

SHEET INDEX

00-G-GENERAL GI001 GENERAL NOTES, SYMBOLS AND ABBREVIATIONS 01-C-CIVIL TOPOGRAPHIC SURVEY EXISTING CONDITIONS & DEMOLITION PLAN CIVIL SITE & UTILITY PLAN CIVIL GRADING PLAN CIVIL CONSTRUCTION DETAILS LANDSCAPE NOTES TREE PRESERVATION PLAN SITE ORIENTATION PLAN - AND SCHEDULES SITE MATERIALS PLAN SITE SOILS PLAN SITE PLANTING PLAN SITE DETAILS SITE LANDSCAPE DETAILS 07-S-STRUCTURAL SB101 FOUNDATION PLAN AND DETAILS 08-A-ARCHITECTURAL AE101 SITE PLAN AE102 ENLARGED PLANS AE103 ELEVATIONS AE104 ARMATURE AE110 ARMATURE SUPPORT DETAILS AE111 FLAGPOLE DETAILS AE112 VETERAN'S LIGHT DETAILS - ADD ALT. AE113 DETAILS

E-001 ELECTRICAL SYMBOLS AND GENERAL NOTES

E-701 ELECTRICAL LIGHTING SCHEDULE

ES101 ELECTRICAL SITE PLAN

15-E-ELECTRICAL

BLOOMINGTON VETERANS MEMORIAL

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON MN 55431

PROJECT NO. 023-10332-021 12/20/2024 50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING



PLANNING

ARCHITECTURE

ENGINEERING

INTERIORS

DAMON FARBER LANDSCAPE ARCHITECTS



FIRE EXTINGUISHER CABINET

KITCHEN

CP CEMENT PIPE

ABBREVIATIONS FURNITURE, FIXTURE, AND EQUIPMENT KILOPASCALS SERVICE SINK / SANITARY SEWER CRASH RAIL AIR CONDITIONING FIRE HYDRANT KITCHEN SINK PAINT / PUMP / PENDANT SOLID SURFACE MATERIAL CONCRETE SEALER FIRE HOSE CABINET KILOVOLT ANCHOR BOLT / AIR BLENDER PASCAL STORM SEWER OVERFLOW ACRYLONITRILE-BUTADIENE-STYRENE CUBIC FEET PER SECOND KILOVOLT AMPERE STAIR TREAD ALTERNATING CURRENT / AIR COMPRESSOR CERAMIC TILE / COOLING TOWER **FIXTURE** KILOWATTS STAINLESS STEEL PAVEMENT ACP ASBESTOS CEMENT PIPE FLOOR STATION CTB CERAMIC TILE BASE POINT OF CURVATURE / PRIVACY CURTAIN STA ACU AIR CONDITIONING UNIT CERAMIC TILE FLOOR PCF POUNDS PER CUBIC FOOT STD STANDARD FORCE MAIN / FACTORY MUTUAL LITER AREA DRAIN CTR CENTER FIREPROOFING / FIRE PUMP LABORATORY AIR PED PEDESTAL STANDARD TAPERED END STE STIFFENER CERAMIC TILE WALL LABORATORY PERP PERPENDICULAR STIFF ADA AMERICANS WITH DISABILITIES ACT CTW FEET PER MINUTE ADJ ADJACENT / ADJUSTABLE CONDENSING UNIT FIRE RATED LAMINATE PREHEAT COIL STIR STIRRUP ADR PLUMBING, HEATING, VENTILATING AND AIR ACCESS DOOR CABINET UNIT HEATER FIBERGLASS REINFORCED PLASTIC LAVATORY PHVAC STL STEEL CONDITIONING AFF ABOVE FINISH FLOOR STORAGE CUYD CUBIC YARD FLOW SWITCH POUNDS STOR POINT OF INTERSECTION AUTHORITY HAVING JURISDICTION COLD WATER LINEAR FEET STR STRUCTURAL POST INDICATOR VALVE AHU AIR HANDLING UNIT FOOTING LINEAR SUSP SUSPENDED FIRE VALVE CABINET PARKING LINOLEUM SW SWITCH ALUMINUM DRAIN / DIFFUSER PLASTIC LAMINATE / PROPERTY LINE / PLATE DENTAL AIR SWGR SWITCHGEAR ALT ALTERNATE LIVE LOAD PLASTER DOUBLE SYMMETRICAL APC ACOUSTICAL PANEL CEILING GAS / GRILLE LONG LEG HORIZONTAL SYM PLBG PLUMBING APPROX APPROXIMATELY DEPRESSED GAGE LONG LEG VERTICAL POUNDS PER LINEAR FOOT APARTMENT DEPARTMENT LIGHTWEIGHT MASONRY UNITS TREAD GALVANIZED PLYWD PLYWOOD ARCH ARCHITECT(URAL) DETAIL LONGITUDINAL TOP AND BOTTOM GRAB BAR LONG PNL PANEL ASPH ASPHALT DRINKING FOUNTAIN GRAVITY BACKDRAFT DAMPER LPM LITERS PER MINUTE TONGUE AND GROOVE POL CONC POLISHED CONCRETE ATB TOP OF CURB AIR TERMINAL BOX DIAMETER GENERATOR LIGHT GEN ATC DIAG **GFRC** GLASS FIBER REINFORCED CONCRETE LT WT LIGHT WEIGHT TOP ELEVATION ACOUSTICAL TILE CEILING DIAGONAL POURED RESINOUS FLOORING AIR TRANSFER DUCT DIFFUSER GALVANIZED IRON LIGHTING TELEPHONE PROJ ATU AIR TERMINAL UNIT DUCTILE IRON PIPE LABORATORY VACUUM PROJECTION TEMP TEMPERATURE PRESSURE REGULATING VALVE AUX GLASS BLOCK LEVEL TERR TERRAZZO AUXILIARY DISCONNECT LVL POUNDS PER SQUARE FOOT AVG **AVERAGE** DISP DISPENSER GLP GLASS PANEL LUXURY VINYL TILE TLT TOILET POUNDS PER SQUARE INCH AWT ACOUSTICAL WALL TREATMENT DISTRIBUTION GLT **GLASS TILE** TOPOGRAPHY TOPO POINT OF TANGENCY DECK **GLAZED PAINT** TOP OF STEEL METER PORCELAIN TILE BASE DEAD LOAD **GALLONS PER MINUTE** SQUARE METER TOP OF WALL PORCELAIN TILE FLOOR GR TOP OF PAVEMENT BALLED AND BURLAPPED DOWN GRADE CUBIC METER PTVC POINT OF VERTICAL CURVATURE BD BOARD DITTO GRV GRAVITY ROOF VENTILATOR MEDICAL AIR TRANS TRANSVERSE PTW PORCELAIN TILE WALL BDD BACK DRAFT DAMPER **GROUT** MAINTENANCE TRANSITION STRIP POLYVINYL CHLORIDE DOOR **BOTTOM ELEVATION** TYPICAL GYPSUM WALLBOARD POINT OF VERTICAL INTERSECTION DOWNSPOUT MASONRY **BUILDING LINE** GYPSUM POINT OF VERTICAL TANGENCY BLDG DENTAL VACUUM MATERIAL BUILDING UNDERCUT BLKG MAXIMUM UNDERGROUND BLOCKING QUARRY TILE BASE BENCH MARK / BEAM DOWEL HEATING COIL METAL BASE UNIT HEATER QUARRY TILE FLOOR BARE ROOT DOMESTIC WATER PUMP HDNR HARDENER 1000 BTUH UNLESS NOTED OTHERWISE QUARTZ POLYMER HDW BEARING HARDWARE MEDIUM DENSITY OVERLAY URINAL BRITISH THERMAL UNIT EACH / EXHAUST AIR HDWD HARDWOOD MECHANICAL UNIT VENTILATOR RADIUS / REGISTER BTUH BRITISH THERMAL UNIT PER HOUR ENTRY CARPET TILE HK1E HOOK ONE END METAL RETURN AIR EACH FACE / EXHAUST FAN HK2E HOOK TWO ENDS MANUFACTURER VOLT RAISED ACCESS FLOORING MOTOR GENERATOR / MEDICAL GAS CENTER TO CENTER **EXPANSION JOINT** HOLLOW METAL VARIABLE AIR VOLUME RESILIENT BASE ELEVATION VERTICAL CURVE CABINET MANHOLE RCP REINFORCED CONCRETE PIPE CIRCUIT BREAKER / CATCH BASIN ELECTRIC(AL) ELEC HORIZ HORIZONTAL MINIMUM VCP VITRIFIED CLAY PIPE CC COOLING UNIT **ELEV ELEVATOR** MAIN LUGS ONLY VCT VINYL COMPOSITION TILE HORSEPOWER REFERENCE **EMBEDMENT** COVER ELEVATION HIGH POINT MILLIMETER VERTICAL REFLECTED CEM CEMENT ESTIMATED MAXIMUM DEMAND HOUR MASONRY OPENING VEST VESTIBULE CFM CUBIC FEET PER MINUTE ELECTRICAL METAL TUBING HIGH STRENGTH METAL PANEL VARIABLE FREQUENCY DRIVE REINF REINFORCED CORNER GUARD ENTRANCE GRATING HEIGHT METAL TRANSITION VENT THROUGH ROOF REQD REQUIRED CHILLER **EPOXY PAINT** HTG HEATING MTD MOUNTED VINYL WALL COVERING REVERSE / REVISION CURB INLET / CAST IRON HTR HEATER MOUNTING HVAC HEATING, VENTILATING AND AIR CONDITIONING RETURN FAN CAST IRON PIPE MULLION WATT / WATER EQUIP EQUIPMENT MULL RIGID GALVANIZED STEEL CONTROL JOINT OR CONTRACTION JOINT EXPANSION TANK / EPOXY TERRAZZO HOT WATER MEDICAL VACUUM WITH ROOF HOOD / RELATIVE HUMIDITY / REHEAT EPOXY TERRAZZO INTEGRAL COVE BASE HWC HOT WATER CIRCULATING W/O WITHOUT RHC REHEAT COIL WASTE ANESTHESIA GAS DISPOSAL CENTER LINE MEDICAL GAS EVACUATION HERTZ NITROGEN WAGD ROOM CLG NITROUS OXIDE WATER CLOSET / WALL COVERING CEILING EW EACH WAY ROUGH OPENING ELECTRICAL WATER COOLER CLO CLOSET INSTRUMENT AIR NATIONAL ELECTRICAL CODE WD WOOD RIGHT OF WAY CLR ELECTRICAL WATER HEATER INTERCOM NATIONAL FIRE PROTECTION WDB WOOD BASE CLEAR RESILIENT SHEET CENTIMETER **EXHAUST** INSIDE DIAMETER NOT IN CONTRACT WDF WOOD FLOOR RESILIENT TILE CUBIC METER PER HOUR EXP **EXPOSED** INVERT ELEVATION NUMBER WDP WOOD PANEL CMP CORRUGATED METAL PIPE EXPN **EXPANSION** INSIDE FACE NOM NOMINAL WDW WINDOW STAIR / STAIN / SURFACE / SANITARY CMU **EXISTING** NOT TO SCALE WDWF WINDOW FILM CONCRETE MASONRY UNIT INCH SUPPLY AIR / SOUND ATTENUATOR CLEANOUT / CARBON MONOXIDE **EXTERIOR** INSULATION WGD WALL GUARD SANITARY WATER HEATER / WALL HYDRANT INTERIOR OFFSET CARBON DIOXIDE WH SCH SCHEDULE COLUMN FIRE MAIN OUTSIDE AIR WP WEATHERPROOF SMOKE DAMPER / SUB DRAIN / STORM SEWER COMB COMBINATION / COMBINE FIRE ALARM OPPOSED BLADE DAMPER WATERPROOFING JANITOR SECT COMP COMPRESSIBLE SECTION FAN COIL UNIT JUNCTION BOX ON CENTER WATER STOP CONC CONCRETE SUPPLY FAN WEIGHT / WINDOW TREATMENT FLOOR DRAIN / FIRE DAMPER **OUTSIDE DIAMETER** JOCKEY PUMP SHT SHEET COMBINATION FIRE AND SMOKE DAMPER CONN CONNECTION JOIST OUTSIDE FACE WELDED WIRE FABRIC FIRE DEPARTMENT CONNECTION SIMILAR CONST CONSTRUCTION FDC JOINT OPNG OPENING SLAB-ON-GRADE SOG CONT CONTINUOUS / CONTINUATION FDN FOUNDATION OPP OPPOSITE TRANSFORMER SUMP PUMP CONTR CONTRACTOR FDR FEEDER THOUSAND CIRCULAR MILS OX OXYGEN SPEC SPECIFICATIONS CORR CORRIDOR OZ OUNCE FIRE EXTINGUISHER KCJ KEYED CONSTRUCTION JOINT YARD

SQ

SQUARE

YARD HYDRANT

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE SET OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS". THE GENERAL CONTRACTOR SHALL ACCEPT THE PROJECT AS IT EXISTS. CONTRACTOR SHALL NOT SCALE DRAWINGS, ALL OF WHICH ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS, WHETHER OR NOT SPECIFICALLY NOTED ON THE DRAWINGS, PRIOR TO THE START OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS APPLICABLE ONLY TO THE DRAWINGS OF ONE DISCIPLINE, REFER TO THE DRAWINGS OF THAT DISCIPLINE -

SEE "INDEX OF DRAWINGS". THE SET OF DRAWINGS, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE "INDEX OF DRAWINGS". THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY AND REFERENCE THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE. DO NOT DISTRIBUTE OR UTILIZE PARTIAL SETS OF DRAWINGS.

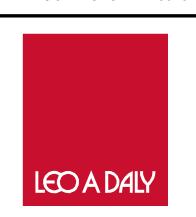
BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD **BLOOMINGTON MN 55431**



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050

Tel (612)332.7522

Minneapolis, MN 55415

Tel (763)424.5505

7200 Hemlock Lane, Suite 300

Maple Grove, MN 55369

KEY PLAN

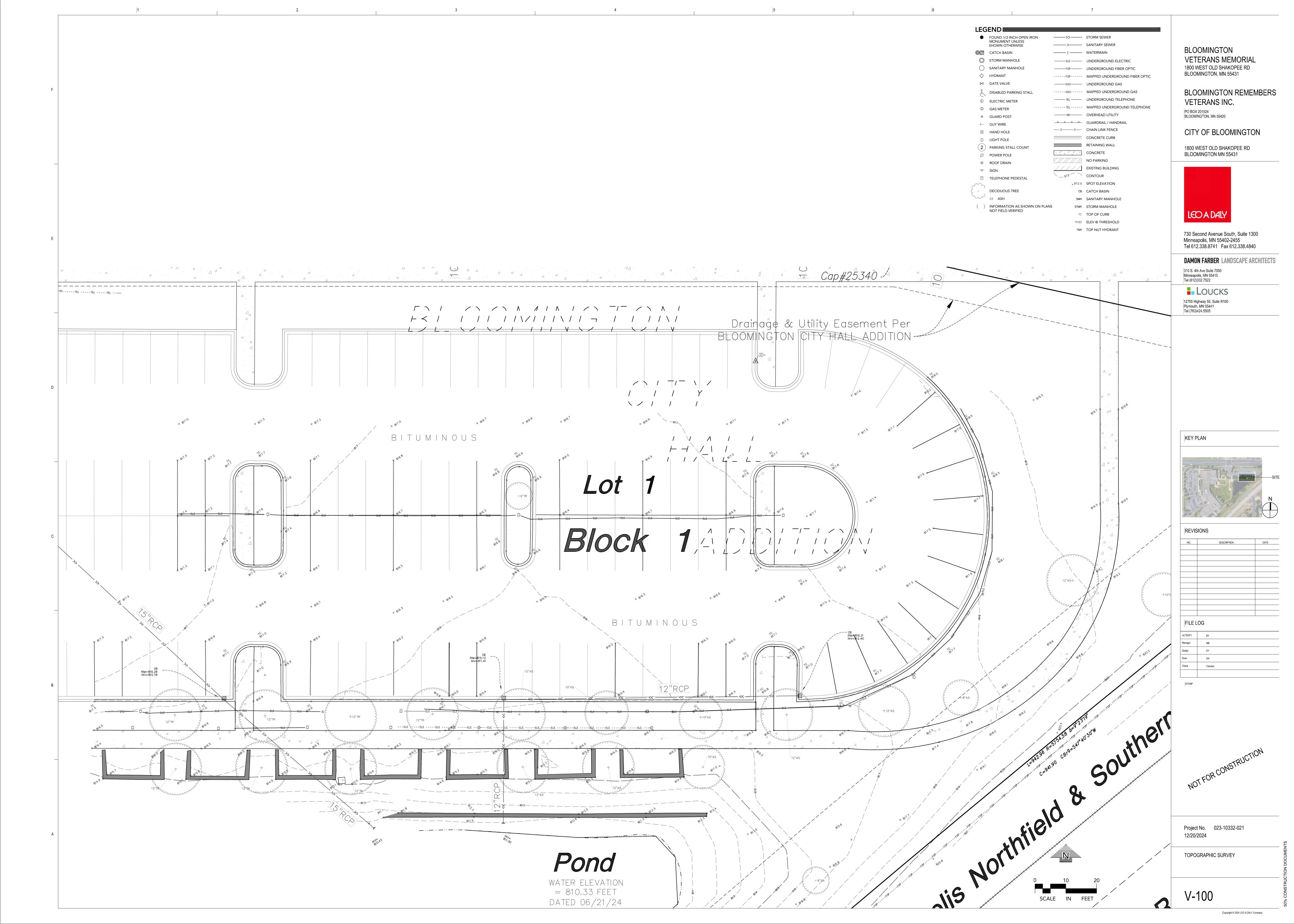
REVISIONS DESCRIPTION DATE FILE LOG

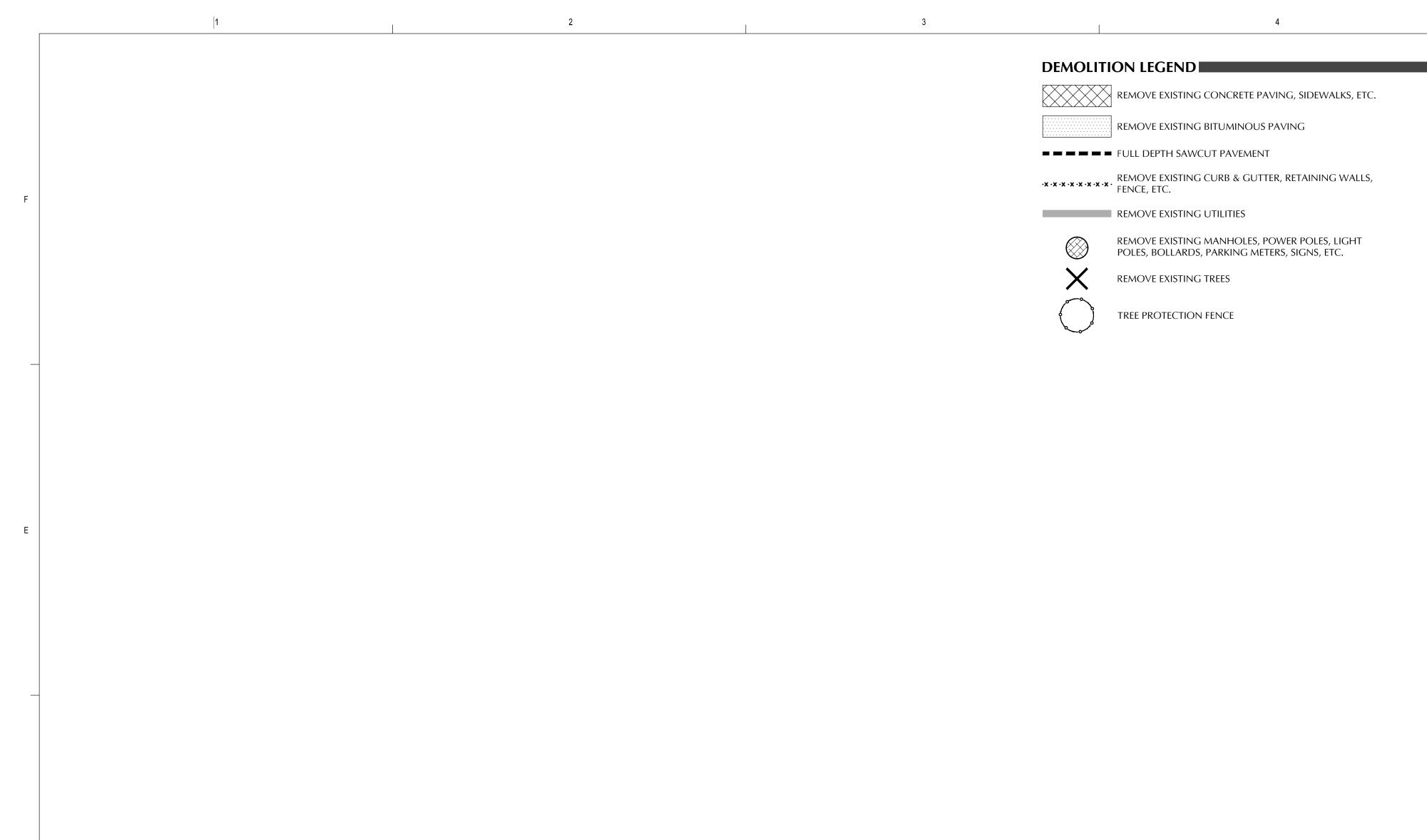
50% CONSTRUCTION **DOCUMENTS PROGRESS** PRINTING

Project No. 023-10332-021 12/20/2024

GENERAL NOTES, SYMBOLS AND **ABBREVIATIONS**

G1003





SITE DEMOLITION NOTES

- 1. CONTRACTOR SHALL ADJUST UTILITIES AS NECESSARY. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES & OWNER.
- 2. CLEAR AND GRUB AND REMOVE ALL TREES NOTED FOR REMOVAL, VEGETATION AND SITE DEBRIS WITHIN CONSTRUCTION LIMITS PRIOR TO GRADING. STRIP TOPSOIL AND STOCKPILE ON-SITE. ALL REMOVED MATERIAL SHALL BE HAULED FROM THE SITE DAILY. ALL CLEARING AND GRUBBING AND REMOVALS SHALL BE PERFORMED PER THE CONTRACT SPECIFICATIONS. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL. SEE THE GRADING & EROSION CONTROL PLAN.
- 3. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL. CONTRACTOR TO NOTIFY ENGINEER WITH ANY CONFLICTS OR PLAN DISCREPANCIES.
- 4. CONTRACTOR TO SCHEDULE PRE-CONSTRUCTION MEETING(S) WITH UTILITY OWNER(S) TO DISCUSS DISCONNECTIONS AND/OR RELOCATIONS.
- 5. CONCRETE PAVEMENT, SIDEWALK, CURB & GUTTER AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT. SAWCUT AS NECESSARY FOR A NEAT EDGE OF REMOVAL.
- CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION WITH NO ADDITIONAL COMPENSATION.
- 7. CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE APPLICABLE GOVERNING AGENCIES. ALL WORK SHALL BE PERFORMED PER THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCIES.
- 2024 FOR INFORMATION INCLUDING BUT NOT LIMITED TO GROUNDWATER CONDITIONS AND RECOMMENDATIONS FOR EXCAVATION BACKFILL COMPACTION.

- SHOWN OTHERWISE
- STORM MANHOLE SANITARY MANHOLE -🗘 HYDRANT
- DISABLED PARKING STALL ELECTRIC METER © GAS METER
- GUARD POST \leftarrow GUY WIRE H HAND HOLE

∅ POWER POLE

ROOF DRAIN

→ SIGN

(2) PARKING STALL COUNT

DECIDUOUS TREE

NOT FIELD VERIFIED

() INFORMATION AS SHOWN ON PLANS

- 6. ANY DAMAGE TO ITEMS NOT NOTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE
- 8. REFER TO THE GEOTECHNICAL REPORT PREPARED BY BRAUN INTERTEC, DATED MARCH 29,
- 9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ANY REPAIRS TO THE IRRIGATION SYSTEM THAT IS AFFECTED DURING CONSTRUCTION.

- FOUND 1/2 INCH OPEN IRON MONUMENT UNLESS ---->> STORM SEWER
 - ----> SANITARY SEWER ——— I ——— WATERMAIN ———ELE — UNDERGROUND ELECTRIC
 - -----FOP------ UNDERGROUND FIBER OPTIC -----F0P----- MAPPED UNDERGROUND FIBER OPTIC ———GAS——— UNDERGROUND GAS
 - -----GAS----- MAPPED UNDERGROUND GAS ------ TEL ------ UNDERGROUND TELEPHONE ----- TEL ----- MAPPED UNDERGROUND TELEPHONE ------OH------- OVERHEAD UTILITY O GUARDRAIL / HANDRAIL

× 972.5 SPOT ELEVATION

CB CATCH BASIN

STMH STORM MANHOLE

TC TOP OF CURB THSD ELEV @ THRESHOLD TNH TOP NUT HYDRANT

SMH SANITARY MANHOLE

- 0—— 0— CHAIN LINK FENCE CONCRETE CURB RETAINING WALL
- CONCRETE **BLOOMINGTON MN 55431** NO PARKING ______ EXISTING BUILDING _972 CONTOUR



BLOOMINGTON

VETERANS INC.

BLOOMINGTON, MN 55420

PO BOX 201524

VETERANS MEMORIAL

1800 WEST OLD SHAKOPEE RD

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD

BLOOMINGTON REMEMBERS

BLOOMINGTON, MN 55431

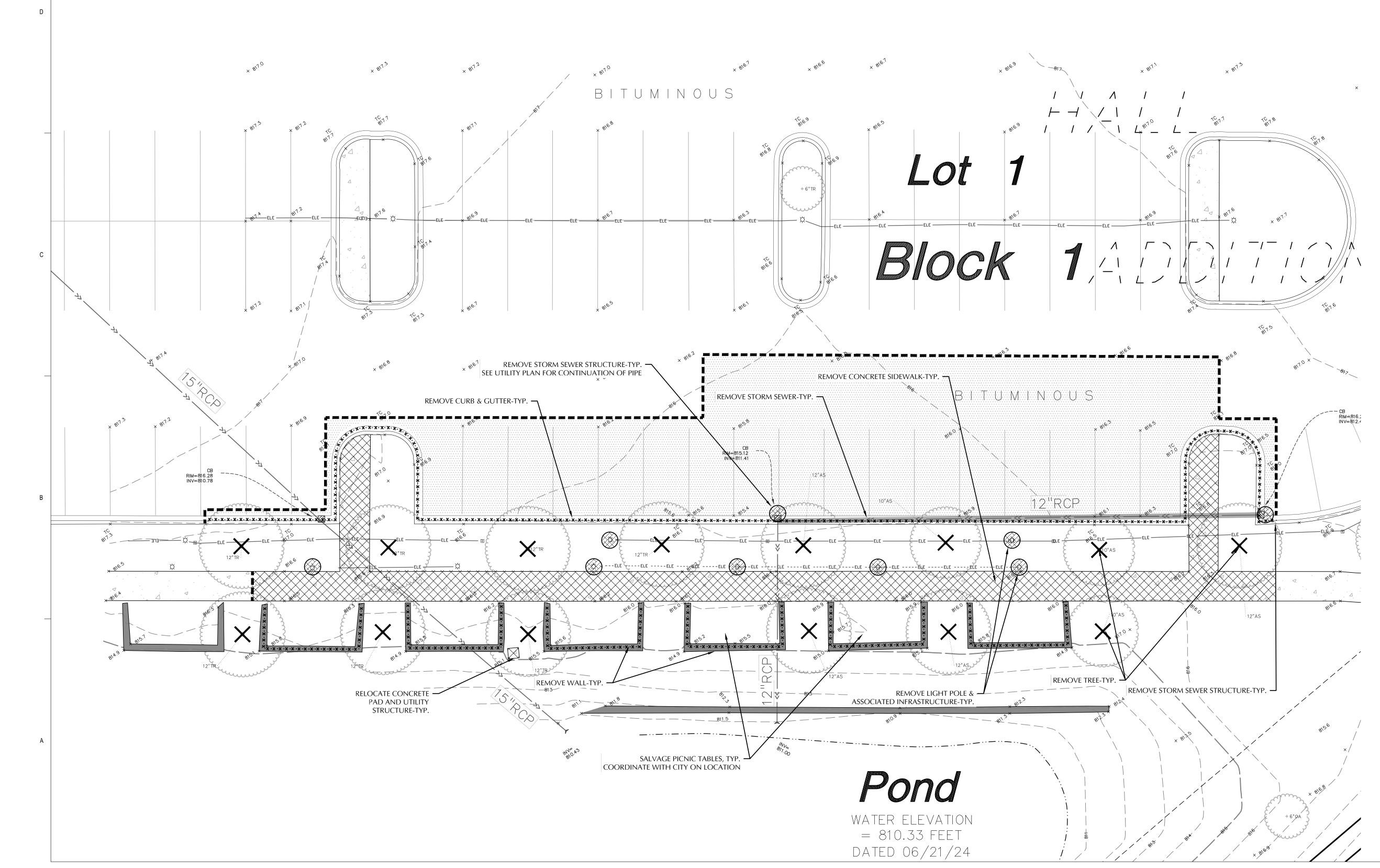
730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

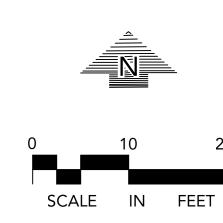
DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050

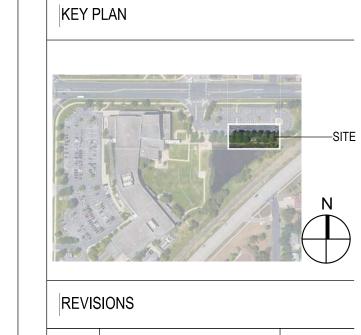
Tel (612)332.7522 Loucks 12755 Highway 55, Suite R100

Minneapolis, MN 55415

Plymouth, MN 55441 Tel (763)424.5505







	DESCRIPTION	DATE
FILE LO		
)G 	
ACTIVITY	J G	
ACTIVITY		
ACTIVITY Manager	ВУ	
ACTIVITY Manager Design	BY MB	
ACTIVITY Manager Design Draw	BY MB DY	
-	BY MB DY DH	



Project No. 023-10332-021 12/20/2024

EXISTING CONDITIONS & DEMOLITION PLAN

CE101

SITE NOTES

- 1. ALL PAVING, CONCRETE CURB, GUTTER, AND SIDEWALK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN PER THE DETAIL SHEET(S) AND APPLICABLE GOVERNING AGENCY REQUIREMENTS.
- 2. BITUMINOUS IMPREGNATED FIBER BOARD TO BE PLACED AT FULL DEPTH OF CONCRETE ADJACENT TO EXISTING STRUCTURES AND BEHIND CURB ADJACENT TO DRIVEWAYS AND SIDEWALKS.
- 3. SEE SITE ELECTRICAL PLAN FOR SITE LIGHTING.

STORM SEWER NOTES

- 1. ALL STORM SEWER SHALL BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF THE SPECIFICATIONS, THE MINNESOTA PLUMBING CODE, THE LOCAL GOVERNING UNIT, AND THE STANDARD UTILITIES SPECIFICATION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), CURRENT EDITION.
- 2. ALL UTILITY PIPE BEDDING SHALL BE COMPACTED SAND OR FINE GRANULAR MATERIAL. ALL COMPACTION SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CEAM SPECIFICATION AND THE GEOTECHNICAL REPORT.
- 3. ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CITY DEPARTMENT OF ENGINEERING AND BUILDING INSPECTIONS DEPARTMENT AND THE CONSTRUCTION ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT OF WAY, OR WORK IMPACTING PUBLIC UTILITIES.
- 4. ALL SITE UTILITY SERVICES SHALL TERMINATE 5' FROM THE EXTERIOR BUILDING WALL UNLESS OTHERWISE NOTED. THE SITE UTILITY CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR AND MECHANICAL ENGINEER TO DETERMINE THE RESPONSIBILITY OF BRINGING THE SERVICE(S) INTO THE BUILDING, INSPECTIONS AND TESTING PER APPLICABLE GOVERNING AGENCIES.
- 6. PER MINNESOTA DEPARTMENT OF LABOR & INDUSTRY REQUIREMENTS, A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FROM WATERMAIN TO ANY MANHOLE, SEPTIC SYSTEM, CATCH BASIN, SEWER PIPE, OR OTHER SOURCE OF CONTAMINATION, MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE UNLESS OTHERWISE SHOWN.
- 7. ALL STORM SEWER DOWNSPOUT COLLECTION PIPES AND WYES SHALL BE PVC (SCHEDULE 40).
- 8. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF STORM STRUCTURE(S) AND UNDERGROUND SYSTEM(S) FOR ENGINEER'S REVIEW.
- 9. CONTRACTOR TO VERIFY UNDERLYING SOILS BENEATH ALL STORMWATER FACILITIES, AND PROVIDE DOCUMENTATION TO THE ENGINEER, PRIOR TO CONSTRUCTION OF THE FACILITIES.
- 10. ALL PORTIONS OF THE STORM SEWER SYSTEM, INCLUDING CATCH BASINS, LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED ACCORDANCE WITH MINNESOTA RULES, PART 4714.
- 11. REFER TO GEOTECHNICAL EVALUATION REPORT (REPORT B2401190), DATED MARCH 29, 2024 AS PREPARED BY BRAUN INTERTEC, FOR AN EXISTING SUBSURFACE SITE CONDITION ANALYSIS AND CONSTRUCTION RECOMMENDATIONS INCLUDING BUT NOT LIMITED TO:
- A. REUSE OF ON-SITE SOILS B. GROUNDWATER AND RECOMMENDATIONS FOR EXCAVATION DEWATERING.
- C. SITE GRADING AND SUBGRADE PREPARATION. D. PAVEMENTS AND EXTERIOR SLABS.
- TRENCH EXCAVATION AND BACKFILL.
- EXTERIOR UTILITY SUPPORTS. G. FROST PROTECTION.
- 12. CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF CONSTRUCTED STORMWATER MANAGEMENT SYSTEMS & ASSOCIATED INFRASTRUCTURE (RECOMMENDED PRIOR TO BACKFILLING) PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.
- 13. ALL UNUSED UTILITY SERVICES SHALL BE ABANDONED PER THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCIES.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY PERMITS FROM THE APPLICABLE GOVERNING AGENCIES.

