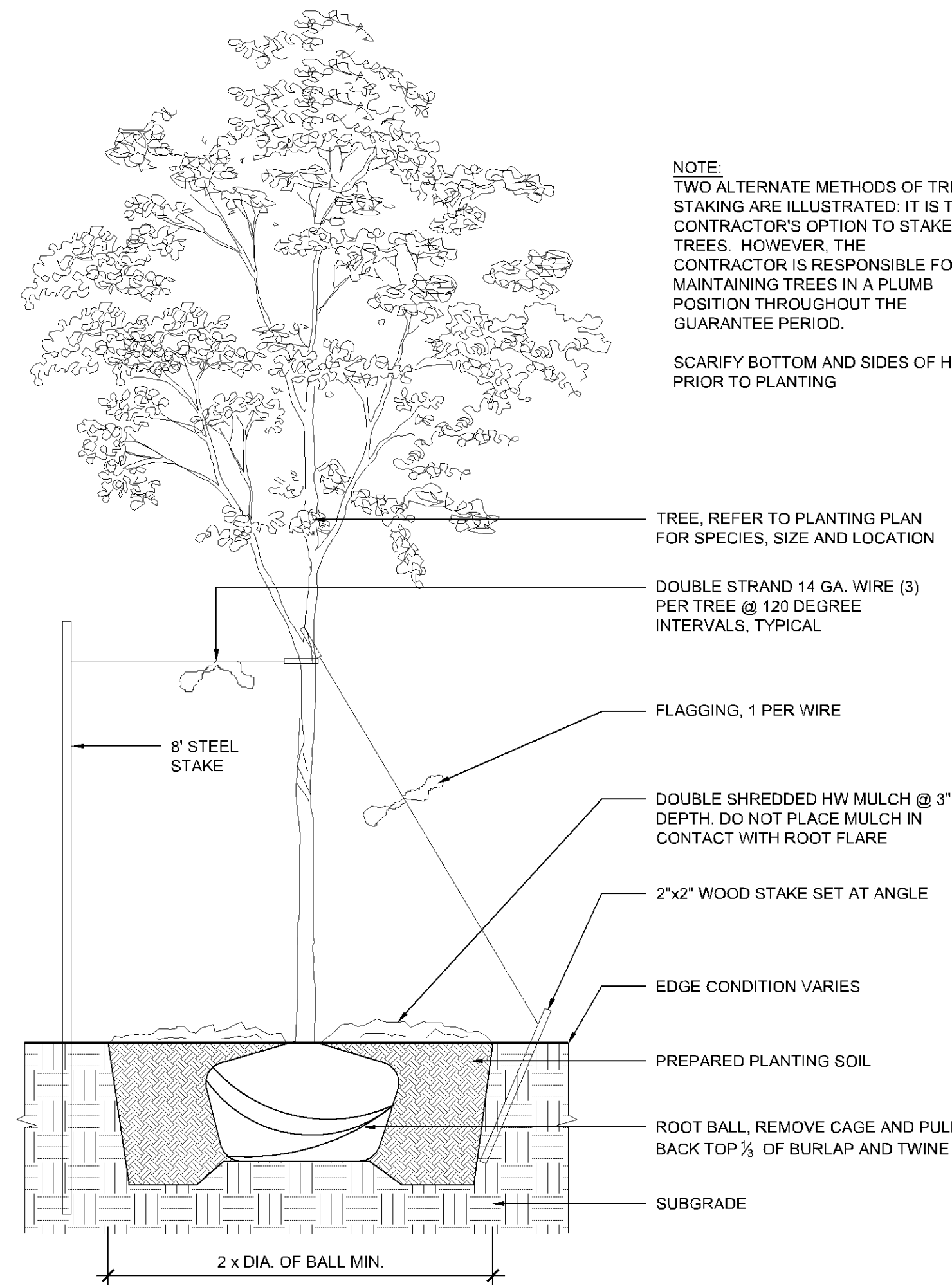
1. PROTECT THE RAIN GARDEN AREA FROM COMPACTION AND DISTURBANCE OF EXISTING SOILS.
2. SCHEDULE THE CONSTRUCTION SO THAT THE EXCAVATION OF THE RAIN GARDEN SYSTEM TO FINAL GRADE OCCURS AFTER THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN CONSTRUCTED AND FULLY STABILIZED. EXCAVATE THE RAIN GARDEN AREAS TO WITHIN ONE FOOT OF FINAL GRADE INITIALLY. DELAY FINAL EXCAVATION OF THE BASIN FLOOR UNTIL ALL DISTURBED AREAS TRIBUTARY TO THE BASIN ARE STABILIZED. UTILIZE TRACKED EXCAVATION EQUIPMENT THAT HAS RELATIVELY LIGHT BEARING PRESSURES. NO HEAVY EQUIPMENT IS ALLOWED ON THE RAIN GARDEN AREAS BEFORE OR AFTER CONSTRUCTION.
3. DELINEATE THE LOCATION OF RAIN GARDEN (E.G. WITH FLAGS, STAKES, SIGNS, ETC.) BEFORE WORK BEGINS SO THAT HEAVY CONSTRUCTION EQUIPMENT WILL NOT COMPACT THE SOIL IN THE PROPOSED RAIN GARDEN SYSTEM.
4. USE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G. DIVERSION BERMS) DURING THE CONSTRUCTION OF THE RAIN GARDEN SYSTEM IN ORDER TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE RAIN GARDEN AREA.
5. INSPECT ALL RAIN GARDEN AREAS IN ORDER TO ENSURE THAT NO SEDIMENT FROM ONGOING CONSTRUCTION ACTIVITY IS REACHING THE RAIN GARDEN AREAS AND THAT THESE AREAS ARE PROTECTED FROM COMPACTION DUE TO CONSTRUCTION EQUIPMENT DRIVING ACROSS THE RAIN GARDEN AREAS.
6. AFTER FINAL GRADING, TILL THE FLOOR OF THE RAIN GARDEN AREA TO A DEPTH OF AT LEAST 12 INCHES IN ORDER TO PROVIDE A WELL AERATED, POROUS SURFACE TEXTURE. TILL IN 6 INCHES OF MNDOT 3890 GRADE 2 COMPOST MATERIAL IF THE SOILS BECOME COMPACTED.
7. PLACE ALL EXCAVATED MATERIALS AWAY FROM THE RAIN GARDEN AREA DURING AND AFTER EXCAVATION.



