

# PRELIMINARY PLANS

FOR

## SITE, GRADING, UTILITIES AND LANDSCAPE

FOR

### PRAIRIE POINTE SHAKOPEE, MN

PREPARED FOR:

#### BEACON INTERFAITH HOUSING COLLABORATIVE

2610 UNIVERSITY AVENUE WEST, SUITE 100

ST. PAUL, MN 55114

CONTACT: MATT SOUCEK

PHONE: 651-789-6260

EMAIL: MSOUCEK@BEACONINTERFAITH.ORG

PREPARED BY:

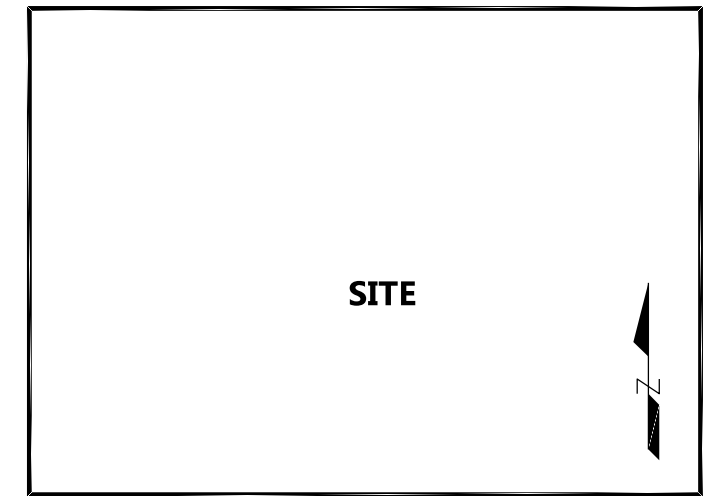
### Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
 Fax (952) 937-5822 Minnetonka, MN 55343  
 Toll Free (888) 937-5150 [westwoodps.com](http://westwoodps.com)

Westwood Professional Services, Inc.

PROJECT NUMBER: 0026679.00

CONTACT: XX



Vicinity Map  
(NOT TO SCALE)

#### SHEET INDEX

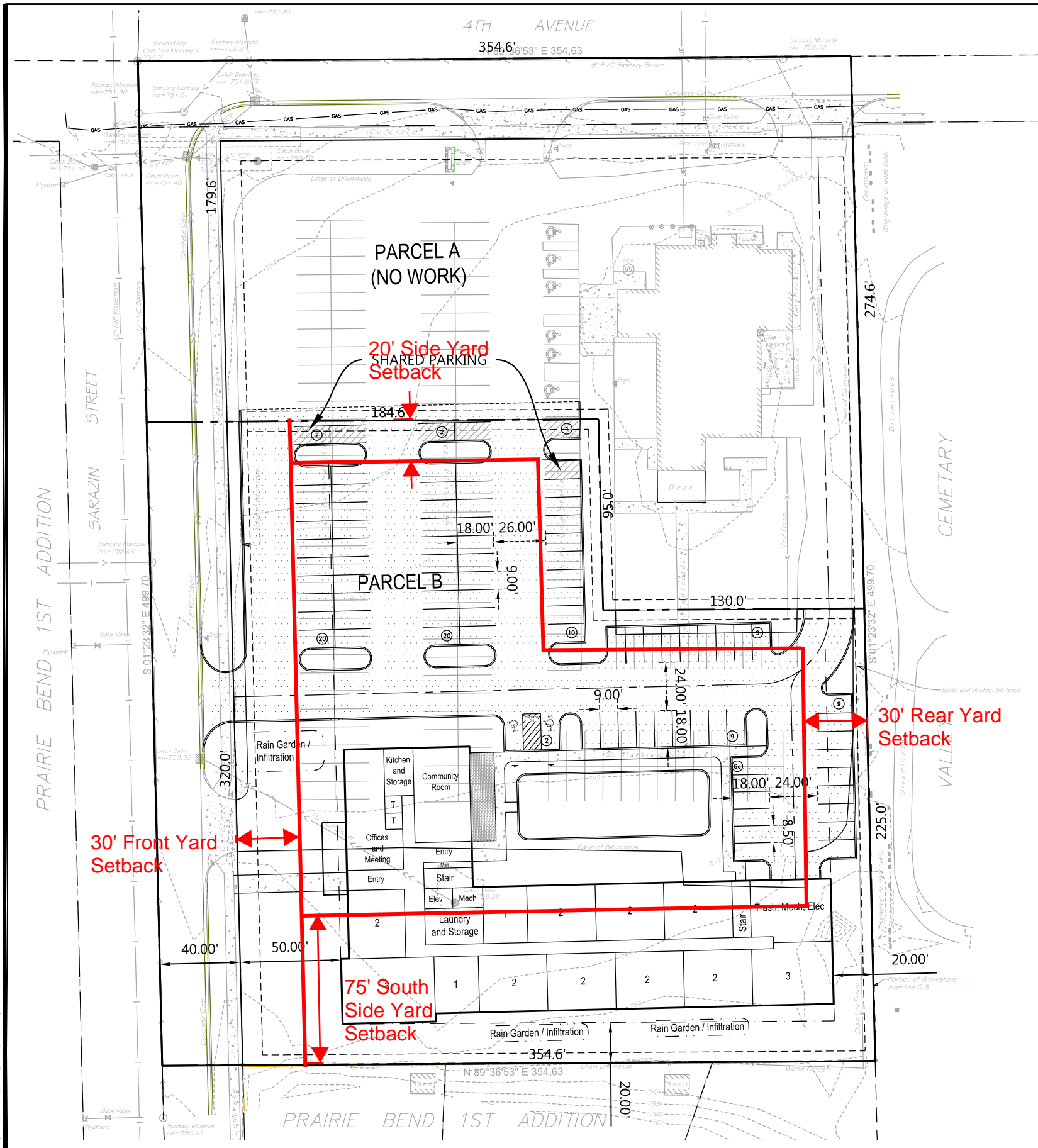
Sheet Number	Sheet Title
1	Cover
2	Existing Conditions
3	Preliminary Plat
4	Open Space Plan
5	Preliminary Grading Drainage and Erosion Control Plan
6	Preliminary Utility Plan
7	Street Profiles
8	Details
9	Details
10	Wetland Buffer Plan
11	Tree Preservation Plan
12	Tree Inventory
13	Preliminary Landscape Plan
14	Preliminary Landscape Details