BLOOMINGTON **VETERANS MEMORIAL** 1800 WEST OLD SHAKOPEE RD

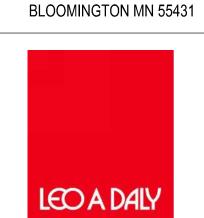
BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415

12755 Highway 55, Suite R100

Tel (612)332.7522

Plymouth, MN 55441

Tel (763)424.5505

KEY PLAN

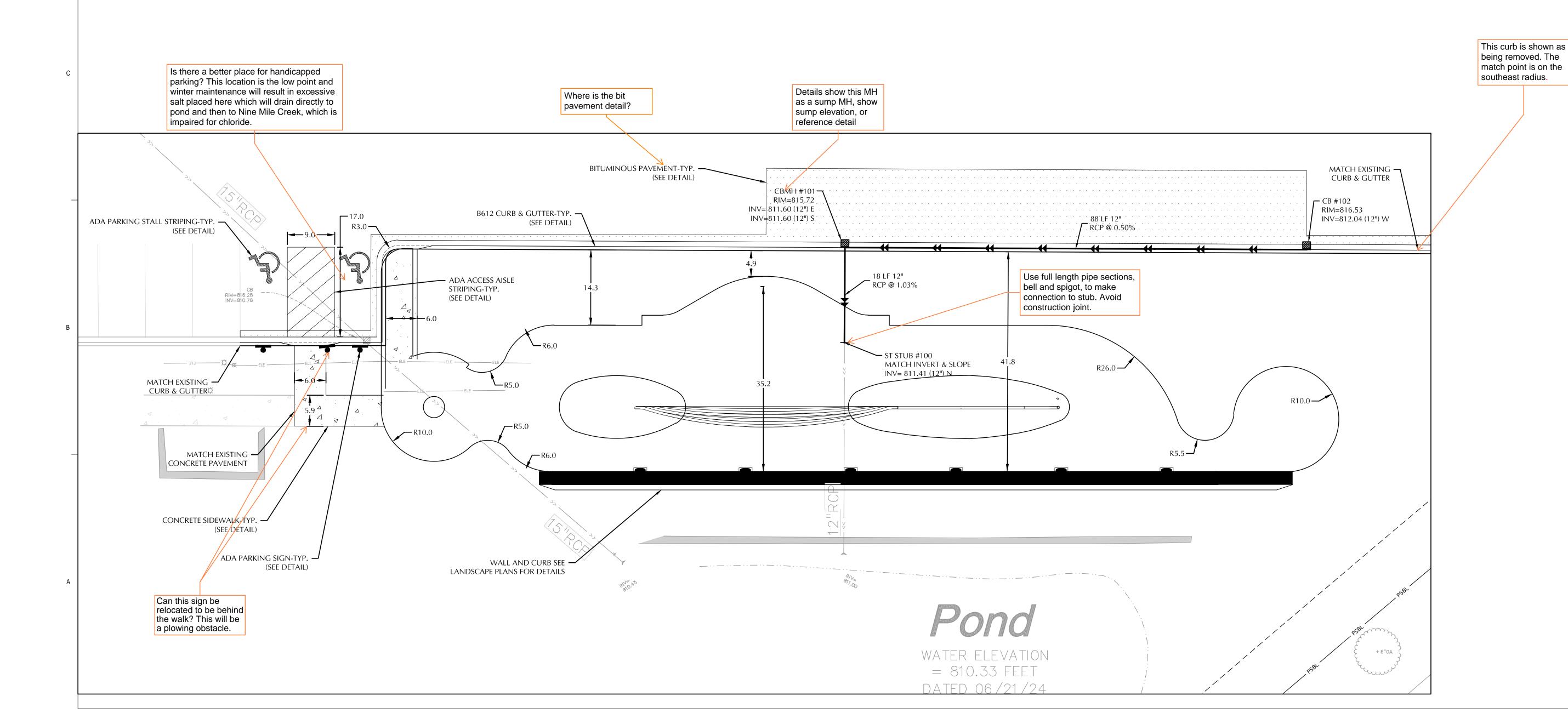
REVISIONS DESCRIPTION FILE LOG

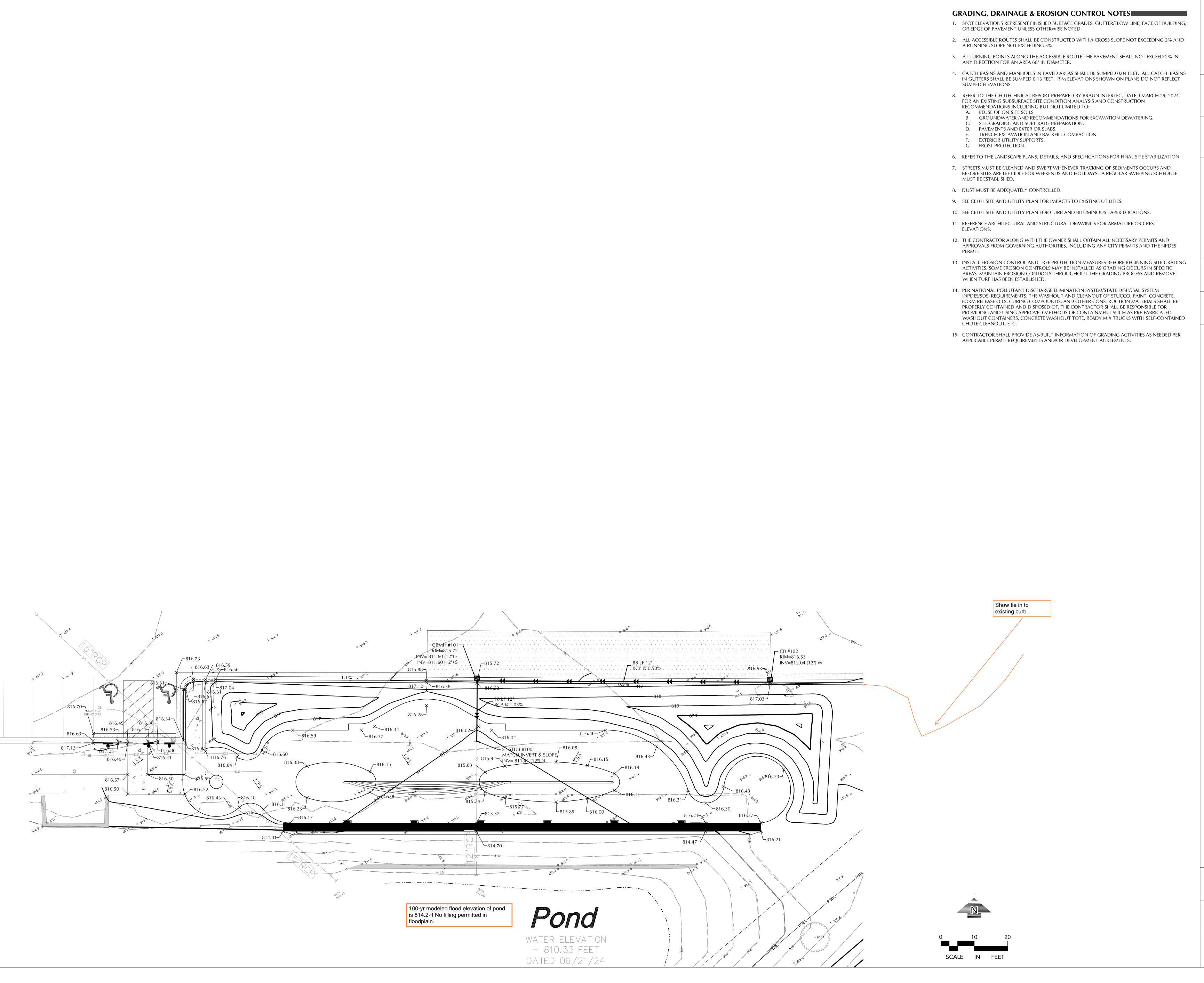


Project No. 023-10332-021

CIVIL SITE & UTILITY PLAN

CS201





BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD

BLOOMINGTON MN 55431

LEO A DALY

730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

12755 Highway 55, Suite R100 Plymouth, MN 55441

Tel (763)424.5505

KEY PLAN



REVISIONS

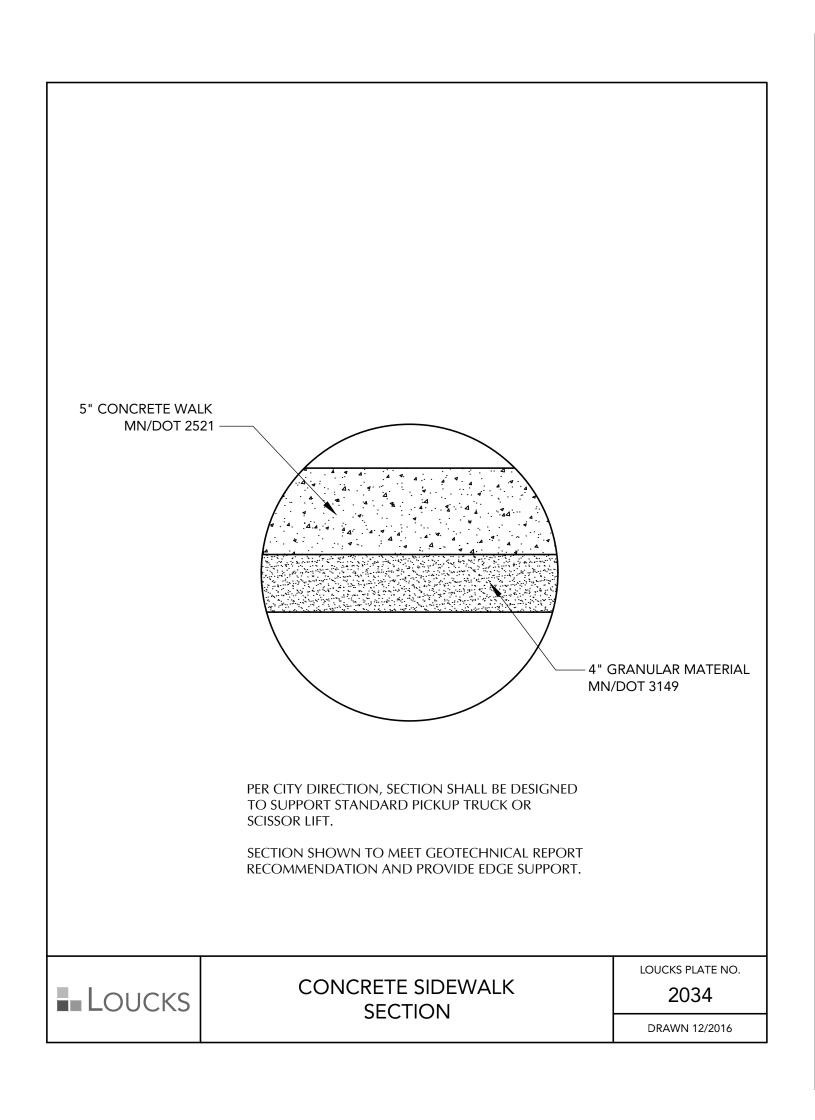
FILE LOG

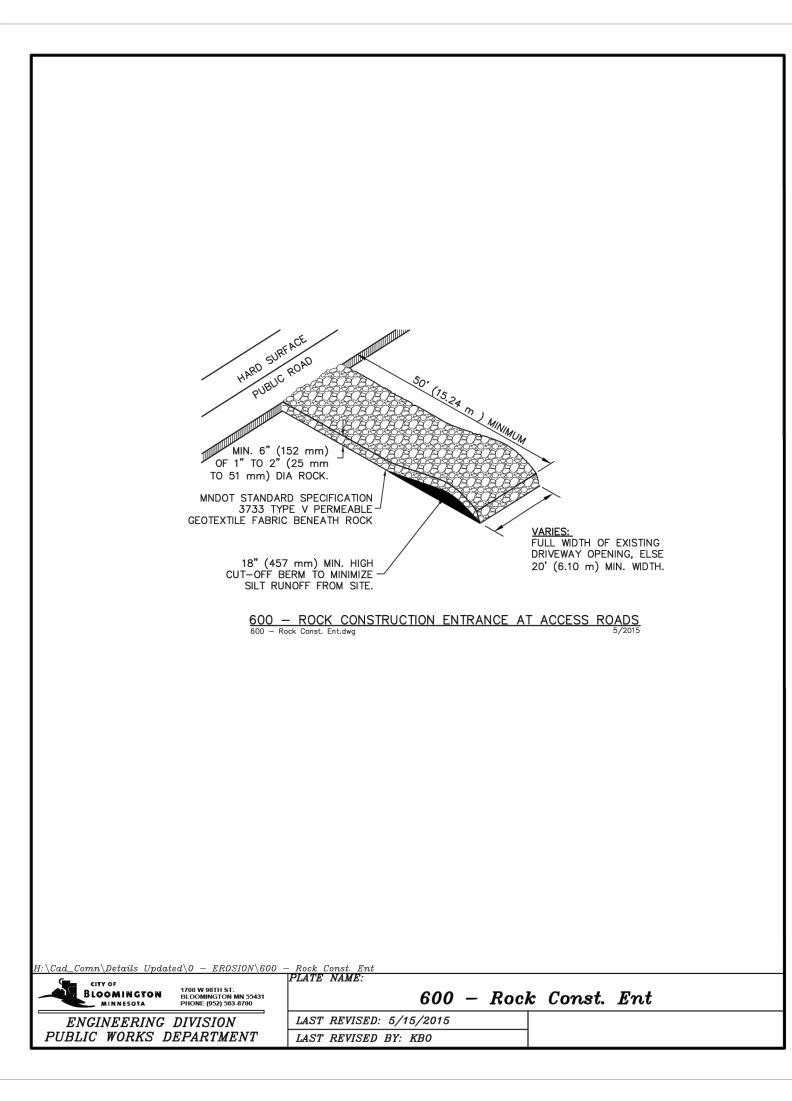


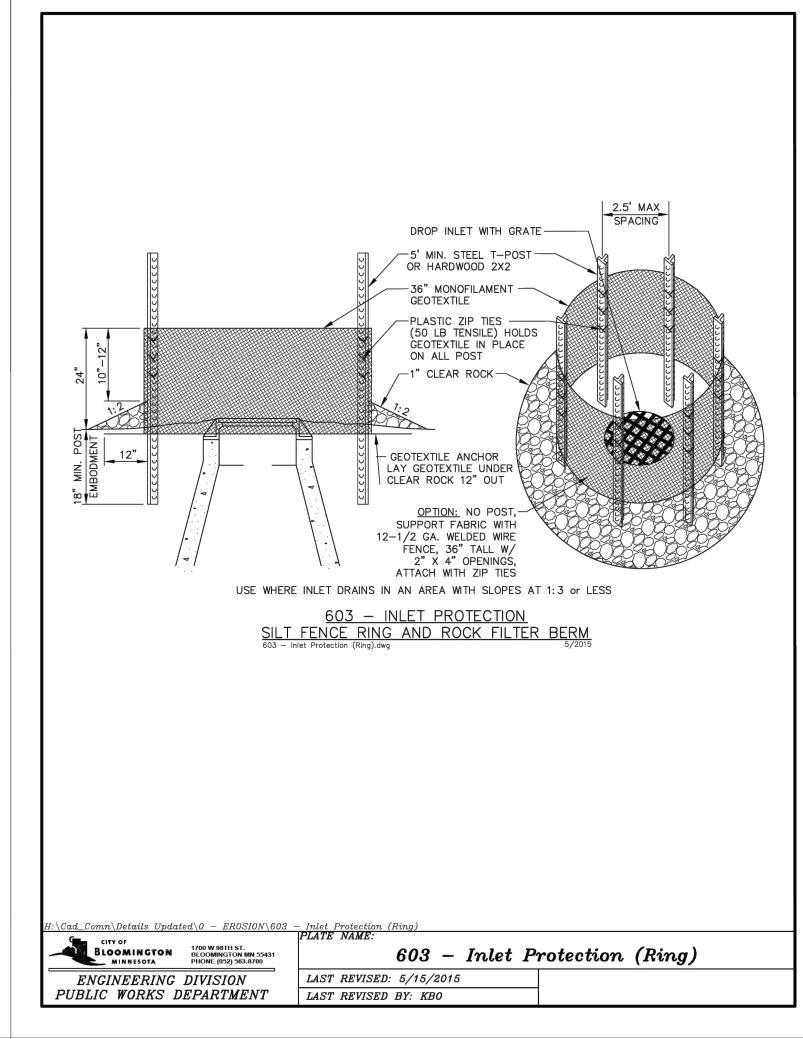
Project No. 023-10332-021 12/20/2024

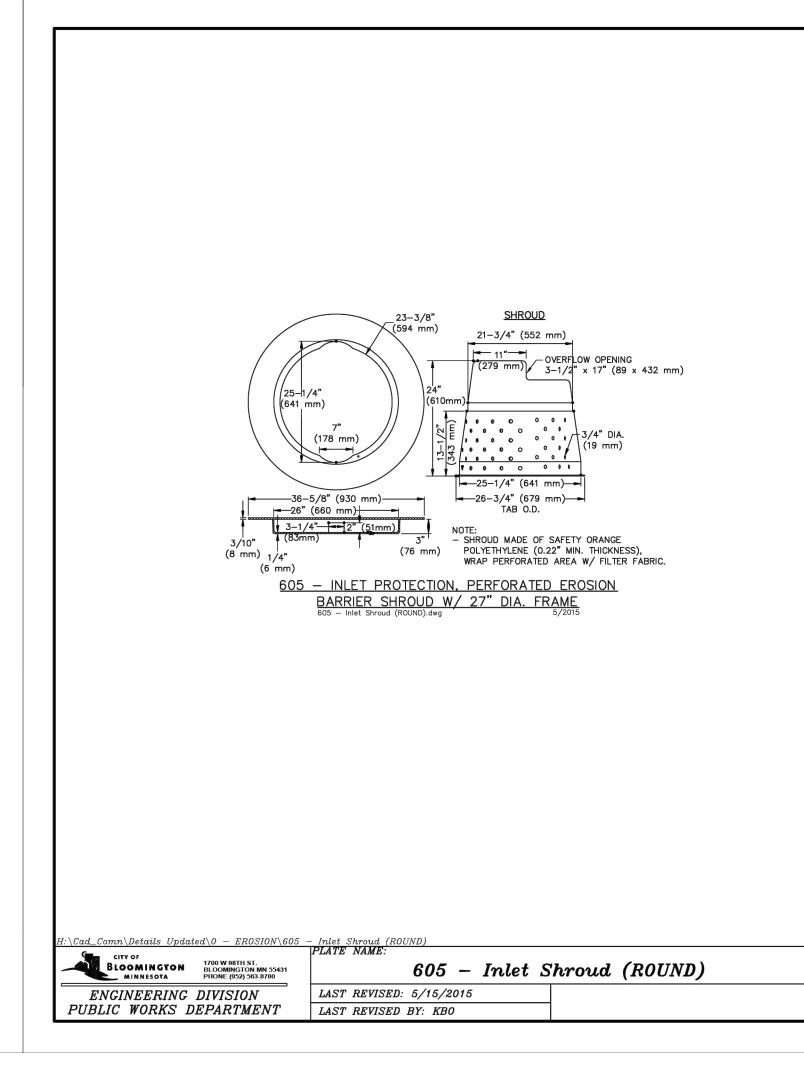
CIVIL GRADING PLAN

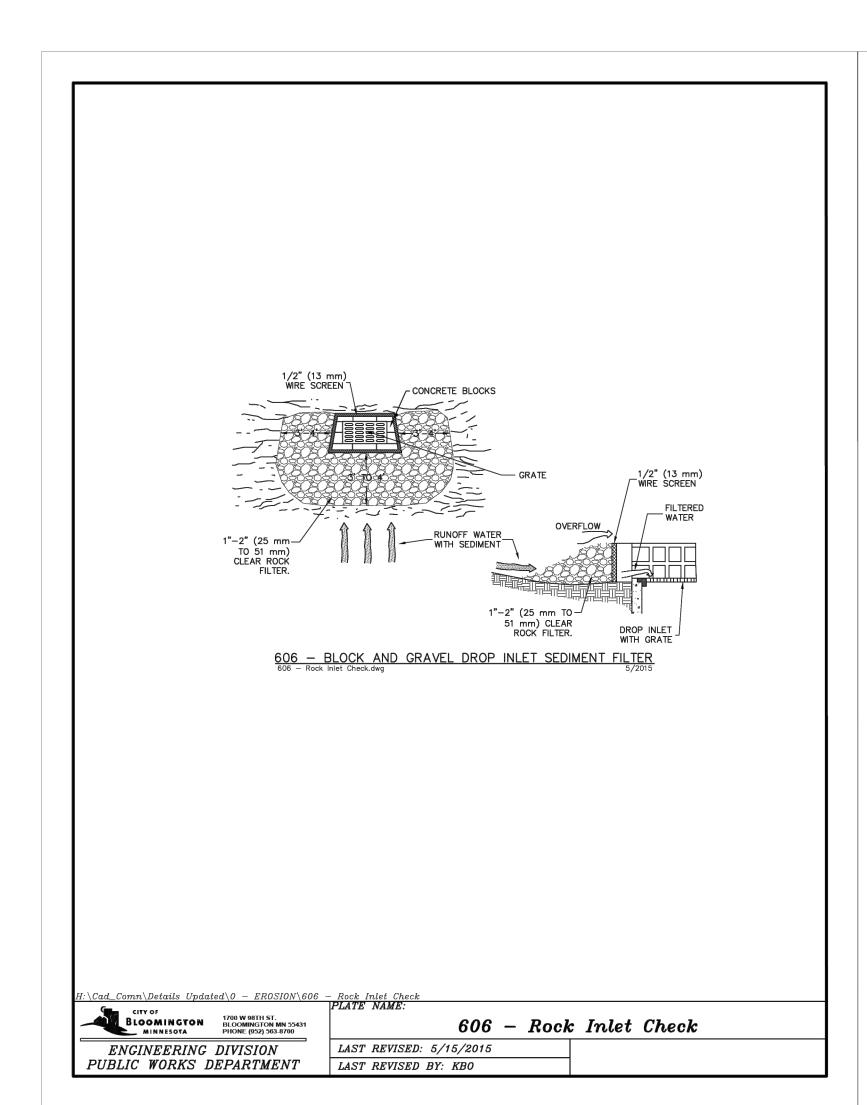
CG301

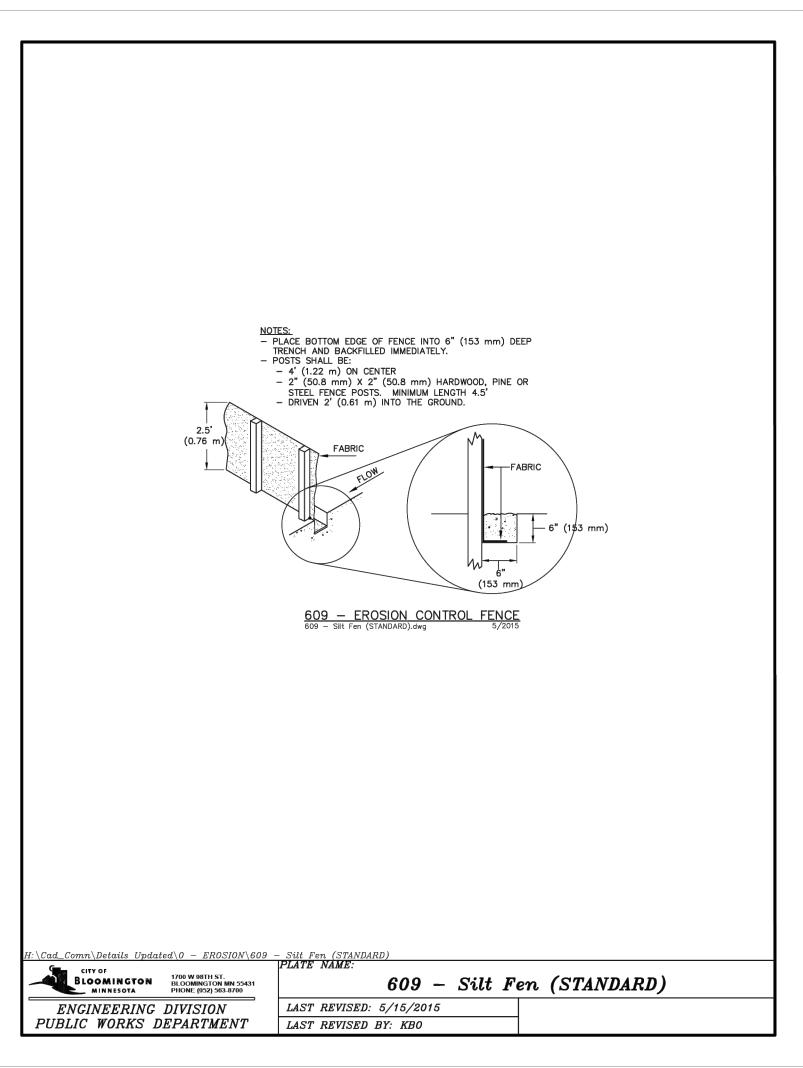


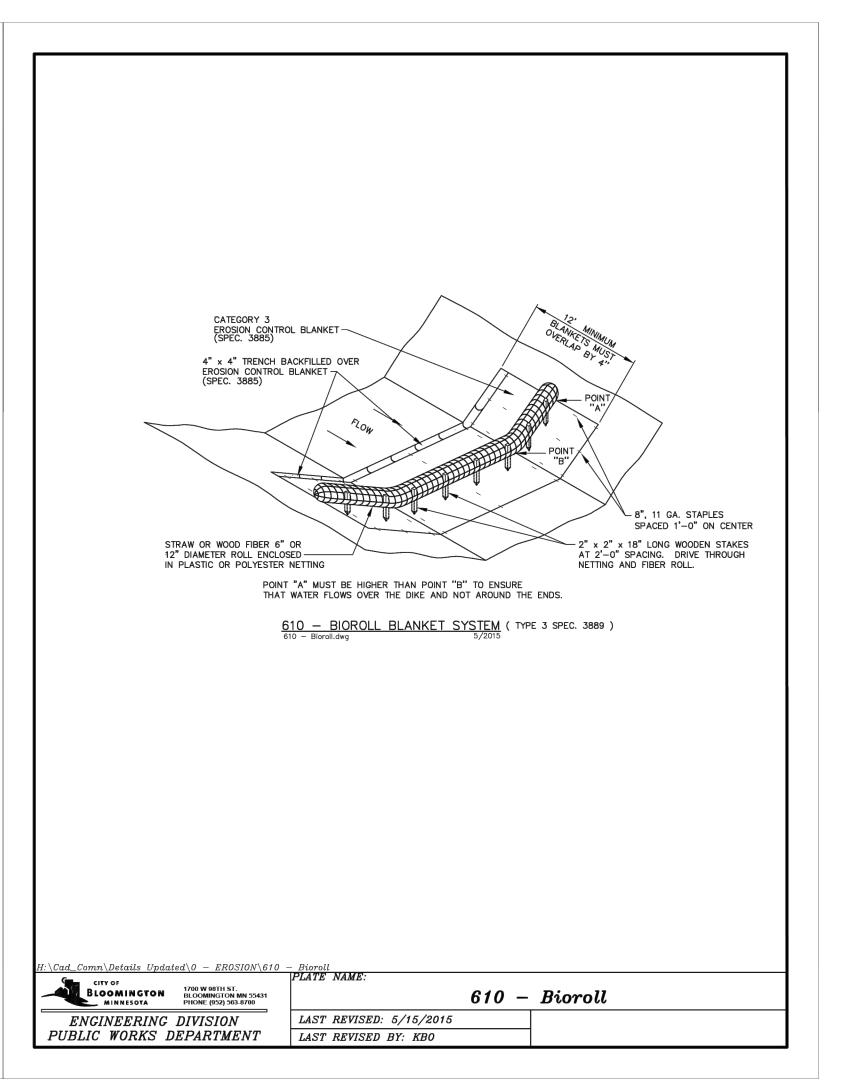












BLOOMINGTON
VETERANS MEMORIAL
1800 WEST OLD SHAKOPEE RD
BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

LOUCKS
12755 Highway 55, Suite R100
Plymouth, MN 55441

Tel (763)424.5505

KEY PLAN

FILE LOG

ACTIVITY BY

REVISIONS

DESCRIPTION

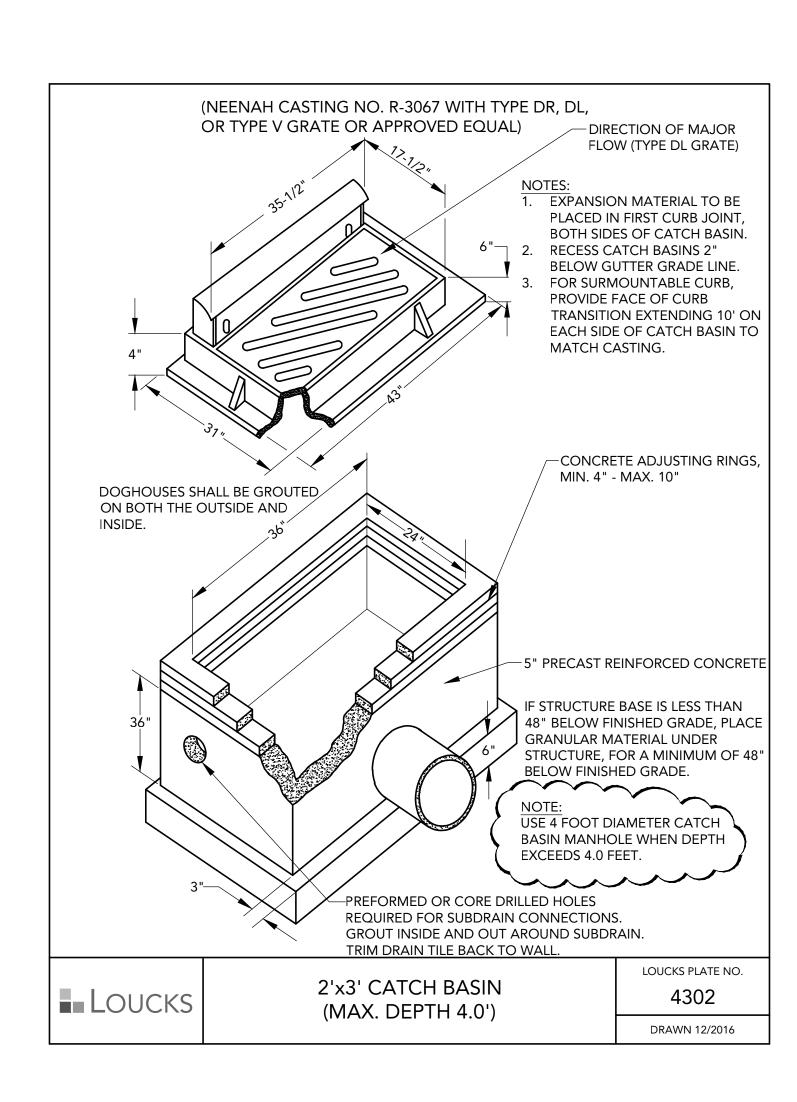
DATE

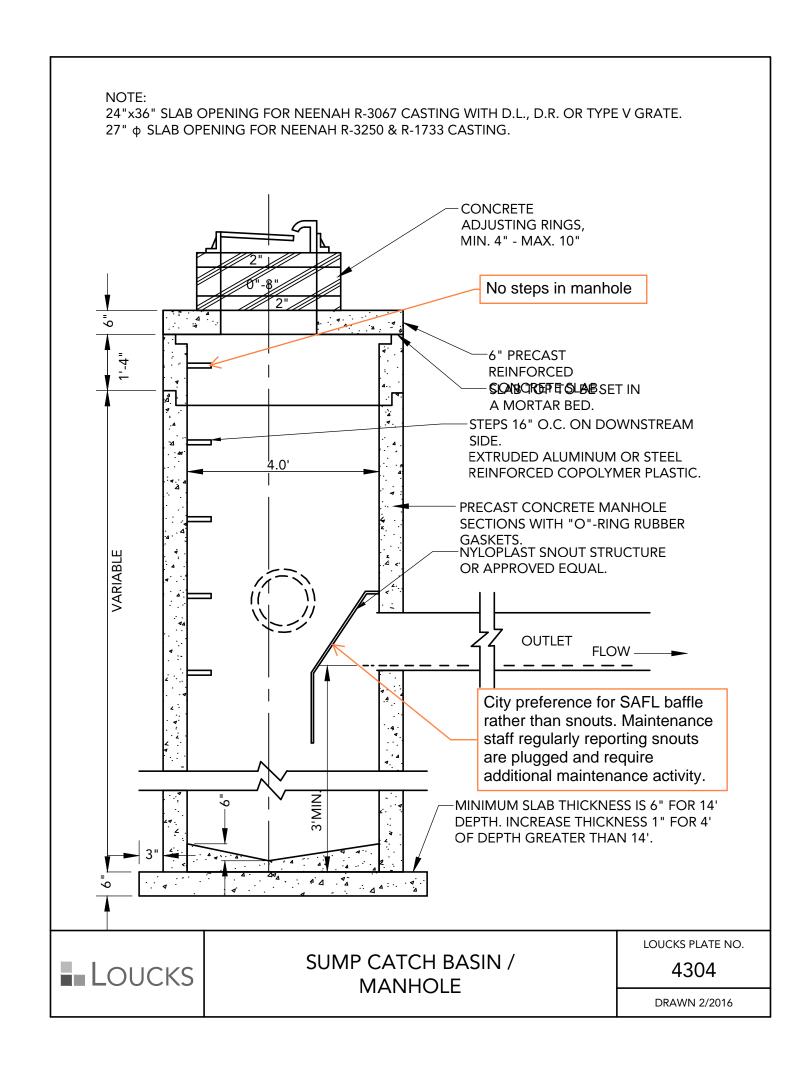


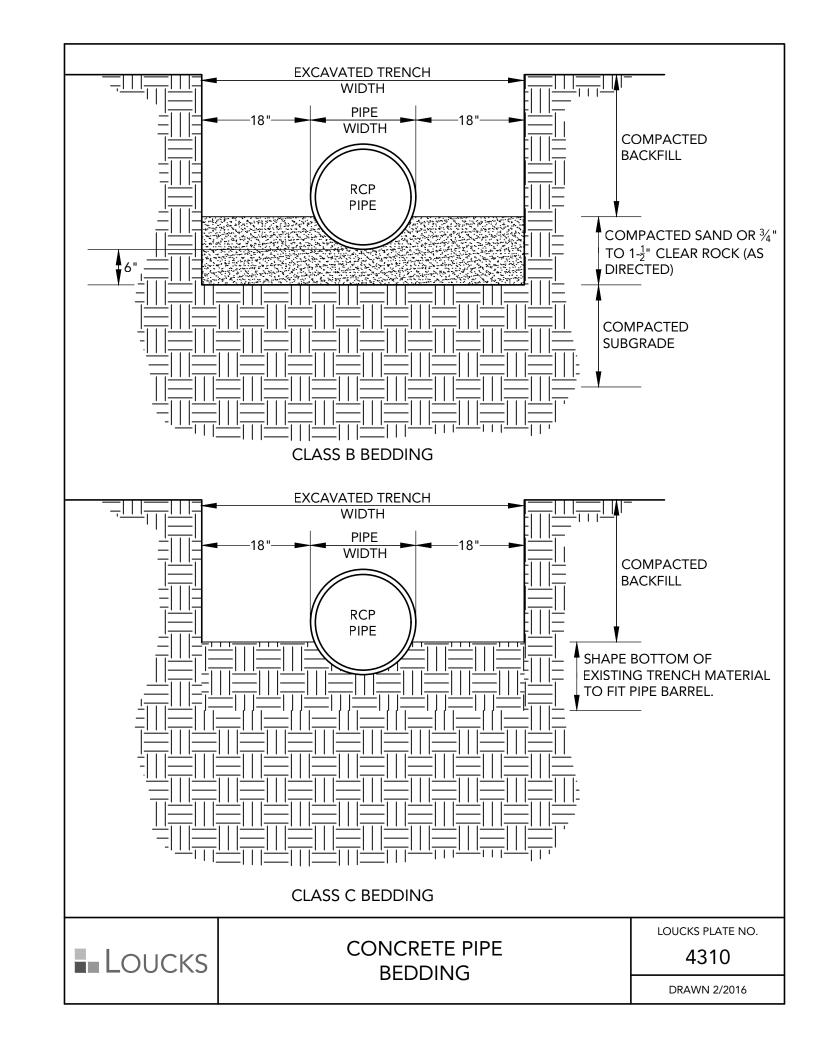
Project No. 023-10332-021 12/20/2024

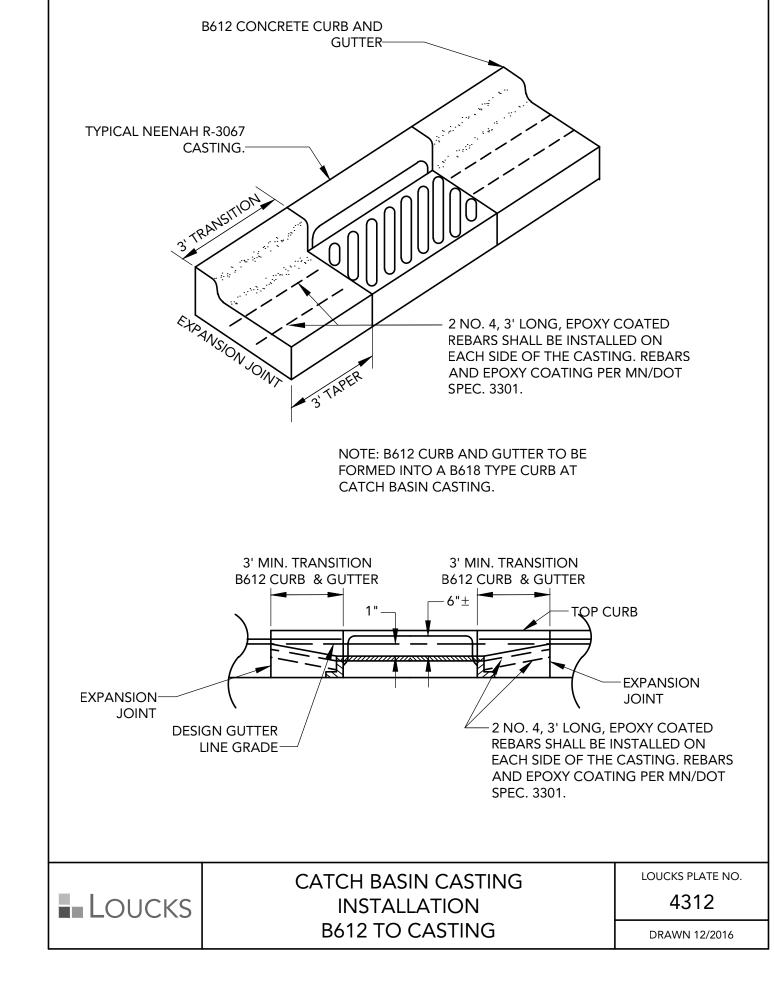
CIVIL CONSTRUCTION DETAILS

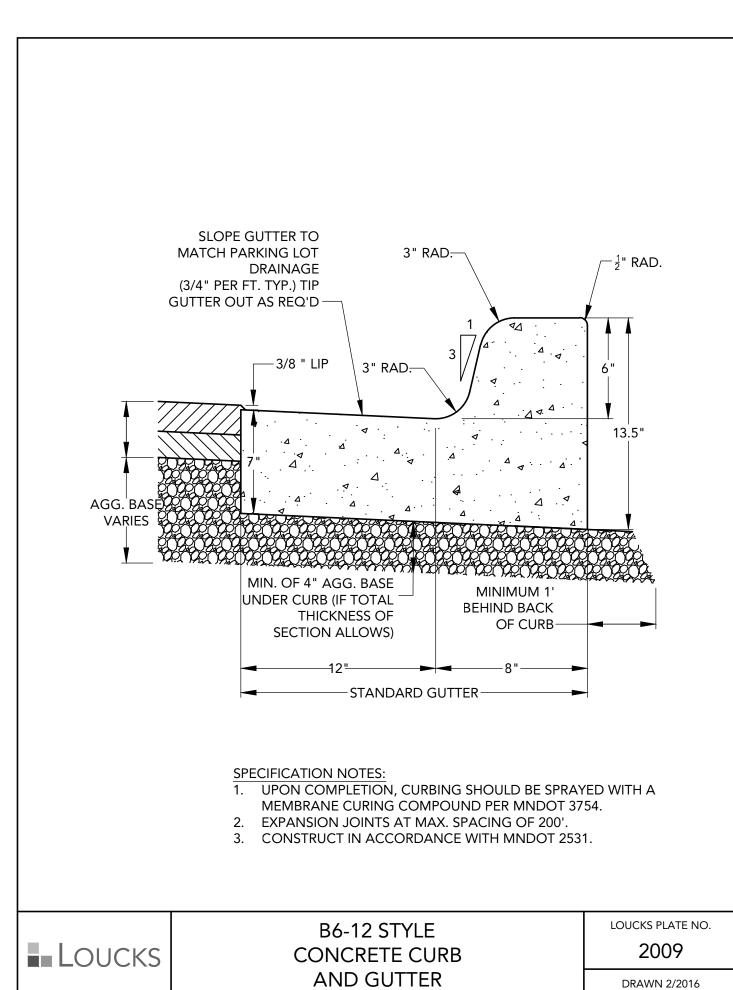
CC801

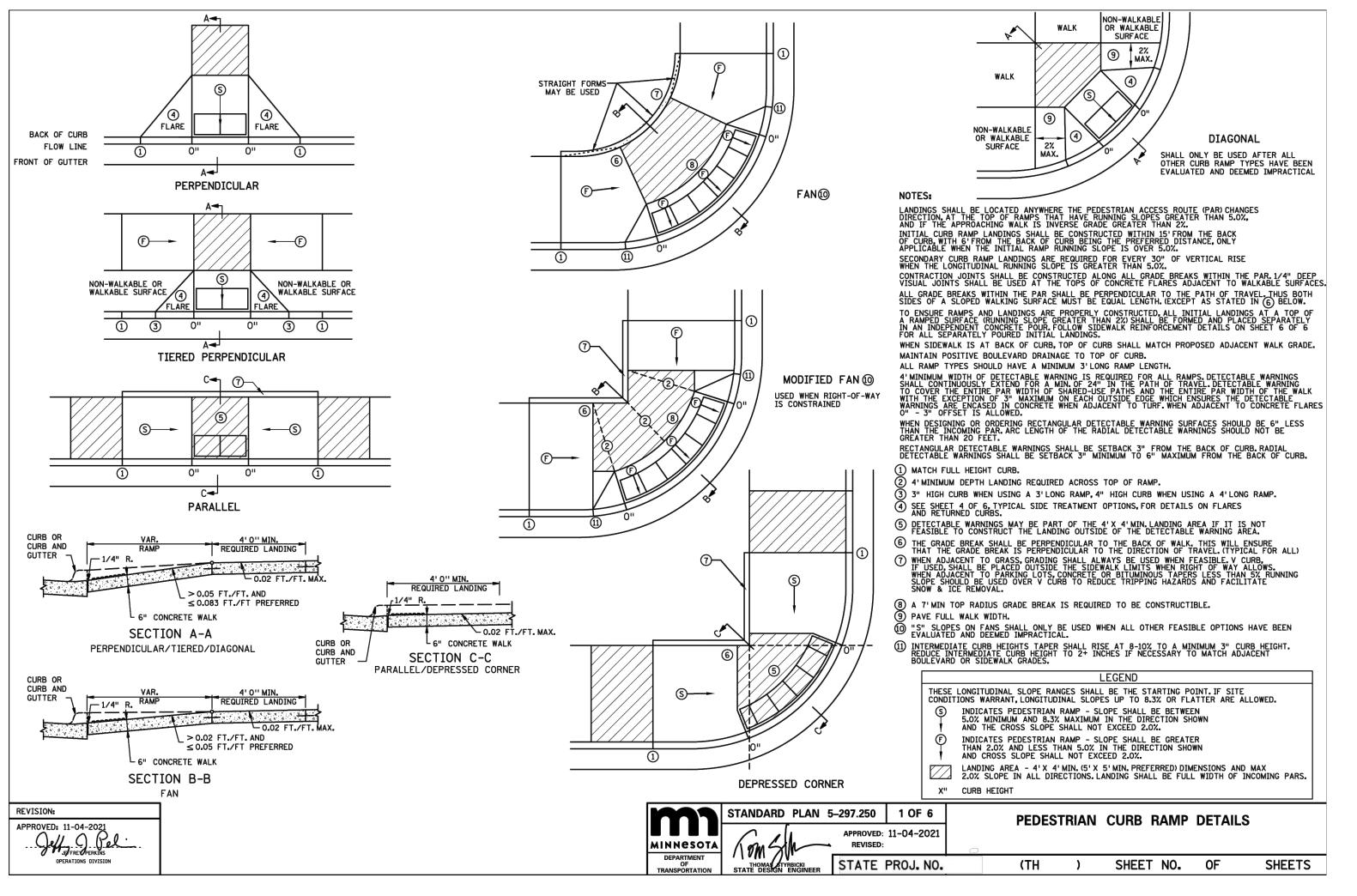


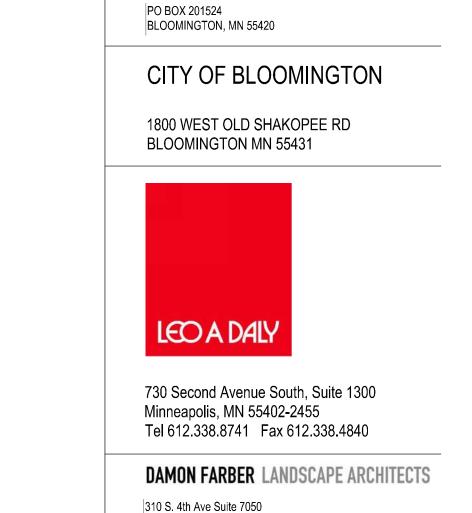












Minneapolis, MN 55415

Loucks

12755 Highway 55, Suite R100

Tel (612)332.7522

Plymouth, MN 55441

Tel (763)424.5505

BLOOMINGTON

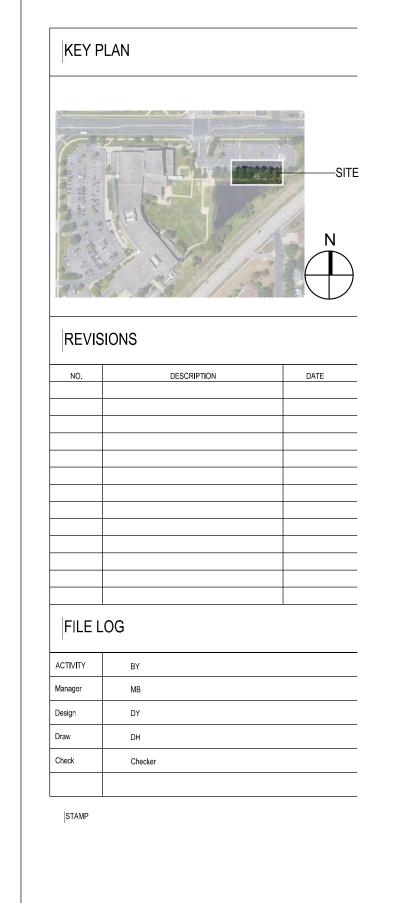
VETERANS MEMORIAL

BLOOMINGTON REMEMBERS

1800 WEST OLD SHAKOPEE RD

BLOOMINGTON, MN 55431

VETERANS INC.





Project No. 023-10332-021 12/20/2024

CIVIL CONSTRUCTION DETAILS

CC802

EXISTING CONDITIONS & SITE REMOVAL NOTES

SITE SPECIFIC NOTES

1. [LIST GENERAL INFORMATION REGARDING PRE-CONSTRUCTION REQUIREMENTS...PERMITTING, TREE REMOVAL, SPECIAL COORDINATION, ETC.]

SITE REMOVAL NOTES

- 1. EXISTING SITE INFORMATION WAS PROVIDED BY OTHERS. ACTUAL FIELD CONDITIONS MAY VARY. FIELD VERIFY UTILITY LOCATIONS AND **ELEVATIONS PRIOR TO CONSTRUCTION.**
- 2. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE.
- CONTRACTOR TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION BY CALLING GOPHER STATE ONE-CALL AT 651-454-0002 (METRO) OR 1-800-252-1166 (OUT-STATE).
- 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 UTILITY COMPANY'S FORCES AND FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING FEES AND CHARGES.
- ALWAYS VERIFY BENCHMARK ELEVATIONS BETWEEN TWO BENCHMARKS.
- REMOVAL ITEMS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER PER LOCAL GOVERNING AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- PRIOR TO DEMOLITION, EROSION CONTROL DEVICES ARE TO BE INSTALLED WHERE NECESSARY AND OBTAIN AN NPDES STORM WATER PERMIT. REFER TO CIVIL FOR EROSION CONTROL.
- DAMAGE TO REMAINING EXISTING CONDITIONS WILL BE REPLACED AT CONTRACTOR'S EXPENSE AND SHALL BE EQUAL TO OR EXCEED THE QUALITY OF CONSTRUCTION PRIOR TO DAMAGE.
- CONCRETE PAVEMENT, SIDEWALKS, CURB AND GUTTER, AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT.
- 10. CONTRACTOR SHALL LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS. IF DAMAGE IS INCURRED ON THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR AT NO ADDITIONAL COST TO THE OWNER. BITUMINOUS PAVEMENT REMOVALS ARE TO
- BE MADE WITH A VERTICAL SAW CUT OR TO A NEAT MILLED EDGE. 11. CONTRACTOR SHALL PRESERVE VEGETATION NOT TO BE REMOVED BY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-SEEDING OR SODDING AREAS DISTURBED BY CONSTRUCTION.
- 12. LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT DISCREPANCIES BETWEEN THEIR MEASUREMENTS AND THESE PLANS. CONTRACTOR SHALL ALSO MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- 13. EXISTING UTILITIES TO REMAIN IN PLACE UNLESS SPECIFICALLY MARKED ON THIS SHEET.

SITE AND LANDSCAPE NOTES

SITE PREPARATION NOTES

- CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
- 2. CONTRACTOR SHALL VERIFY PLAN LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.
- CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND MATERIALS SUPPLIED.
- CONTRACTOR SHALL PROTECT EXISTING ROADS, CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING CONSTRUCTION OPERATIONS. DAMAGE TO SAME SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER
- CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION BEGINS (MINIMUM 10' CLEARANCE).
- 6. CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.
- 7. UNDERGROUND UTILITIES SHALL BE INSTALLED SO THAT TRENCHES DO NOT CUT THROUGH ROOT SYSTEMS OF EXISTING TREES TO REMAIN.
- 8. EXISTING CONTOURS, TRAILS, VEGETATION, CURB/GUTTER AND OTHER ELEMENTS ARE BASED UPON INFORMATION SUPPLIED TO THE LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.
- HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED WALKS. TRAILS OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. CHANGES IN ALIGNMENT AND GRADES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
- 10. CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- 11. CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY INSTALLED MATERIALS UNTIL TIME OF SUBSTANTIAL COMPLETION. REPAIR OF ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO SUBSTANTIAL COMPLETION SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- 12. EXISTING TREES OR SIGNIFICANT SHRUB MASSINGS FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- 13. EXISTING TREES TO REMAIN, UPON DIRECTION OF LANDSCAPE ARCHITECT, SHALL BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD, DAMAGED AND RUBBING BRANCHES.
- 14. CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE SUBSTANTIAL COMPLETION INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.
- 15. CONTRACTOR SHALL PREPARE AND SUBMIT REPRODUCIBLE AS-BUILT DRAWING(S) OF LANDSCAPE INSTALLATION, IRRIGATION AND SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO SUBSTANTIAL COMPLETION.
- 16. SYMBOLS ON PLAN DRAWING TAKE PRECEDENCE OVER SCHEDULES IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.

SOIL TESTING

- CONTRACTOR SHALL OBTAIN A SOIL SAMPLE(S) FROM PROJECT SITE AND/OR SALVAGED TOPSOIL STOCKPILE AND SUBMIT TO INDEPENDENT TESTING AGENCY. ANALYSIS AND RECOMMENDATIONS FOR (INCLUDING BUT NOT LIMITED TO) MACRONUTRIENTS, MICRONUTRIENTS, COMPOSITION AND SOLUBLE SALTS SHALL BE PROVIDED.
- 2. CONTRACTOR SHALL PROVIDE TWO SERIES OF TESTS: FIRST, PRIOR TO CONSTRUCTION; SECOND, AFTER SOIL IS AMENDED, PRIOR TO PLANTING.
- CONTRACTOR SHALL PROVIDE ANALYSIS RESULTS AND RECOMMENDATIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SOIL AMENDMENT AND PRIOR TO PLANTING.

GRADING

- ROUGH GRADING AND FINISHED GRADING TO BE DONE BY OTHERS EXCEPT WHERE NOTED.
- 2. GRADING LIMITS ARE DEFINED AS THE JUNCTURE OF PROPOSED GRADE WITH EXISTING GRADE UNLESS NOTED OTHERWISE.
- 3. GRADING LIMITS AND LIMITS OF WORK SHOWN ON PLAN ARE ONLY APPROXIMATE AND MAY BE ADJUSTED IN FIELD BY LANDSCAPE ARCHITECT. WORK OUTSIDE OF THESE LIMITS WILL BE DONE AT LANDSCAPE CONTRACTORS EXPENSE UNLESS DIRECTED BY LANDSCAPE ARCHITECT OR OWNER IN WRITING.

- 4. FILL/CUT AS NECESSARY TO PROVIDE A 1% MINIMUM GRADE AWAY FROM BUILDINGS WITHIN LIMITS OF CONSTRUCTION.
- 5. SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE OR AS INDICATED ON PLANS AND STOCKPILE FOR REUSE.
- 6. MAINTAIN A UNIFORM GRADE BETWEEN CONTOURS IN AREAS TO BE GRADED UNLESS NOTED OTHERWISE.
- 7. ELEVATIONS, IF SHOWN ARE FINISHED ELEVATIONS. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS
- ADD EROSION CONTROL MEASURES IF GRADES GREATER THAN 3:1 OR IF CONDITIONS WARRANT. REFER TO MNDOT SPECIFICATIONS FOR EROSION CONTROL.
- 9. CONTRACTOR SHALL CONTACT PUBLIC UTILITIES FOR LOCATION OF UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER
- 10. CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL MEASURES AS REQUIRED TO ENSURE THAT EROSION IS KEPT TO AN ABSOLUTE MINIMUM.
- 11. PROVIDE TEMPORARY COVERING FOR CATCH BASINS AND MAN HOLES UNTIL FINISHED GRADING IS COMPLETE.