04 RAIN GARDEN DETAIL - TYP.
Scale: NTS

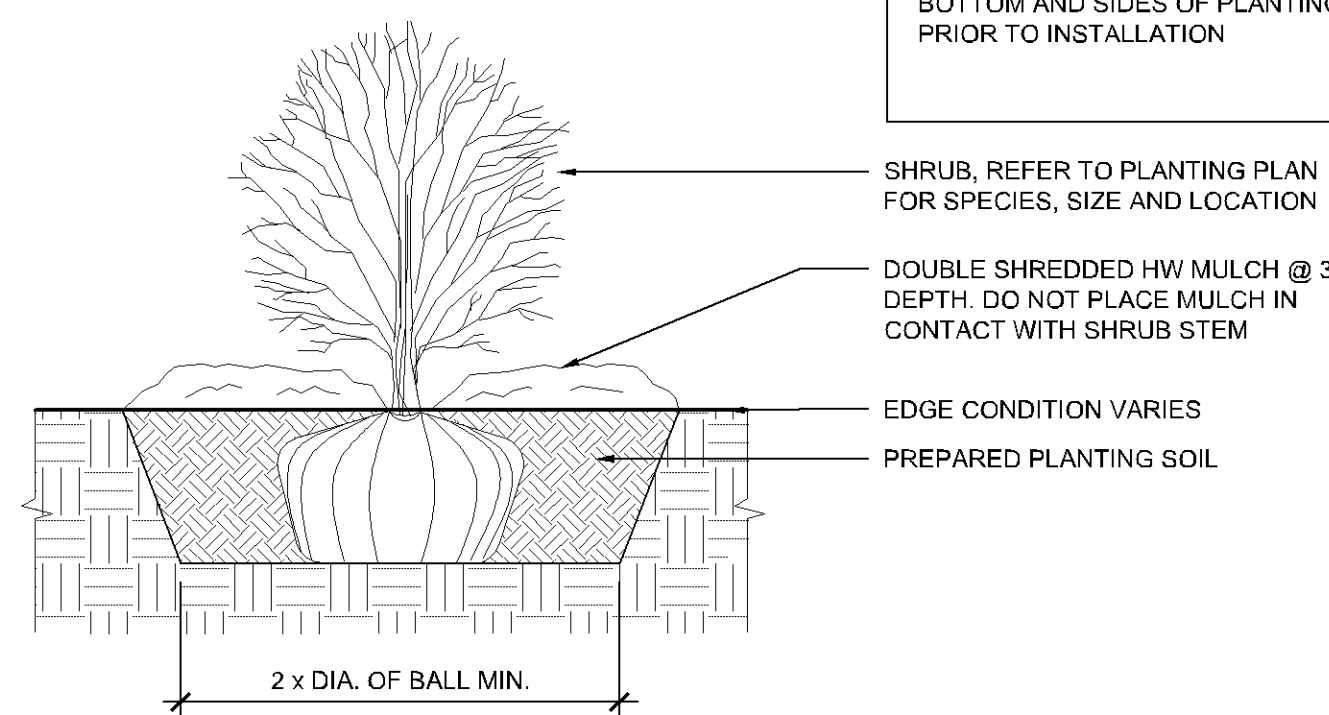
NOTE:
TWO ALTERNATE METHODS OF TREE STAKING ARE ILLUSTRATED. IT IS THE CONTRACTOR'S OPTION TO STAKE TREES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TREES IN A PLUMB POSITION THROUGHOUT THE GUARANTEE PERIOD.

SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING



03 TREE DETAIL
Scale: 1" = 1'-0"

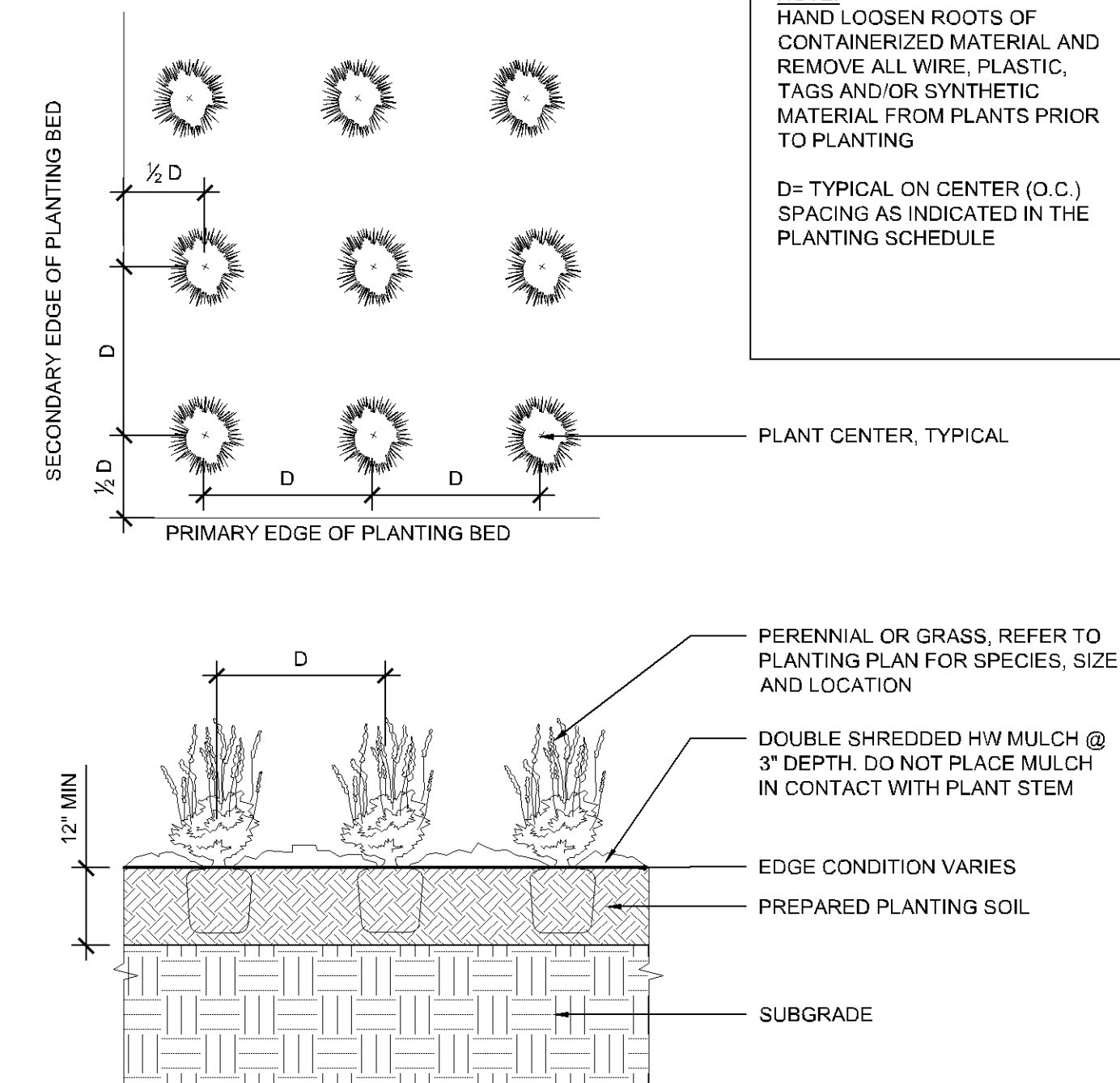
NOTE:
HAND LOOSEN ROOTS OF CONTAINERIZED MATERIAL, SCARIFY BOTTOM AND SIDES OF PLANTING PIT PRIOR TO INSTALLATION