NO.	DATE	REVISION	SHEETS
1	----	.	ALL
	----	.	
	----	.	
	----	.	
	----	.	
	----	.	
	----	.	
	----	.	
	----	.	
	----	.	

#### PRELIMINARY PLANS

FOR  
 SITE, GRADING, UTILITIES AND  
 LANDSCAPE  
 FOR  
 PRAIRIE POINTE  
 SHAKOPEE, MN

INITIAL SUBMITTAL DATE: XX/XX/XX SHEET: ---- OF 5



### SITE LEGEND

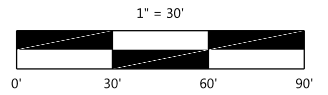
EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	LOT LINE
---	---	SETBACK LINE
---	---	EASEMENT LINE
---	---	CURB AND GUTTER
---	---	TIP-OUT CURB AND GUTTER
---	---	CURB TRANSITION
---	---	POND NORMAL WATER LEVEL
---	---	RETAINING WALL
---	---	FENCE
---	---	CONCRETE PAVEMENT
---	---	CONCRETE SIDEWALK
---	---	HEAVY DUTY BITUMINOUS PAVEMENT
---	---	NORMAL DUTY BITUMINOUS PAVEMENT
---	---	NUMBER OF PARKING STALLS
---	---	TRANSFORMER
---	---	SITE LIGHTING
---	---	TRAFFIC SIGN
---	---	POWER POLE
---	---	BOLLARD / POST

### 1 SITE DETAILS (SI-0XX)

- 1 B612 CURB AND GUTTER
- 3 FLUSH CURB AND GUTTER
- 8 PRIVATE CONCRETE SIDEWALK
- 9 PRIVATE PEDESTRIAN CURB RAMP
- 10 PRIVATE PARALLEL PEDESTRIAN CURB RAMP
- 11 CROSS WALK STRIPING
- 14 SIGN INSTALLATION
- 15 HANDICAP ACCESSIBLE SIGNAGE AND STRIPING
- 19 PAVEMENT SECTIONS (SEE DETAILS)
- 22 SAW CUT CONTROL JOINT
- 24 CONCRETE CURB AT SIDEWALK
- 31 TRANSITION CURB (B612)
- 36 SIGN POST WITH BOLLARD
- 40 MODULAR BLOCK RETAINING WALL
- 41 FENCE AT MODULAR BLOCK WALL

### SITE DEVELOPMENT SUMMARY

- EXISTING ZONING: B1 - HIGHWAY BUSINESS
- PROPOSED ZONING: PUD
- GROSS SITE AREA: 76,051 SF (1.7 AC)
- FUTURE CITY RIGHT OF WAY: 19,771 SF (0.4 AC)
- NET DEVELOPABLE AREA: 56,280 SF (1.3 AC)
- PARKING PROVIDED:
  - SURFACE SPACES (TYPICAL) 52 SPACES
  - SURFACE SPACES (SHARED - PARCEL B) 6 SPACES
  - TOTAL SPACES PROVIDED: 58 SPACES TOTAL
- PARCEL B:
  - GROSS SITE AREA: 101,129 SF (2.3 AC)
  - FUTURE CITY RIGHT OF WAY: 12,802 SF (0.3 AC)
  - NET DEVELOPABLE AREA: 88,327 SF (2.0 AC)
- BUILDING GROSS SIZE:
  - XXX SF
  - 46 UNITS
  - 3 LEVELS LIVING SPACE
- PARKING SPACE/DRIVE AISLE: TYPICAL COMPACT
  - 9' WIDE X 20' LONG, 24' AISLE
  - 8.5' WIDE X 20' LONG, 24' AISLE
- PARKING PROVIDED:
  - SURFACE SPACES (TYPICAL) 82 SPACES
  - SURFACE SPACES (COMPACT) 6 SPACES
  - ADA SURFACE SPACES 2 SPACES
  - TOTAL SPACES PROVIDED: 90 SPACES TOTAL
- IMPERVIOUS SITE AREA:
  - EXISTING SITE: 59.9% (52,871 SF)
  - PROPOSED SITE: 64.9% (57,285 SF)



NOT FOR CONSTRUCTION

DESIGNED:	
CHECKED:	
DRAWN:	
HORIZONTAL SCALE:	30.000004'
VERTICAL SCALE:	6' OR 3'

INITIAL ISSUE:	XX/XX/XX
REVISIONS:	
△	---
△	---
△	---
△	---
△	---
△	---

PREPARED FOR:  
**BEACON INTERFAITH HOUSING COLLABORATIVE**  
2610 UNIVERSITY AVENUE WEST, SUITE 100  
ST. PAUL, MN 55114