- 12. CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS AS NEEDED 13. PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES

SHALL BE INSTALLED PRIOR TO CONSTRUCTION. REFER TO STATE

14. CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES PER LOCAL POLLUTION CONTROL AGENCY AND SPECIFICATIONS.

SPECIFICATIONS FOR AGGREGATE BASE AND SILT FENCE

- 15. WITHIN TWO WEEKS OF FINISHED SITE GRADING, DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, MULCH OR ROCK BASE.
- 16. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES, INCLUDING THE REMOVAL OF ACCUMULATED SILT IN FRONT OF SILT FENCES AND EXCESS SEDIMENT IN PROPOSED CATCH BASINS, FOR THE DURATION OF CONSTRUCTION.
- 17. CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED AND DISPOSE OF OFF SITE.
- 18. CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN PLANTING AREAS.

PLANTING

- 1. SPRING PLANT MATERIAL INSTALLATION IS FROM APRIL 15 TO JUNE
- 2. FALL CONIFEROUS PLANTING IS ACCEPTABLE FROM AUGUST 21 TO SEPTEMBER 30.
- 3. FALL DECIDUOUS PLANTING IS ACCEPTABLE FROM AUGUST 15 UNTIL NOVEMBER 15.
- 4. ADJUSTMENTS TO PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT
- 5. STAKE PROPOSED PLANTING LOCATIONS PER PLAN FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL
- 6. PLANT MATERIAL SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. UNLESS NOTED OTHERWISE, DECIDUOUS SHRUBS SHALL HAVE AT LEAST 5 CANES AT THE SPECIFIED HEIGHT. ORNAMENTAL TREES SHALL HAVE NO 'V' CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' FEET ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 6'
- 7. INSTALL PLANT MATERIAL AFTER FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- 8. INSTALL PLANT MATERIALS PER PLANTING DETAILS.

ABOVE PAVED SURFACE.

- 9. SUBSTITUTION REQUESTS FOR PLANT MATERIAL TYPE & SIZE SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION PRIOR TO BIDDING. SUBSTITUTIONS AFTER BIDDING MUST BE APPROVED BY LANDSCAPE ARCHITECT AND ARE SUBJECT TO CONTRACT ADJUSTMENTS.
- 10. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.
- 11. FERTILIZE PLANT MATERIALS IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS. [FERTILIZE PLANT MATERIAL UPON INSTALLATION WITH DRIED BONE MEAL AND OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL (PER THE MANUFACTURER'S INSTRUCTIONS) OR TREAT FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 10-0-5 OF 12 OZ. PER 2.5" CALIPER TREE AND 6 OZ. PER SHRUB WITH AN ADDITIONAL APPLICATION OF 10-0-10 THE FOLLOWING SPRING IN THE TREE SAUCER.]
- 12. INSTALL 18" DEPTH OF PLANTING SOIL IN AREAS RECEIVING GROUND COVER. PERENNIALS, AND ANNUALS. PLANTING SOIL SHALL CONSIST OF MnDOT 3877-B MODIFIED TO CONTAIN A MAXIMUM OF 30% SAND, A PH OF 7.1 MAX, OR AS OTHERWISE SPECIFIED IN THE PROJECT SPECIFICATIONS MANUAL
- 13. [TREE WRAPPING MATERIAL SHALL BE PAPER APPLIED FROM TRUNK FLARE TO FIRST BRANCH. WRAP SMOOTH-BARKED DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO DECEMBER 1 AND REMOVE

WRAPPING AFTER MAY 1.] [DO NOT WRAP TREES.]

14. APPLY PRE-EMERGENT HERBICIDE (PREEN OR APPROVED EQUAL) IN ANNUAL, PERENNIAL, AND SHRUB BEDS FOLLOWED BY SHREDDED HARDWOOD MULCH. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING USE OF HERBICIDES.

MULCHING

- 1. INSTALL [4" DEEP FINELY SHREDDED HARDWOOD MULCH] RINGS AT CONIFEROUS & DECIDUOUS TREES WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK.
- 2. INSTALL [3" DEEP FINELY SHREDDED HARDWOOD MULCH] RINGS AT SHRUB PLANTING AREAS WITH NO MULCH IN DIRECT CONTACT WITH SHRUB STEMS.
- 3. INSTALL [3" DEEP FINELY SHREDDED MULCH] IN PERENNIAL PLANTING BEDS. REMOVE ALL MULCH FROM STEMS OF PERENNIALS; PLANT STEMS SHOULD NOT BE IN DIRECT CONTACT WITH MULCH.

WARRANTY

- PLANTED MATERIALS SHALL BE WATERED BY TEMPORARY MEANS UNTIL PLANTS ARE ESTABLISHED.
- 2. TEMPORARY WATERING MEANS, METHODS, AND SCHEDULING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REMOVE TEMPORARY WATERING EQUIPMENT UPON PLANT ESTABLISHMENT.

WARRANTY NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR

FROM THE DATE OF SUBSTANTIAL COMPLETION. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

TURF NOTES

- SOD AREAS DISTURBED DUE TO GRADING UNLESS NOTED OTHERWISE.
- WHERE SOD ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.
- SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, SOD SHALL BE STAKED SECURELY [WITH WOODEN STAKES; NO METAL STAKES ARE ALLOWED].
- 4. UNLESS NOTED OTHERWISE, THE APPROPRIATE DATES FOR SPRING SEED & SOD PLACEMENT IS FROM THE TIME GROUND HAS THAWED TO JUNE 15.
- 5. FALL SODDING IS ACCEPTABLE FROM AUGUST 15 TO NOVEMBER 1. FALL SEEDING IS ACCEPTABLE FROM AUGUST 15 TO SEPTEMBER 15. ADJUSTMENTS TO SOD/SEED PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- 6. NO SOD NETTING ALLOWED ON SITE.

IRRIGATION NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATION THAT MEETS THE REQUIREMENTS OF THE PROVIDED PERFORMANCE SPECIFICATION AS PART OF THE SCOPE OF WORK. SUBMIT LAYOUT PLAN AND SPECIFICATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO ORDER AND/OR CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SODDED/SEEDED AND PLANTED AREAS ARE IRRIGATED PROPERLY. INCLUDING THOSE AREAS DIRECTLY AROUND AND ABUTTING BUILDING FOUNDATION.
- CONTRACTOR SHALL FIELD VERIFY WATER SUPPLY, VOLUME, PRESSURE AND LOCATION FOR SYSTEM TAP PRIOR TO SYSTEM DESIGN.
- [CONTRACTOR SHALL FIELD VERIFY AND INSPECT EXISTING IRRIGATION SYSTEM LAYOUT, EQUIPMENT, CONDITION AND OPERABILITY PRIOR TO SYSTEM DESIGN.]
- CONTRACTOR SHALL CONFIRM COMPLETE LIMITS OF IRRIGATION WITH LANDSCAPE ARCHITECT PRIOR TO SUPPLYING SHOP DRAWINGS.
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF AREAS RECEIVING DRIP IRRIGATION PRIOR TO INSTALLATION OF MULCH.
- CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH AS-BUILT DRAWINGS, DETAILED SYSTEM OPERATION INSTRUCTIONS AND AN IRRIGATION SCHEDULE APPROPRIATE TO THE PROJECT SITE CONDITIONS AND PLANTED MATERIAL GROWTH REQUIREMENTS.

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD

BLOOMINGTON, MN 55431 **BLOOMINGTON REMEMBERS**

PO BOX 201524 BLOOMINGTON, MN 55420

VETERANS INC.

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

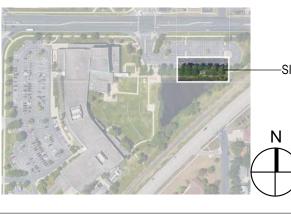
Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN



REVISIONS

NO.	DESCRIPTION	DATE
FILE L	.OG	
ACTIVITY	ВУ	
Manager	JM / AM	

JM / AM / TR

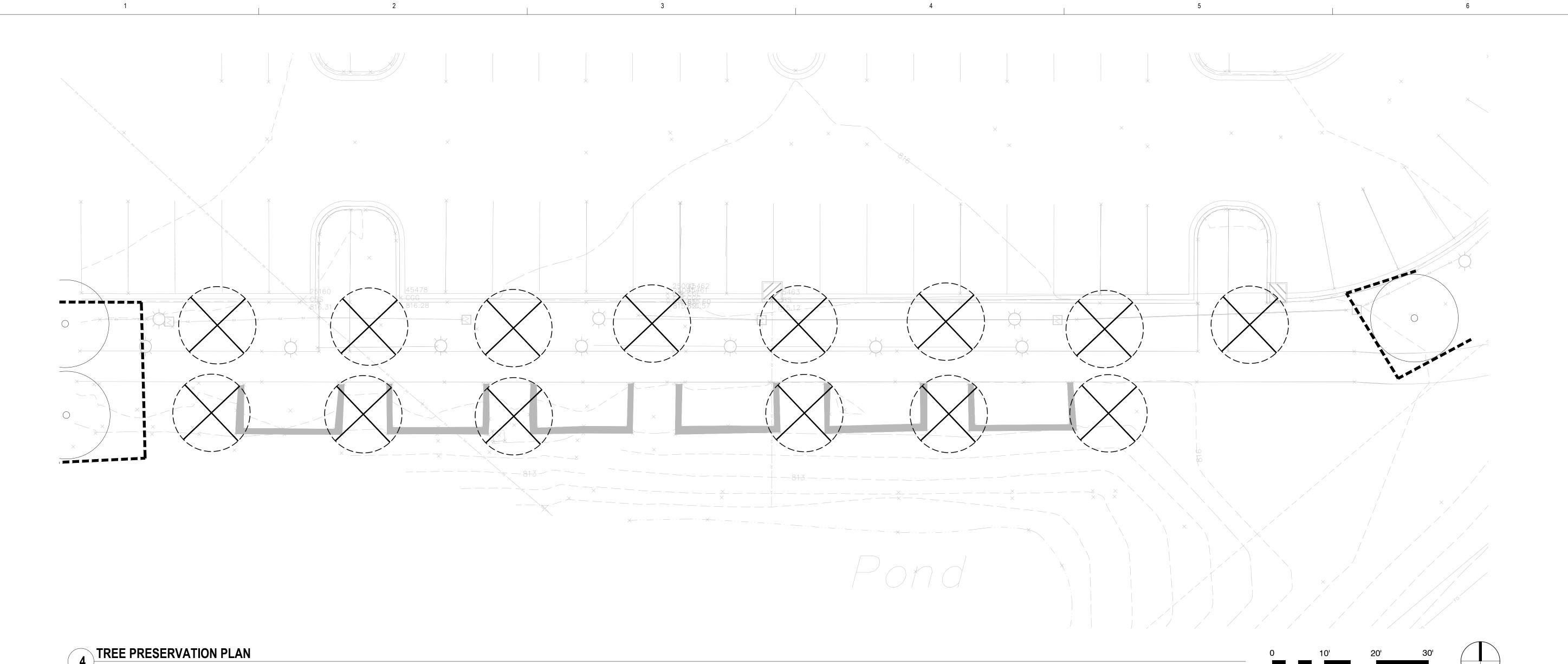
TR / AG

50% CONSTRUCTION **DOCUMENTS**

Project No. 023-10332-021

LANDSCAPE NOTES

L000



LEGEND

EXISTING TREE TO REMOVED,

EXISTING TREE TO REMAIN

---- TREE PROTECTION ZONE

VETERANS INC. PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

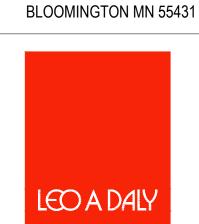
BLOOMINGTON REMEMBERS

VETERANS MEMORIAL

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415

Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369

Tel (763)424.5505

KEY PLAN

REVISIONS

TREE PRESERVATION NOTES

SITE SPECIFIC NOTES

1. [list any general information regarding pre-construction requirements...permitting, tree removal, coordination, etc.]

TREE PROTECTION

1. CONTRACTOR SHALL PRESERVE TREES SHOWN IN THE DRAWINGS TO BE PROTECTED AND PRESERVED. INSTALL TREE PROTECTION MEASURES PER DETAILS.

4. TREE PROTECTION MEASURES ARE TO BE INSTALLED PRIOR TO DEMOLITION AND SHALL BE MAINTAINED FOR

THE DURATION OF THE CONSTRUCTION PERIOD.

5. NO WORK SHALL OCCUR IN TREE PROTECTION ZONES EXCEPT WHERE DIRECTED ON PLANS.

6. CONTRACTOR SHALL TAKE EXTRA PRECAUTIONS TO MINIMIZE DAMAGE TO TREES WHERE WORK IS DESIGNATED TO OCCUR WITHIN AND ADJACENT TO THE DRIPLINE OF TREES. REFER TO TREE PROTECTION DETAILS FOR TREE PROTECTION FENCE, TRUNK PROTECTION, AND PRUNING PRACTICES.

6.1. EXCAVATION WORK WITHIN DRIPLINE OF TREES SHALL BE LIMITED TO HAND REMOVAL, DIRECTIONAL BORING, AND AIR KNIFE ONLY TO MINIMIZE DAMAGE TO ROOT SYSTEMS. SEE SPECIFICATIONS FOR DIRECTIONAL BORING DEPTHS WITHIN DRIPLINE OF TREES.

6.2. WHERE WORK IS TO OCCUR WITHIN DRIPLINE OF TREES OR TREE PROTECTION ZONES, PROVIDE ROOT PRUNING AS CLEANLY CUT ROOTS PRIOR TO EXCAVATION OR TRENCHING ACTIVITIES. ROOT PRUNING TO BE PERFORMED BY ISA CERTIFIED ARBORIST FAMILIAR WITH ROOT PRUNING PRACTICES.

6.3. PROTECT TRUNK AND BRANCHES FROM DAMAGE WHERE WORK IS DESIGNATED TO OCCUR WITHIN THE DRIPLINE OF TREES. PROVIDE TRUNK PROTECTION PER DETAILS.

7. CONTRACTOR SHALL NOT PLACE TEMPORARY STRUCTURES OR STORE MATERIALS IN TREE PROTECTION ZONES OR WITHIN THE DRIPLINE OF TREES.