02 SHRUB DETAIL
Scale: 1" = 1'-0"

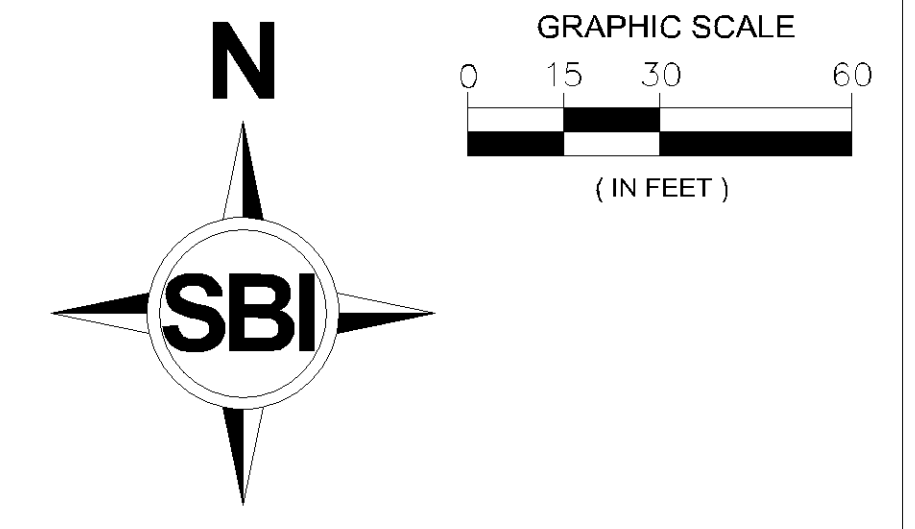
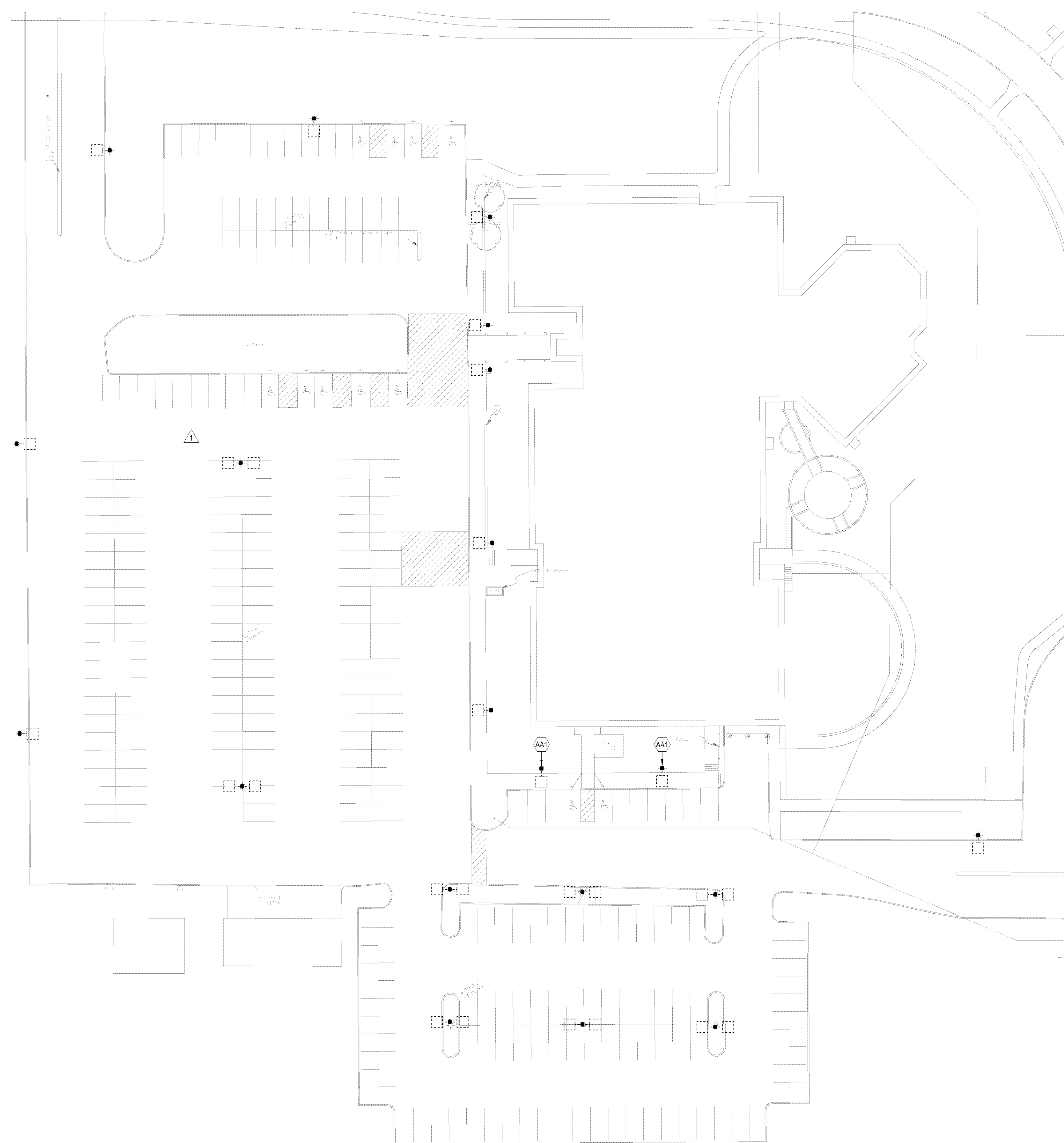
NOTE:
HAND LOOSEN ROOTS OF CONTAINERIZED MATERIAL AND REMOVE ALL WIRE, PLASTIC, TAGS AND/OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING

D= TYPICAL ON CENTER (O.C.) SPACING AS INDICATED IN THE PLANTING SCHEDULE



01 PERENNIAL DETAIL
Scale: 1" = 1'-0"

D:\Revit_2023\Project\Plan\Saint-Stephen-Parking-Lot_E23_Willem_Viculus.rvt



GENERAL NOTES - SITE LIGHTING DEMO.

- A. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF NATIONAL AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
- B. SEE CIVIL/LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR AREAS OF AND PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- C. DISCONNECT, REMOVE, AND RESPONSIBLY DISPOSE OF ALL LUMINAIRES, POLES, POLE BASES, CONDUIT, WIRING, AND ASSOCIATED ACCESSORIES AT LUMINAIRES IDENTIFIED FOR DEMOLITION.
- D. PROTECT EXISTING PARKING LOT LIGHTING POWER BRANCH CIRCUIT(S) AND PREPARE FOR RECONNECTION TO NEW PARKING LOT LIGHTING.

KEYNOTES

- AA1 DISCONNECT, REMOVE, AND RESPONSIBLY DISPOSE OF LUMINAIRE, POLE, POLE BASE, CONDUIT, WIRING, AND ASSOCIATED ACCESSORIES. PROVIDE ADD-ALTERNATE PRICING FOR THIS SCOPE.

1 ELECTRICAL SITE LIGHTING DEMOLITION PLAN
1" = 30'-0"



ST. STEPHEN LUTHERAN CHURCH
BLOOMINGTON, MN

**ST STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S, MN 55431
BID SET

SUMMARY
DESIGNED: WSN DRAWN: MPG
APPROVED: WSN
PHASE: BID SET INITIAL ISSUE: 02/14/2025

REVISION HISTORY

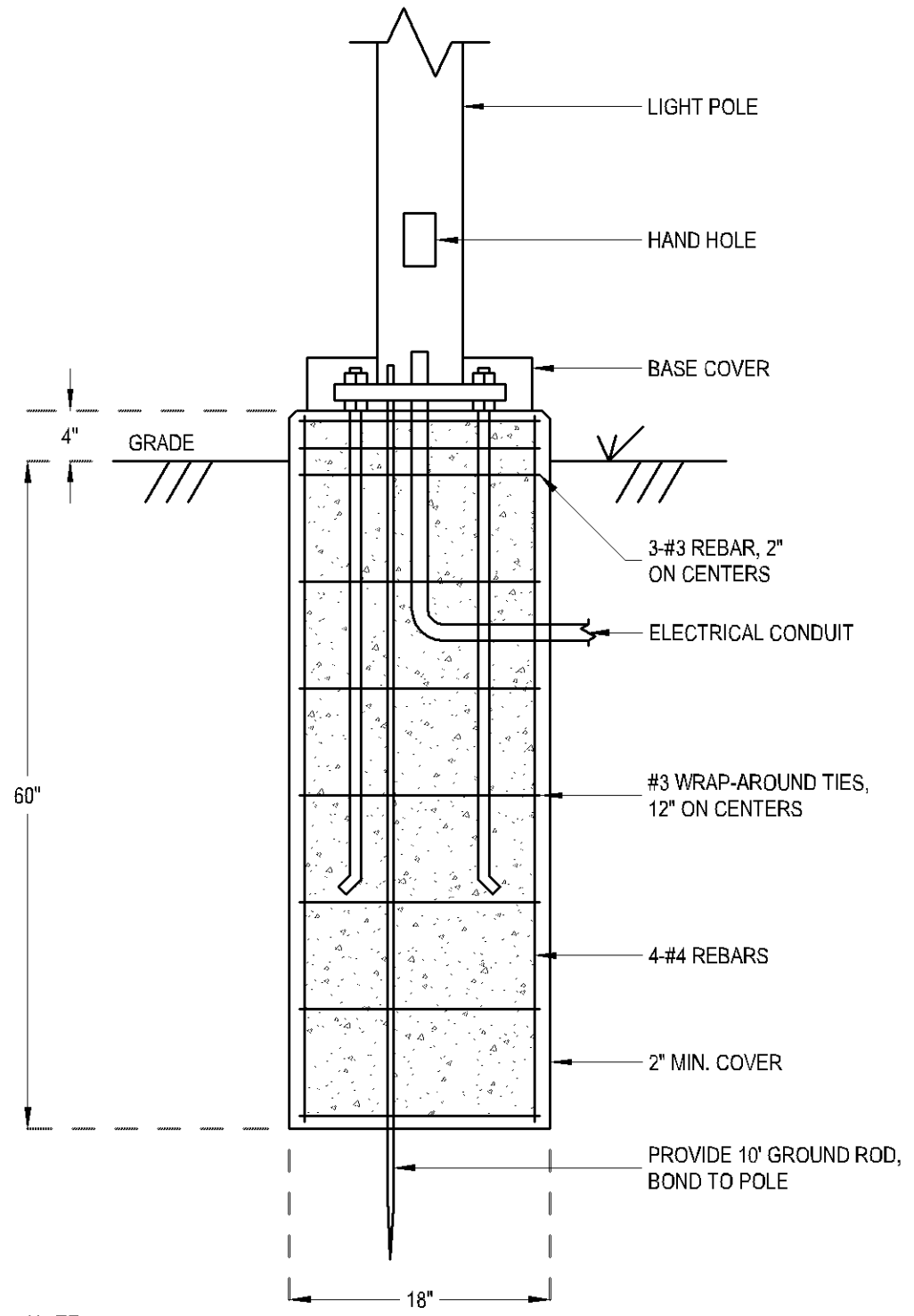
#	DATE	DESCRIPTION
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2	03.18.2025	Addendum #01