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA  
XX  
DATE: XX/XX/XX LICENSE NO. XX

**PRAIRIE POINT**  
SHAKOPEE, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

PRELIMINARY SITE PLAN

SHEET NUMBER:  
**C100** OF 5  
DATE: XX/XX/XX

PROJECT NUMBER: 0026679.00

4TH AVENUE

PRAIRIE BEND 1ST ADDITION

SARAZIN STREET

CEMETARY

VALLEY

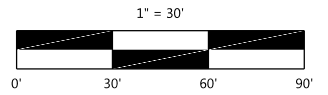
PRAIRIE BEND 1ST ADDITION

GRADING LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		INDEX CONTOUR
		INTERVAL CONTOUR
		CURB AND GUTTER
		POND NORMAL WATER LEVEL
		STORM SEWER
		FLARED END SECTION (WITH RIPRAP)
		WATER MAIN
		SANITARY SEWER
		RETAINING WALL
		DRAIN TILE
		RIDGE LINE
		GRADING LIMITS
		SPOT ELEVATION
		FLOW DIRECTION
		TOP AND BOTTOM OF RETAINING WALL
		EMERGENCY OVERTFLOW
		SOIL BORING LOCATION

GRADING NOTES

- LOCATIONS AND ELEVATIONS OF EXISTING TOPOGRAPHY AND UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND UTILITY LOCATIONS PRIOR TO EXCAVATION/CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTORS SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULE, SLOPED PAVEMENT, EXIT PORCHES, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, AND EXACT LOCATIONS AND NUMBER OF DOWNSPOUTS.
- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SOD OR SEED. THESE AREAS SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. SEE LANDSCAPE PLAN FOR PLANTING AND TURF ESTABLISHMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS.
- ALL SLOPES SHALL BE GRADED TO 3:1 OR FLATTER, UNLESS OTHERWISE INDICATED ON THIS SHEET.
- CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN OR BETWEEN SUCH POINTS AND EXISTING GRADES.
- SPOT ELEVATIONS SHOWN INDICATE FINISHED PAVEMENT ELEVATIONS & GUTTER FLOW LINE UNLESS OTHERWISE NOTED. PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE.**
- SEE SOILS REPORT FOR PAVEMENT THICKNESSES AND HOLD DOWNS.
- CONTRACTOR SHALL DISPOSE OF ANY EXCESS SOIL MATERIAL THAT EXISTS AFTER THE SITE GRADING AND UTILITY CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS SOIL MATERIAL IN A MANNER ACCEPTABLE TO THE OWNER AND THE REGULATING AGENCIES.
- CONTRACTOR SHALL PROVIDE A STRUCTURAL RETAINING WALL DESIGN CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER.
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE AND FEDERAL RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
- PRIOR TO PLACEMENT OF ANY STRUCTURE OR PAVEMENT, A PROOF ROLL, AT MINIMUM, WILL BE REQUIRED ON THE SUBGRADE. PROOF ROLLING SHALL BE ACCOMPLISHED BY MAKING MINIMUM OF 2 COMPLETE PASSES WITH FULLY-LOADED TANDEM-AXLE DUMP TRUCK, OR APPROVED EQUAL, IN EACH OF 2 PERPENDICULAR DIRECTIONS WHILE UNDER SUPERVISION AND DIRECTION OF THE INDEPENDENT TESTING LABORATORY. AREAS OF FAILURE SHALL BE EXCAVATED AND RE-COMPACTED AS SPECIFIED HEREIN.
- EMBANKMENT MATERIAL PLACED BENEATH BUILDINGS AND STREET OR PARKING AREAS SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFIED DENSITY METHOD AS OUTLINED IN MNDOT 2105.3F1 AND THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.
- EMBANKMENT MATERIAL NOT PLACED IN THE BUILDING PAD, STREETS OR PARKING AREA, SHALL BE COMPACTED IN ACCORDANCE WITH REQUIREMENTS OF THE ORDINARY COMPACTION METHOD AS OUTLINED IN MNDOT 2105.3F2.
- ALL SOILS AND MATERIALS TESTING SHALL BE COMPLETED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. EXCAVATION FOR THE PURPOSE OF REMOVING UNSTABLE OR UNSUITABLE SOILS SHALL BE COMPLETED AS REQUIRED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED SOILS TESTS AND INSPECTIONS WITH THE GEOTECHNICAL ENGINEER.



NOT FOR CONSTRUCTION

DESIGNED:	
CHECKED:	
DRAWN:	
HORIZONTAL SCALE:	30.000004'
VERTICAL SCALE:	6' OR 3'

INITIAL ISSUE:	XX/XX/XX
REVISIONS:	
△	---
△	---
△	---
△	---
△	---
△	---

PREPARED FOR:  
**BEACON INTERFAITH HOUSING COLLABORATIVE**  
 2610 UNIVERSITY AVENUE WEST, SUITE 100  
 ST. PAUL, MN 55114

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

XX  
 DATE: XX/XX/XX LICENSE NO. XX

**PRAIRIE POINTE**  
 SHAKOPEE, MN

**Westwood**  
 Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
 Fax (952) 937-5822 Minnetonka, MN 55343  
 Toll Free (888) 937-5150 [www.westwoodps.com](http://www.westwoodps.com)  
 Westwood Professional Services, Inc.