ROOT PROTECTION

1. IN AREAS WHERE WORK OCCURS WITHIN DRIPLINE OF TREES AND IDENTIFIED AS ROOT PROTECTION ZONES, CONTRACTOR SHALL USE EXTRA PRECAUTION TO MINIMIZE DISTURBANCE TO ROOTS DURING CONSTRUCTION ACTIVITIES INCLUDING:

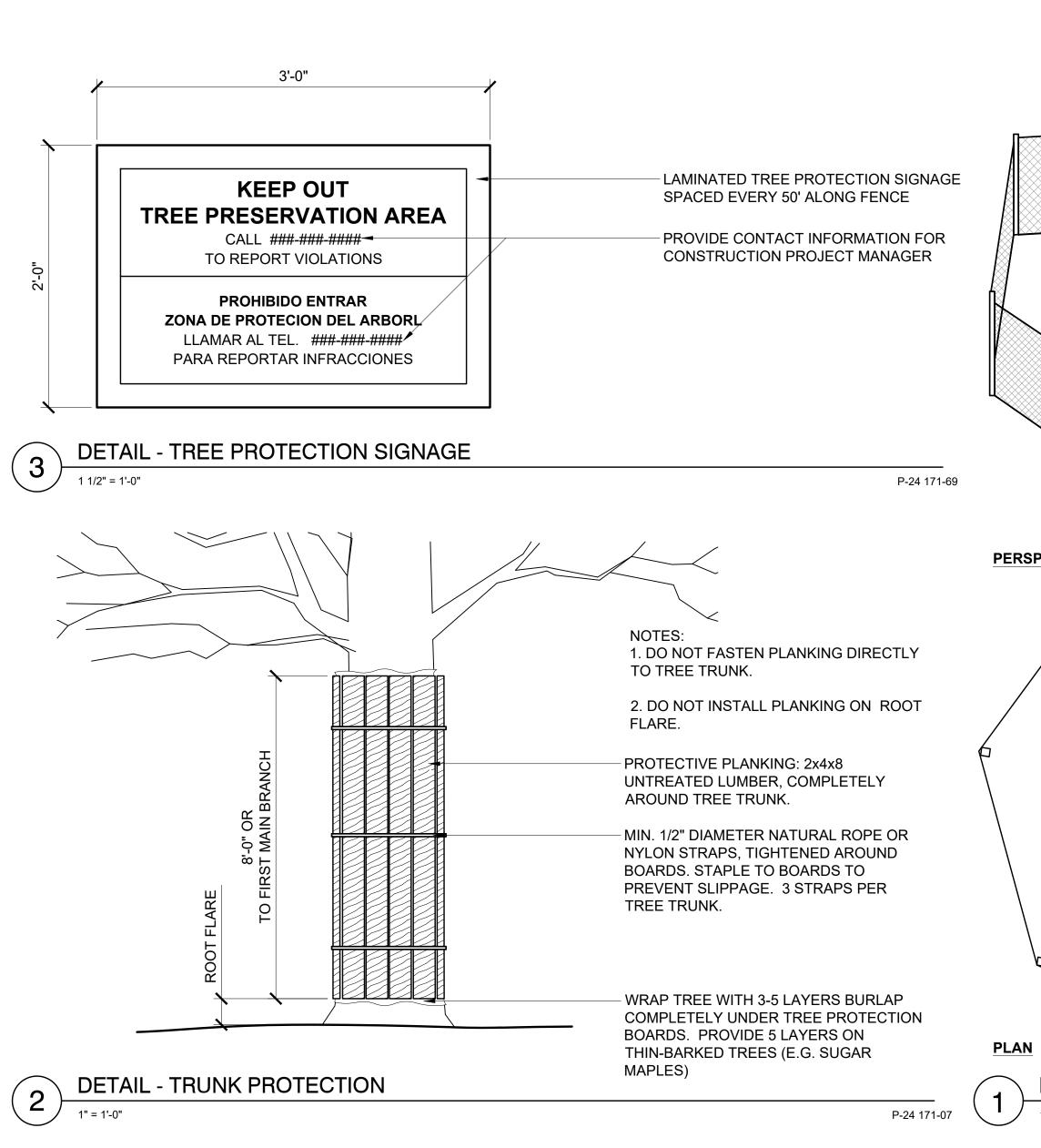
1.1. PROVIDE PROTECTIVE 4" ORGANIC WOOD MULCH LAYER BENEATH DRIPLINE AND IN LOCATIONS SHOWN ON

PLAN.

1.2. PRIOVIDE CLEAN ROOT CUTTING BY ISA CERTIFIED ARBORIST 1.3. PROVIDE LOW-IMPACT/ HAND EXCAVATION MEASURES.

2. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT, OR PARK VEHICLES IN ROOT PROTECTION ZONES.

3. TEMPORARY ACCESS AND MOVEMENT ACROSS ROOT PROTECTION ZONES AND OVER PROTECTIVE MULCH LAYER TO FACILITATE THE WORK SHALL BE PERMITTED. REPAIR TO PROTECTIVE MULCH LAYER DISTURBED BY CONSTRUCTION ACTIVITIES DURING THE DURATION OF THE WORK.



- DRIPLINE VARIES TENSIONER: COATED WIRE OR NYLONE ROPE TO KEEP FENCE TAUGHT TREE PROTECTION FENCING: 48" ORANGE SNOW FENCING OR CONSTRUCTION GRADE CHAIN LINK. FASTEN TO POSTS WITH GALVANIZED WIRE TIES TREE PROTECTION SIGNAGE SPACED EVERY 50' ALONG FENCE. REFER TO SIGNAGE DETAIL POSTS: 7' U-CHANNEL 1.12 LBS/FOOT STRENGTH PAINTED OR GALVANIZED TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION IN LOCATIONS SHOWN ON PLANS AND SHALL BE MAINTAINED FOR THE DURATION OF THE 10' MAX. BETWEEN CONSTRUCTION PERIOD.TREE PROTECTION SUPPORTS FENCING MAY BE RELOCATED AS NECESSARY **PERSPECTIVE** WITH APPROVAL FROM THE LANDSCAPE ARCHITECT. 2. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR PARK VEHICLES IN TREE INSTALL FENCE 6' MIN. OUTSIDE PROTECTION ZONES. THE FENCE SHALL DRIPLINE OR AS SHOWN ON PLAN. PREVENT TRAFFIC MOVEMENT AND THE PLACEMENT OF TEMPORARY FACILITIES,

NORTH

SCALE: 1"=10'

+ 6'MIN

DETAIL - TREE PROTECTION

FEASIBLE DUE TO EXISTING PAVEMENT OR OTHER OBSTACLES. WHERE TREE PROTECTION OCCURS WITHIN DRIPLINE OF TREE. WRAP TRUNK W/ 2X4X8 BOARDS SECURED TIGHTLY AROUND TRUNK

PROTECTION.

PRESERVATION

WITH STRAP BINDINGS. 6. NO PRUNING SHALL BE PERFORMED EXCEPT WHERE APPROVED BY APPROVED LANSDCAPE ARCHITECT AND PERFORMED BY ISA CERTIFIED ARBORIST.

EQUIPMENT, STOCKPILES AND SUPPLIES FROM HARMING VEGETATION WITHIN THE LIMITS OF

3. PLACE 4" DEPTH ORGANIC WOOD MULCH WITHIN TREE PROTECTION FENCING FOR MOISTURE

4. PLACE TREE PROTECTION WITHIN DRIPLINE

WHEN FULL DRIPLINE PROTECTION IS NOT

WHERE WORK OCCURS WITHIN DRIPLINE OF TREE, ROOT PRUNING TO BE PERFORMED BY ISA CERTIFIED ARBORIST PRIOR TO EXCAVATION OR TRENCHING.

L005

P-24 171-19

Copyright © 2020 LEO A DALY Company

FILE LOG JM / AM / TR

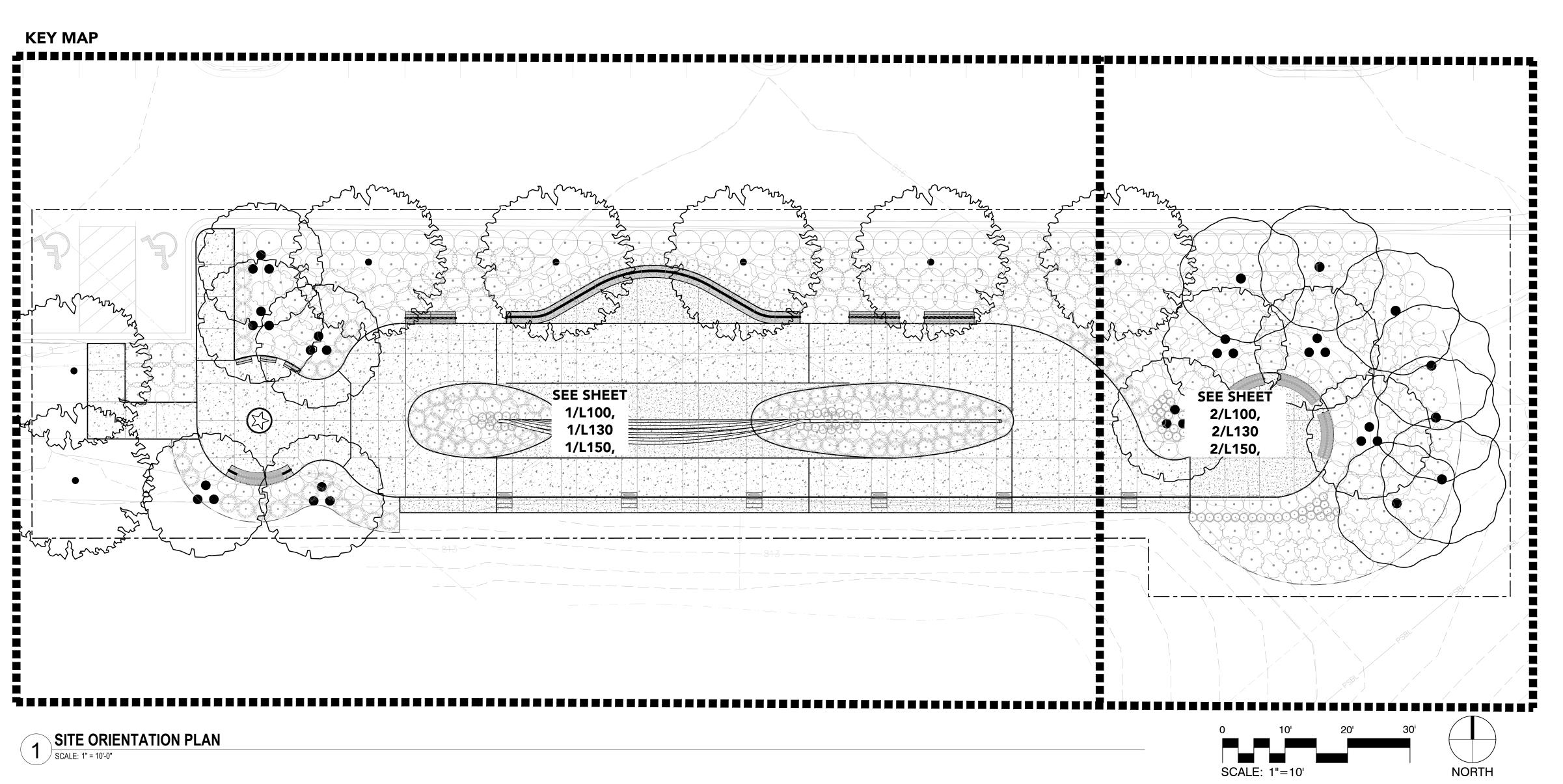
DESCRIPTION

50% CONSTRUCTION

DOCUMENTS

Project No. 023-10332-021 12/20/2024

TREE PRESERVATION PLAN



SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT
TREES					
(• • · · · · · · · · · · · · · · · · ·	AG	9	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE APPLE SERVICEBERRY	8` HT. CLUMP	B&B
•	PP	7	POPULUS TREMULOIDES `PRAIRIE GOLD` PRAIRIE GOLD ASPEN	10` HT. CLUMP	B&B
DECIDUOUS	STRFFS				
And the same of th	TI-B	9	TILIA AMERICANA 'BOULEVARD' BOULEVARD LINDEN	3.5" CAL	B&B
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT
DECIDUOUS	C CUDI ID	9			1
•	AM	50	ARONIA MELANOCARPA BLACK CHOKEBERRY	#5	CONT
	CL	83	DIERVILLA LONICERA 'MICHIGAN SUNSET' DWARF BUSH HONEYSUCKLE	#5	CONT
FG 64 GI		64	RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC	#5	CONT
		53	SORBARIA SORBIFOLIA 'SMNSSC' MR. MUSTARD® FALSE SPIRAEA	#5	CONT
EVERGREE	N SHRUB	iS			
	JB	12	JUNIPERUS SCOPULORUM 'BLUE ARROW' BLUE ARROW JUNIPER	#5	CONT
GRASSES					
•	CA	21	CALAMAGROSTIS X ACUTIFLORA FEATHER REED GRASS	#5	CONT
	CF	28	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' FEATHER REED GRASS	#2	CONT
= • = \		78	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM	#5	CONT
	SH	105	SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED	#1	CONT
PERENNIAL	 S				
	NF	72	NEPETA X FAASSENII CATMINT	#5	CONT

SITE MATERIALS SCHEDULE

	TENIALS SCHEDOLL								
CODE	DESCRIPTION	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS	SPEC#
EDGING									
ED-01	EDGING TYPE 1	132 LF	3/L500	3/16" STEEL EDGING STAKED IN PLACE	-	3/16" STEEL STAKE	BLACK	-	329300
PAVING									
P-01	PAVING FINISH TYPE 1 - CONCRETE BROOM FINISH	5,920 SF	2/L500	SEE CIVIL	-	-	SEE SPECIFICATION	-	321316
P-02	PAVING FINISH TYPE 2 - DECORATIVE CONCRETE FINISH A	1,387 SF	2/L500	SEE CIVIL	-	-	SEE SPECIFICATION	-	321316
SITE FURI	NITURE								
SF-01	BENCH TYPE 01 - BACKLESS WOOD TOP	3	6/L500	DUO BENCH, 8 FOOT, BACKLESS, WALL-TOP MOUNT	FORMS + SURFACES	SBDUO-72PC	FSC® 1100% CUMARU HARDWOOD SLATS, STAINLESS STEEL ANCHORS AND MOUNTING BOLTS	SUBMIT PRODUCT INFORMATION AND A COLOR SAMPLE PRIOR TO ORDERING	323300
SF-02	BENCH TYPE 02 - BACKED WOOD TOP	4	5/L500	DUO BENCH, 6 FOOT, BACKED, WALL-TOP MOUNT	FORMS + SURFACES	SBDUO-72PC	FSC® 1100% CUMARU HARDWOOD SLATS, STAINLESS STEEL ANCHORS AND MOUNTING BOLTS	SUBMIT PRODUCT INFORMATION AND A COLOR SAMPLE PRIOR TO ORDERING	323300
WALL									
WL-01	WALL TYPE 1 - PRECAST CONCRETE BENCH	107 LF	4/L500	PRECAST CONCRETE BENCH WITH CHAMFERED EDGES	STONEWORKS, AMERICAN ARTSTONE, WAUSAU TILE, OR APPROVED EQUAL	PRECAST CONCRETE	STANDARD GRAY	CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL	
WL-02	WALL TYPE 2 - CONCRETE RETAINING WALL	127 LF	7/L500	30" WIDE CIP CONCRETE CURB WITH SONOTUBE FOOTING OVER COMPACTED AGGREGATE BASE, COMPACTED SUBGRADE	CAST-IN-PLACE CONCRETE WITH DECORATIVE CONCRETE FINISH TYPE A	CONCRETE	SEE SPEC		32 1316

SITE SOILS SCHEDULE

CODE	DESCRIPTION	QTY	DETAIL	DEPTH	COMPOSITION	IRRIGATION	NOTES	SUBGRADE PREPARATION	SPEC#
			DEIME	DEI III	COMI CONTON	II di di Ci (Ti Ci (INOTES	T TILL 7 II O TITOTI	<u> 01 L0 11 </u>
SOIL PROI	-ILE								
SP-01	SOIL TYPE 01 - IMORTED SHRUB PLANTING SOIL	1,090 CY		18"	IMORTED SOILS MEETING REQUIREMENTS OF MNDOT	DRIP	3" THICK FINELY SHREDDED HARDWOOD MULCH. INSTALL MULCH OVER JUTE ECB ON SLOPES	SEE	32 91 13
				PLANTING	LOAM TOPSOIL BORROW		ON 3:1 OR STEEPER	SPECIFICAITON	
				SOIL				S, TILL TO 4"	
SP-02	SOIL TYPE 02 - IMPORTED TREE PLANTING SOIL	117 CY		36" DEPTH	IMORTED SOILS MEETING REQUIREMENTS OF MNDOT	DRIP	3" THICK FINELY SHREDDED HARDWOOD MULCH. INSTALL MULCH OVER JUTE ECB ON SLOPES	SEE	32 91 13
OI OL				PLANTING	LOAM TOPSOIL BORROW		ON 3:1 OR STEEPER	SPECIFICATION	
				SOIL				S	

BLOOMINGTON **VETERANS MEMORIAL** 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

CITY OF BLOOMINGTON

PO BOX 201524 BLOOMINGTON, MN 55420

1800 WEST OLD SHAKOPEE RD **BLOOMINGTON MN 55431**



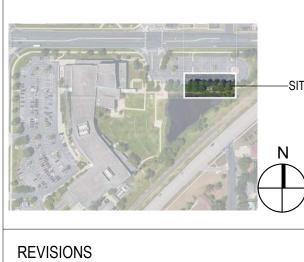
730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840 DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN



DESCRIPTION FILE LOG

ACTIVITY BY

Manager JM / AM

Design JM / AM / TR

Draw TR / AG

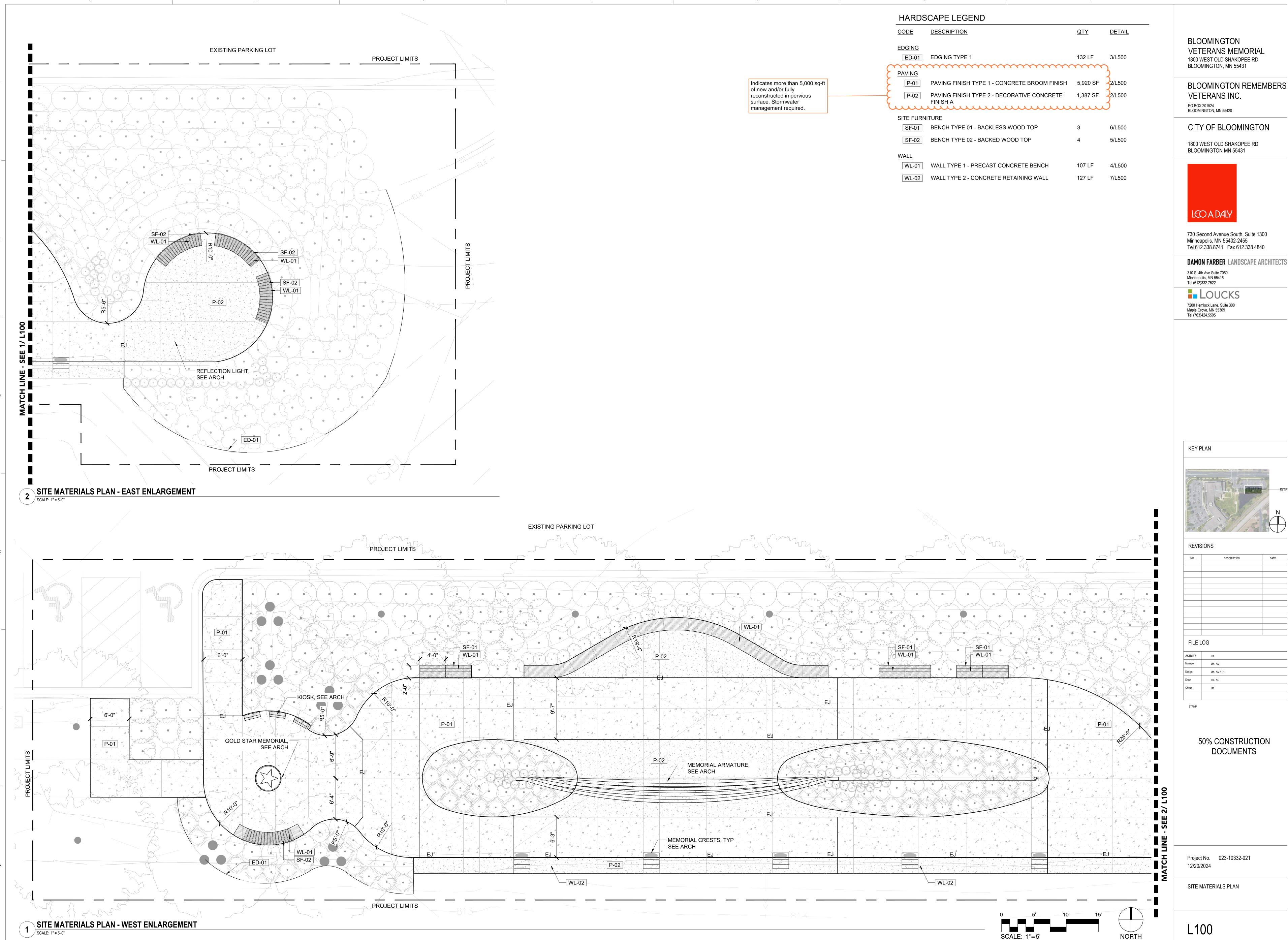
Check JM JM / AM / TR

> 50% CONSTRUCTION **DOCUMENTS**

Project No. 023-10332-021 12/20/2024

SITE ORIENTATION PLAN AND SCHEDULES

L010



BLOOMINGTON VETERANS MEMORIAL

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

PO BOX 201524 BLOOMINGTON, MN 55420

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN



REVISIONS

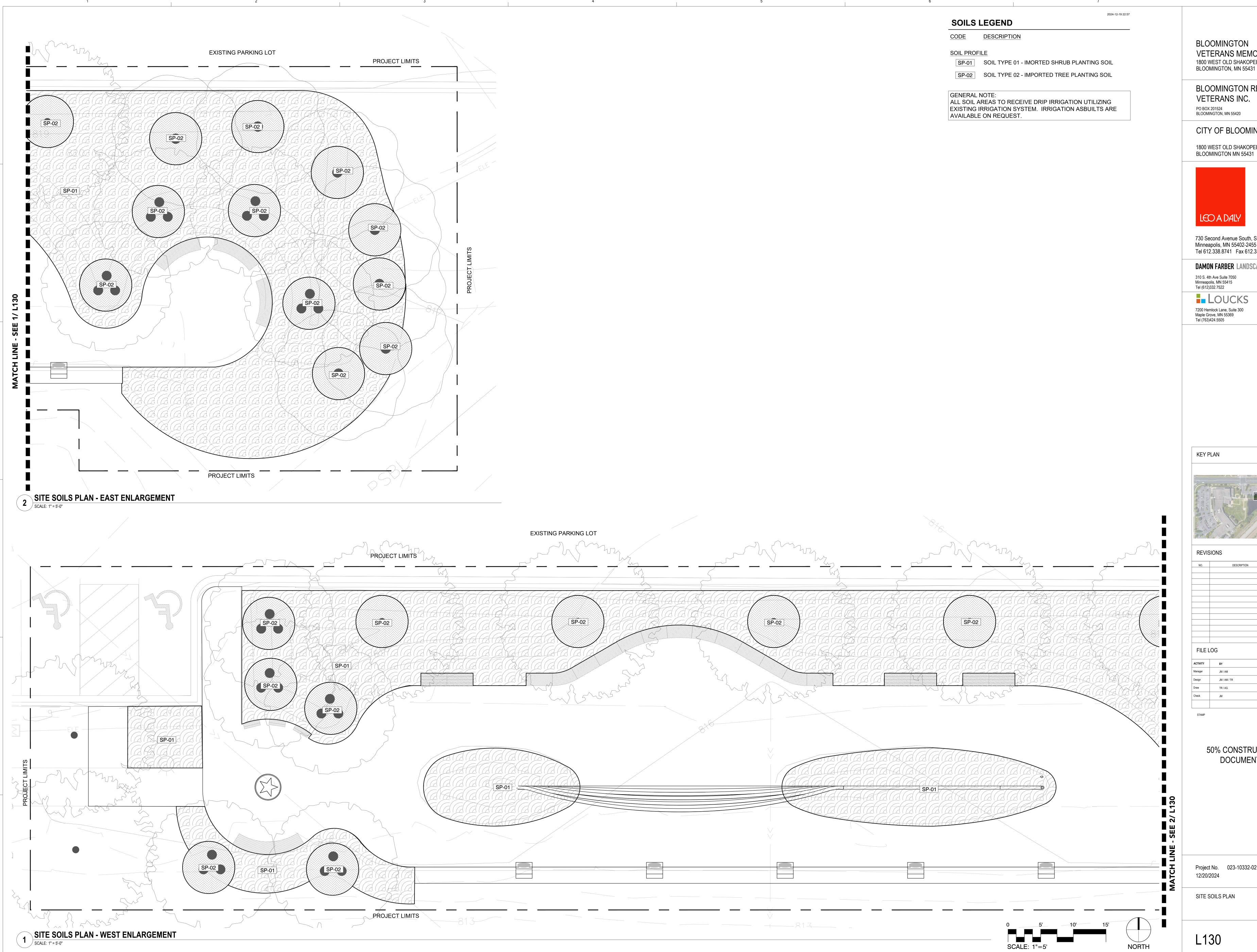
NO.	DESCRIPTION	DATE
FILE L	OG	
''	.00	
ACTIVITY	ВУ	
Manager	JM / AM	
Design	JM / AM / TR	
Draw	TR / AG	
Check	JM	

50% CONSTRUCTION DOCUMENTS

Project No. 023-10332-021

SITE MATERIALS PLAN

L100



BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS

VETERANS INC. PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



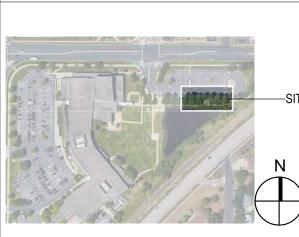
730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN

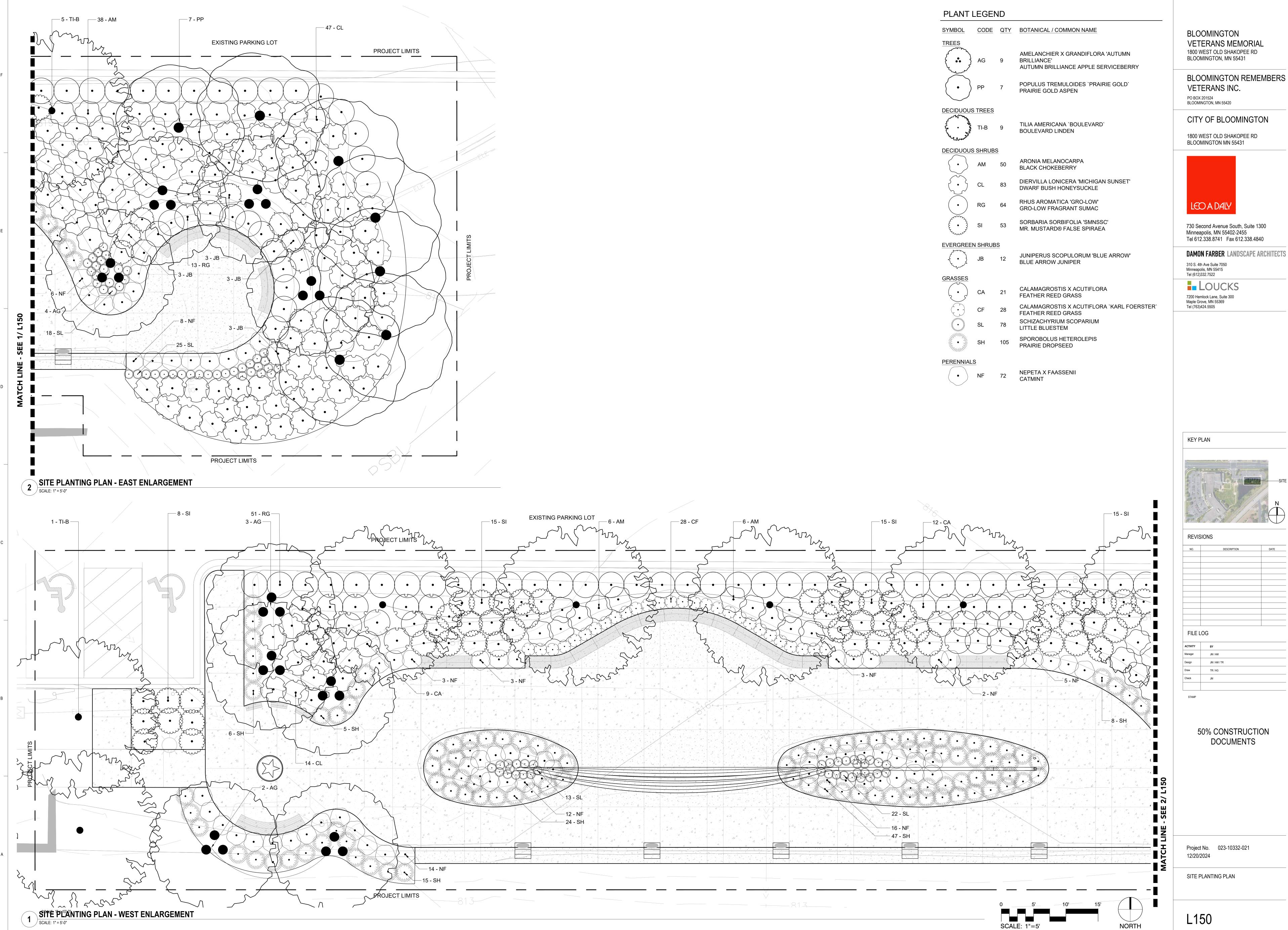


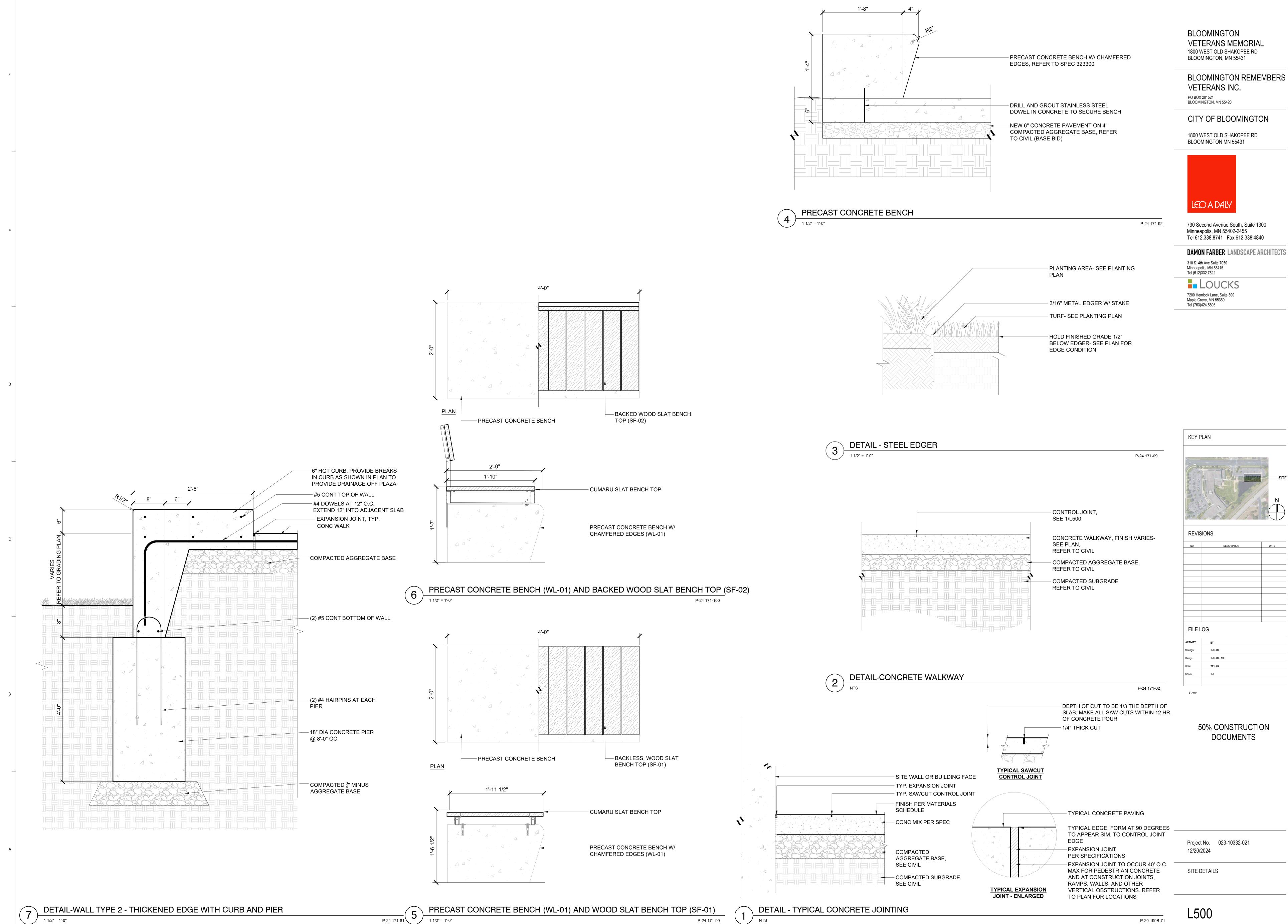
REVISIONS

NO.	DESCRIPTION	DATE
FILE L	OG	
''	.00	
ACTIVITY	ВУ	
Manager	JM / AM	
Design	JM / AM / TR	
Draw	TR / AG	
Check	JM	

50% CONSTRUCTION DOCUMENTS

L130

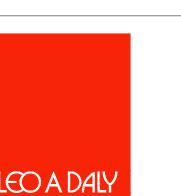




VETERANS MEMORIAL

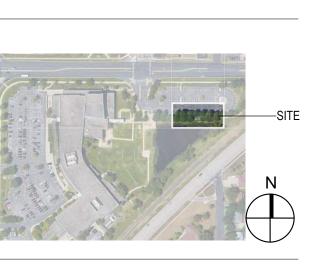
BLOOMINGTON REMEMBERS

1800 WEST OLD SHAKOPEE RD

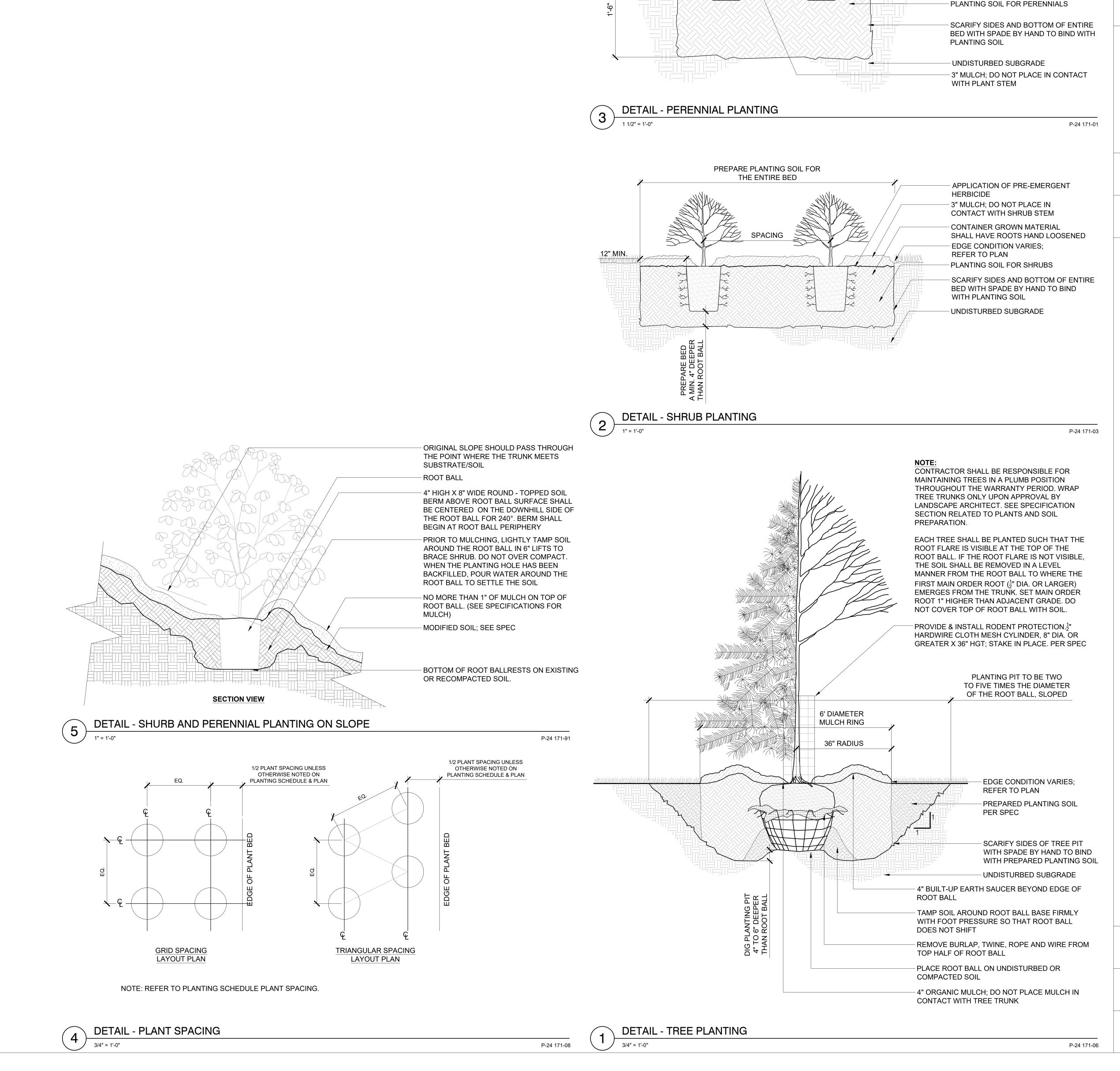


730 Second Avenue South, Suite 1300

Tel 612.338.8741 Fax 612.338.4840



50% CONSTRUCTION **DOCUMENTS**



PREPARE PLANTING SOIL FOR THE ENTIRE BED

SPACING

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD

- EDGE CONDITION VARIES; REFER TO PLAN

CONTAINER GROWN MATERIAL SHALL

HAVE ROOTSH AND LOOSENED

BLOOMINGTON, MN 55431 BLOOMINGTON REMEMBERS

BLOOMINGTON, MN 55420

VETERANS INC.