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 ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
W.S. Nichols
WILLOW S. NICHOLS
DATE 02.24.2025 REG. NO. 49864

ELECTRICAL SITE LIGHTING DEMOLITION PLAN

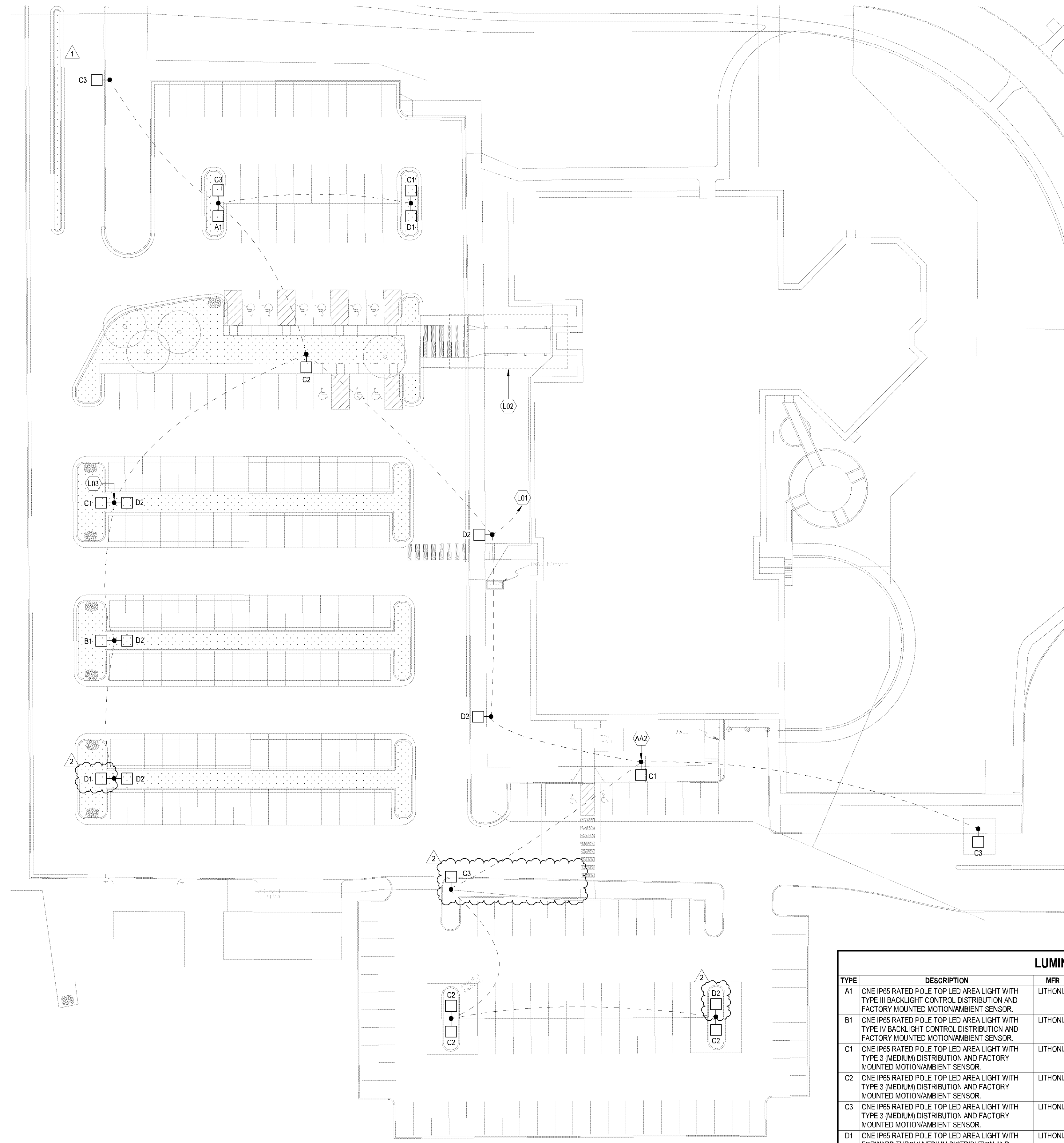
SOLUTION BLUE PROJECT NO: 230801

E101

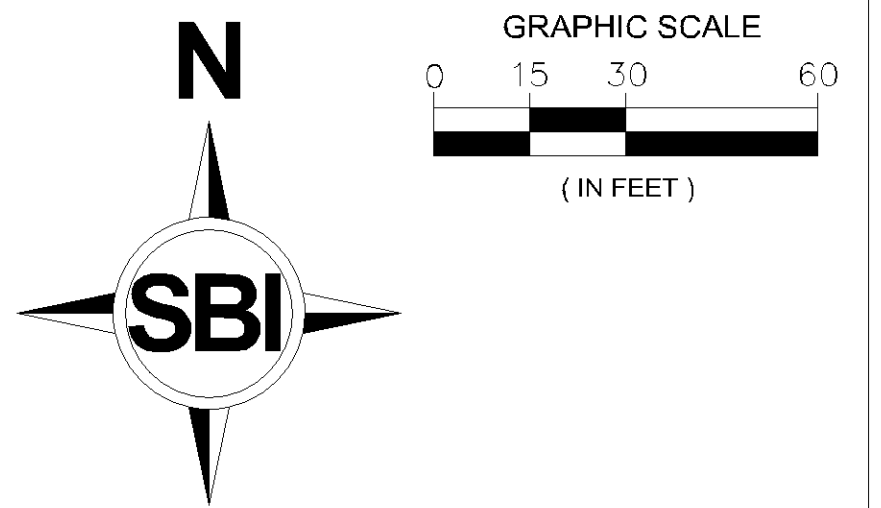


NOTE:
POLE BASE IS FOR REFERENCE AND BUDGETING PURPOSES. LIGHT POLE INSTALLER TO PROVIDE COMPLETE POLE BASE DESIGN BASED ON SOIL CONDITIONS, POLE LENGTH, WEIGHT, ETC.

2 LIGHT POLE BASE DETAIL
NOT TO SCALE



1 ELECTRICAL SITE LIGHTING PLAN
1" = 30'-0"



- GENERAL NOTES - SITE LIGHTING**
- A. ALL ELECTRICAL LUMINAIRE, EQUIPMENT, AND DEVICES ON THIS SHEET ARE NEW, UNLESS NOTED OTHERWISE.
 - B. CIRCUIT WIRING IS NOT SHOWN. PROVIDE NUMBER OF CONDUCTORS NEEDED TO ACHIEVE CIRCUITING AND SWITCHING ARRANGEMENTS INDICATED.
 - C. INTERCEPT AND CONNECT NEW PARKING LOT LIGHTING POWER BRANCH CIRCUIT(S) TO EXISTING BRANCH CIRCUIT(S) PROTECTED DURING DEMOLITION.
 - D. PROVIDE #8 XHHW CONDUCTORS IN MINIMUM 1" SCHEDULE 80 PVC CONDUIT, TYPICAL.
 - E. PROVIDE CONCRETE POLE BASE AT EACH NEW LUMINAIRE LOCATION; REFER TO DETAIL 2, THIS SHEET.
 - F. FACTORY MOUNTED PARKING LOT LIGHTING SENSORS SHALL AUTOMATICALLY TURN OFF CONTROLLED LUMINAIRE WHEN SUFFICIENT DAYLIGHT IS AVAILABLE AND SHALL AUTOMATICALLY REDUCE THE POWER OF EACH LUMINAIRE BY A MINIMUM OF 50% WHEN NO ACTIVITY HAS BEEN DETECTED IN THE AREA ILLUMINATED BY THE CONTROLLED LUMINAIRE FOR A TIME OF NO LONGER THAN 15 MINUTES.
 - G. TRAIN OWNER ON MAINTENANCE AND OPERATION OF NEW LIGHTING AND ASSOCIATED CONTROLS.

