

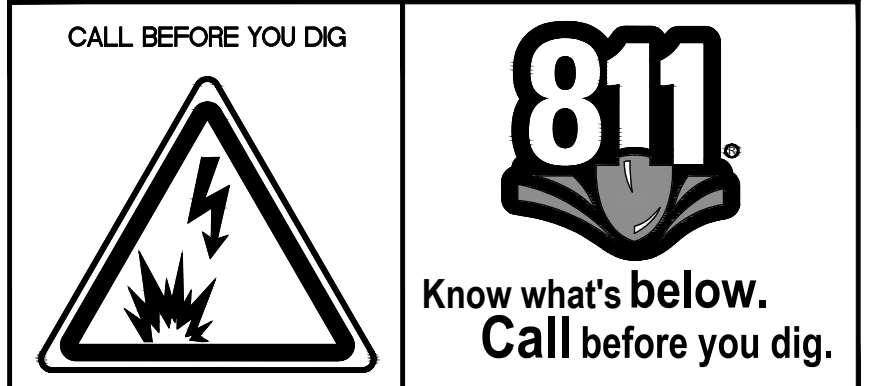
CITY OF RAMSEY LANDSCAPE REQUIREMENTS

- MINIMUM PLANTINGS. MINIMUM OF TWO (2) TREES REQUIRED PER DWELLING UNIT. THE COMPLEMENT OF TREES FULFILLING THE LANDSCAPING REQUIREMENTS SHALL NOT BE LESS THAN 25 PERCENT DECIDUOUS AND NOT LESS THAN 25 PERCENT CONIFEROUS. NOT MORE THAN 25 PERCENT OF THE REQUIRED PLANTINGS SHALL CONSIST OF ORNAMENTAL OR UNDERSTORY TREES.
 - TREES REQUIRED = 540 (270 UNITS x 2)
 - TREES PROVIDED = 444 OVERSTORY TREES (68%)
 - 163 CONIFEROUS TREES (25%)
 - 46 ORNAMENTAL TREES (7%)
 - 653 TREES TOTAL (INCLUDES ADDITIONAL TREES FOR SCREENING ALONG WEST AND NORTH PROPERTY LINES)
- RESIDENTIAL DEVELOPMENT TRANSITIONING. LEVEL 3 BUFFER REQUIRED BETWEEN PROPOSED R-1 ZONE DEVELOPMENT AND EXISTING R-1 RURAL DEVELOPING.
 - VEGETATIVE BUFFER 'C' = 45' WIDTH BUFFER INCLUDING 24 TREES PER 100 LF AS FOLLOWS.
 - 8 OVERSTORY TREES
 - 8 EVERGREEN TREES
 - 8 UNDERSTORY TREES
 - OVERSTORY TREES REQUIRED = 66 (815 LF / 100' x 8)
 - OVERSTORY TREES PROVIDED = 66
 - EVERGREEN TREES REQUIRED = 66 (815 LF / 100' x 8)
 - EVERGREEN TREES PROVIDED = 66
 - ORNAMENTAL TREES REQUIRED = 66 (815 LF / 100' x 8)
 - ORNAMENTAL TREES PROVIDED = 66