PO BOX 201524

CITY OF BLOOMINGTON 1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

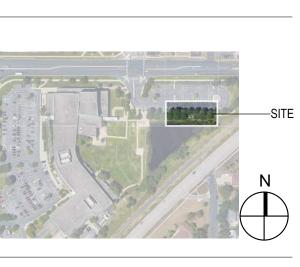
DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

Tel (763)424.5505

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369

KEY PLAN



REVISIONS

NO.	DESCRIPTION	DATE
FILE L	_OG	
ACTIVITY	ВҮ	
Manager	JM / AM	
Design	JM / AM / TR	
Draw	TR / AG	
Check	JM	

50% CONSTRUCTION DOCUMENTS

Project No. 023-10332-021 12/20/2024

SITE LANDSCAPE DETAILS

L510

1. APPLICABLE BUILDING CODE AND SELECT REFERENCING STANDARDS

INTERNATIONAL BUILDING CODE, 2018 WITH 202 MINNESOTA STATE BUILDING CODE AMENDMENTS. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AISC 360-16 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS

ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES INCLUDING SUPPLEMENT NO. 1 AND 2, EXCLUDING CHAPTER 14 AND APPENDIX 11A AWS D1.1-20 STRUCTURAL WELDING CODE - STEEL

OTHER SELECT REFERENCED STANDARDS MAY BE INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS, AS APPLICABLE.

THE PROVISIONS OF THE REFERENCED BUILDING CODE AND ALL REFERENCED STANDARDS THEREIN SHALL APPLY TO THIS PROJECT. WHERE THERE IS A CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL BE APPLICABLE. TYPICALLY, THE LATEST EDITION OF CONSTRUCTION STANDARDS SHALL BE UTILIZED, AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

2. INTERPRETATION OF CONFLICTS

SHOULD CONFLICTS OCCUR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REQUEST INTERPRETATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK. ALL SUCH REQUESTS SHALL FIRST BE PRECEDED BY A DILIGENT INVESTIGATION INTO THE CONTRACT DOCUMENTS. EVIDENCE OF SUCH INVESTIGATION SHALL BE CONTAINED IN ALL REQUESTS FOR INTERPRETATION SUBMITTED.

IF THE CONTRACTOR FAILS TO MAKE SUCH A REQUEST, THE CONTRACTOR IS EXPECTED TO COMPLETE THE WORK AS INDICATED IN THE CONTRACT DOCUMENTS. SHOULD CONFLICTS OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL ESTIMATE THE COST OF THE WORK BASED ON THE MORE EXPENSIVE WAY OF DOING THE WORK UNLESS HAVING ASKED FOR, AND OBTAINED, WRITTEN DECISION BEFORE SUBMISSION OF PROPOSAL AS TO WHICH METHOD OR MATERIALS WILL BE REQUIRED.

- 3. STRUCTURAL SYSTEMS HAVE BEEN DESIGNED TO RESIST THE FOLLOWINGS DESIGN LOADS: A. ICE LOADS: 14 PLF, PER ASCE 7-16, CHAPTER 10.
- B. WIND LOAD: 25 PLF FACTORED LOAD
- 4. CONTRACTOR RESPONSIBILITIES A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (INCLUDING FIELD VERIFICATIONS OF EXISTING CONDITIONS AND DIMENSIONS) BEFORE STARTING WORK OR FABRICATING ANY REINFORCING STEEL, STRUCTURAL STEEL, COLD-FORMED STEEL ELEMENTS, OR PRECAST ELEMENTS. THE (ARCHITECT) SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
- B. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF COMPONENTS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE (NEW AND/ OR EXISTING) FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

014000 - QUALITY REQUIREMENTS

1. SPECIAL INSPECTIONS AND STRUCTURAL TESTING [AND STRUCTURAL OBSERVATIONS] SHALL BE PERFORMED PER CHAPTER 17 OF IBC, THE CONTRACT DOCUMENTS, AND THE STATEMENT OF SPECIAL INSPECTIONS WHICH IS INCLUDED IN THE CONTRACT DOCUMENTS.

033000 - CAST-IN-PLACE CONCRETE (REINFORCED)

ALL STRUCTURAL CONCRETE SHALL BE DESIGNED FOR A 28-DAY COMPRESSIVE STRENGTH OF:

f'c EQUALS 4500 PSI (NORMAL WEIGHT)

- 2. ALL REINFORCING STEEL SHALL BE DEFORMED, NEW, AND CONFORM TO ASTM A615 GRADE 60 (DEFORMED
- 3. CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT AT SURFACES WHICH WILL BE EXPOSED TO THE WEATHER OR BE IN CONTACT WITH EARTH (BUT NOT CAST AGAINST) SHALL BE 2" FOR BARS LARGER THAN #5 AND 1 1/2" FOR #5 BARS OR SMALLER, PROVIDE 3" COVER FOR REINFORCEMENT CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, UNLESS DETAILED OTHERWISE.
- 4. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS 5. PROVIDE LAP SPLICES IN CONFORMANCE WITH TABLE 033000-1, UNLESS OTHERWISE INDICATED. FOLLOW RESTRICTIONS ON LOCATIONS OF SPLICES AS INDICATED IN DETAILS, NOTES, OR SPECIFICATIONS.

TABLE 033000-1 - LAP SPLICE LENGTHS (GRADE 60 BARS, NORMAL WEIGHT...

BAR	fc=	4500 psi
SIZE	TOP BARS	OTHER BARS
#3	1'-11"	1'-6"
#4	2'-6"	2'-0"
#5	3'-2"	2'-5"
#6	3'-10"	2'-9"
#7	5'-6"	4'-3"
#8	6'-4"	4'-11"
#9	7'-2"	5'-6"
#10	8'-0"	6'-2"
#11	8'-11"	6'-10"

033000 - LAP SPLICE LENGTHS NOTES

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW BARS. 2. TABULATED VALUES ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED) BARS. FOR EPOXY COATED BARS,

3. IF CONCRETE COVER IS LESS THAN 1.0 x db OR C-C SPACING IS LESS THAN 3.0 x db, MULTIPLY LENGTH BY 1.5. (db

- 6. WHERE REINFORCING STEEL IN TENSION IS REQUIRED TO BE MECHANICALLY SPLICED, MECHANICAL SPLICE SHALL BE DESIGNED FOR 125% OF THE SPECIFIED YIELD STRENGTH OF THE LARGER BAR BEING SPLICED. NO PENETRATIONS (SUCH AS PIPE SLEEVES, ELECTRICAL CONDUITS, ETC.) THROUGH ANY STRUCTURAL
- MEMBER, SHALL BE MADE WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER. 8. BEAM REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-LATEST EDITION, SECTIONS 7.13.2.2 AND 7.13.2.3, REQUIREMENTS FOR STRUCTURAL INTEGRITY. SEE DIAGRAM 033000-3 IN GENERAL NOTES. 9. "CLOSED HOOPS" INDICATES HOOPS IN ACCORDANCE WITH SECTION 2.2 AND CHAPTER 21 OF ACI 318 (LATEST EDITION) CONSISTING OF A CLOSED TIE OR CONTINUOUSLY WOUND TIE. A CLOSED TIE CAN BE MADE UP OF SEVERAL REINFORCEMENT ELEMENTS EACH HAVING SEISMIC HOOKS IN ACCORDANCE WITH SECTION 2.2 OF
- ACI 318 (LATEST EDITION) AT BOTH ENDS. A CONTINUOUSLY WOUND TIE SHALL HAVE A SEISMIC HOOK AT BOTH ENDS. "STIRRUPS", "TIES", AND "CROSSTIES" SHALL HAVE SEISMIC HOOKS IN ACCORDANCE WITH "SEISMIC HOOKS" DEFINED IN SECTION 2.2 OF ACI 318 (LATEST EDITION). CLOSED HOOPS MAYBE SUBSTITUTED FOR "STIRRUPS" WHEREVER INDICATED, BUT NOT VICE VERSA. CONSECUTIVE CROSSTIES AND HOOKS SHALL ALTERNATE ENDS OF HOOK IN EACH ADJACENT LAYER, UNLESS OTHERWISE INDICATED.
- 10. THE FOLLOWING ELEMENTS EXPOSED TO VIEW SHALL BE "ARCHITECTURALLY EXPOSED CONCRETE": PIERS
- 11. NON-CONTINUOUS ENDS OF TOP BARS IN BEAMS AND SLABS SHALL TERMINATE WITH A STANDARD 90-DEGREE OR 180-DEGREE HOOK, UNLESS DETAILED OTHERWISE. 12. ANY CONDUIT (PLASTIC OR METAL) EMBEDDED IN THE STRUCTURE SHALL BE APPROVED BY THE STRUCTURAL
- ENGINEER OF RECORD PRIOR TO PLACEMENT. PROVISIONS OF ACI 318-11 SECTION 6.3 SHALL BE FOLLOWED. A. EMBEDDED CONDUIT OR PIPE MAY BE PLASTIC OR STEEL. EMBEDDED ITEMS MAY NOT BE ALUMINUM. B. NO CONDUIT OR PIPE SHALL HAVE AN OUTSIDE DIAMETER LARGER THAN 1/3 THE OVERALL THICKNESS OF SLAB, WALL, OR BEAM IN WHICH THEY ARE EMBEDDED.
- CONDUIT AND PIPE SHALL HAVE A MINIMUM SPACING OF THREE DIAMETERS OR WIDTHS ON CENTER. . CONCRETE COVER FOR PIPES, CONDUITS, AND FITTINGS SHALL BE A MINIMUM 1-1/2" FOR CONCRETE EXPOSED TO EARTH OR WEATHER, 3/2" FOR CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND. CONDUIT SHALL BE LOCATED IN THE MIDDLE THIRD OF SLAB, WALL OR BEAM WHEREVER
- E. CONDUIT AND PIPING SHALL BE FABRICATED AND INSTALLED SO THERE IS NO CONTACT, INTERRUPTION OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION.

050519 - POST-INSTALLED ANCHORAGE

- 1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. ALL POST-INSTALLED ANCHORS (IN CONCRETE OR CMU) ARE TO BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII) (INCLUDING BUT NOT LIMITED TO DRILL BIT SIZE, PROPER CLEANING OF HOLES, INSTALLATION TORQUE, AND TEMPERATURE CONSTRAINTS). ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT. THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

051200 - STRUCTURAL STEEL FRAMING

- 1. ALL STRUCTURAL STEEL W SHAPES AND HSS SHAPES SHALL BE 304 STAINLESS STEEL (UNLESS NOTED OTHERWISE). STRUCTURAL STEEL FOR CHANNELS, ANGLES AND PLATES SHALL BE 304 STAINLESS STEEL (UNLESS NOTED OTHERWISE). WHERE PLATES ARE INDICATED WITH Fy = 50 KSI, THEY SHALL BE 304 STAINLESS STEEL.
- ALL ANCHOR RODS SHALL BE ASTM F1554, GRADE 55 UNLESS NOTED OTHERWISE. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH "AISC 360-16, SPECIFICATION FOR
- STRUCTURAL STEEL BUILDINGS, 2016". ALLOWABLE STRENGTH DESIGN METHOD. 4. BASE PLATE HOLE AND WASHER SIZES FOR ANCHOR RODS:

TABLE 051200-1 - STRUCTURAL STEEL FRAMING ANCHOR ROD SCHEDULE				
ANCHOR ROD	BASE PLATE HOLE	MIN. WASHER		
SIZE	DIAMETER	DIAMETER	MIN. WASHER THICKNESS	
3/4"ø	1 5/16"ø	2"ø	1/4"	
7/8"ø	1 9/16"ø	2 1/2"ø	5/16"	
1"ø	1 13/16"ø	3"ø	3/8"	
1 1/4"ø	2 1/16"ø	3"ø	1/2"	
1 1/2"ø	2 5/16"ø	3 1/2"ø	1/2"	

- 5. ALL WELDING SHALL CONFORM TO STAINLESS STEEL WELDING PROCEDURES, AS DESCRIBED IN THE AMERICAN WELDING SOCIETY (AWS) " STRUCTURAL WELDING CODE" AWS D1.1 - LATEST EDITION.
- 6. BEARING SURFACES OF COLUMNS SHALL BE FINISHED TO PROVIDE FULL BEARING CONTACT WITH BASE PLATE (AND CAP PLATE IF REQUIRED BY LOAD TRANSFER). BASE PLATES AND CAP PLATES SHALL BE FINISHED IN ACCORDANCE WITH SECTION M2.8 OF THE AISC SPECIFICATION.

316000 - GENERAL FOUNDATIONS

- 1. WITH SITE CHANGE, FOOTING DESIGN WILL BE FINALIZED ONCE UPDATED GEOTECH REPORT IS RECIVED.
- 2. FOUNDATION INVESTIGATION WAS MADE BY BRAUN INTERTEC, PROJECT NUMBER JJB2401190. DATED MARCH 29, 2024. THIS REPORT RECOMMENDS THE FOLLOWING:
- A. THE SITE INCLUDES LAYERS OF UNDOCUMENTED FILL. THIS FILL IS TO BE REMOVED AND REPLACED
- WITH ENGINEERED FILL BENEATH SPREAD FOOTINGS, APPROXIMATELY 10' IN DEPTH. 3. SOIL CORRECTION IS TO AVOID BURIED UTILITIES.
- C. A 6" LAYER OF CRUSHED AGGREGATE BASE COURSE TO BE INSTALLED AND COMPACTED DIRECTLY BENEATH FOOTING BEARING.
- D. DRILLED PIERS TO EXTEND 8' BELOW GRADE TO PROTECT AGAINST FROST HEAVE. 3. BACKFILLING AGAINST WALLS AND GRADE BEAMS SHALL NOT BE DONE UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH AND WALLS ARE PROPERLY SHORED OR BRACED. WHERE BACKFILL IS REQUIRED ON BOTH SIDES OF WALLS, BACKFILL BOTH SIDES SIMULTANEOUSLY.
- 4. ALLOWABLE SOIL BEARING PRESSURE: SPREAD AND CONTINUOUS FOOTINGS ON STRUCTURAL FILL = 2,500 PSF (DEAD LOAD PLUS FULL LIVE LOAD)
- 5. SEE GEOTECHNICAL REPORT FOR SPECIFIC RECOMMENDATIONS.

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



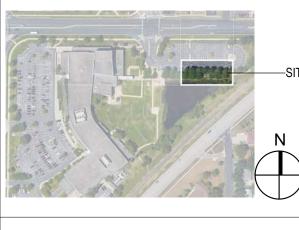
730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840 DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN



DESCRIPTION

REVISIONS

FILE L	_OG	
ACTIVITY	ВУ	
Manager	МЈВ	
Design	Designer	
Draw	Author	
Check	Checker	

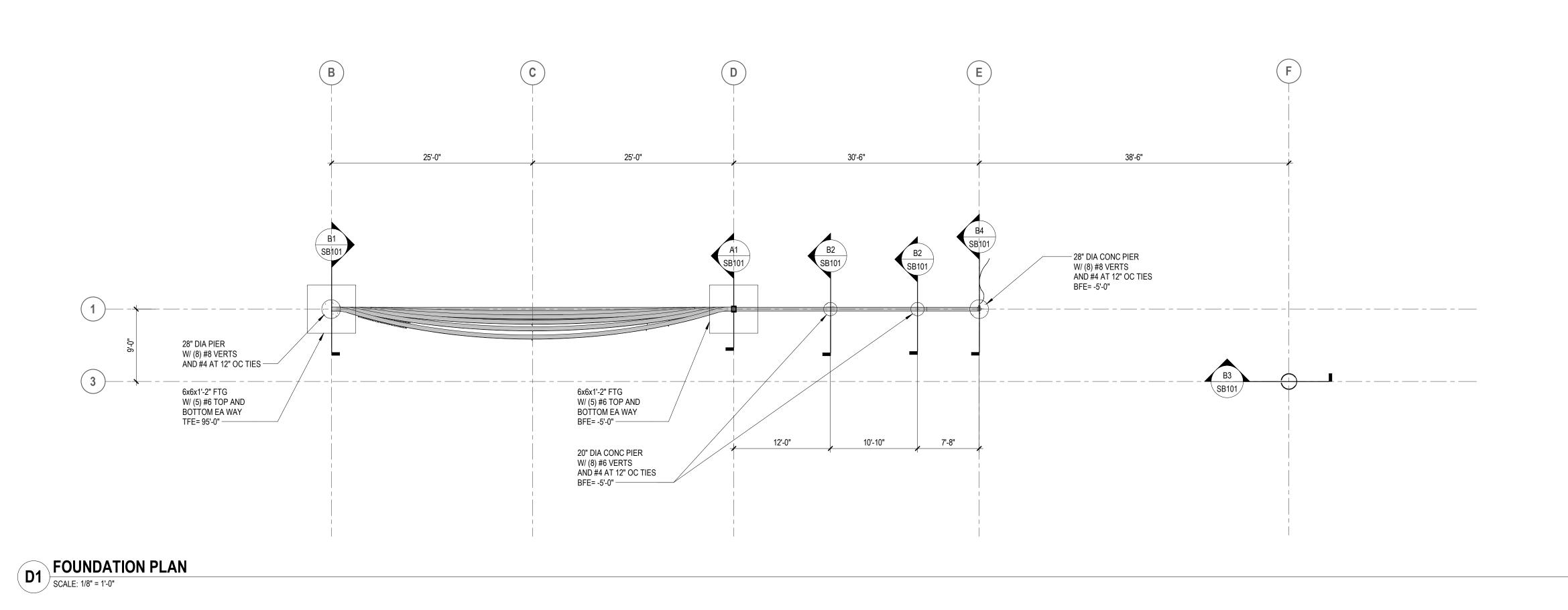
50% CONSTRUCTION



Project No. 023-10332-021

STRUCTURAL GENERAL NOTES

S001



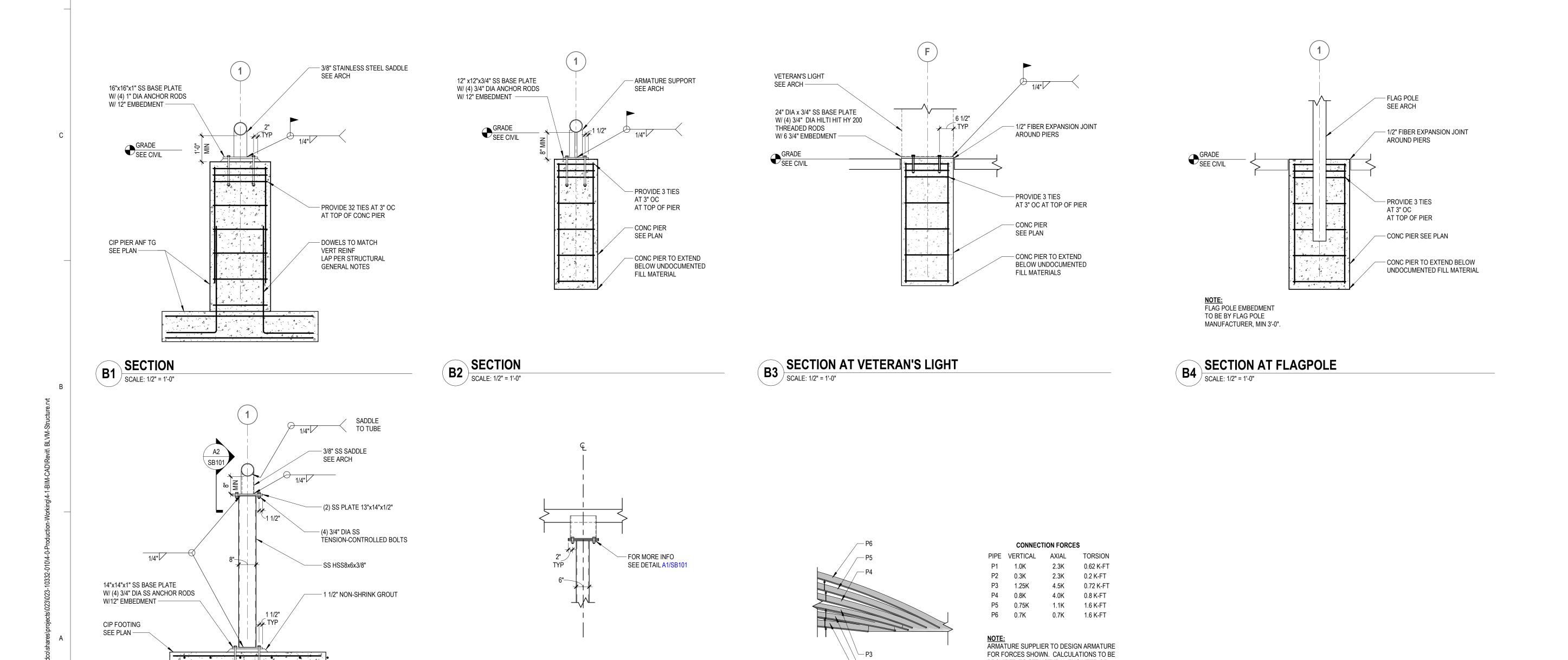


TABLE - CONNECTION FORCES

SCALE: 1/4" = 1'-0"

SECTIONSCALE: 1/2" = 1'-0"

SECTION

SCALE: 1/2" = 1'-0"

PROVIDED TO STRUCTURAL ENGINEER OF RECORD.

FOUNDATION PLAN NOTES

FOR STRUCTURAL GENERAL NOTES, SEE SHEET S-001.

FOR SPECIAL INSPECTION REQUIREMENTS, SEE SEE SPECIFICATION SECTION

REFER TO CIVIL FOR SURVEY ELEVATION=

PROJECT ELEVATION 100'-0"

SEE PLAN FOR TOP OF FOOTING AND BOTTOM OF FOOTING ELEVATIONS TOP OF COLUMN PIER ELEVATION (TPE) = 100'-0" UNO.

FOR FOUNDATION AND BASE PLATE INFORMATION, SEE PLAN AND DETAILS. FOOTINGS TO BE CENTERED UNDER COLUMNS AND WALLS UNLESS DIMENSIONED

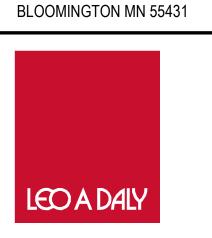
BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

1800 WEST OLD SHAKOPEE RD

CITY OF BLOOMINGTON

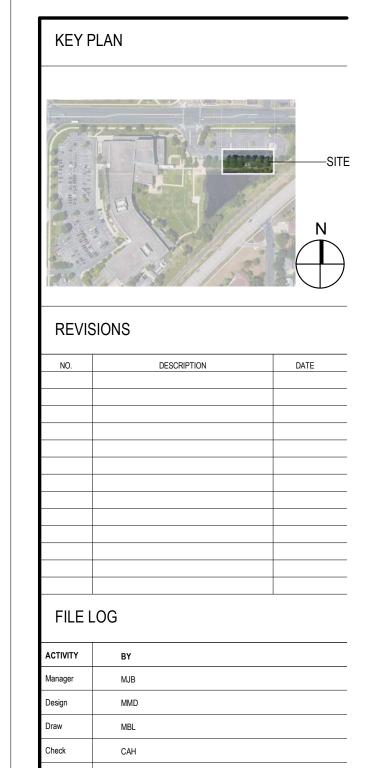


730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415

Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505



50% CONSTRUCTION **DOCUMENTS PROGRESS** PRINTING



Project No. 023-10332-021 12/20/2024

FOUNDATION PLAN AND DETAILS

SB101

GENERAL ARCHITECTURAL NOTES

- ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST
- REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE ELEVATIONS.
- CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION

 ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS &
 SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN
- TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP DRAWING SUBMITTALS. IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH
- AT PLATE EDGE. REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

KEYNOTE LEGEND

AF04 | MEMORIAL VISITOR'S WELCOME KIOSK AF05 ARMATURE & ADD ALTERNATE MILITARY ID TAGS

- AF06 FLAG POLE, REFER TO AE111
- AF07 ADD ALTERNATE CRESTS (6) & PAVING
 AF08 LIMITS OF CONSTRUCTION, REFER TO CIVIL/LANDSCAPE SITE PLAN

BLOOMINGTON

VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON MN 55431



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN REVISIONS FILE LOG

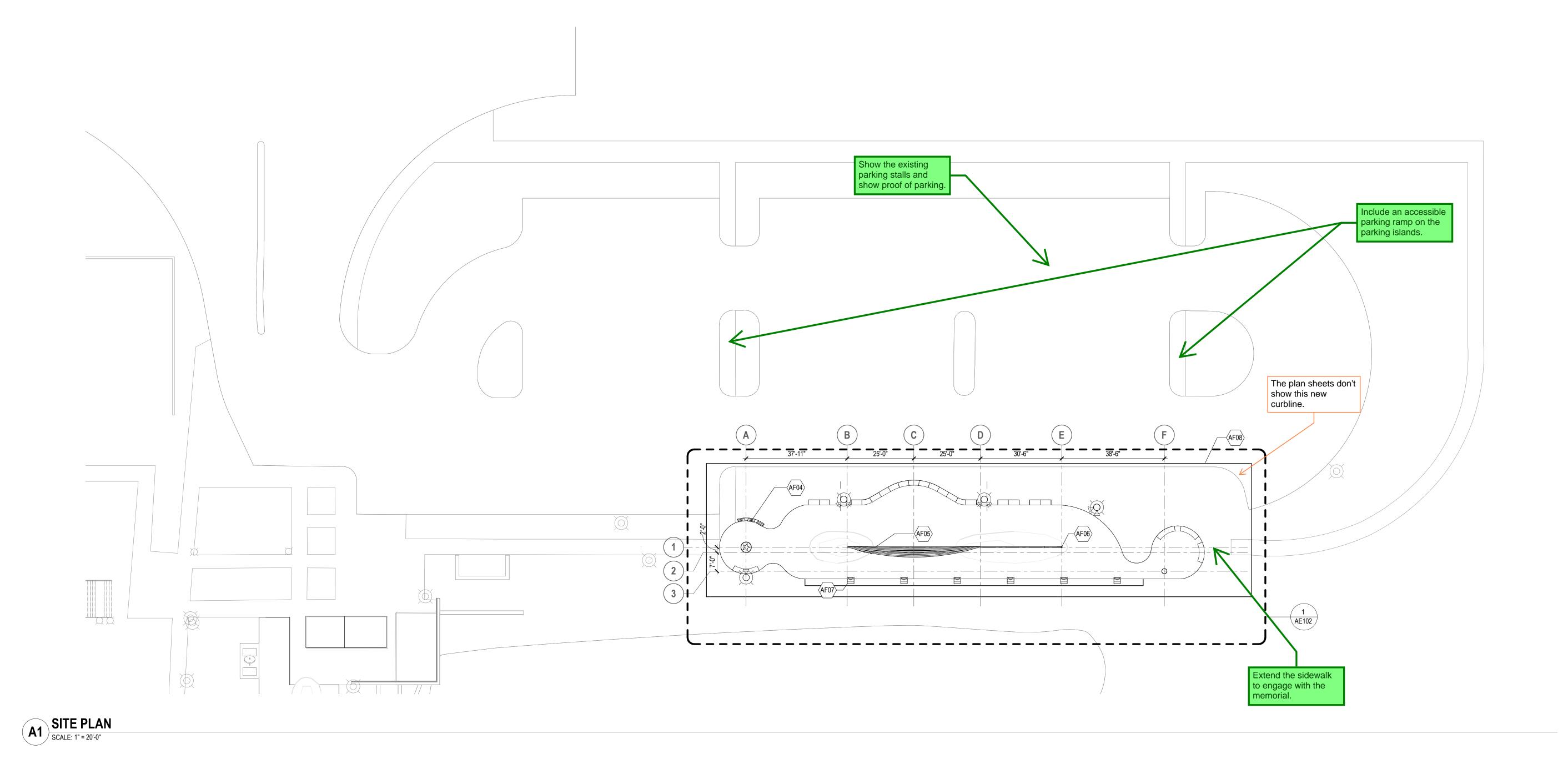
50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING

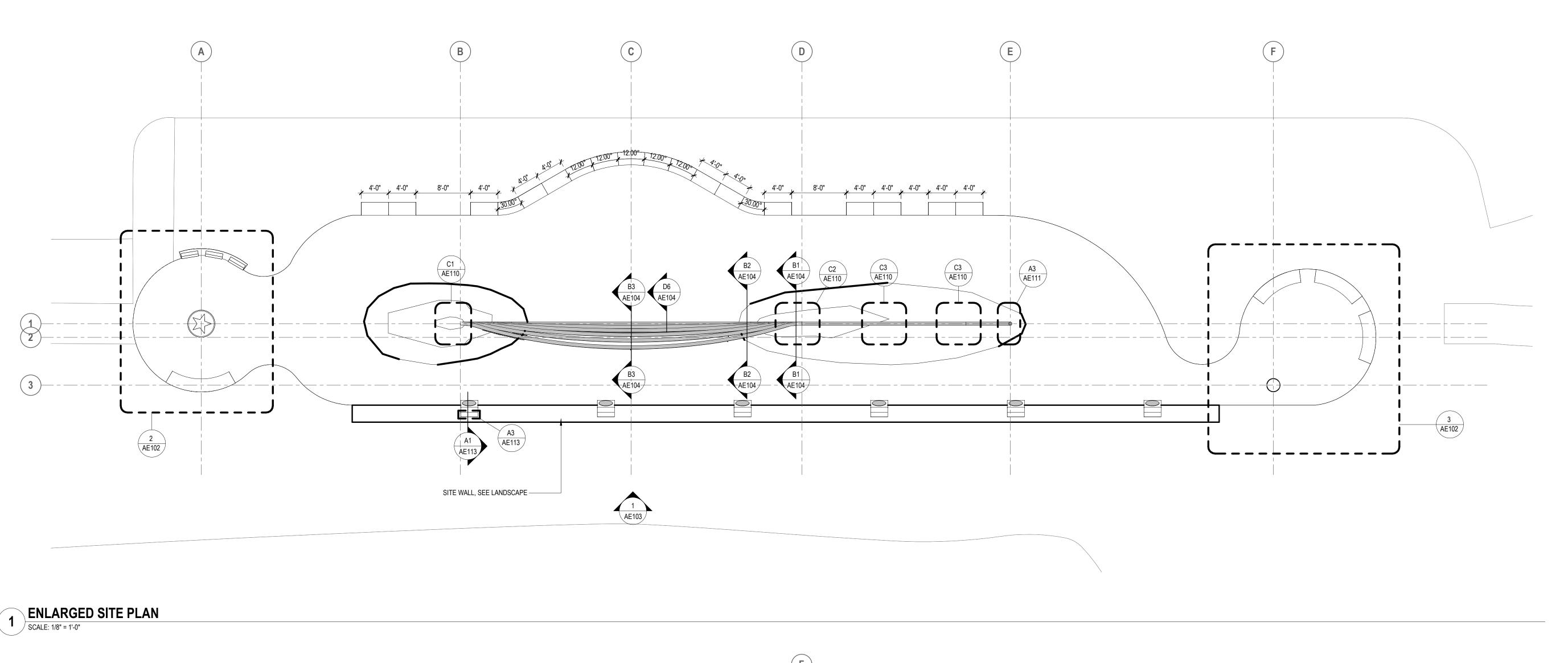


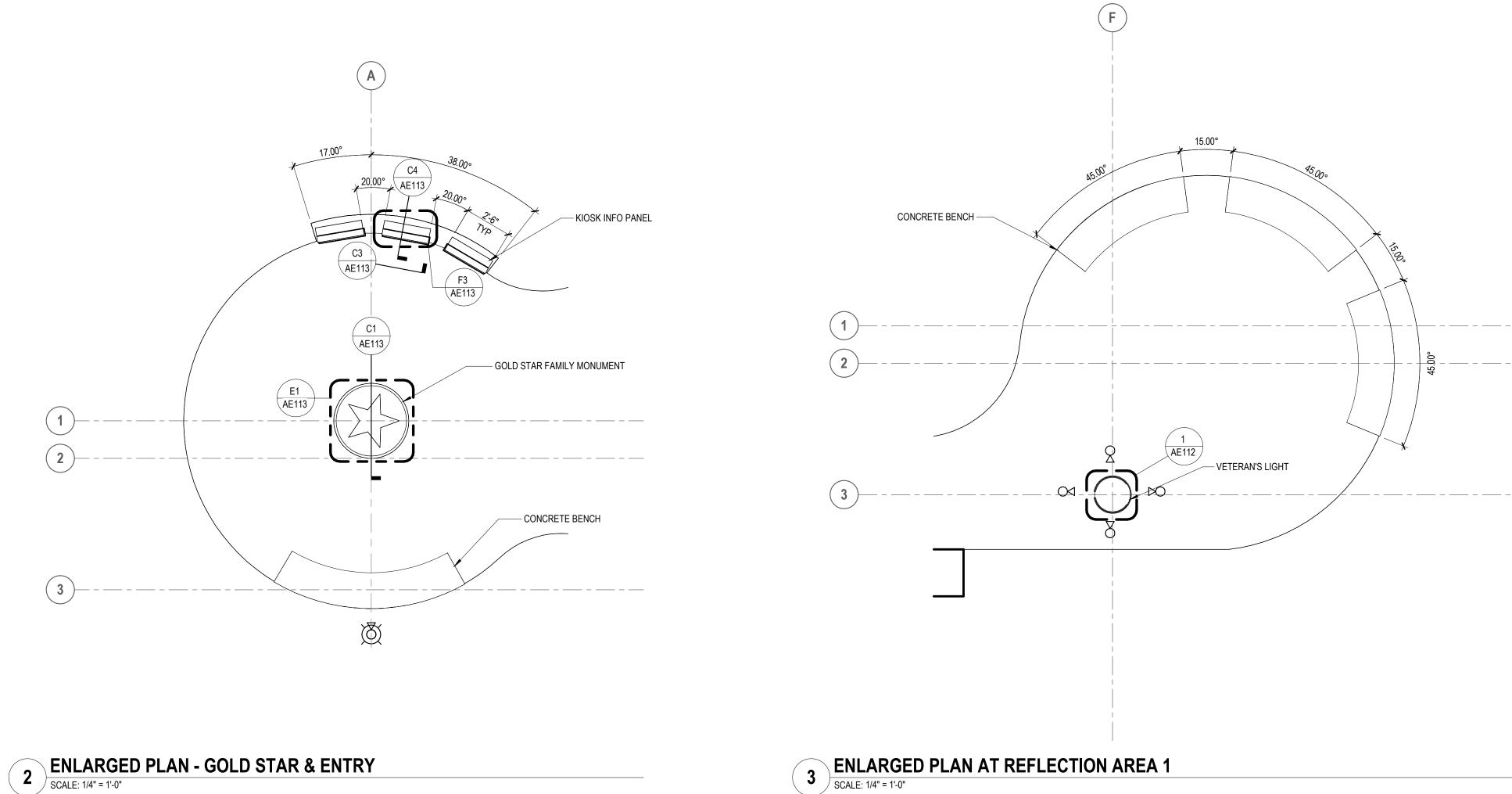
Project No. 023-10332-021

SITE PLAN

AE101







GENERAL ARCHITECTURAL NOTES

ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST DIRECTION.