KEYNOTES

AA2	PROVIDE NEW LUMINAIRE, POLE, POLE BASE, CONDUIT, WIRING, AND ASSOCIATED ACCESSORIES. PROVIDE ADD-ALTERNATE PRICING FOR THIS SCOPE.
L01	INTERCEPT AND CONNECT NEW PARKING LOT AREA LIGHTS TO EXISTING PARKING LOT LIGHTING POWER BRANCH CIRCUIT(S). MAINTAIN EXISTING TIME CLOCK CONTROLS.
L02	PRIMARY ENTRY LIGHTING PROVIDED BY ILLUMINATED CANOPY; PHOTOMETRIC DATA UNAVAILABLE.
L03	COORDINATE POLE BASE INSTALLATION WITH STORM DRAIN; SPACING WILL BE TIGHT AT THIS LOCATION.

PARKING LOT LIGHTING POWER

AREA NAME	APPROXIMATE AREA SIZE	PROPOSED LIGHTING LOAD	PROPOSED LIGHTING POWER	ALLOWED LIGHTING POWER
PARKING LOT	130145 SF	3173 W	0.02 W/ft ²	0.04 W/ft ²

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MFR	MODEL	WATTAGE	CCT	CRI	LUMENS	MOUNTING
A1	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH TYPE III BACKLIGHT CONTROL DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P1 40K BLC3 MVOLT SPA PIR	135 W	4000 K	70+	14,166 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
B1	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH TYPE IV BACKLIGHT CONTROL DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P1 40K BLC4 MVOLT SPA PIR	135 W	4000 K	70+	14,631 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
C1	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH TYPE 3 (MEDIUM) DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P1 40K T3M MVOLT SPA PIR	135 W	4000 K	70+	19,478 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
C2	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH TYPE 3 (MEDIUM) DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P2 40K T3M MVOLT SPA PIR	178 W	4000 K	70+	24,922 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
C3	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH TYPE 3 (MEDIUM) DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P3 40K T3M MVOLT SPA PIR	218 W	4000 K	70+	29,420 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
D1	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH FORWARD THROW MEDIUM DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P1 40K TFTM MVOLT SPA PIR	135 W	4000 K	70+	19,905 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C
D2	ONE IP65 RATED POLE TOP LED AREA LIGHT WITH FORWARD THROW MEDIUM DISTRIBUTION AND FACTORY MOUNTED MOTION/AMBIENT SENSOR.	LITHONIA	DSX2 LED P2 40K TFTM MVOLT SPA PIR	178 W	4000 K	70+	25,469 lm	25' SQUARE STRAIGHT STEEL POLE: LITHONIA SSS 25 4C



ST. STEPHEN LUTHERAN CHURCH
BLOOMINGTON, MN

**ST STEPHEN LUTHERAN CHURCH
PARKING LOT IMPROVEMENTS**
8400 FRANCE AVE S, MN 55431

BID SET

SUMMARY
DESIGNED: WSN DRAWN: MPG
APPROVED: WSN
PHASE: BID SET INITIAL ISSUE: 02/14/2025

REVISION HISTORY

#	DATE	DESCRIPTION
1	02.24.2025	Addendum #01
2	03.18.2025	Addendum #01

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W.S. Nichols
WILLOWS, NICHOLS
DATE: 02.24.2025 REG. NO. 49864

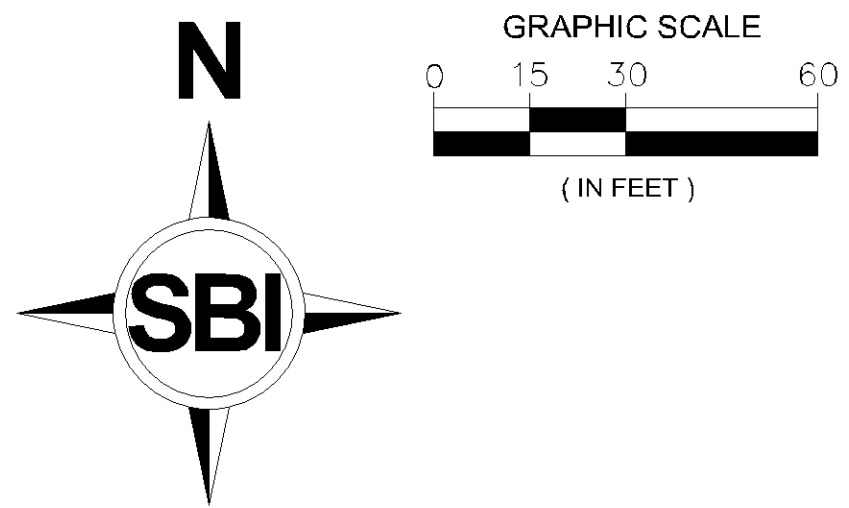
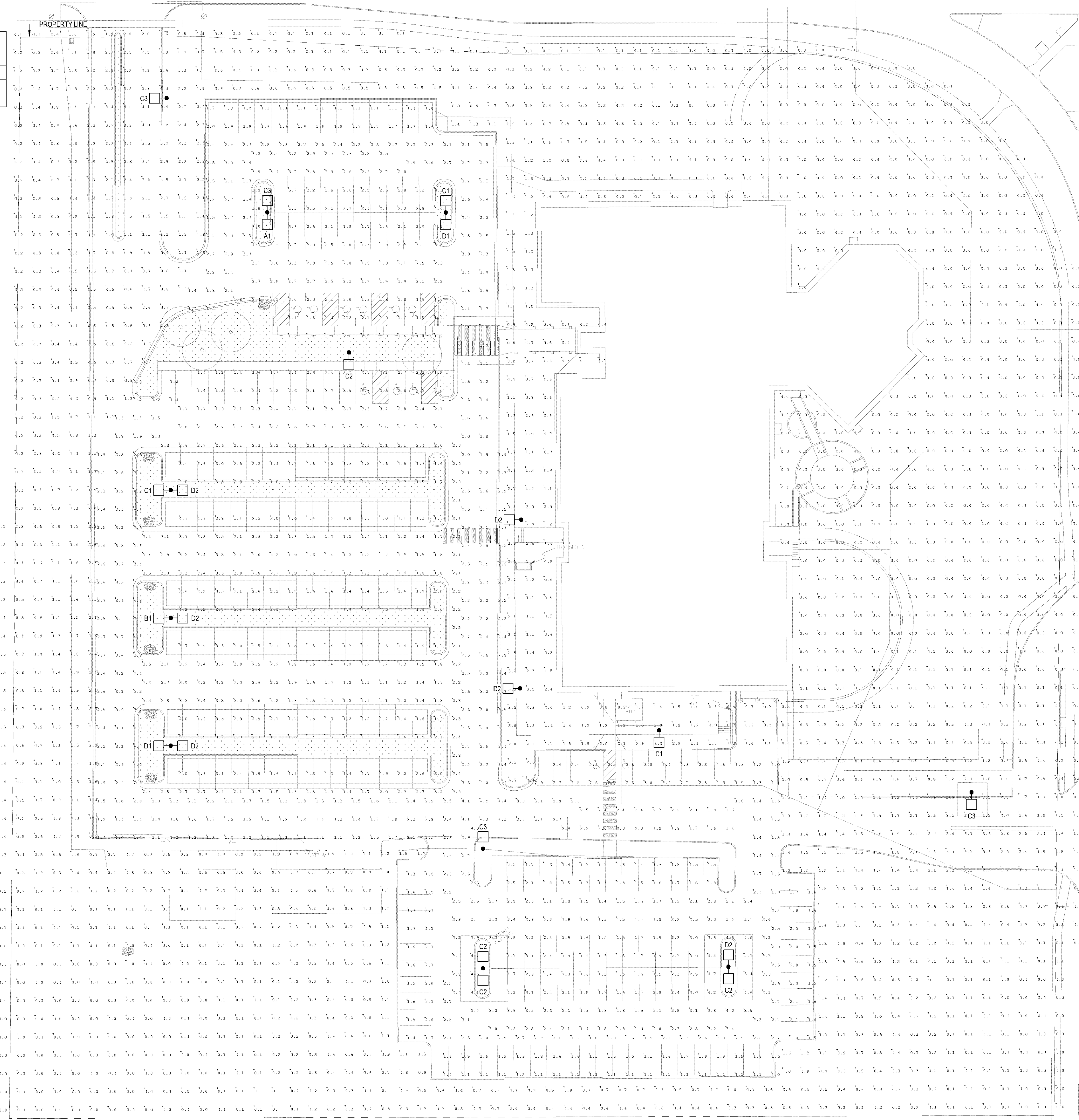
ELECTRICAL SITE LIGHTING PLAN