PRELIMINARY GRADING  
 PLAN

SHEET NUMBER:  
**C200** OF **5**  
 DATE: XX/XX/XX

PROJECT NUMBER: 0026679.00

4TH AVENUE

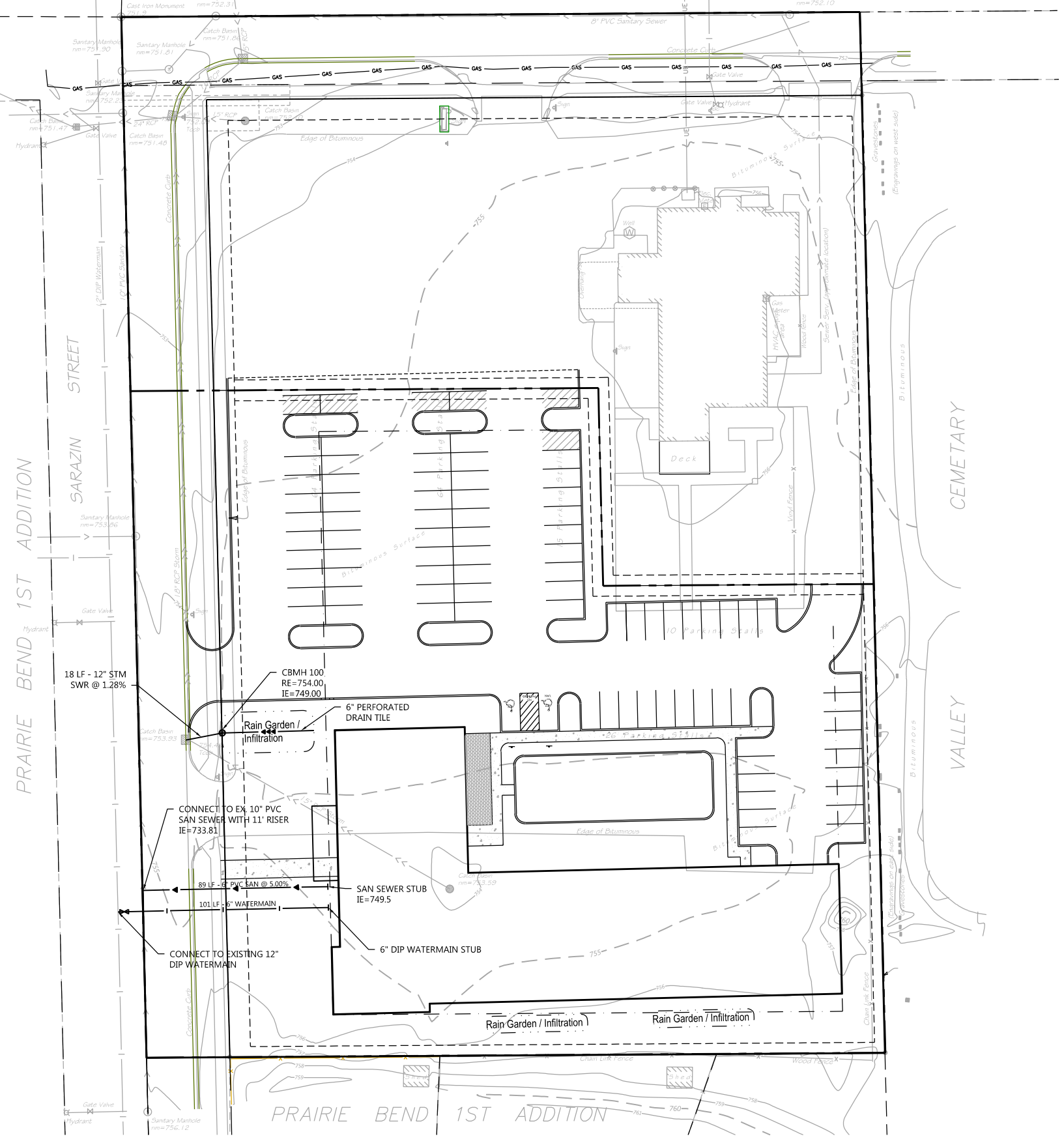
PRAIRIE BEND 1ST ADDITION

SARAZIN STREET

CEMETARY

VALLEY

PRAIRIE BEND 1ST ADDITION



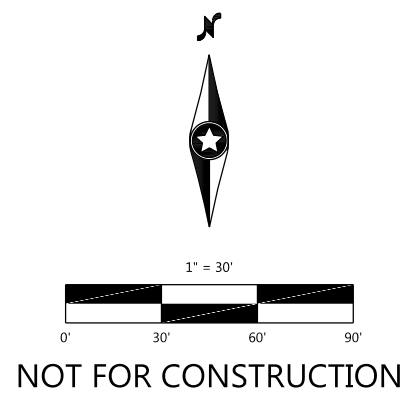
### GENERAL UTILITY NOTES

Call 48 Hours before digging:  
811 or call811.com  
Common Ground Alliance

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND LIMITED MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF DISCREPANCIES.
- ALL SANITARY SEWER, STORM SEWER AND WATER MAIN MATERIAL AND INSTALLATIONS SHALL BE PER CITY REQUIREMENTS, MINNESOTA PLUMBING CODE, AND IN ACCORDANCE WITH THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THE NECESSARY FEDERAL, STATE AND LOCAL PERMITS FOR THE PROPOSED WORK OR VERIFY WITH THE OWNER OR ENGINEER THAT PERMITS HAVE BEEN OBTAINED. PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE ARRANGED WITH THE OWNER.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF DOORWAYS, RAMPS, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY CONNECTION LOCATIONS.
- ALL PRIVATE UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE THE SERVICE LINE CONSTRUCTION WITH THE UTILITY COMPANIES.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY CITY PERMITS FOR UTILITY CONNECTIONS, AND UTILITIES SHALL BE INSPECTED AND APPROVED BY THE CITY. THE CITY SHALL BE NOTIFIED 48-HOURS PRIOR TO COMMENCING WITH THE UTILITY CONSTRUCTION OR ANY REQUIRED TESTING. CONTRACTOR SHALL NOT OPERATE, INTERFERE WITH, CONNECT ANY PIPE OR HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY. ANY ADVERSE CONSEQUENCES OF SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WATER MAIN LENGTHS AS SHOWN ARE APPROXIMATE HORIZONTAL LENGTHS. ALLOW FOR ADDITIONAL PIPE WHEN INSTALLING ON SLOPES OR WHEN DEFLECTIONS ARE REQUIRED. THE JOINT DEFLECTIONS SHALL NOT EXCEED THE MAXIMUM RECOMMENDED BY THE PIPE MANUFACTURER OR BY LOCAL GOVERNING SPECIFICATIONS. FITTINGS REQUIRED TO CONSTRUCT WATER MAIN SHALL BE INCLUDED IN WATER MAIN CONSTRUCTION.
- PROVIDE WATER MAIN THRUST RESTRAINTS PER CITY STANDARD REQUIREMENTS.
- A MINIMUM VERTICAL SEPARATION OF 18 INCHES IS REQUIRED AT ALL WATER LINE CROSSINGS WITH SANITARY SEWER OR STORM SEWER. THE WATER LINE SHALL NOT HAVE JOINTS OR CONNECTION WITHIN 10-FEET OF THE CROSSING. INSULATE CROSSINGS WITH STORM SEWER.
- UTILITY SERVICES TYPICALLY TERMINATE 5' OUTSIDE BUILDING WALL UNLESS OTHERWISE SHOWN OR NOTED.