 PEFER TO CHAIL DRAWINGS FOR DEMOLITION SITE BLANLAND RAYEMENT SITE.

DIRECTION.

2. REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE ELEVATIONS.

3. CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION

ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS & SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN INFORMATION.
 TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP DRAWING SUBMITTALS.

6. IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH AT PLATE EDGE.

REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

KEYNOTE LEGEND CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON MN 55431

BLOOMINGTON

VETERANS MEMORIAL

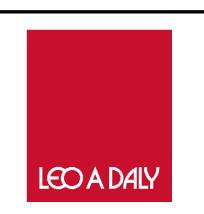
1800 WEST OLD SHAKOPEE RD

BLOOMINGTON REMEMBERS

BLOOMINGTON, MN 55431

VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050
Minneapolis, MN 55415
Tel (612)332.7522

LOUCKS

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

REVISIONS

NO. DESCRIPTION DATE

FILE LOG

ACTIVITY BY

Manager MB

Design Designer

Draw Author

Check Checker

50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING

Project No. 023-10332-021

ENLARGED PLANS

. =

AE102

GENERAL ARCHITECTURAL NOTES

ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST DISCREPANCIES.

- DIRECTION.

 2. REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE
- ELEVATIONS.
 3. CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION
 4. ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS & SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN
- INFORMATION.
 5. TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP DRAWING SUBMITTALS.
 6. IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH
- AT PLATE EDGE.

 7. REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

BLOOMINGTON
VETERANS MEMORIAL
1800 WEST OLD SHAKOPEE RD
BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON MN 55431



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050
Minneapolis, MN 55415
Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

REVISIONS

NO. DESCRIPTION DATE

FILE LOG

ACTIVITY BY

Manager MB

Design Designer

Draw Author

Check Checker

50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING

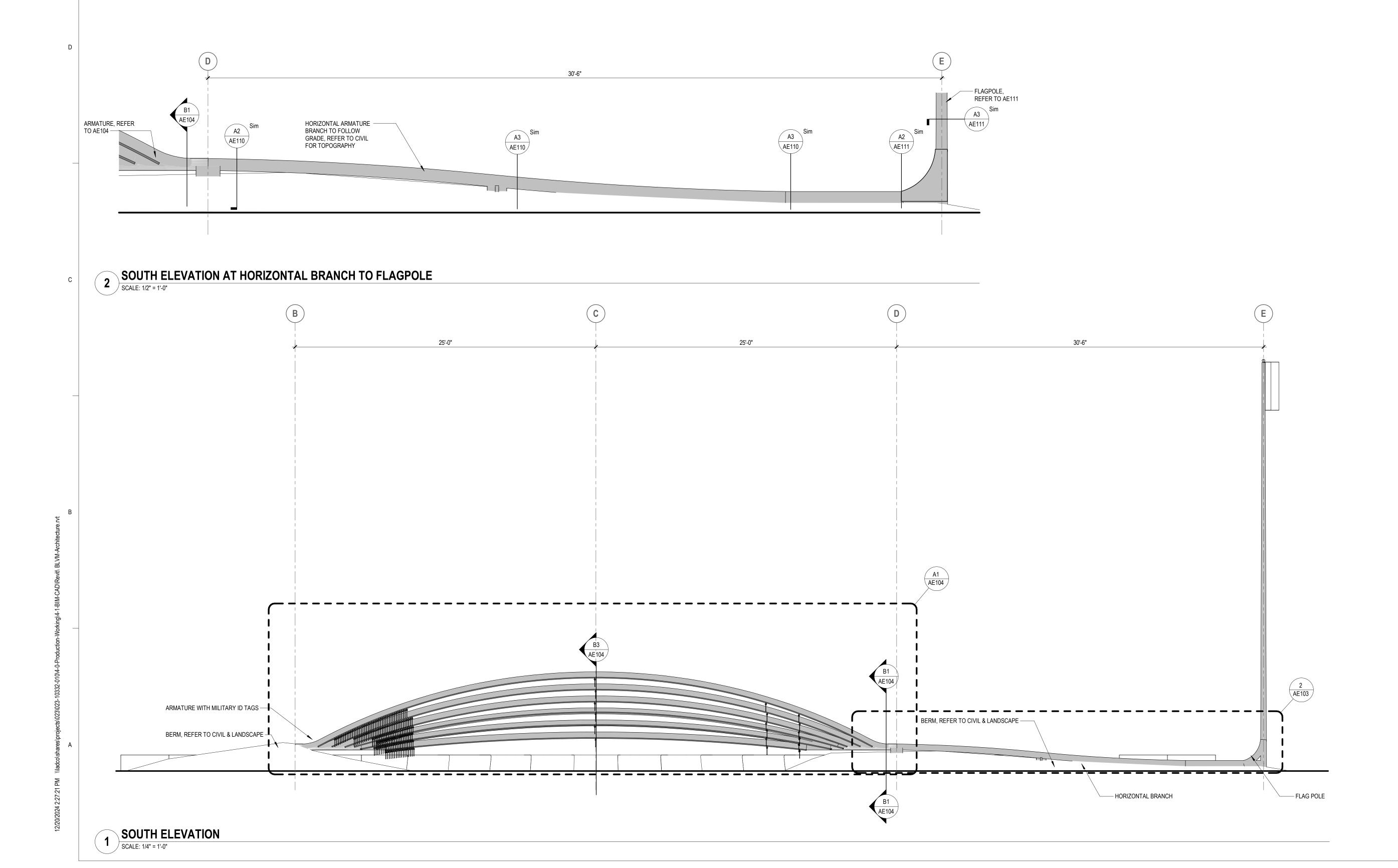
NOT FOR CONSTRUCTION

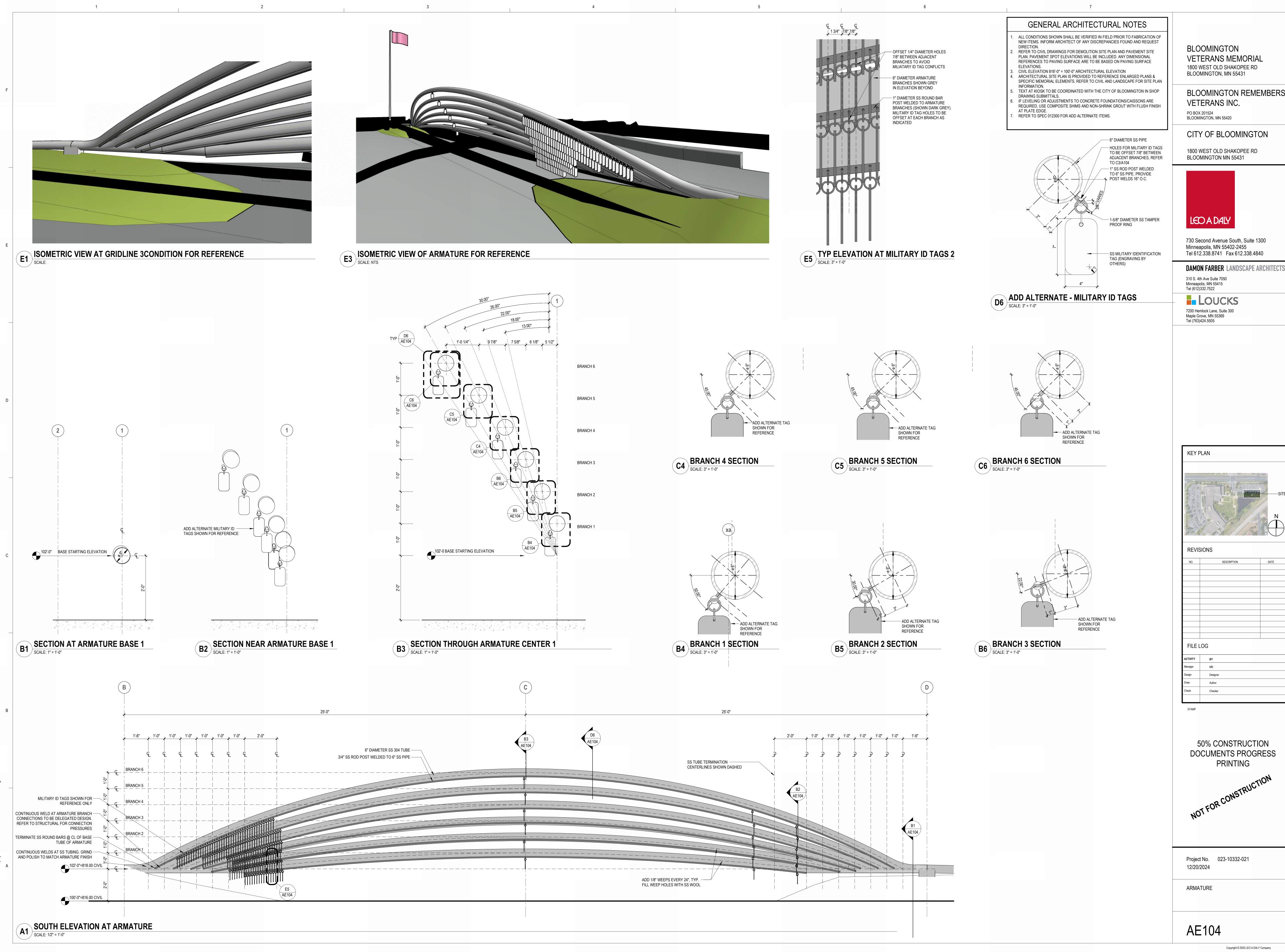
Project No. 023-10332-021 12/20/2024

ELEVATIONS

AE103

3





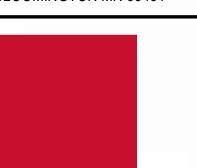
BLOOMINGTON

VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

KEY PLAN

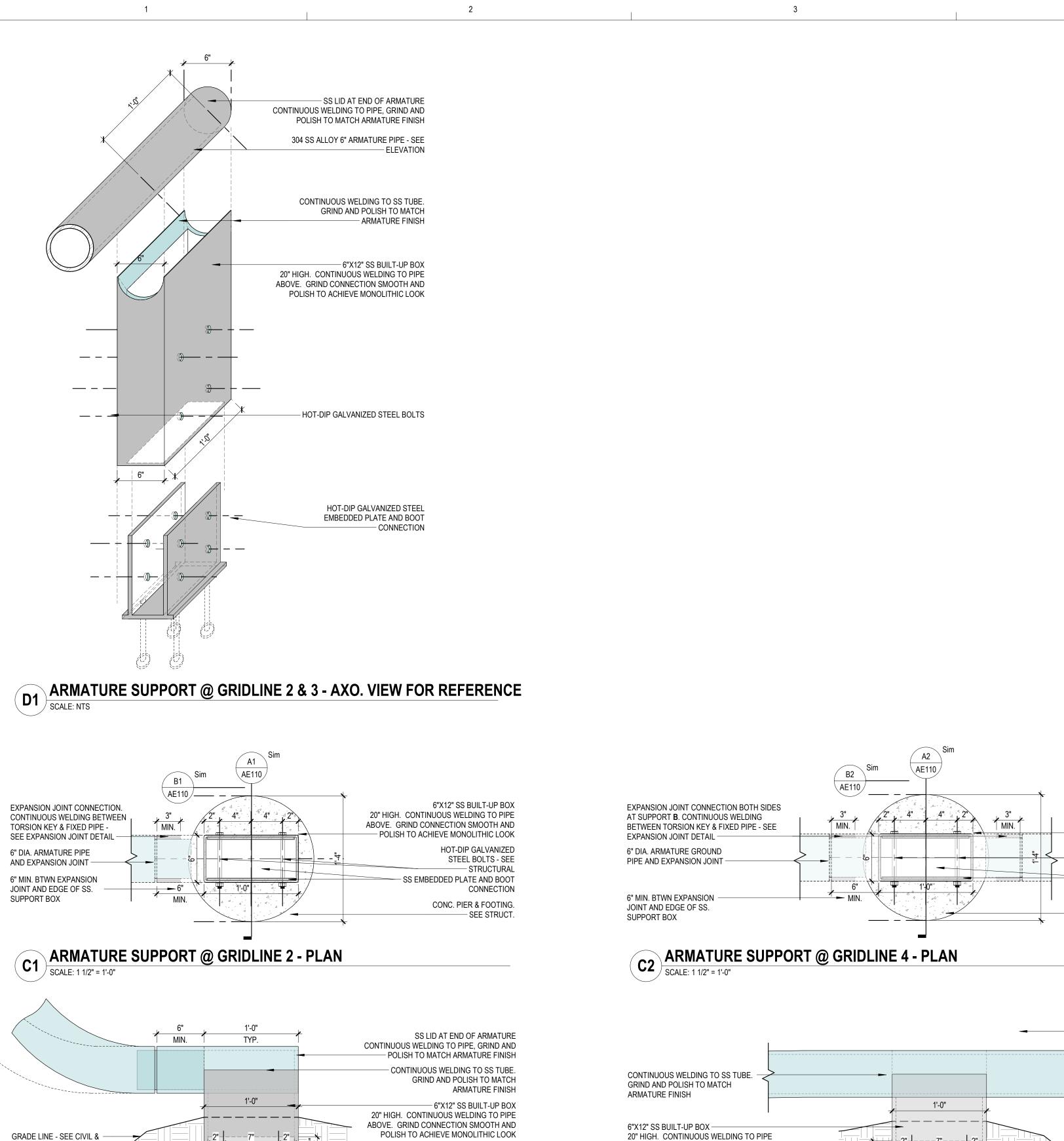


REVISIONS

50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING



Project No. 023-10332-021



HOT-DIP GALVANIZED STEEL

EMBEDDED PLATE AND BOOT

SS LID AT END OF ARMATURE

GRIND AND POLISH TO MATCH

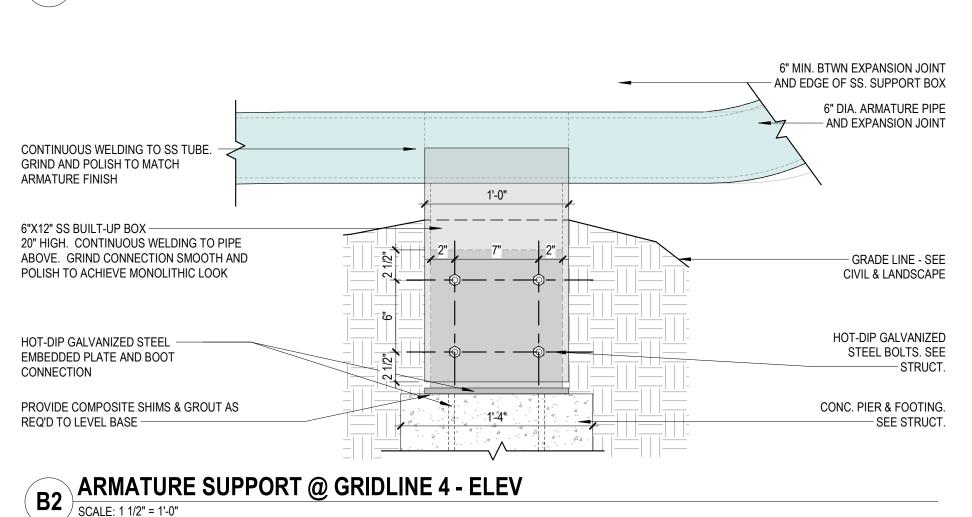
ARMATURE FINISH

CONTINUOUS WELDING TO PIPE, GRIND AND

POLISH TO MATCH ARMATURE FINISH

- CONTINUOUS WELDING TO SS TUBE.

- CONNECTION



6"X12" SS BUILT-UP BOX

— SEE STRUCTURAL

CONC. PIER & FOOTING.

CONNECTION

— SEE STRUCT.

20" HIGH. CONTINUOUS WELDING TO PIPE

- POLISH TO ACHIEVE MONOLITHIC LOOK

HOT DIP-GALVANIZED STEEL BOLTS -

- SS EMBEDDED PLATE AND BOOT

ABOVE. GRIND CONNECTION SMOOTH AND

304 SS ALLOY 6" ARMATURE PIPE - SEE ELEVATION — - CONTINUOUS WELDING TO SS TUBE. GRIND AND POLISH TO MATCH ARMATURE FINISH SEE CIVIL FOR BERM ELEVATIONS — 6"X12" SS BUILT-UP BOX 20" HIGH. CONTINUOUS WELDING TO PIPE ABOVE. GRIND CONNECTION SMOOTH AND POLISH TO ACHIEVE MONOLITHIC LOOK HOT-DIP GALVANIZED STEEL SS EMBEDDED PLATE AND BOOT CONNECTION, REFER TO STRUCT. HSS & FOOTING. REFER -TO STRUCT.

ARMATURE SUPPORT @GRIDLINE 4 - SECTION

SCALE: 1 1/2" = 1'-0"

GENERAL ARCHITECTURAL NOTES

ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL

REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE ELEVATIONS. CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS & SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN

TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP DRAWING SUBMITTALS. IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH

AT PLATE EDGE. REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD

BLOOMINGTON MN 55431

LEO A DALY

730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455

Tel 612.338.8741 Fax 612.338.4840 DAMON FARBER LANDSCAPE ARCHITECTS

310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369

Tel (763)424.5505

HORIZONTAL BRANCH SUPPORT BETWEEN GRIDLINE 4-5 - AXO. VIEW FOR REFERENCE SCALE: NTS CONTINUOUS WELDING TO SS TUBE. GRIND AND POLISH TO MATCH — ARMATURE FINISH 6" DIA. ARMATURE GROUND PIPE AND EXPANSION JOINT -SS EMBEDDED PLATE BELOW OR -SS CRUCIFORM CONNECTION: 1/2" X 6" X 12" X BOLTED TO EXPANSION BOLT HEIGHT - CONTINUOUS WELDING TO STEEL ORTHREADED STEEL ROD PLATE BELOW - CUT TOP OF SHORT SIDE TO 6" DIA. TO SNUG FIT PIPE ABOVE - CONTINUOUSLY WELD TO PIPE ABOVE, GRIND & POLISH TO MATCH ARMATURE FINISH

304 SS ALLOY 6" ARMATURE PIPE - SEE

CONTINUOUS WELDING TO SS TUBE. GRIND AND POLISH TO MATCH

- SS CRUCIFORM CONNECTION: 1/2" X 6" X 12" X

HEIGHT - CONTINUOUS WELDING TO STEEL PLATE

BELOW - CUT TOP OF SHORT SIDE TO 6" DIA. TO

— SS STEEL EMBEDDED BELOW OR FACE PLATE BOLTED TO EXPANSION BOLT OR

THREADED STEEL ROD

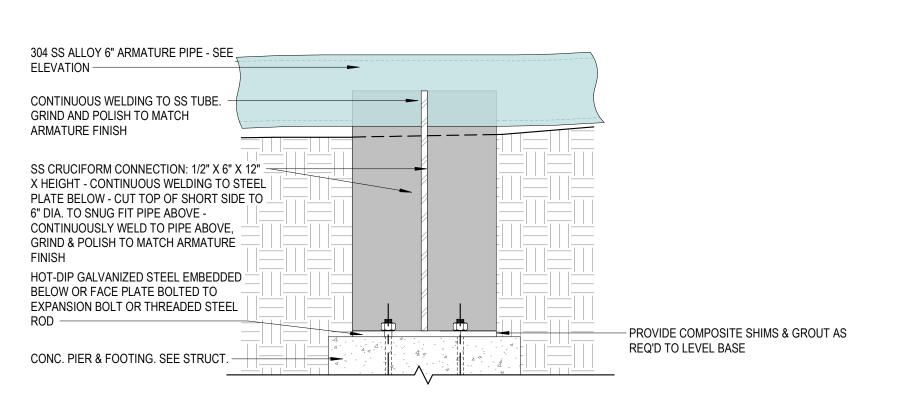
SNUG FIT PIPE ABOVE - CONTINUOUSLY WELD TO

PIPE ABOVE, GRIND & POLISH TO MATCH ARMATURE

— ELEVATION

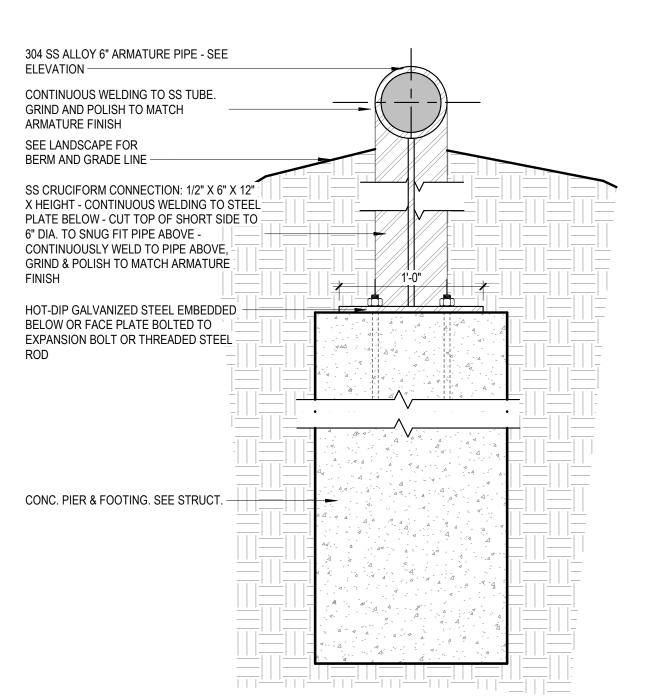
— ARMATURE FINISH

HORIZONTAL BRANCH SUPPORT BETWEEN GRIDLINE 4-5 - PLAN



ARMATURE SUPPORT BETWEEN GRIDLINE 4-5 - ELEV

SCALE: 1 1/2" = 1'-0"



HORIZ. BRANCH SUPPORT BETWEEN GRIDLINE 4 -5 - SECTION

SCALE: 1 1/2" = 1'-0"

AE110

KEY PLAN REVISIONS DESCRIPTION DATE

50% CONSTRUCTION **DOCUMENTS PROGRESS**

PRINTING

FILE LOG

Checker

Project No. 023-10332-021 12/20/2024

ARMATURE SUPPORT DETAILS

ARMATURE SUPPORT @ GRIDLINE 2 - SECTION

SCALE: 1 1/2" = 1'-0"

SEE STRUCT.

B1 ARMATURE SUPPORT @ GRIDLINE 2 - ELEV

SCALE: 1 1/2" = 1'-0"

LANDSCAPE

BOLTS ---

HOT-DIP GALVANIZED STEEL

PROVIDE COMPOSITE SHIMS & -

CONC. PIER & FOOTING.

304 SS ALLOY 6" ARMATURE

PIPE - SEE ELEVATION —

SEE CIVIL FOR BERM

6"X12" SS BUILT-UP BOX

HOT-DIP GALVANIZED STEEL

BOOT CONNECTION

SEE STRUCT.

CONC. PIER & FOOTING.

SS STEEL EMBEDDED PLATE AND -

20" HIGH. CONTINUOUS WELDING TO PIPE

ABOVE. GRIND CONNECTION SMOOTH AND

POLISH TO ACHIEVE MONOLITHIC LOOK

ELEVATIONS —

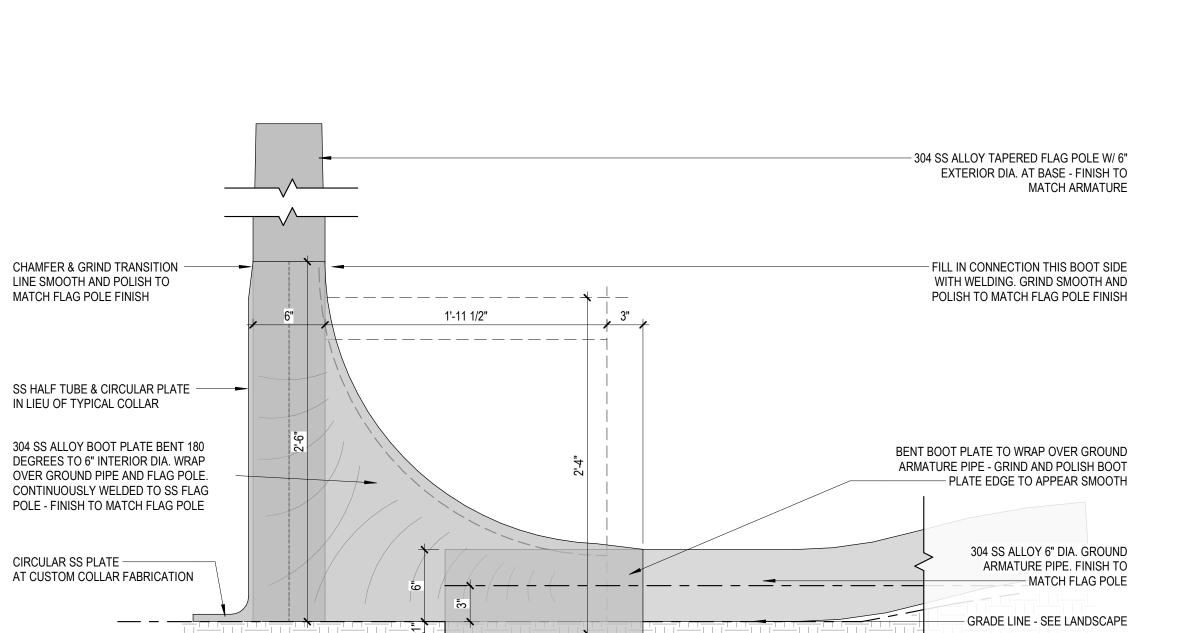
SEE STRUCT.

GROUT AS REQ'D TO LEVEL BASE

SS LIGHT HOUSING. FINISH TO MATCH FLAG POLE -FLAG POLE DOWNLIGHT TO ROTATE WITH HALYARD, - REFER TO ELECTRICAL SS REVOLVING TRUCK, SHEAVE, SPINDLE & BEARING -304 SS ALLOY TAPERED FLAG POLE W/ 3" EXTERIOR DIA. AT TOP - FINISH TO MATCH ARMATURE INTERIOR STEEL CABLE HALYARD -(2) SS SWIVEL SNAPHOOKS — SS COUNTER WEIGHT & BEADED -RETAINER RING INTERNAL WIRING TO -POLE TOP LIGHT FIXTURE SNUG FIT INTERNAL SPLICING - -PRECISION TAPERED HAIRLINE JOINT SS ACCESS PANEL W/ LOCK. - 304 SS ALLOY TAPERED FLAG POLE W/ 6" LOCATE ON SOUTH SIDE OF EXTERIOR DIA. AT BASE. FINISH TO MATCH 1'-11 1/2" CHAMFER & GRIND TRANSITION LINE SMOOTH AND POLISH TO MATCH FLAG POLE FINISH 304 SS ALLOY BOOT PLATE BENT 180 DEGREES TO 6" INTERIOR DIA. WRAP OVER GROUND PIPE AND FLAG POLE. CONTINUOUSLY WELDED TO SS FLAG POLE - FINISH TO MATCH FLAG POLE PROVIDE RIGID STEEL CONDUIT AND ELBOW POURED IN CONCRETE PIER. TRANSITION TO SCH, 40 PVC ABOVE 24" BOOT CONNECTION TO WRAP OVER BENT SS PLATE - GRIND & POLISH THE GROUND SS PIPE - GRIND CONNECTION TO MATCH POLE — SMOOTH, REFER TO STRUCTURAL 2" SEALANT OR WATER PROOF -- STOP GROUND PIPE 1" MIN. FROM FLAG POLE FOUNDATION - FILL W/ EXPANSIVE COMPOUND MATERIAL STEEL WEDGES ON TOP -EXPANSIVE MATERIAL JOINT - COMPACTED SAND FILL OR AT PIER PERIMETER TYP. AS REQ. PER STRUCTURAL HOT-DIP GALVANIZED STEEL SLEEVE - LEVEL & CENTER IN INSERT FLAG POLE -INSIDE STEEL SLEEVE CONCRETE PIER & — FOOTING - SEE STRUCT. TAMPED W/ CLEAN DRY SAND -MIN. (3) STEEL CENTERING WEDGES ON BOTTOM STEEL BASE PLATE CONTINUOUSLY -- WEATHER SEAL ALL WELDED TO SLEEVE CONDUIT PENETRATIONS METAL WIRE CONDUIT -BY ELECTRICAL STEEL PLATE WELDED TO SPIKE ROD 3/4" DIA. STEEL LIGHTNING SPIKE —

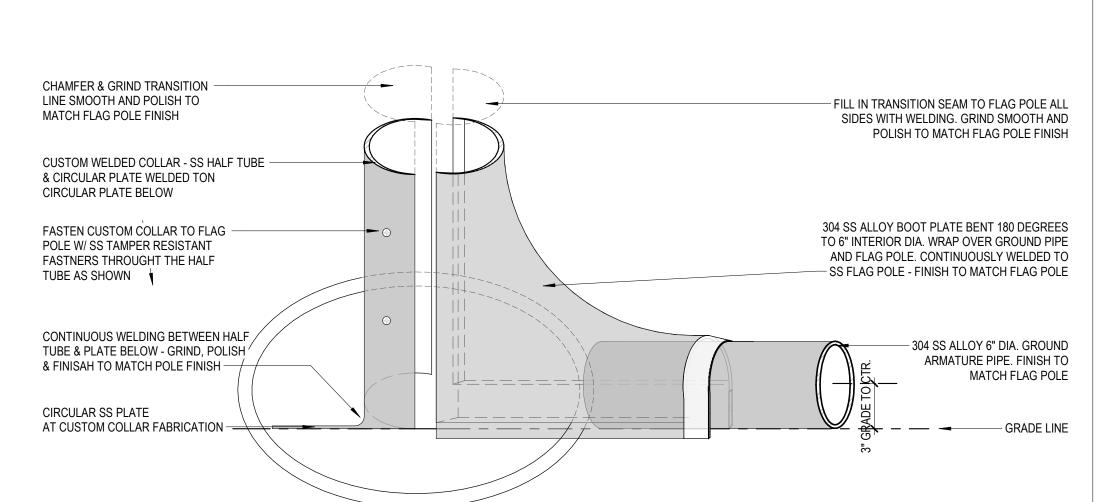
FLAG POLE - TALL SIDE SECTION DETAIL

SCALE: 1 1/2" = 1'-0"



FLAG POLE - SECTION DETAIL AT BOOT CONNECTION

SCALE: 1 1/2" = 1'-0"



- 304 SS ALLOY TAPERED FLAG POLE W/ 6" EXTERIOR DIA. AT BASE - FINISH TO MATCH ARMATURE FILL IN CONNECTION SEAM TO FLAG POLE -ALL SIDES WITH WELDING. GRIND SMOOTH AND POLISH TO MATCH FLAG POLE FINISH 304 SS ALLOY BOOT PLATE -BENT 180 DEGREES TO 6" INTERIOR DIA. WRAP OVER GROUND PIPE AND FLAG POLE. - EXPANSIVE MATERIAL JOINT CONTINUOUSLY WELDED TO SS FLAG POLE -AT PIER PERIMETER TYP. FINISH TO MATCH FLAG POLE 304 SS ALLOY BOOT PLATE — BENT 180 DEGREES TO 6" INTERIOR DIA. WRAP OVER GROUND PIPE AND FLAG POLE. 304 SS ALLOY 6" DIA. GROUND -CONTINUOUSLY WELDED TO SS FLAG POLE -ARMATURE PIPE. FINISH TO - CONTINUOUS WELDING BETWEEN HALF FINISH TO MATCH FLAG POLE Sim TUBE & PLATE AT BOT. - GRIND, POLISH & MATCH FLAG POLE FINISAH TO MATCH POLE FINISH SS HALF TUBE & CIRCULAR PLATE IN LIEU OF TYPICAL COLLAR CONCEAL SEAM BETWEEN SS BOOT & BOOT CONNECTION TO WRAP OVER — SIDE WALK CONCRETE & FILL W/ - CIRCULAR SS PLATE 304 SS ALLOY 6" DIA. GROUND THE GOUND SS PIPE - GRIND CONNECTION EXPANSIVE MATERIAL TYP. AT CUSTOM COLLAR FABRICATION ARMATURE PIPE. FINISH TO SMOOTH - DO WE NEED KORALATH HERE? — MATCH FLAG POLE - FASTEN CUSTOM COLLAR TO FLAG POLE W/ SS TAMPER RESISTANT FASTNERS THROUGHT THE HALF EXTEND STEEL BOOT EDGE 1" EXPANSIVE MATERIAL STOP GROUND PIPE 1" MIN. FROM FLAG POLE TUBE AS SHOWN MIN. BELOW GRADE JOINT AT BOTH SIDES FOUNDATION - FILL W/ EXPANIVE MATERIAL OF C CHANNEL A2 AE111 FLAG POLE INSERT BEYOND -

FLAG POLE - PLAN DETAIL

SCALE: 1 1/2" = 1'-0"

BLOOMINGTON VETERANS MEMORIAL

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

GENERAL ARCHITECTURAL NOTES

ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST

REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL

REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE

ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS & SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN

TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP

REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH

IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE

CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION

REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

ELEVATIONS.