SOLUTION BLUE PROJECT NO: 230801

E201

CALCULATION SUMMARY - MAINTAINED CONDITIONS

AREA	AVG.	MAX.	MIN.	AVG./MIN.	MAX./MIN.
PARKING LOT - INNER	2.35	5.4	1.0	2.35	5.40
PARKING LOT - PERIMETER	2.20	4.7	1.0	2.20	4.70
SITE EXTENTS	0.54	4.4	0.0	N.A.	N.A.



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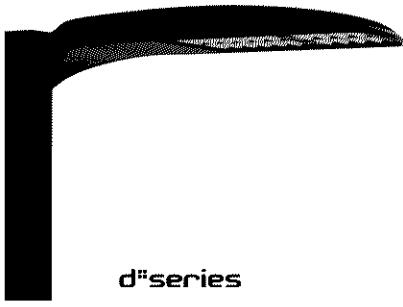
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WILLOWS, NICHOLS
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ELECTRICAL SITE
PHOTOMETRIC PLAN -
MAINTAINED CONDITIONS
SOLUTION BLUE PROJECT NO: 230801

E203

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D-Series Size 2 LED Area Luminaire

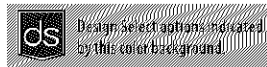
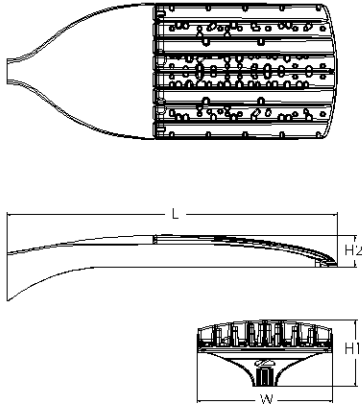


d^{series}



Specifications

EPA:	1.06 ft ² (0.10 m ²)
Length:	40.59" (103.1 cm)
Width:	16.76" (42.6 cm)
Height H1:	8.11" (20.6 cm)
Height H2:	3.96" (10.1 cm)
Weight:	46 lbs (20.9 kg)



Catalog Number
Notes
Type

Pin the Tab key to navigate over the page to see all interactive elements.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of up to 80% vs. 1000W HID and expected service life of over 100,000 hours.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX2 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting	
DSX2 LED	Forward optics P1 P5 P2 P6 P3 P7 P4 P8 Rotated optics P10 ¹ P13 ¹ P11 ¹ P14 ¹ P12 ¹	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type short T2M Type II medium T3M Type III medium T3LG Type III low glare ³ T4M Type IV medium T4LG Type IV low glare ³ TFTM Forward throw medium	T3M Type V medium TSLG Type V low glare T5W Type V wide BLC3 Type III backlight control ³ BLC4 Type IV backlight control ³ LCCO Left corner cutoff ³ RCCO Right corner cutoff ³	MVOLT (120V-277V) HVOLT (347V-480V) ^{1,2} XVOLT (277V-480V) ^{1,2} 120 ^{16,26} 208 ^{16,26} 240 ^{16,26} 277 ^{16,26} 347 ^{16,26} 480 ^{16,26}	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling ⁵ RPA5 Round pole mounting #5 drilling ⁵ SPA8M Square narrow pole mounting #8 drilling WBA Wall bracket ⁷ MA Mast arm adapter (mounts on 2.3/8" OD horizontal tenon)

Control options	Other options	Finish required
Shipped installed NLTAIR2 PIRHN Night AIR gen 2, enabled with bi-level motion / ambient sensor, 8-40" mounting height, ambient sensor enabled at 2ft ^{14,21} PIR High/low, motion/ambient sensor, 8-40" mounting height, ambient sensor enabled at 2ft ^{14,21} PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁴ PER5 Five-pin receptacle only (controls ordered separate) ^{14,21}	Shipped installed SPD20KV 20KV surge protection HS Fluorescent high (black finish standard) L90 Left rotated optics ¹ R90 Right rotated optics ¹ CCE Coastal Construction ²⁵ HA 50°C ambient operation ¹⁴ BAA Buy America(r) Act and/or Build America Buy America Qualified SF Single fuse (120, 277, 347V) ¹⁴ DF Double fuse (208, 240, 480V) ¹⁴ 36 Vibration rated for 3G ²¹	Shipped separately EGSR External Glare Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required) DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWH6XD Textured white



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Ordering Information

Accessories

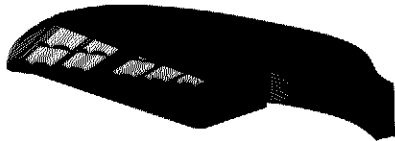
Ordered and shipped separately

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹
DLL347F 1.5 CULJU	Photocell - SSL twist-lock (347V) ²
DLL480F 1.5 CULJU	Photocell - SSL twist-lock (480V) ²
DSHORT SBK	Shorting cap ³
DSX2HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPAS (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPAS (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX2EGSR (FINISH)	External glare shield (specify finish)
DSX2BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

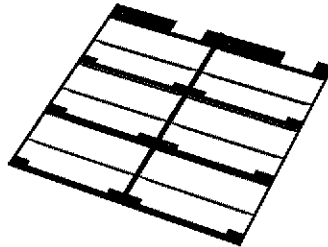
NOTES

- Rotated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in package P10. XVOLT not available with fusing (SF or DF).
- SPAS and RPAS for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P10 using HVOLT. NLTAIR2 PIRHN not available with P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using HVOLT. PIR not available with P10 using XVOLT.
- 14) PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads on P1, P2, P3, P4, P5 (2 drivers). Note: Provides 60/40 operation using (2) different sets of leads on P6, P7, P8, P9, P10, P11, P12, P13, P14 (3 drivers).
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Option 3G for use with (MA) mast arm mount only when 3G vibration is required.