- DUCTILE IRON WATER LINES SHALL BE CLASS 52, PER AWWA C115 OR C151. COPPER WATER LINES SHALL BE TYPE K PER ASTM B88. PVC WATER LINES SHALL BE PER AWWA C900 AND INSTALLED PER AWWA C605 IF ALLOWED BY CITY.
- ALL WATER LINES SHALL HAVE <<7.5' OR 8'>> MINIMUM COVER. INSULATE WATER MAIN IF LESS THAN 8' OF COVER. INSULATION SHALL BE DOW STYROFOAM HI BRAND 35 OR EQUIVALENT, WITH 4 INCHES OF THICKNESS.
- SANITARY SEWER PIPE OUTSIDE THE BUILDING ENVELOPE SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PER ASTM D2665. ALL PLASTIC SANITARY SEWER SHALL BE INSTALLED PER D2321. SOLVENT WELD JOINTS MUST INCLUDE USE OF A PRIMER WHICH IS OF A CONTRASTING COLOR TO THE PIPE AND CEMENT. ALL SANITARY SEWER SHALL BE TESTED ACCORDING TO MINNESOTA PLUMBING CODE, PART 712.0.
- STORM SEWER PIPE:
  - RCP AND HDPE PIPE MAY BE INSTALLED WITH APPROVAL OF LOCAL GOVERNING AGENCY.
  - REINFORCED CONCRETE PIPE SHALL BE CLASS 5 FOR PIPE DIAMETERS 18" AND SMALLER, CLASS 3 FOR PIPE DIAMETERS 21" AND LARGER UNLESS OTHERWISE NOTED, PER ASTM C76 WITH R-4 GASKETS.
  - HDPE STORM PIPE 4- TO 10-INCHES IN DIAMETER SHALL MEET REQUIREMENTS OF AASHTO M252. HDPE STORM PIPE 12- TO 60-INCHES IN DIAMETER SHALL MEET REQUIREMENTS OF ASTM F2306. FITTINGS SHALL BE PER ASTM D3212 AND INSTALLED PER ASTM D2321.
  - PVC STORM SEWER PIPE AND FITTINGS SHALL BE SCHEDULE 40 PIPE PER ASTM D2665 AND INSTALLED PER ASTM D2321.
  - CORRUGATED METAL PIPE (CMP) FOR SIZES 18- TO 120-INCH AND MUST MEET ASTM A760 OR ASTM A796 AND BE INSTALLED PER ASTM A798. CMP MAY NOT BE INSTALLED WITHIN 10-FEET OF A WATERMAIN, WATER SERVICE, OR A BUILDING.
  - ALL STORM SEWER JOINTS AND STRUCTURE CONNECTIONS SHALL BE GASTIGHT OR WATERTIGHT AS REQUIRED BY MINNESOTA PLUMBING CODE, PART 707.3. STORM SEWER LOCATED WITHIN 10-FEET OF A BUILDING AND/OR WATER LINE SHALL BE TESTED PER MINNESOTA PLUMBING CODE, PART 712.
- ALL NONCONDUCTIVE PIPE SHALL BE INSTALLED WITH A LOCATE (TRACER) WIRE PER MINNESOTA RULES, PART 7560.0150.
- POST INDICATOR VALVES SHALL BE CLOW F-5750 (OR EQUIVALENT) MEETING AWWA STANDARD C509 AND CITY STANDARDS. VALVE TO BE MECHANICAL JOINT RESILIENT WEDGE GATE VALVE. POST TO BE ADJUSTABLE FOR 8 FEET WATER MAIN DEPTH. THE ELECTRICAL ALARM SWITCH SHALL BE PART NO. PCV52 (OR EQUIVALENT).
- AFTER CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AN AS-BUILT RECORD OF UTILITY CONSTRUCTION. THE AS-BUILT SHALL INCLUDE LOCATION AND LENGTH DEVIATIONS OR CHANGES TO THE PLAN. CONTRACTOR TO VERIFY WITH OWNER OR ENGINEER WHETHER A PLAN WITH POST-CONSTRUCTION ELEVATIONS IS REQUIRED.