DRAWING SUBMITTALS.

AT PLATE EDGE.

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD **BLOOMINGTON MN 55431**

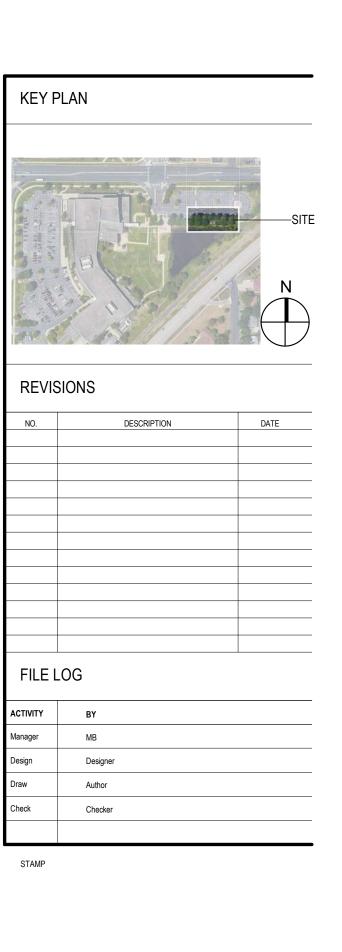


730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415

Tel (612)332.7522

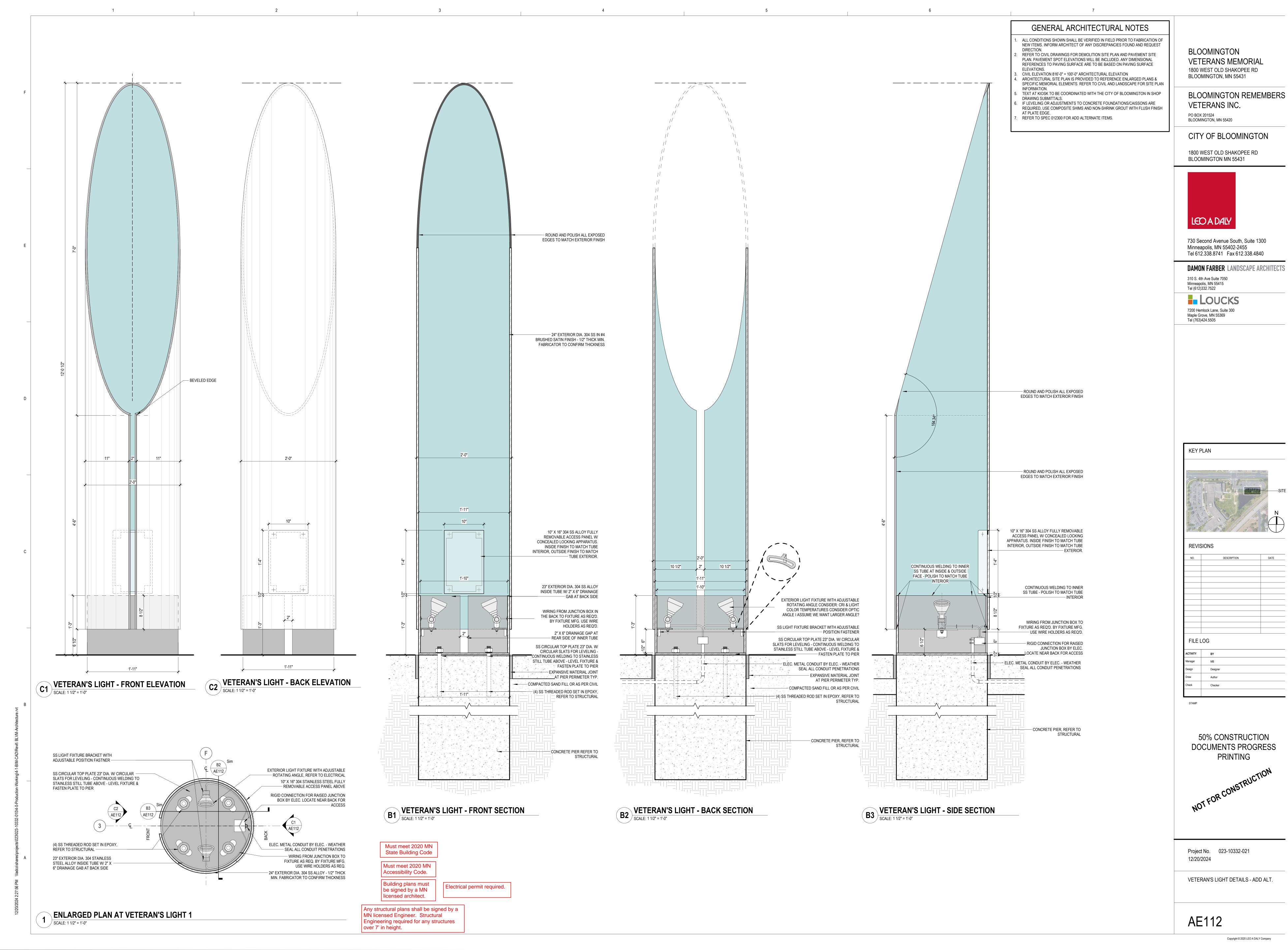
7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

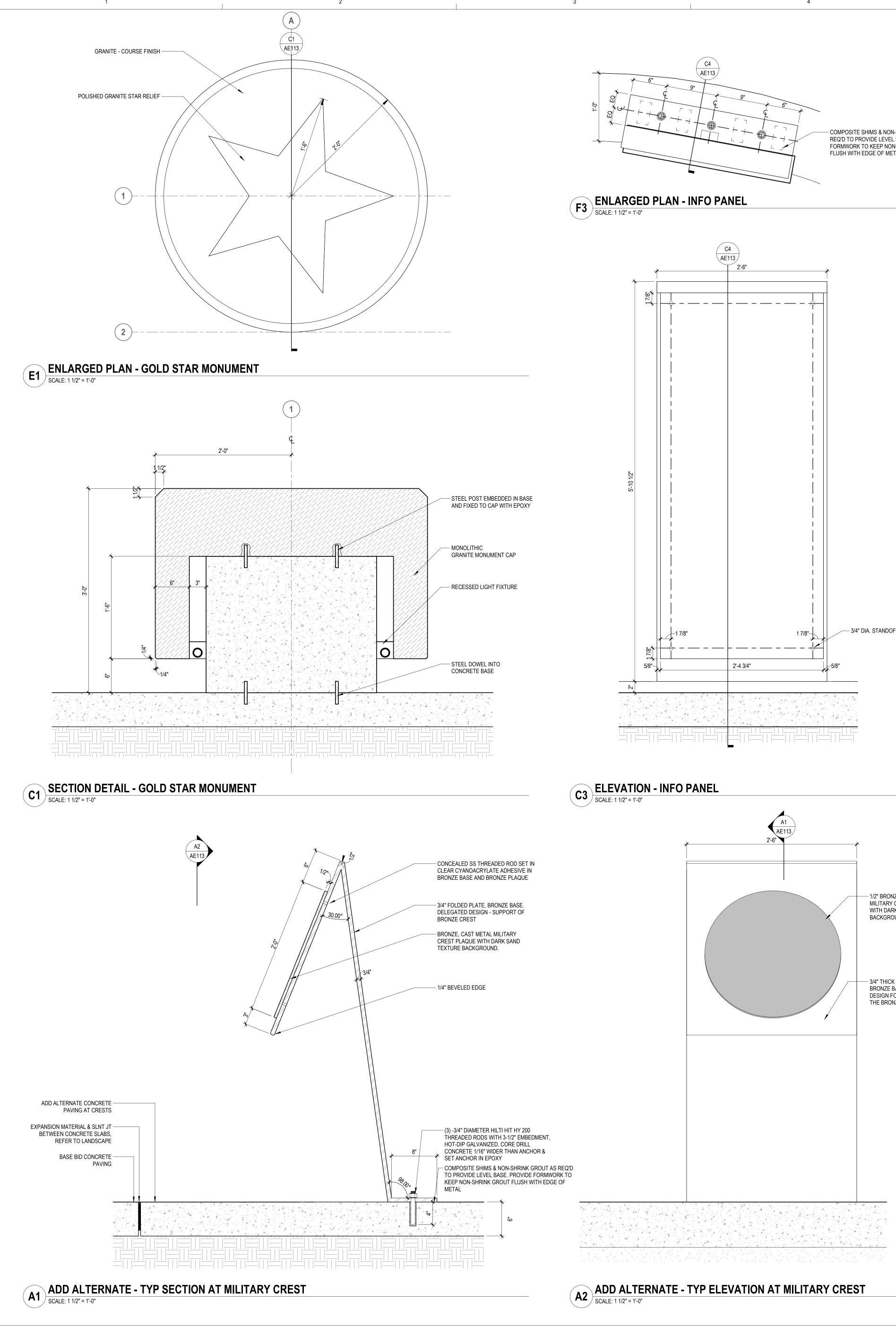


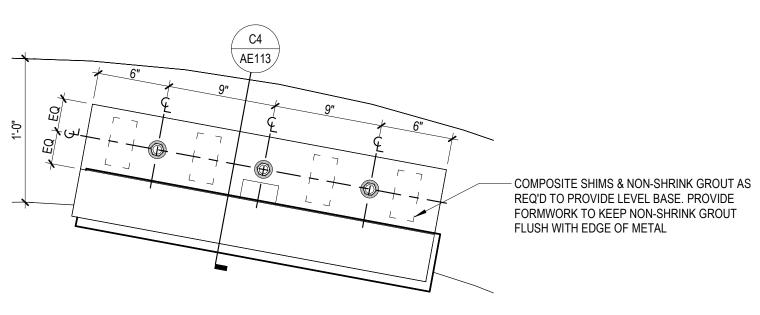
Project No. 023-10332-021 12/20/2024

FLAGPOLE DETAILS

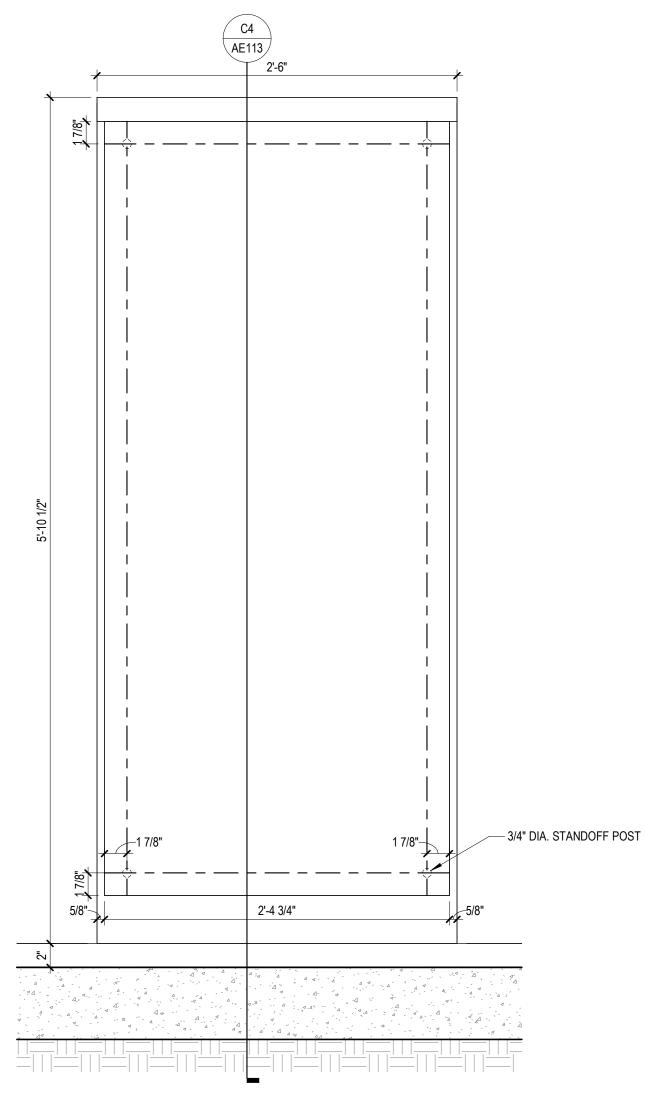
AE111

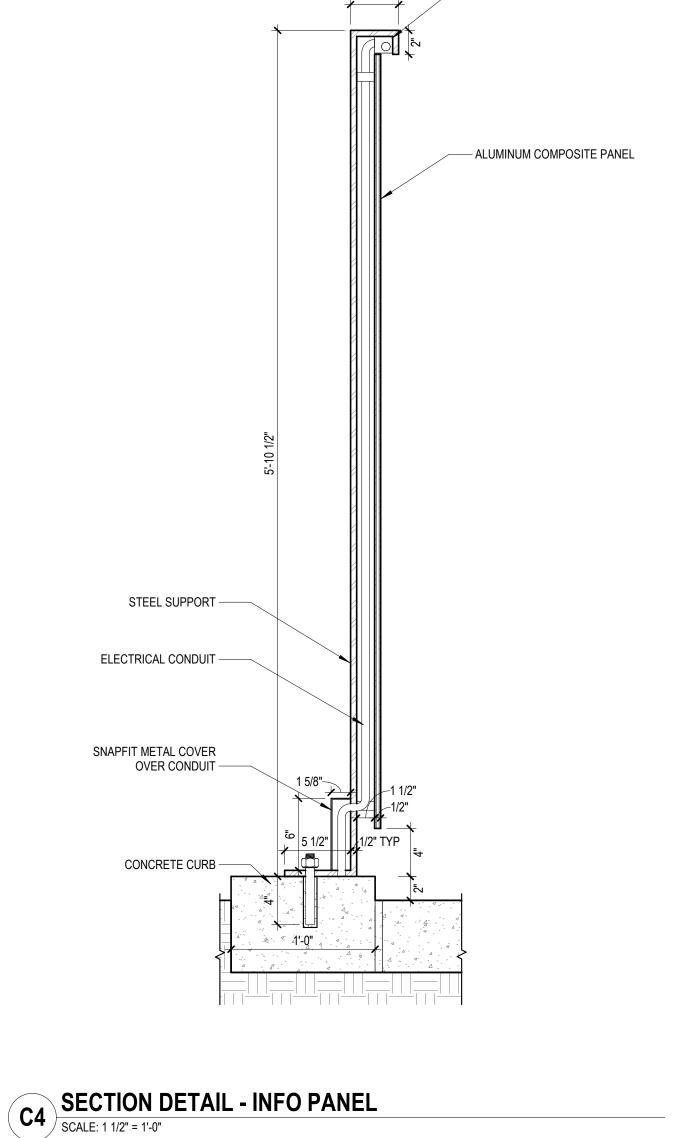




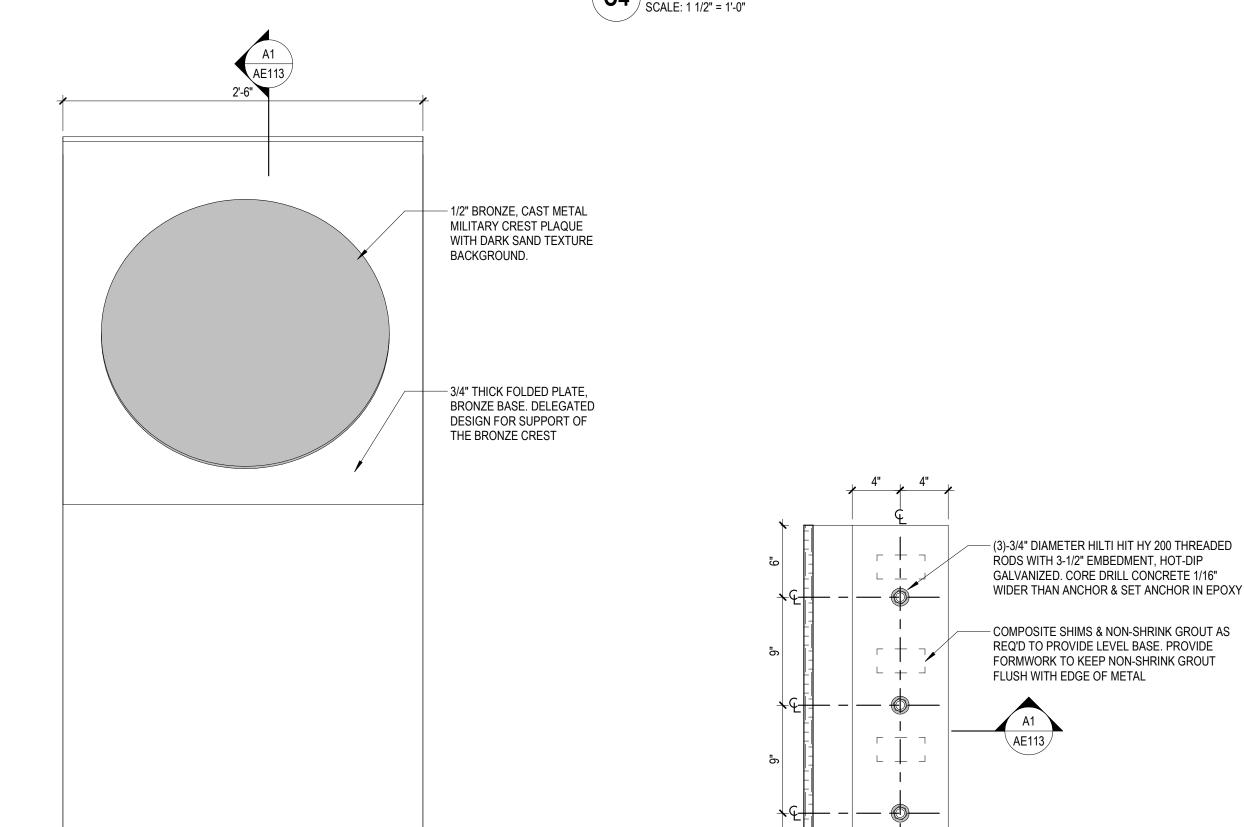


F3 ENLARGED PLAN - INFO PANEL SCALE: 1 1/2" = 1'-0"





— LINEAR LIGHT FIXTURE



A3 SCALE: 1 1/2" = 1'-0"









CREST IMAGES FOR REFERENCE ONLY,

IMAGE FILES MUST BE COORDINATED

WITH SIGNAGE MANUFACTURER

CREST IMAGES FOR REFERENCE
SCALE: NTS

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

PO BOX 201524 BLOOMINGTON, MN 55420

GENERAL ARCHITECTURAL NOTES

ALL CONDITIONS SHOWN SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION OF NEW ITEMS. INFORM ARCHITECT OF ANY DISCREPANCIES FOUND AND REQUEST

REFER TO CIVIL DRAWINGS FOR DEMOLITION SITE PLAN AND PAVEMENT SITE PLAN. PAVEMENT SPOT ELEVATIONS WILL BE INCLUDED. ANY DIMENSIONAL

ARCHITECTURAL SITE PLAN IS PROVIDED TO REFERENCE ENLARGED PLANS & SPECIFIC MEMORIAL ELEMENTS. REFER TO CIVIL AND LANDSCAPE FOR SITE PLAN

TEXT AT KIOSK TO BE COORDINATED WITH THE CITY OF BLOOMINGTON IN SHOP

REQUIRED, USE COMPOSITE SHIMS AND NON-SHRINK GROUT WITH FLUSH FINISH

IF LEVELING OR ADJUSTMENTS TO CONCRETE FOUNDATIONS/CAISSONS ARE

REFERENCES TO PAVING SURFACE ARE TO BE BASED ON PAVING SURFACE

CIVIL ELEVATION 816'-0" = 100'-0" ARCHITECTURAL ELEVATION

REFER TO SPEC 012300 FOR ADD ALTERNATE ITEMS.

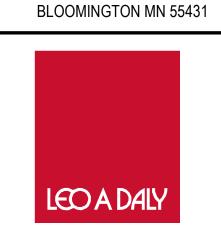
ELEVATIONS.

DRAWING SUBMITTALS.

AT PLATE EDGE.

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD



730 Second Avenue South, Suite 1300 Minneapolis, MN 55402-2455 Tel 612.338.8741 Fax 612.338.4840

DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050

Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

Minneapolis, MN 55415

KEY PLAN

REVISIONS DESCRIPTION FILE LOG

50% CONSTRUCTION

DOCUMENTS PROGRESS PRINTING

Project No. 023-10332-021 12/20/2024

DETAILS

AE113

	ONE-LINE DIAGRAM
SYMBOL	DESCRIPTION
) L	CAPACITOR
<u> </u>	
	CIRCUIT BREAKER
<u> </u>	MOTOR STARTER, # INDICATES NEMA STARTER SIZE
CT Y	CURRENT TRANSFORMER
PT \	POTENTIAL TRANSFORMER
≪′`≫	DRAWOUT CIRCUIT BREAKER
<u> </u>	FUSE
<u>+ ı</u>	GROUND CONNECTION
<u> </u>	GENERATOR
<u></u>	GROUND FAULT PROTECTOR
K	KIRK KEY INTERLOCK
<u> </u>	LIGHTNING ARRESTOR
—————————————————————————————————————	MAGNETIC MOTOR STARTER
<u>(M)</u>	METER (AS SPECIFIED)
	SWITCH
~ °	TRANSFER SWITCH, AUTOMATIC UON
	ATS BYPASS
<u>‡</u> mm	TRANSFORMER
[3 CT }	SOLID-STATE MULTI-FUNCTION METER
AS—A	AMMETER AND PHASE SELECTOR SWITCH
VS-V	VOLTMETER AND PHASE SELECTOR SWITCH
X-X	PANELBOARD
X-X	DISTRIBUTION PANELBOARD
X-X	SWITCHBOARD
PWCP	PREWIRED CONTROL PANEL
SPD	SURGE PROTECTIVE DEVICE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
	DISCONNECT SWITCH
###	3 WIRE FEEDER TAG
###	4 WIRE FEEDER TAG
	EMERGENCY POWER FEEDER

	LIGHTING EQUIPMENT
SYMBOL	DESCRIPTION
0	STANDARD SYMBOL INDICATES LUMINAIRE CONNECTED TO NORMAL POWER BRANCH
	FULL HATCHED SYMBOL INDICATES LUMINAIRE CONNECTED TO CODE REQUIRED EMERGENCY / LIFE SAFETY BRANCH
	HALF-SHADED SYMBOL INDICATES LUMINAIRE CONNECTED TO OPTIONAL STANDBY / CRITICAL / EQUIPMENT BRANCH
	LUMINAIRE LABELING
O 1 a 72"	A1 = LUMINAIRE TYPE 1 = CIRCUIT NUMBER a = CONTROL ZONE 72" = MOUNTING HEIGHT = DIRECTIONAL LIGHTING
0	RECTANGULAR LUMINAIRE
0	ROUND LUMINAIRE
	RECTANGULAR LUMINAIRE
Q	WALL MOUNTED LUMINAIRE
	LINEAR LUMINAIRE
	WALL MOUNTED LINEAR LUMINAIRE
$\overline{\vdash}$	STRIP LUMINAIRE
Щ	WALL MOUNTED LUMINAIRE
	UNDER CABINET LUMINAIRE
===	COVE LIGHTING
$\frac{\nabla \ \nabla \ \nabla}{\Delta \ \Delta}$	TRACK LIGHTING, QUANTITY AND ORIENTATION AS SHOWN
+	SPECIALTY LUMINAIRE
⊗ ↓ H⊗ ‡	EXIT SIGN, CEILING OR WALL MOUNT
	EMERGENCY LIGHTING UNIT
	REMOTE DRIVER ENCLOSURE
	POLE MOUNTED LIGHTING (HEADS AS INDICATED)
	POLE MOUNTED LIGHTING MULTI-HEAD
ф	POLE MOUNTED LIGHTING POST TOP HEAD
Output	BOLLARD LUMINAIRE
8	FLOOD LIGHTING
0	IN-GRADE LIGHTING
	SWITCHING AND CONTROL OUTLETS
	SWITCHING AND CONTROL COTLETS

P = INTERNAL PILOT LIGHT

TE = THERMAL ELEMENT

TS = TIME SWITCH

8	FLOOD LIGHTING	
0	IN-GRADE LIGHTING	
	SWITCHING AND CONTROL OUTLETS	
SYMBOL	DESCRIPTION	
\$	SINGLE POLE, TOGGLE	
\$ \$	TWO SINGLE POLE, TOGGLE, INDICATES BI-LEVEL SWITCHING	
H● ^{S#} #1	LOW VOLTAGE LIGHTING CONTROL SWITCH S# = 'S#' INDICATES SWITCH ID, SEE LIGHTING CONTROL SWITCH SCHEDULES FOR ADDITIONAL INFORMATION #1 = '#1' INDICATES CONTROL AREA ID, SEE LIGHTING CONTROL AREA PLANS FOR ADDITIONAL INFORMATION	
OS)	DAYLIGHT SENSOR, ON CEILING	
<u>(3)</u>	OCCUPANT SENSOR, ON CEILING	-
(S) (C) (C) (D) (D)	PHOTOCELL SENSOR	
(CR)	LIGHTING CONTROL RELAY CONSOLIDATION LOCATION	
PS	PARTITION SENSOR, ON CEILING	
HDS)	DAYLIGHT SENSOR, ON WALL	
ЮЗ	OCCUPANT SENSOR, ON WALL	
I PO	PHOTOCELL SENSOR, ON WALL	
XXX	LIGHTING CONTROL TAG - SEE LIGHTING CONTROL SEQUENCE OF OPERATION SCHEDULE	
	SWITCH LABELING	
\$ #	a = INDICATES LUMINAIRES CONTROLLED BY SWITCH # = INDICATES SWITCH TYPE AS BELOW:	
= DOUBLE POLE, SINGLE THROW = THREE WAY = FOUR WAY = DIMMER = INTERNAL PILOT LIGHT S = TIME SWITCH E = THERMAL ELEMENT K = KEY OPERATED M = MOTOR RATED MC = MOMENTARY CONTACT O = OCCUPANT SENSOR T = TIMER LV = LOW VOLTAGE		

		POWER OUTLETS
	SYMBOL	DESCRIPTION
ОТО	-	DUPLEX RECEPTACLE
	-	DUPLEX RECEPTACLE, EMERGENCY POWER
CTED	#	DUPLEX RECEPTACLE, GFCI DEVICE
CH	===	DUPLEX RECEPTACLE, EMERGENCY POWER, GFCI DEVICE
TED	\ominus	DUPLEX RECEPTACLE, FLUSH MOUNTED ON CEILING
CH		DUPLEX RECEPTACLE, FLUSH MOUNTED IN FLOOR
	-	DOUBLE DUPLEX RECEPTACLE
	=	DOUBLE DUPLEX RECEPTACLE, EMERGENCY POWER
	#	DOUBLE DUPLEX RECEPTACLE, GFCI DEVICE
	=#	DOUBLE DUPLEX RECEPTACLE, EMERGENCY POWER, GFCI DEVICE
	#	DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED ON CEILING
		DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN FLOOR
		DUPLEX RECEPTACLE, HORIZONTAL MOUNT
	$\overline{}$	SINGLE RECEPTACLE
	-	SINGLE RECEPTACLE, EMERGENCY POWER
	\multimap	SPECIAL RECEPTACLE, AS NOTED
	-	SPECIAL RECEPTACLE, AS NOTED, EMERGENCY POWER
		DEAD-FRONT GFCI DEVICE - SEE ELECTRICAL SYMBOL LEGEND NOTES FOR DEVICE LABELING INSTRUCTIONS, 46" A.F.F. UON
	-	DEAD-FRONT GFCI DEVICE, EMERGENCY POWER - SEE ELECTRICAL SYMBOL LEGEND NOTE FOR DEVICE LABELING INSTRUCTIONS, 46" A.F.F. UON
WN	H©	WALL CLOCK RECEPTACLE, 90" A.F.F. UON
	HAV #	AV WALL BOX, SEE SCHEDULE FOR CONFIGURATION
	FB #	FLOOR BOX, SEE SCHEDULE FOR CONFIGURATION
	H• H•• H•••	PUSHBUTTON, NUMBER OF BUTTONS AS SHOWN

MULTI-OUTLET ASSEMBLY, AS NOTED

WIRING IDENTIFICATION

DESCRIPTION

SYMBOL

POWER DISTRIBUTION

LETTER INDICATES PANEL, NUMBERS INDICATE CIRCUITS

		CONDUIT CONCEALED IN CEILING OR WALL
	- • • -	CIRCUIT ZONE BOUNDARY
	NORMAL CIR CRITICAL CIR LIFE SAFETY C	CUIT CIRCUIT HOMERUN TAG(S) PER ZONE
		CONDUIT EXPOSED
NG		CONDUIT CONCEALED IN FLOOR OR BELOW GRADE
	*	CONDUIT SEAL
	•	CONDUIT DOWNWARD
	0	CONDUIT UPWARD
N	\sim	CONDUIT CONTINUATION
	5	CONDUIT END CAP
	——CDB——	CONDUIT IN DUCTBANK
		SURFACE MOUNTED BRANCH PANELBOARD
		FLUSH MOUNTED BRANCH PANELBOARD
		DISTRIBUTION PANEL
		SWITCHBOARD
		MOTOR CONTROL CENTER
		ELECTRICAL CABINET OR SPECIAL PURPOSE ENCLOSURE
	РВ	PULL BOX
	МН	MANHOLE
	НН	HANDHOLE
	ATS	AUTOMATIC TRANSFER SWITCH
	SPD	SURGE PROTECTION DEVICE
	VFD	VARIABLE FREQUENCY DEVICE
	\bigcirc	MOTOR
		NON-FUSED DISCONNECT SWITCH
		FUSED DISCONNECT SWITCH
		INDIVIDUAL MOLDED CASE CIRCUIT BREAKER IN ENCLOSU
		MAGNETIC MOTOR STARTER
	X ^L	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
	⊣	JUNCTION BOX, WALL MOUNTED
	<u></u>	JUNCTION BOX, FLUSH MOUNTED ON CEILING
	J	JUNCTION BOX, FLUSH MOUNTED IN FLOOR
	R	RELAY
		RECESSED FLOOR DUCT, TYPE/SIZE AS INDICATED ON PLA
	■	DOLE MOUNTED TRANSFORMED

POLE MOUNTED TRANSFORMER

SYMBOL DESCRIPTION

3 PHASE POLE MOUNTED TRANSFORMERS

NURSE CALL

PATIENT BED SINGLE-STATION, 46" A.F.F. UON

EMERGENCY PULL CORD STATION, 46" A.F.F. UON

PATIENT MONITORING OUTLET, 46" A.F.F. UON

CORRIDOR DOME STATUS LIGHT, ON CEILING CORRIDOR ZONE STATUS LIGHT, ON CEILING

CORRIDOR DOME STATUS LIGHT, 90" A.F.F. UON

CORRIDOR ZONE STATUS LIGHT, 90" A.F.F. UON

PATIENT BED DUAL-STATION, 46" A.F.F. UON

CODE BLUE STATION, 46" A.F.F. UON

STAFF STATION, 46" A.F.F. UON NURSE CALL CONTROL PANEL

MASTER STATION, AT NURSE STATION

ALL SYMBOLS INDICATED ARE NOT NECESSARILY USED ON PLANS.
FOR POWER AND SYSTEMS DEVICES, ALL MOUNTING DIMENSIONS
INDICATED ARE TO THE CENTERLINE (CL) OF THE DEVICE AND ABOVE
FINISHED FLOOR (A.F.F.) OR ABOVE FINISHED GRADE (A.F.G.) UNLESS
OTHERWISE NOTED.
FOR WALL MOUNTED LUMINAIRES, MOUNTING DIMENSIONS ARE TO THE
CENTER OF LUMINAIRE AND ABOVE FINISHED FLOOR (A.F.F.) OR ABOVE
FINIOUED ODADE (A E O) LINI EOO OTHEDINIOE NOTED

ELECTRICAL SYMBOL LEGEND NOTES

FINISHED GRADE (A.F.G.) UNLESS OTHERWISE NOTED. FOR SUSPENDED LUMINAIRES, MOUNTING DIMENSIONS ARE TO THE BOTTOM OF LUMINAIRE AND ABOVE FINISHED FLOOR (A.F.F.) OR ABOVE FINISHED GRADE (A.F.G.) UNLESS OTHERWISE NOTED.