Shield Accessories



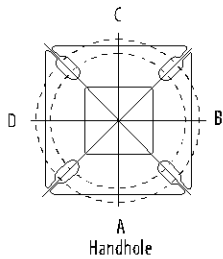
External Glare Shield (EGSR)



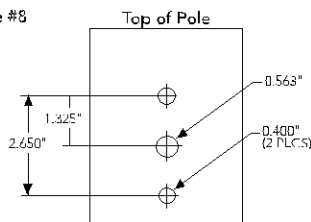
House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5190	AS3-5280	AS3-5290	AS3-5390	AS3-5320	AS3-5490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"		3"
RPAS	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX2 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 with SPA	1.06	2.12	1.84	2.32	---	2.33
DSX2 with SPAS, SPA8N	1.07	2.14	1.90	2.43	---	2.44
DSX2 with RPA, RPAS	1.07	2.14	1.90	2.43	2.31	2.44
DSX2 with MA	1.20	2.40	2.12	3.00	2.92	3.00

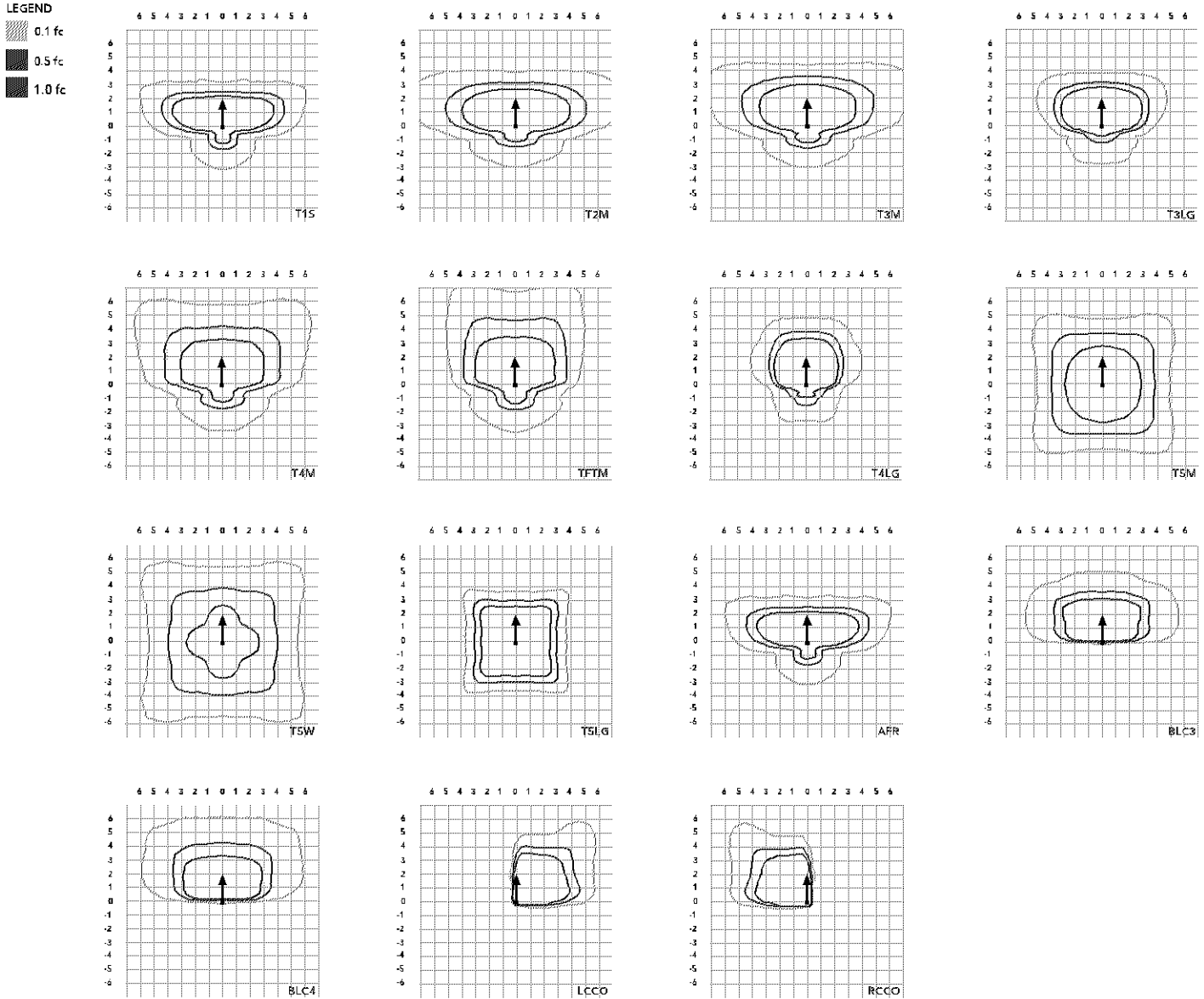


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DSX2-LED
 Rev. 01/28/25
 Page 2 of 10

Isofootcandle plots for the DSX2 LED P8 40K 70CRI. Distances are in units of mounting height (40').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F)

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11)

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.82

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	135	1.12	0.65	0.56	0.49	0.39	0.28
	P2	80	700	181	1.49	0.86	0.75	0.65	0.52	0.37
	P3	80	850	222	1.83	1.05	0.91	0.79	0.63	0.46
	P4	80	1050	277	2.27	1.31	1.14	0.98	0.79	0.57
	P5	80	1250	333	2.72	1.57	1.36	1.18	0.94	0.68
	P6	100	1050	345	2.85	1.64	1.42	1.23	0.98	0.71
	P7	100	1250	414	3.41	1.97	1.70	1.48	1.18	0.85
	P8	100	1400	466	3.85	2.22	1.93	1.67	1.33	0.96
Rotated Optics (Requires L90 or R90)	P10	90	530	152	1.27	0.73	0.63	0.55	0.44	0.32
	P11	90	700	203	1.69	0.97	0.84	0.73	0.58	0.42
	P12	90	850	249	2.06	1.19	1.03	0.89	0.71	0.52
	P13	90	1200	358	2.95	1.70	1.47	1.28	1.02	0.74
	P14	90	1400	421	3.46	2.00	1.73	1.50	1.20	0.87

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80 CRI		90 CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied (Dimmed Level)	High Level (When Occupied)	Photocell Operation	Delay Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSB6	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight AIR rSB6	nLight AIR sensors can be programmed and commissioned from the ground using the CLARITY Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