### UTILITY LEGEND

EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	EASEMENT LINE
---	---	CURB AND GUTTER
SAN	SAN	SANITARY SEWER
FM	FM	SANITARY SEWER FORCE MAIN
WAT	WAT	STORM SEWER
WAT	WAT	WATER MAIN
GAS	GAS	HYDRANT
PUG	PUG	GAS
PDH	PDH	UNDERGROUND ELECTRIC
TUG	TUG	OVERHEAD ELECTRIC
TDH	TDH	UNDERGROUND TELEPHONE
FD	FD	OVERHEAD TELEPHONE
CTV	CTV	TELEPHONE FIBER OPTIC
DT	DT	CABLE TELEVISION
DT	DT	DRAIN TILE
GV	GV	GATE VALVE
FL	FL	FLARED END SECTION (WITH RIPRAP)
LP	LP	LIGHT POLE



DESIGNED:	INITIAL ISSUE: XX/XX/XX
CHECKED:	REVISIONS:
DRAWN:	△ ---
HORIZONTAL SCALE: 30.000004'	△ ---
VERTICAL SCALE: 6' OR 3'	△ ---

PREPARED FOR:  
**BEACON INTERFAITH HOUSING COLLABORATIVE**  
 2610 UNIVERSITY AVENUE WEST, SUITE 100  
 ST. PAUL, MN 55114

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

XX  
 DATE: XX/XX/XX LICENSE NO. XX

**PRAIRIE POINTE**  
 SHAKOPEE, MN

**Westwood**  
 Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
 Fax (952) 937-5822 Minnetonka, MN 55343  
 Toll Free (888) 937-5150 westwoodps.com  
 Westwood Professional Services, Inc.

PRELIMINARY UTILITY PLAN  
 SHEET NUMBER: **C300** OF **5**  
 PROJECT NUMBER: 0026679.00 DATE: XX/XX/XX

### Preliminary Plant Schedule

SYMBOL	QTY.	COMMON/BOTANICAL NAME	SIZE	SPACING O.C.	SPACING O.C.
OVERSTORY DECIDUOUS TREES	37	Autumn Blaze Maple / Acer x freemanii 'Jeffersred'	2.5" BB	AS SHOWN	H 50'-60" W 40'
		Sienna Glen Maple / Acer x freemanii 'Sienna'	2.5" BB	AS SHOWN	H 40'-50" W 35'-40'
		Red Sunset Maple / Acer rubrum 'Franksred'	2.5" BB	AS SHOWN	H 45' W 35'
		Fall Fiesta Maple / Acer saccharum 'Baista'	2.5" BB	AS SHOWN	H 50'-75' W 50'
		Skyline Honeylocust / Gleditsia tricanthos var. inermis 'Skycole'	2.5" BB	AS SHOWN	H 50' W 35'-40'
		Red Oak / Quercus rubra	2.5" BB	AS SHOWN	H 50'-70' W 40'-50'
		Northern Pin Oak / Quercus ellipsoidalis	2.5" BB	AS SHOWN	H 50'-60' W 40'-50'
		Swamp White Oak / Quercus bicolor	2.5" BB	AS SHOWN	H 50'-60' W 40'
		Princeton Elm / Ulmus americana 'Princeton'	2.5" BB	AS SHOWN	H 60'-80' W 40'-60'
		Accolade Elm / Ulmus japonica x wilsoniana 'Morton'	2.5" BB	AS SHOWN	H 70' W 40'-50'
		Frontyard Linden / Tilia americana 'Frontyard'	2.5" BB	AS SHOWN	H 60'-70' W 30'-40'
		Redmond Linden / Tilia americana 'Redmond'	2.5" BB	AS SHOWN	H 40'-60' W 30'
		Autumn Gold Ginkgo / Ginkgo biloba 'Autumn Gold'	2.5" BB	AS SHOWN	H 50' W 30'
		Hackberry / Celtis occidentalis	2.5" BB	AS SHOWN	H 50'-75' W 50'
River Birch / Betula nigra	10' HT. BB CLUMP	AS SHOWN	H 50'-75' W 50'		
BUFFER EVERGREEN TREES	34	Black Hills Spruce / Picea glauca densata	6' HT. BB	AS SHOWN	H 30'-40' W 20'-30'
		Norway Spruce / Picea abies	6' HT. BB	AS SHOWN	H 60'-80' W 25'-30'
		White Pine / Pinus strobus	6' HT. BB	AS SHOWN	H 70' W 40'-50'
		Concolor Fir / Abies concolor	6' HT. BB	AS SHOWN	H 40'-50' W 15'-30'
ORNAMENTAL TREES	12	Thornless Cockspur Hawthorn / Crataegus crusgalli 'Inermis'	2" BB	AS SHOWN	H 15'-20' W 15'-20'
		Japanese Tree Lilac / Syringa reticulata	6' HT. BB CLUMP	AS SHOWN	H 25'-30' W 20'-25'
		Allegheny Serviceberry / Amelanchier laevis	6' HT. BB CLUMP	AS SHOWN	H 15'-25' W 15'-25'
		Quaking Aspen / Populus tremuloides	2" BB	AS SHOWN	H 40'-60' W 20'-30'
		Prairie Rose Crab / Malus 'Prairie Rose'	2" BB	AS SHOWN	H 20' W 20'