SYMBOL DESCRIPTION 44" MOUNTING HEIGHT A.F.F. TO CENTER LINE OF DEVICE MOUNT DEVICE 6" ABOVE COUNTER OR 36" A.F.F. AT WORKSTATIONS CONTROLLED RECEPTACLE - SEE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE CONTROLLED / SPLIT RECEPTACLE - SEE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE D DEDICATED EMERGENCY EX EXPLOSION PROOF, CLASS GROUP AND DIVISION AS NOTED FA UNIT IS CONNECTED TO FIRE ALARM SYSTEM GROUND FAULT CIRCUIT INTERRUPTER Н HOSPITAL GRADE ISOLATED GROUND IG UNSWITCHED NIGHT LIGHT RT RAINTIGHT NEMA TYPE 3R OR EQUIVALENT SWITCHED RECEPTACLE SP SURGE PROTECTED TYPE RECEPTACLE TAMPER-RESISTANT TV TELEVISION CONNECTED TO UPS SYSTEM UON UNLESS OTHERWISE NOTED USB USB CHARGING INCLUDED IN DEVICE WP WEATHERPROOF NEMA TYPE 3 OR EQUIVALENT PTZ PAN, TILT, ZOOM TYPE CAMERA

ROUGH-IN

Α

Α

Α

Α

NA

Α

Α

NA

NA

NA

NA

Α

Α

NA

NA

NA

TERMINATIONS

С

С

NA

С

NA

NA

NA

NA

С

С

С

NA

NA

NA

LOW VOLTAGE SYSTEMS RESPONSIBILITY MATRIX

С

NA

NA

NA

NA

NA

С

С

NA

NA

NA

С

С

NA

С

NA

NA

NA

NA

С

С

С

NA

NA

NA

Α

ACTIVE HEAD-END

NA

NA

NA

SYSTEM

TELEPHONE

DATA

WIRELESS ACCESS POINTS

NURSE CALL SYSTEM

RADIO PAGING SYSTEM

PUBLIC ADDRESS/PAGING SYSTEM

SOUND MASKING SYSTEM

INTERCOM SYSTEM

A/V SYSTEM TELEMETRY/PATIENT MONITORING SYSTEM

INTRUSION DETECTION SYSTEM

DURESS ALARM SYSTEM

DOOR ACCESS CONTROL SYSTEM

CCTV SYSTEM

CATV SYSTEM

DISTRIBUTED ANTENNA SYSTEM

INFANT ABDUCTION SYSTEM

REAL-TIME LOCATING SYSTEM (RTLS)

FIRE ALARM SYSTEM

SUBSCRIPTS

ELECTRICAL GENERAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE APPLICABLE EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE STATE BUILDING CODE, AND ANY OTHER LOCAL, STATE, OR FEDERAL CODES, ORDINANCES, OR AUTHORITATIVE INTERPRETATIONS THAT MAY APPLY. A CERTIFICATE OF FINAL ELECTRICAL INSPECTION SHALL BE OBTAINED BY THE CONTRACTOR AT THE COMPLETION OF THE WORK AND PRESENTED TO BOTH THE OWNER AND THE A/E.
- THE CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE AND SATISFACTORILY OPERATING SYSTEMS AS INDICATED ON THE CONTRACT DOCUMENTS. IT IS NOTED THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENTS OF SYSTEMS AND WORK. CIRCUIT NUMBERS, INTERCONNECTIONS, HOME RUNS, AND SWITCH LEGS HAVE BEEN SHOWN. AND THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND WIRING AS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED. SPECIAL SYSTEMS DEVICES (COMMUNICATIONS, SECURITY, ETC.) HAVE BEEN SHOWN AND THE CONTRACTOR SHALL FURNISH AND INSTALL THE REQUIRED QUANTITIES AND TYPES OF CABLES, CONDUCTORS, RACEWAYS, REMOTE POWER SUPPLIES AND CONNECTIONS, SHIELDING REQUIREMENTS, ETC., AS REQUIRED BY THE SYSTEM MANUFACTURER, THE SPECIFICATIONS, AND ANY APPLICABLE CODES.
- THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH THE WORK OF ALL OTHER TRADES SO AS TO AVOID CONFLICTS. RESOLVE ALL CONFLICTS THROUGH THE A/E PRIOR TO ROUGH-IN. FAILURE TO PROVIDE SUCH COORDINATION PRIOR TO WORK BEING INSTALLED SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR, AND MAY RESULT IN REJECTION OF THE WORK. IT IS THE CONTRACTORS' RESPONSIBILITY TO COORDINATE SUBSTITUTIONS WITH OTHER TRADES.
- ALL MATERIALS SHALL BE NEW, SHALL BE SUITABLE FOR THE APPLICATION INTENDED, AND SHALL BEAR LABELS OR MARKINGS INDICATING THIRD PARTY TESTING LABORATORY LISTINGS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION UNLESS OTHERWISE NOTED.
- 5. VERIFY LOCATIONS OF LUMINAIRES WITH ARCHITECTURAL REFLECTED CEILING PLANS AND THE PLANS OF ALL OTHER TRADES. COORDINATE LUMINAIRE RECESSING DEPTHS WITH MECHANICAL WORK AND COORDINATE ACCORDINGLY.
- 6. ALL WIRING FOR POWER AND LIGHTING SYSTEMS SHALL BE INSTALLED IN METALLIC RACEWAY SYSTEMS UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER, SHALL BE #12AWG MINIMUM, AND SHALL HAVE 600V TYPE THHN/THWN INSULATION, UNLESS OTHERWISE NOTED. ALL RACEWAYS AND CIRCUITS SHALL INCLUDE INSULATED GROUND CONDUCTORS SIZED AS INDICATED OR AS REQUIRED BY THE NEC. MINIMUM RACEWAY SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- WHERE 20A, 120V LIGHTING AND POWER CIRCUIT LENGTHS EXCEED 100 FEET, PROVIDE #10 PHASE AND NEUTRAL CONDUCTORS WITH #10 GND IN MIN. 3/4" CONDUIT. 8. RACEWAYS SHALL NOT CONTAIN MORE THAN THREE PHASE CONDUCTORS. THREE NEUTRALS. AND ONE GROUND CONDUCTOR, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE SEPARATE NEUTRALS FOR ALL 20A/1P CIRCUIT BREAKERS. PROVIDING MULTI-POLE CIRCUIT BREAKERS IN CONJUNCTION WITH SHARED NEUTRALS IN A MULTI-WIRE CIRCUIT IN
- ACCORDANCE WITH NEC 210.4 SHALL REQUIRE APPROVAL BY THE ENGINEER. 9. EXPOSED RACEWAY UP TO 8'-0" ABOVE FINISHED FLOOR OR GRADE ELEVATION, OR ANY RACEWAY SUBJECT TO DAMAGE, SHALL BE RMC. 10. ALL CONNECTIONS FOR ELECTRICALLY POWERED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL AND OWNER SUPPLIED EQUIPMENT, SHALL BE FURNISHED AND INSTALLED. WHERE NOT INDICATED AS BEING PROVIDED WITH THE EQUIPMENT, ALL REQUIRED DISCONNECTING MEANS SHALL BE FURNISHED AND INSTALLED AS A PART OF THE ELECTRICAL WORK. COORDINATE LOCATIONS OF DISCONNECTING AND CONTROLLING MEANS WITH
- SPACE FOR MOTOR CONTROLLERS AND SAFETY SWITCHES SHALL BE PER NEC 110.26 REQUIREMENTS. 11. PROVIDE PULL AND JUNCTION BOXES AS REQUIRED TO MEET CODE AND INSTALLATION REQUIREMENTS. PULL AND JUNCTION BOXES SHALL BE CONCEALED IN FINISHED SPACES AND

EQUIPMENT TO MAINTAIN CODE AND INSTALLATION REQUIREMENTS. DEDICATED WORKING

LOCATIONS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER TRADES SO AS TO AVOID

- 12. ALL CONDUCTORS SHALL BE IDENTIFIED AT EACH JUNCTION BOX, OUTLET BOX, CABINET, PULL BOX, ETC., WITH VINYL SELF-ADHESIVE TAGS INDICATING PANEL AND CIRCUIT NUMBER, CONTROL WIRE IDENTIFICATION NUMBER, OR OTHER APPROPRIATE INFORMATION. ALL PULL
- AND JUNCTION BOXES SHALL BE LABELED AS TO FUNCTION. 13. ALL EQUIPMENT SHALL BE SECURELY FASTENED BY MEANS OF ANCHORS, RODS, HANGERS, SUPPORTS, GUIDES, SWAY BRACES, ETC., TO MAINTAIN ALIGNMENT AND PREVENT EQUIPMENT MOVEMENT.
- 14. ALL PENETRATIONS OF ROOFS, EXTERIOR WALLS, FOUNDATIONS, OR OTHER WATER OR MOISTURE PROOF CONSTRUCTION SHALL BE SEALED WITH APPROPRIATE SEALING FITTINGS OR SEALED CONSTRUCTION TO PREVENT THE INTRODUCTION OF MOISTURE INTO THE BUILDING.
- 15. WHERE EMPTY RACEWAYS ARE INSTALLED, THEY SHALL BE LABELED AT BOTH ENDS AND FITTED WITH NYLON PULLSTRINGS FOR FUTURE USE.
- 16. TO PREVENT PERSONNEL INJURY AND POTENTIAL SYSTEM FAILURE, ELECTRICAL WORK SHALL BE PERFORMED ON DE-ENERGIZED SYSTEMS ONLY. WHERE WORK ON EXISTING SYSTEMS WILL REQUIRE INTERRUPTION OF ELECTRICAL SERVICE, THEN TEMPORARY PROVISIONS ACCEPTABLE TO THE OWNER FOR TEMPORARY POWER SHALL BE UTILIZED UNTIL THE WORK IS COMPLETE. PROVIDE ARC FLASH LABELS FOR ALL SWITCHBOARDS, PANELBOARDS, AND MOTOR CONTROL CENTERS.
- 17. IF THE CONTRACTOR SUBSTITUTES EQUIPMENT WITH DIFFERENT CHARACTERISTICS THAN WHAT IS SPECIFIED, INCLUDING ELECTRICAL CHARACTERISTICS, IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE THESE DIFFERENCES WITH OTHER TRADES. 18. DEVICE BOXES SHALL BE MOUNTED FLUSH IN WALLS UNLESS OTHERWISE NOTED OR REQUIRED. FLUSH SHALL BE DEFINED AS EVEN WITH THE FACE OF THE WALL, OR RECESSED NO MORE THAN 1/16". J-BOXES INSTALLED WITH PLASTER RINGS TO BE FLUSH WITH WALL. EXAMPLE: WALLS WITH 5/8" THICK SHEET ROCK REQUIRES 3/4" PLASTER RING. PROVIDE PLASTER RINGS AS REQUIRED FOR VARYING WALL THICKNESS COVERINGS. J-BOXES TO BE SUPPORTED WITH STUD-TO-STUD BACK BOX BRACING.

ELECTRICAL DEMOLITION NOTES

- 1. ALL ELECTRICAL ITEMS INSTALLED IN WALLS, FLOORS, OR CEILINGS TO BE DEMOLISHED SHALL BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED OR REQUIRED BY OTHER CONDITIONS IN THESE DOCUMENTS. SEE DRAWINGS OF ALL OTHER TRADES FOR EXTENT OF DEMOLITION WORK. ELECTRICAL ITEMS SHALL INCLUDE POWER, LIGHTING, AND SPECIAL SYSTEMS. REFER ALL QUESTIONS OF APPLICABILITY TO THE A/E PRIOR TO BID FOR CLARIFICATION; OTHERWISE, FIELD DECISIONS BY THE A/E SHALL BE BINDING. IT IS NOTED THAT THESE DRAWINGS DEPICT THE GENERAL INTENT OF THE SCOPE OF THE DEMOLITION WORK AND THAT NOT ALL ITEMS OF ELECTRICAL DEMOLITION ARE
- NECESSARILY SHOWN. THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY AND FIELD DETERMINE THE SCOPE OF THE DEMOLITION WORK PRIOR TO BID. REFER ALL QUESTIONS TO THE A/E PRIOR TO BID FOR CLARIFICATION. PHASING OF ELECTRICAL DEMOLITION SHALL FOLLOW THAT OF THE GENERAL CONTRACTOR.
- COORDINATE REMOVAL OF ELECTRICAL WORK WITH OTHER CONSTRUCTION ACTIVITIES AND THE REQUIREMENTS OF THE OWNER. 4. THE OWNER SHALL HAVE SALVAGE RIGHTS TO ANY ITEMS THAT ARE TO BE DEMOLISHED.
- ITEMS SUCH AS SPEAKERS AND CAMERAS AND OTHER ITEMS THAT THE OWNER WISHES TO SALVAGE SHALL BE CAREFULLY REMOVED AND STORED IN A LOCATION AS DIRECTED BY THE OWNER. ALL OTHER ITEMS OF DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- . WHERE DEMOLITION WORK WILL INTERRUPT CIRCUIT CONTINUITY TO OTHER AREAS OF THE SITE THAT ARE TO REMAIN IN OPERATION, THEN RACEWAY AND WIRING SHALL BE INSTALLED TO MAINTAIN THOSE AREAS IN COMPLETE OPERATION. PROVIDE TEMPORARY
- CONNECTIONS AS REQUIRED. COORDINATE ANY INTERRUPTIONS WITH THE OWNER AT LEAST TWO WEEKS PRIOR AND ACCOMMODATE THE OWNER'S NEEDS AS REQUIRED. 6. ELECTRICAL CIRCUITS THAT ARE TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. CONDUCTORS SHALL BE REMOVED FROM THE ITEM TO BE DEMOLISHED TO THE SOURCE OVERCURRENT DEVICE. RACEWAYS WHICH ARE INSTALLED IN OR BELOW FLOORS OR WITHIN WALLS MAY BE ABANDONED, BUT ALL OVERHEAD OR EXPOSED RACEWAYS SHALL BE REMOVED. EXPOSED RACEWAYS TO BE ABANDONED SHALL BE REMOVED AND SHALL BE

CUT OR CHISELED AT LEAST 2"" INTO THE WALL OR FLOOR AND THE OPENING GROUTED

- WHERE EXISTING DEVICE OR JUNCTION BOXES MUST REMAIN IN EXISTING WALLS OR CEILINGS (SUCH AS FOR CIRCUITS THAT MUST BE MAINTAINED TO OTHER AREAS), THEN
- THEY SHALL BE FITTED WITH BLANK COVERPLATES. 8. IF HAZARDOUS MATERIALS (I.E. ASBESTOS, PCB's, ETC.) ARE ENCOUNTERED AT ANY TIME DURING CONSTRUCTION IN THE WORK AREA, STOP WORK IMMEDIATELY AND CONTACT THE
- A/E OR THE OWNER. . REMOVE ALL DEVICES SHOWN ON DEMOLITION PLAN UNLESS OTHERWISE NOTED.

BLOOMINGTON VETERANS MEMORIAL 1800 WEST OLD SHAKOPEE RD

BLOOMINGTON, MN 55431 **BLOOMINGTON REMEMBERS**

VETERANS INC. PO BOX 201524 BLOOMINGTON, MN 55420

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431



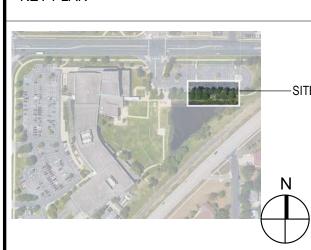
DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415

Tel (612)332.7522 7200 Hemlock Lane, Suite 300

Maple Grove, MN 55369

Tel (763)424.5505

KEY PLAN



REVISIONS

FILE LOG

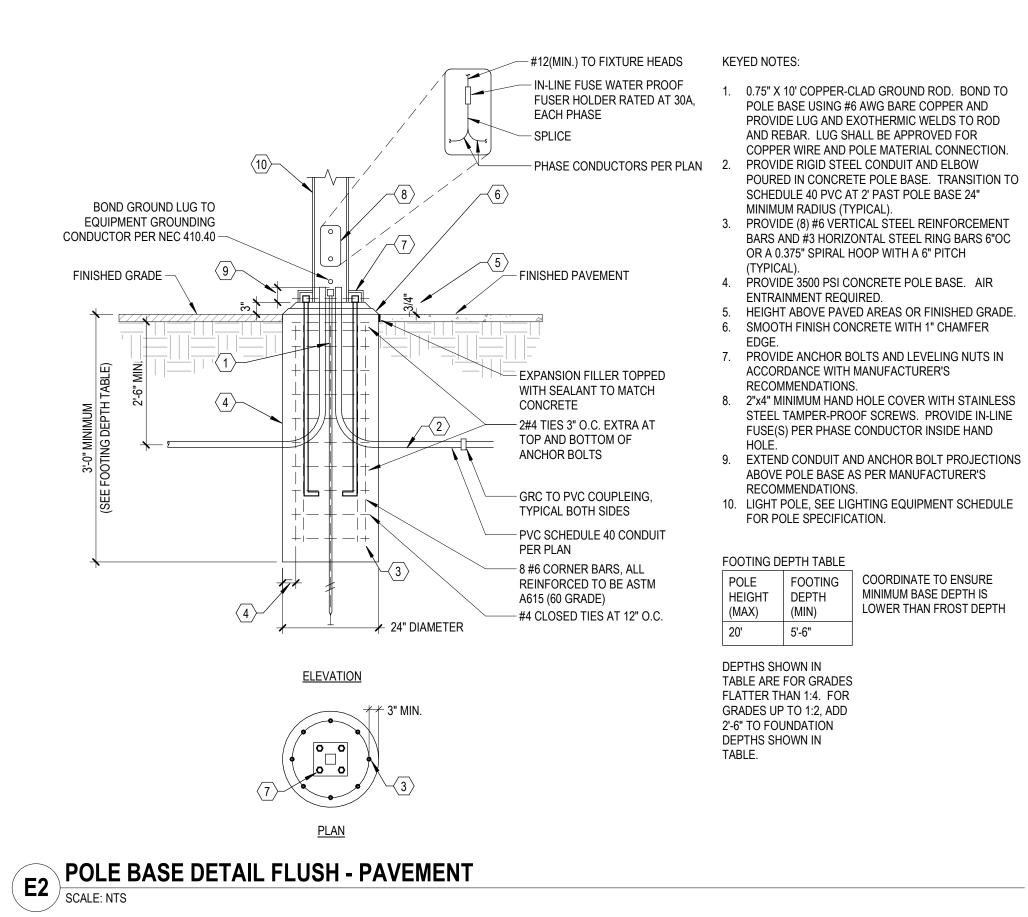
50% CONSTRUCTION

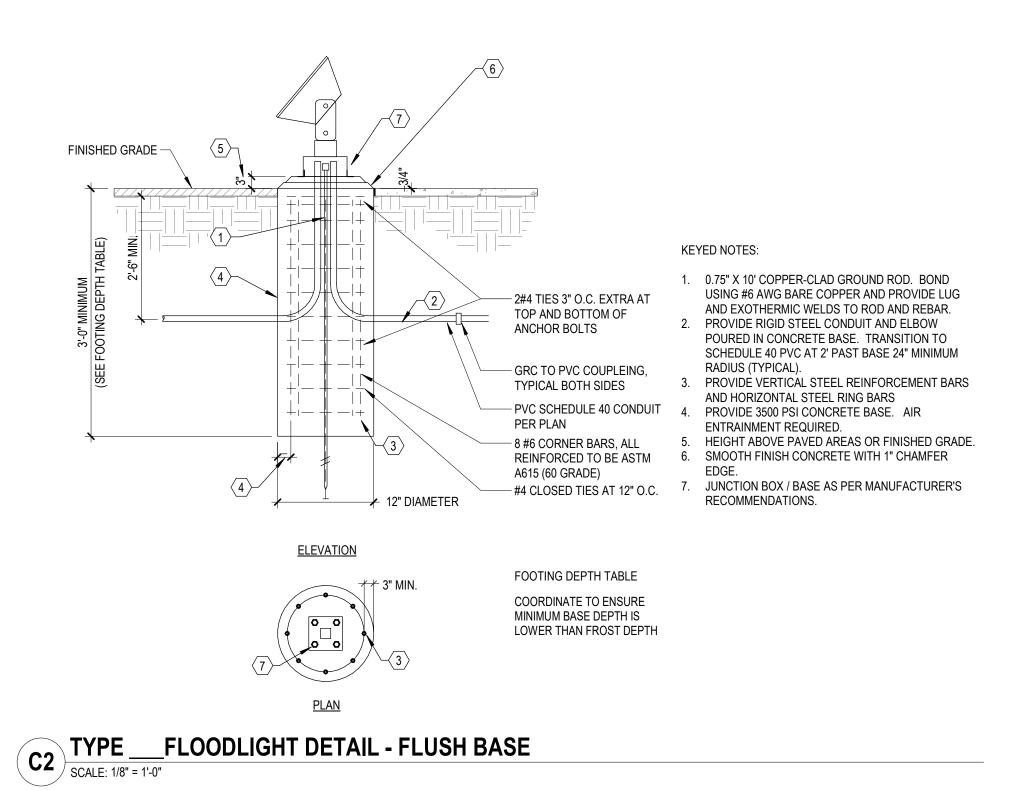


Project No. 023-10332-021 12/20/2024

ELECTRICAL SYMBOLS AND GENERAL

E-001





LIGHTING EQUIPMENT SCHEDULE SUBSTITUTIONS LED SOURCE APPARENT LOAD DELIVERED (°K) MARK MANUFACTURER LUMENS CCT MIN. CRI VA VA/LF VOLTAGE DESCRIPTION MOUNTING REMARKS LINEAR TAPE LIGHT NF-DS-O0240-24V-3000K LED - 577 3000 85 RECESSED SURFACE NOVAFLEX LUMENS/FT CHANNEL IN NOTCH. SEE ARCH DETAIL. BEGA SO 20' CYLINDRICAL POLE, ALUMINUM, BLACK 20 RFNS1 POLE,B20RFNS1 AB ANCHORAGE, ROUND POLE BASE POST MOUNTED PAINTED FINISH EXTERIOR LED, POST TOP MOUNTED EXISTING POLE LIGHT TO BE RELOCATED POST MOUNTED FIXTURE **EXISTING** LED - XXXX 0 0 VA LUMINAIRE. LUMENS MOUNTED ON A XX'-X" POST, UON. LIGHT TOWER FLOOD LIGHT LUMENPULSE LBS-277-30K-FL-BKTX-NO-KN LED - 1,280 3000 85 14 VA SURFACE ERCO BEAMER SPOT SURFACE BASE MOUNT LUMENS LED -600 - 3000 85 15 VA POLE MOUNTED SPOT LIGHT BEGA 77683 8 DEGREE SPOT, POLE MOUNTING FITTING 277 V SURFACE 1132 LUMENS POLE MOUNTED FLOOD LIGHT BEGA LED - 2,967 3000 85 51 VA SURFACE 77651 7077 SPREAD LENS, POLE MOUNTING FITTING 277 V LUMENS LED - 500 3000 80 14 VA 277 V TOP OF FLAG POLE FLAG POLE SPOT LIGHT CONCORD / AMERICAN ABW SERIES BEACON LUMENS

۹.	CATALOG NUMBER VERIFICATION - CONTRACTOR SHALL VERIFY LUMINAIRE INSTALLATION REQUIREMENTS AND CATALOG NUMBER PRIOR TO ORDERING. CATALOG NUMBER SPECIFICATION SYMBOL INFORMATION BELOW.
	a. ## - LENGTH TAKEN FROM DRAWINGS b. * - WHEN STAR IS PRESENT, REFERENCE LIGHTING EQUIPMENT SCHEDULE COLUMNS FOR ORDERING INFORMATION.
	c UNDERSCORE INDICATES "BLANK" OPTION IS BEING SPECIFIED OR NO OPTION IS REQUIRED.
	d. % - CONTRACTOR RESPONSIBLE FOR COORDINATING SPECIFICATION OPTION SELECTION WITH INSTALLATION CONDITIONS.
3.	SUBSTITUTIONS - WHERE INDICATED WITH 'N' (NO), NO SUBSTITUTIONS WILL BE ACCEPTED. WHERE INDICATED WITH 'P' (PRIOR APPROVAL), SUBSTITUTIONS MUST BE APPROVED PRIOR TO BID WITH ACCEPTANCE ISSUED BY ADDENDUM. WHERE INDICATED WITH 'Y' (YES), THE FOLLOWING MANUFACTURERS ARE
	CONSIDERED ACCEPTABLE EQUIVALENT MANUFACTURERS, PROVIDED THE EQUIVALENT LUMINAIRE IS OF THE SAME BUILD QUALITY, EFFICACY, OUTPUT, DISTRIBUTION, AND MATCHING AESTHETICS AS SCHEDULED. LUMINAIRES SUBMITTED FOR PRIOR APPROVAL MUST INCLUDE A COMPARISON OF CRITERIA
	SPECIFIED IN THE LIGHTING EQUIPMENT SCHEDULE COLUMNS. a. ACUITY
	b. COOPER LIGHTING SOLUTIONS
	c. CURRENT
	d. WILLIAMS
	e. PHILLIPS/SIGNIFY
	f. LEGRAND
	DIMMING %: a. INDICATES DIMMING PROTOCOL (FORWARD PHASE, REVERSE PHASE, 0-10V, DMX, DALI, ETC.) AND REQUIRED MINIMUM DIMMING % (10%, 1%, 0.1%, DIM TO DARK, ETC.). COORDINATE EXACT DIMMING PROTOCOL AND DRIVER COMPATIBILITY WITH SUBMITTED LUMINAIRE AND LIGHTING CONTROL MANUFACTURER.
	DRIVERS - COORDINATE LINEAR VS. LOGARITHMIC DIMMING DRIVER REQUIREMENTS WITH DIMMING DRIVER AND LIGHTING CONTROL DIMMING RELAY/DIMMER SWITCH.
Ξ.	MOUNTING HEIGHT: PROVIDE MOUNTING HEIGHT AS INDICATED ON SCHEDULE UNLESS OTHERWISE NOTED ON PLAN.
	a. BOL: MOUNTING HEIGHT TO BOTTOM OF LUMINAIRE
	b. COL: MOUNTING HEIGHT TO CENTER OF LUMINAIRE
	c. TOL: MOUNTING HEIGHT TO TOP OF LUMINAIRE LINEAR LUMINAIRES - LUMINAIRES IDENTIFIED WITH [EMERGENCY] [LIFE SAFETY], NORMAL SECTIONS AND DEDICATED DAYLIGHT ZONE SECTIONS SHALL BE PROVIDED WITH DEDICATED [EMERGENCY] [LIFE SAFETY] DRIVER(S) SEPARATED FROM NORMAL DRIVER(S) BY BARRIER. PROVIDE LABEL READING "WARNING -
	LUMINAIRE SUPPLIED WITH MULTIPLE CIRCUITS - NORMAL AND JEMERGENCY] [LIFE SAFETY]". PLACE LABEL ON DRIVER COVER.
	LINEAR AND LINEAR PATTERN LUMINAIRES - COORDINATE EXACT PATTERN AND SECTION LENGTHS WITH REFLECTED CEILING PLAN. PROVIDE DETAILED SHOP DRAWINGS OF [EMERGENCY], [CRITICAL], [LIFE SAFETY] SECTION, POWER/CONTROL CONNECTIONS, INTEGRAL OR REMOTE DRIVER LOCATIONS (POWER
	ENTRY LOCATIONS SHALL BE COORDINATED WITH THE PLANNED POWER ROUTING PATH), END PLATES AND MOUNTING REQUIREMENTS. LUMINAIRE SHALL BE PROVIDED WITH ILLUMINATED CORNERS, INTERSECTIONS, AND FIELD ADJUSTABLE EXTENSIONS. SHOP DRAWINGS SHALL INDICATE PENDANT OR MOUNTING
	BRACKET LOCATIONS.
	LINEAR WALL-TO-WALL MOUNTING - PROVIDE LUMINAIRE WITH CONTINUOUS ILLUMINATION FROM WALL TO WALL. COORDINATE EXACT WALL DIMENSIONS WITH GENERAL CONTRACTOR AND ARCHITECTURAL DETAILS. PROVIDE MANUFACTURER'S WALL-TO-WALL MOUNTING ACCESSORY(S) AS REQUIRED FOR A COMPLETE INSTALLATION. WHEN LUMINAIRE IS NOT PROVIDED WITH FIELD ADJUSTABLE EXTENSIONS, COORDINATE FIELD MEASURED OVERALL DIMENSIONS FOR WALL TO WALL, WALL TO CORNER, AND RECESSED ARCHITECTURAL POCKET CONDITIONS TAKE STEPS TO COVER AND PROTECT LUMINAIRES FROM
	PAINTING AND PAINT SPRAY. REMOVING LENSES IS NOT ADEQUATE PROTECTION. LENSES OR DIODES WITH PAINT ON THEM SHALL BE REPLACED.
	COVE - DRAWINGS PROVIDE GENERAL ILLUSTRATION OF COVE LAYOUT. COORDINATE EXACT UNIT LENGTHS AND QUANTITIES WITH ARCHITECTURAL DETAILS TO PROVIDE CONTINUOUS ILLUMINATION FOR THE ENTIRE LENGTH OF COVE. COVE LUMINAIRES SHALL BE INSTALLED END TO END WITH NO GAP BETWEEN
	LUMINAIRES. A MAXIMUM GAP OF 6" MAY BE PROVIDED AT ENDS AND CORNERS OF COVE. SELECT UNIT LENGTHS AND QUANTITIES TO ACHIEVE THE COVE LAYOUT SHOWN ON PLANS. ALL COVE LUMINAIRES SHALL BE INSTALLED AFTER PAINTING HAS BEEN COMPLETED.
	TRACK - PROVIDE [SINGLE] [DUAL] CIRCUIT TRACK SYSTEM WITH ALL NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION, INCLUDING, BUT NOT LIMITED TO: CURRENT LIMITERS, POWER FEEDS, STAND OFFS, CONNECTORS, END CAPS, AND TRANSFORMERS. TRACKS AND ACCESSORY FINISH SHALL MATCH
	FINISH OF SPECIFIED TRACK HEAD. PROVIDE TRACK HEAD QUANTITIES PER PLANS. COORDINATE TRACK HEADS INDICATED. MOUNT REMOTE TRANSFORMER ABOVE NEAREST ACCESSIBLE CEILING.
	UNDERCABINET LUMINAIRES - PROVIDE ALL NECESSARY MANUFACTURER'S ACCESSORIES TO ACCOMMODATE INSTALLATION, INCLUDING BUT NOT LIMITED TO: SPLICE BOXES, END CONNECTORS, AND JUMPER/DAISY CHAIN CONNECTORS. CONTRACTOR SHALL INSTALL UNDER CABINET LUMINAIRES IN SUCH A
	MANNER THAT FLEX CONDUIT SHALL BE CONCEALED AND NOT VISIBLE FROM FRONT OF LUMINAIRE. NO DROOP OR COILED LOOPS OF WIRE SHALL BE ACCEPTABLE FOR POWER FEEDS OR JUMPER CABINET LUMINAIRES.
	PROVIDE FACTORY INSTALLED INTERNAL VIBRATION DAMPER FOR POLES GREATER THAN 20' TALL.
	
KEI\	MARKS:
۱.	EXIT SIGNS: PROVIDE QUANTITY AND TYPE OF FACES AND EXIT DIRECTION CHEVRONS AS INDICATED ON PLANS. PROVIDE MOUNTING TYPE AS INDICATED ON PLANS.
	WALL MOUNTING - COORDINATE EXACT LOCATION WITH ARCHITECTURAL DETAILS. COORDINATE FRAMING AND BOX SUPPORTS PRIOR TO ROUGH-IN FOR EXACT PLACEMENT OF BOX TO ACHIEVE CENTERING AND ALIGNMENT WITH FINAL ARCHITECTURAL FINISHES.
3.	PENDANT/SUSPENSION MOUNTING - COORDINATE EXACT LOCATION, MOUNTING ELEVATION, AND REQUIRED PENDANT/SUSPENSION LENGTH WITH ARCHITECTURAL DETAILS.

LIGHTING EQUIPMENT SCHEDULE NOTES

GENERAL NOTES:

LOWER THAN FROST DEPTH

BLOOMINGTON **VETERANS MEMORIAL** 1800 WEST OLD SHAKOPEE RD

BLOOMINGTON, MN 55431

BLOOMINGTON REMEMBERS VETERANS INC.

CITY OF BLOOMINGTON

BLOOMINGTON, MN 55420

PO BOX 201524

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431



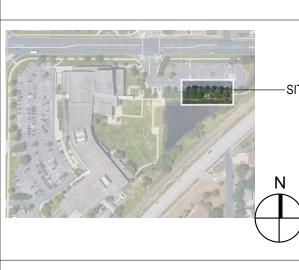
DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050

Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

Minneapolis, MN 55415

KEY PLAN



REVISIONS

FILE LOG

50% CONSTRUCTION DOCUMENTS PROGRESS

Project No. 023-10332-021

ELECTRICAL LIGHTING SCHEDULE

E-701

E BHTUMINOUS 12"RCP REMOVE EXISTING POLES AND FIXTURES. RETURN UNUSED FIXTURES TO OWNER. REMOVE ABANDONED CONDUCTORS AND RACEWAY. ELECTRICAL SITE DEMOLITION PLAN

SCALE: 1" = 20'-0" H-2/24 H-2/26 ___BASE BID: ROUGH IN FOR FUTURE LIGHTS.

EXTEND CIRCUIT FROM EXISTING LIGHT POLE

D3 ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

— ADD ALTERNATE: INSTALL OF LIGHTS

GENERAL NOTES

MINIMUM.

PROVIDE #10 AWG CONDUCTORS AND 1" CONDUIT FOR SITE LIGTHING CIRCUITS UNLESS OTHERWISE NOTED.

LUMINAIRE LOCATIONS SHALL BE COORDINATED WITH ALL LANDSCAPE FEATURES INCLUDING EXPANSION JOINTS, PAVEMENT PATTERNS, AND LANDSCAPE PLANTINGS AS INDICATED ON PLANS. REFER TO SITE PAVING AND PLANTING

SHEETS FOR EXACT LOCATIONS AND DIMENSIONS OF JOINTS, PATTERNS AND PLANTINGS. PROVIDE A CONNECTION OF EQUIPMENT GROUNDING CONDUCTOR TO EQUIPMENT GROUNDING TERMINAL IN LIGHT POLES IN ACCORDANCE WITH NEC.

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431 CONDUIT ROUTES SHOULD BE FIELD VERIFIED AND ADJUSTED AS NEEDED. BURIAL DEPTH OF CONDUITS UNDER PAVEMENT SHALL BE 24" BELOW GRADE MINIMUM. BURIAL DEPTH OF CONDUITS IN GRASS AREA SHALL BE 18" BELOW GRADE **BLOOMINGTON REMEMBERS**

VETERANS INC. PO BOX 201524 BLOOMINGTON, MN 55420

BLOOMINGTON

VETERANS MEMORIAL

CITY OF BLOOMINGTON

1800 WEST OLD SHAKOPEE RD BLOOMINGTON, MN 55431



DAMON FARBER LANDSCAPE ARCHITECTS 310 S. 4th Ave Suite 7050 Minneapolis, MN 55415 Tel (612)332.7522

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 Tel (763)424.5505

KEY PLAN REVISIONS FILE LOG

50% CONSTRUCTION DOCUMENTS PROGRESS PRINTING

Project No. 023-10332-021

ELECTRICAL SITE PLAN

ES101