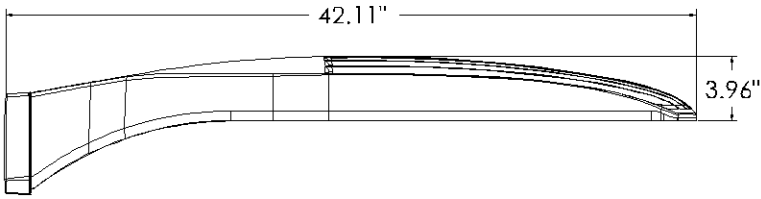
Performance Data

Lumen Output

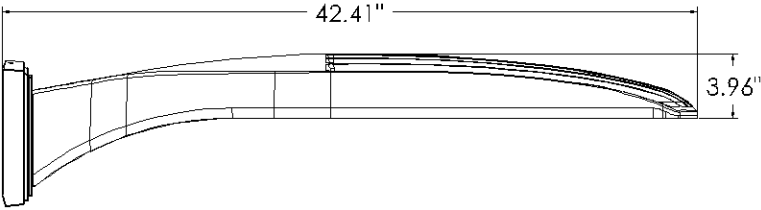
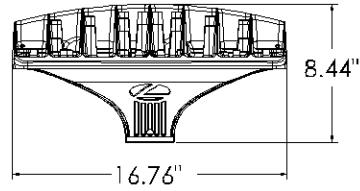
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(5000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	135W	80	530	T1S	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158				
				T2M	18,477	3	0	4	137	19,256	3	0	4	143	19,632	3	0	4	146				
				T3M	18,691	3	0	5	139	19,480	3	0	5	145	19,859	3	0	5	148				
				T3LG	16,696	2	0	2	124	17,400	2	0	2	129	17,740	2	0	2	132				
				T4M	18,970	3	0	5	141	19,770	3	0	5	147	20,155	3	0	5	150				
				T4LG	17,253	2	0	2	128	17,981	2	0	2	134	18,331	2	0	2	136				
				TFTM	19,101	3	0	5	142	19,907	3	0	5	148	20,295	3	0	5	151				
				T5M	19,517	5	0	3	145	20,341	5	0	3	151	20,737	5	0	3	154				
				T5W	19,834	5	0	3	147	20,670	5	0	3	154	21,073	5	0	3	157				
				T5LG	19,574	4	0	2	146	20,400	4	0	2	152	20,797	4	0	2	155				
				BLC3	13,595	0	0	3	101	14,169	0	0	3	105	14,445	0	0	3	107				
				BLC4	14,042	0	0	4	104	14,634	0	0	4	109	14,919	0	0	4	111				
				RCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108				
				LCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108				
				AFR	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158				
				P2	179W	80	700	T1S	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
								T2M	23,641	3	0	5	132	24,638	3	0	5	137	25,118	3	0	5	140
T3M	23,915	3	0					5	133	24,924	3	0	5	139	25,410	3	0	5	142				
T3LG	21,363	3	0					3	119	22,264	3	0	3	124	22,698	3	0	3	127				
T4M	24,272	3	0					5	135	25,296	3	0	5	141	25,789	3	0	5	144				
T4LG	22,075	3	0					3	123	23,006	3	0	3	128	23,455	3	0	3	131				
TFTM	24,440	3	0					5	136	25,471	3	0	5	142	25,967	3	0	5	145				
T5M	24,972	5	0					3	139	26,026	5	0	3	145	26,533	5	0	3	148				
T5W	25,377	5	0					4	142	26,448	5	0	4	148	26,963	5	0	4	150				
T5LG	25,045	4	0					2	140	26,101	4	0	2	146	26,610	4	0	2	148				
BLC3	17,395	0	0					4	97	18,129	0	0	4	101	18,482	0	0	4	103				
BLC4	17,966	0	0					4	100	18,724	0	0	5	104	19,089	0	0	5	107				
RCCO	17,552	1	0					4	98	18,293	1	0	4	102	18,649	1	0	4	104				
LCCO	17,552	1	0					4	98	18,293	1	0	4	102	18,649	1	0	4	104				
AFR	25,520	3	0					3	142	26,597	3	0	3	148	27,116	3	0	3	151				
P3	219W	80	850					T1S	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
								T2M	27,908	3	0	5	127	29,085	3	0	5	133	29,652	3	0	5	135
				T3M	28,232	3	0	5	129	29,423	3	0	5	134	29,996	3	0	5	137				
				T3LG	25,218	3	0	3	115	26,282	3	0	3	120	26,794	3	0	3	122				
				T4M	28,652	3	0	5	131	29,861	3	0	5	136	30,443	3	0	5	139				
				T4LG	26,059	3	0	3	119	27,159	3	0	3	124	27,688	3	0	3	126				
				TFTM	28,851	3	0	5	132	30,068	3	0	5	137	30,654	3	0	5	140				
				T5M	29,479	5	0	4	134	30,723	5	0	4	140	31,322	5	0	4	143				
				T5W	29,957	5	0	4	137	31,221	5	0	4	142	31,830	5	0	4	145				
				T5LG	29,565	4	0	2	135	30,812	5	0	2	140	31,413	5	0	2	143				
				BLC3	20,555	0	0	4	94	21,401	0	0	4	98	21,818	0	0	4	99				
				BLC4	21,209	0	0	5	97	22,104	0	0	5	101	22,524	0	0	5	103				
				RCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100				
				LCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100				
				AFR	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146				
				P4	273W	80	1050	T1S	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140
								T2M	33,236	3	0	5	122	34,638	3	0	5	127	35,213	3	0	5	130
T3M	33,622	3	0					5	123	35,040	3	0	5	129	35,723	3	0	5	131				
T3LG	30,033	3	0					4	110	31,300	3	0	4	115	31,910	3	0	4	117				
T4M	34,123	3	0					5	125	35,562	3	0	5	130	36,255	3	0	5	133				
T4LG	31,035	3	0					4	114	32,344	3	0	4	119	32,974	3	0	4	121				
TFTM	34,359	3	0					5	126	35,808	3	0	5	131	36,506	3	0	5	134				
T5M	35,108	5	0					4	129	36,589	5	0	4	134	37,302	5	0	4	137				
T5W	35,677	5	0					4	131	37,182	5	0	5	136	37,907	5	0	5	139				
T5LG	35,209	5	0					3	129	36,695	5	0	3	135	37,410	5	0	3	137				
BLC3	24,456	0	0					4	90	25,487	0	0	4	93	25,984	0	0	5	95				
BLC4	25,258	0	0					5	93	26,324	0	0	5	97	26,837	0	0	5	98				
RCCO	24,676	1	0					4	91	25,717	1	0	4	94	26,218	1	0	4	96				
LCCO	24,676	1	0					4	91	25,717	1	0	4	94	26,218	1	0	4	96				
AFR	35,879	3	0					4	132	37,392	3	0	4	137	38,121	3	0	4	140				

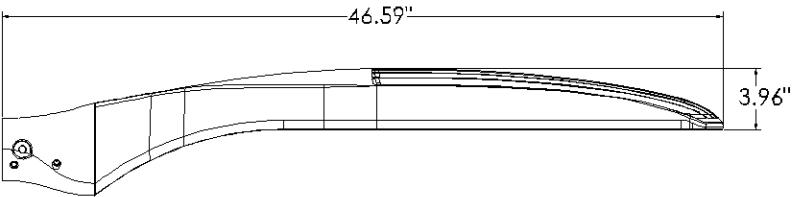
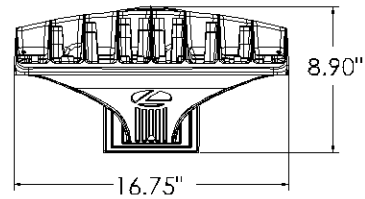
Dimensions



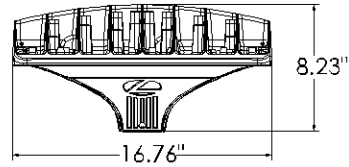
DSX2 with RPA, RPA5, SPA5, SPA8N mount
Weight: 48 lbs



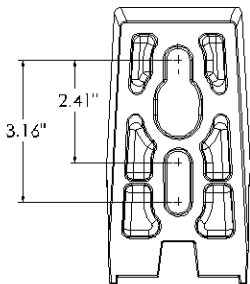
DSX2 with WBA mount
Weight: 50 lbs



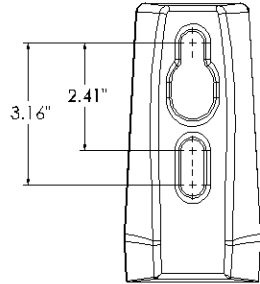
DSX2 with MA mount
Weight: 50 lbs



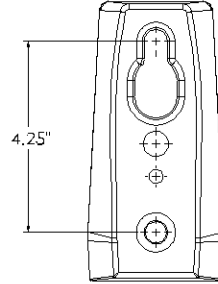
SPA (STANDARD ARM)



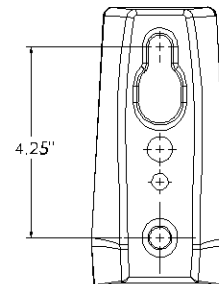
RPA



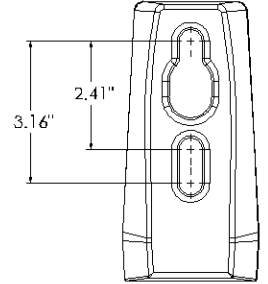
SPA5



RPA5

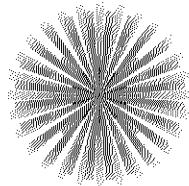


SPA8N

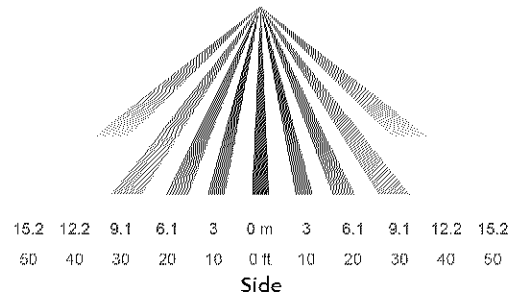
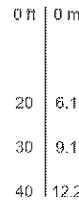


nLight Sensor Coverage Pattern

NLTAIR2 PIR-HN



Top



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. 3G vibration rated available for (MA) mast arm mount when specifying option 3G. Low EPA (1.06 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L82/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drillings from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPAS or RPAS. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight™ AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.