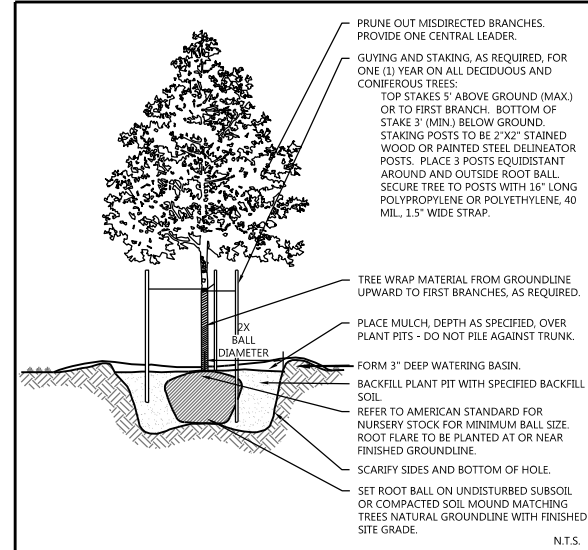
NOTES: QUANTITIES ON PLAN SUPERSEDE LIST QUANTITIES IN THE EVENT OF A DISCREPANCY. REFER TO FINAL LANDSCAPE PLANS FOR SPECIES LOCATIONS AND QUANTITIES.

### Multi Family Landscape Requirements

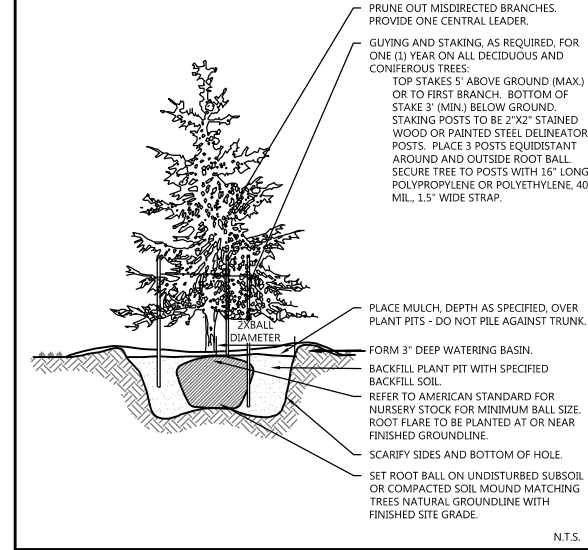
MULTI FAMILY LANDSCAPE REQUIRED:	79 TREES
MULTI FAMILY RESIDENTIAL REQUIREMENTS:	35 TREES
- FOR ALL RESIDENTIAL USES CONTAINING SIX OR MORE DWELLINGS AT LEAST 15% OF THE LOT AREA SHALL BE LANDSCAPED WITH GRASS, SHRUBS, AND TREES. (BUILDING FOOTPRINT: 19,770 SF)	
BUILDING FOOTPRINT AREA	REQUIRED LANDSCAPING
FIRST 10,000 SF	2 TREES/1,000 SF
10,001 TO 50,000 SF	ADDITIONAL 1.5 TREES / 1,000 SF
IMPERVIOUS REQUIREMENTS:	15 TREES
- FOR PROJECTS WITH IMPERVIOUS AREAS THAT EXCEED 4,000 SF, ONE SHADE TREE SHALL BE REQUIRED FOR EACH 4,000 SF OF IMPERVIOUS AREA. (TOTAL SITE IMPERVIOUS AREA: 57,285 SF)	
PARKING REQUIREMENTS:	9 TREES
- A PARKING LOT CONTAINING MORE THAN 25 PARKING SPACES SHALL HAVE A MINIMUM OF 1 SHADE TREE EVERY 10 SPACES. (TOTAL PARKING SPACES: 90 SPACES)	

### Multi Family Landscape Provisions

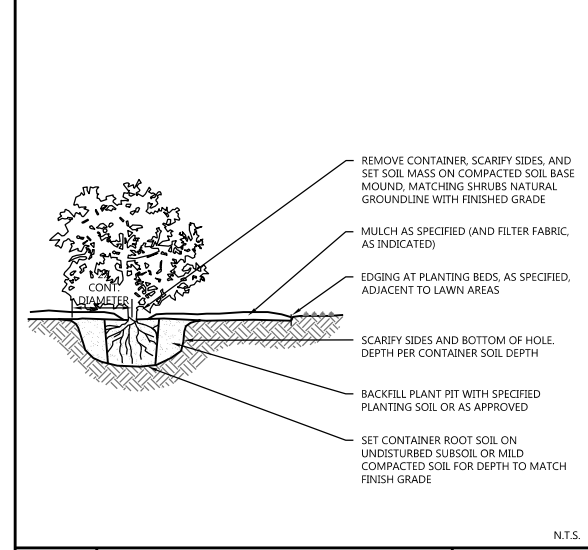
TOTAL SINGLE FAMILY LANDSCAPING PROVIDED:	83 TREES
* DECIDUOUS TREES:	37 TREES
* EVERGREEN TREES:	34 TREES
* ORNAMENTAL TREES:	12 TREES



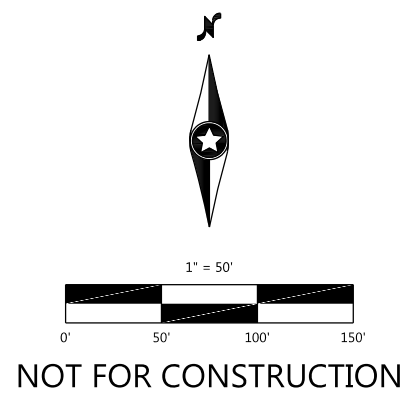
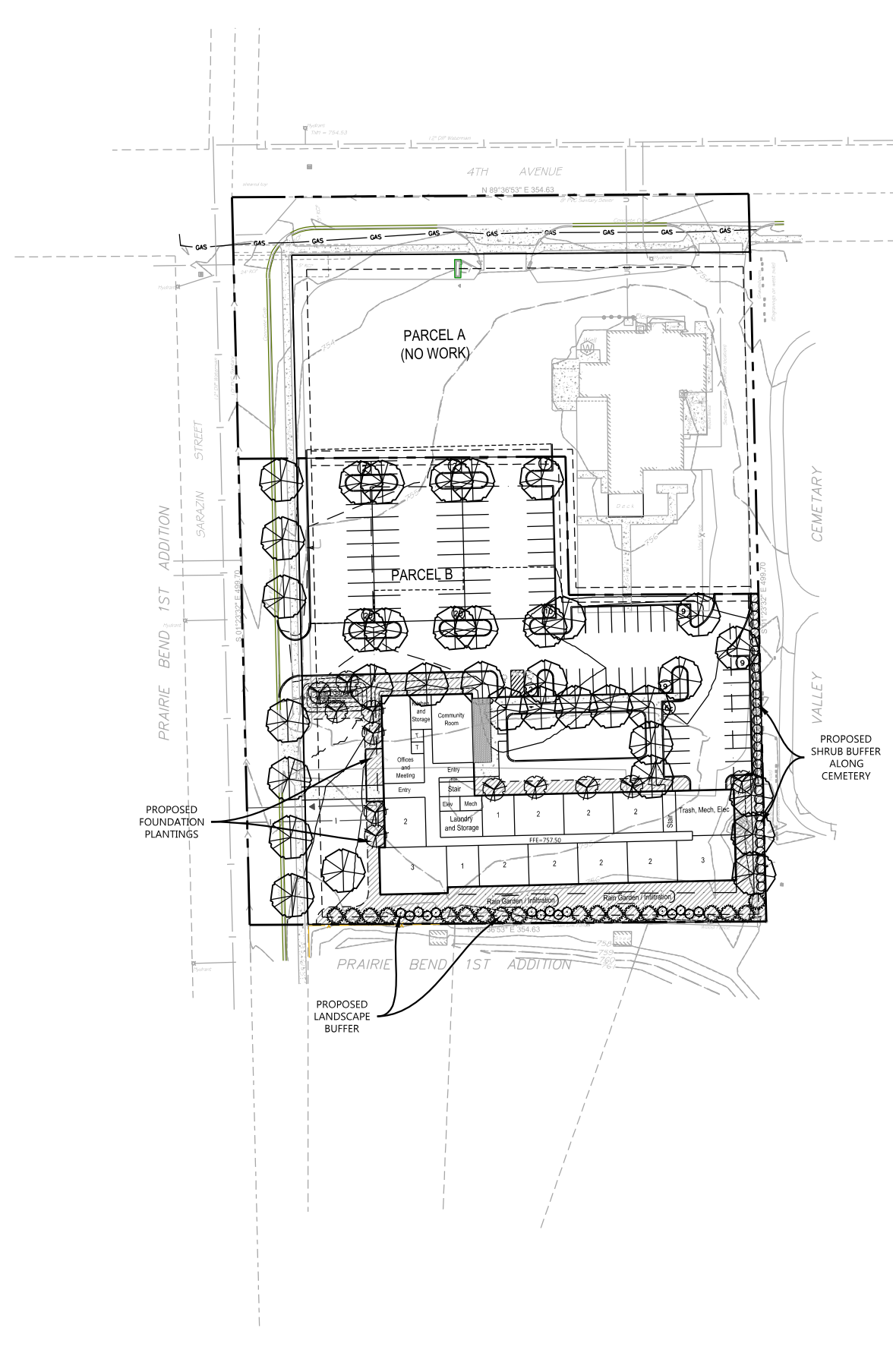
Westwood DECIDUOUS TREE PLANTING LAST REVISED: 10/19/18 LA28



Westwood EVERGREEN TREE PLANTING LAST REVISED: 10/19/18 LA29



Westwood SHRUB & PERENNIAL CONTAINER PLANTING LAST REVISED: 10/22/18 LA27-C



© 2020 Westwood Professional Services, Inc. N:\0026679\00\DWG\CIVIL\PRELIM\0026679-PP01.DWG

PRAIRIE POINT

DESIGNED:	INITIAL ISSUE: XX/XX/XX
CHECKED:	REVISIONS:
DRAWN:	△ ---
HORIZONTAL SCALE: 50.000004'	△ ---
VERTICAL SCALE: 10' OR 5'	△ ---

PREPARED FOR:  
**BEACON INTERFAITH HOUSING COLLABORATIVE**  
2610 UNIVERSITY AVENUE WEST, SUITE 100  
ST. PAUL, MN 55114

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

XX  
DATE: XX/XX/XX LICENSE NO. XX

**PRAIRIE POINT**  
SHAKOPEE, MN

**Westwood**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 westwoodps.com  
Westwood Professional Services, Inc.

PRELIMINARY LANDSCAPE PLAN

SHEET NUMBER: **L100** OF **5**

PROJECT NUMBER: 0026679.00 DATE: XX/XX/XX