TOTAL TREES PROVIDED = 851

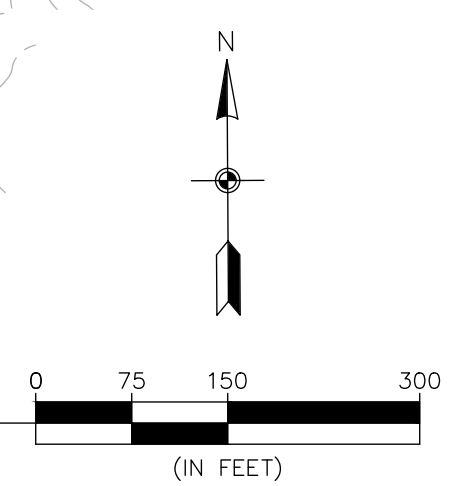
ZONING = R1 RURAL DEVELOPING

815 LF RESIDENTIAL TRANSITION ZONE



LANDSCAPE PLAN NOTES

- EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION START. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER/LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING OR APPROVING ANY ADDITIONAL WORK REQUIRED.
- UTILITY LOCATES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL PUBLIC AND PRIVATE UTILITIES, INCLUDING IRRIGATION LINES, AT LEAST 48 HOURS BEFORE EXCAVATING OR IN ACCORDANCE WITH STATE LAW. IN MINNESOTA, CALL GOPHER STATE ONE-CALL AT 651-454-0000 FOR FIELD LOCATION OF PUBLIC UNDERGROUND UTILITY LINES. ALL LOCATES AND ITEMS NOTED AS 'FIELD VERIFY' ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR AT THEIR EXPENSE.
- PERMITS. CONTRACTOR SHALL VERIFY WITH THE OWNER/LANDSCAPE ARCHITECT THAT THE REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION START. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES, REGULATIONS, AND PERMITS GOVERNING THE WORK.
- EXISTING ITEMS TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING PAVEMENT, STRUCTURES, UTILITIES, TREES, SITE AMENITIES, ETC. THAT ARE TO REMAIN FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTOR'S EXPENSE) TO EXISTING ITEMS TO REMAIN.
- CONSTRUCTION STAGING AND ACCESS. CONTRACTOR SHALL VERIFY THE LOCATION FOR CONSTRUCTION STAGING AND SITE ACCESS WITH THE OWNER/LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION START. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PEDESTRIAN AND VEHICLE ACCESS WITHIN AND ADJACENT TO THE SITE THROUGHOUT THE CONSTRUCTION PERIOD UNLESS OTHERWISE NOTED. LONG-TERM STORAGE OF MATERIALS OR SUPPLIES ON-SITE WILL NOT BE PERMITTED. ALL WASTE AND/OR UNUSED MATERIAL SHALL BE PROMPTLY REMOVED FROM THE SITE.
- SITE REMOVALS. REFER TO CIVIL PLANS FOR GENERAL SITE REMOVALS. ALL ITEMS NOTED TO BE REMOVED SHALL BE COMPLETED BY THE CONTRACTOR AND IMMEDIATELY DISPOSED OF OFF-SITE, IN ACCORDANCE WITH LOCAL REGULATIONS, UNLESS OTHERWISE NOTED. COORDINATE WITH OWNER/LANDSCAPE ARCHITECT FOR ANY ITEMS NOTED AS 'REMOVED BY OTHERS' OR 'REMOVE AND SALVAGE.'
- UTILITY COORDINATION. REFER TO CIVIL PLAN SHEETS FOR INFORMATION RELATED TO PROPOSED UTILITIES. COORDINATE WITH ELECTRICAL CONTRACTORS FOR SITE ELECTRICAL WORK AND SITE LIGHTING.
- CONSTRUCTION STAKING. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING CONTROL POINTS AND ALL CONSTRUCTION FIELD STAKING DURING THE COURSE OF THE PROJECT.
- DIMENSIONS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT/WALKWAY, OR OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- PLAN QUANTITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MATERIAL QUANTITIES PER PLAN. MATERIAL SCHEDULES ARE PROVIDED SOLELY FOR CONTRACTOR'S CONVENIENCE.
- REFERENCE SPECIFICATIONS. THE FOLLOWING SPECIFICATIONS SHALL GOVERN THIS PROJECT ACCORDING TO THE FOLLOWING ORDER:
 - ADDENDA, WITH THOSE OF A LATER DATE HAVING PRECEDENCE OVER THOSE OF AN EARLIER DATE.
 - LANDSCAPE SPECIFICATIONS.
 - PLAN DRAWINGS.
 - PLANT / MATERIAL SCHEDULES.
 - CITY STANDARD SPECIFICATIONS AND DETAILS.
 - MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION.



1 OVERALL LANDSCAPE PLAN
L1



3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
CARLSONMCCAIN.COM

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota

Print Name: Ryan J. Ruttger, RLA
Signature: *[Signature]*
Date: 9/23/21 License #: 56346

Drawn: RJR
Designed: RJR
Date: 9/23/21

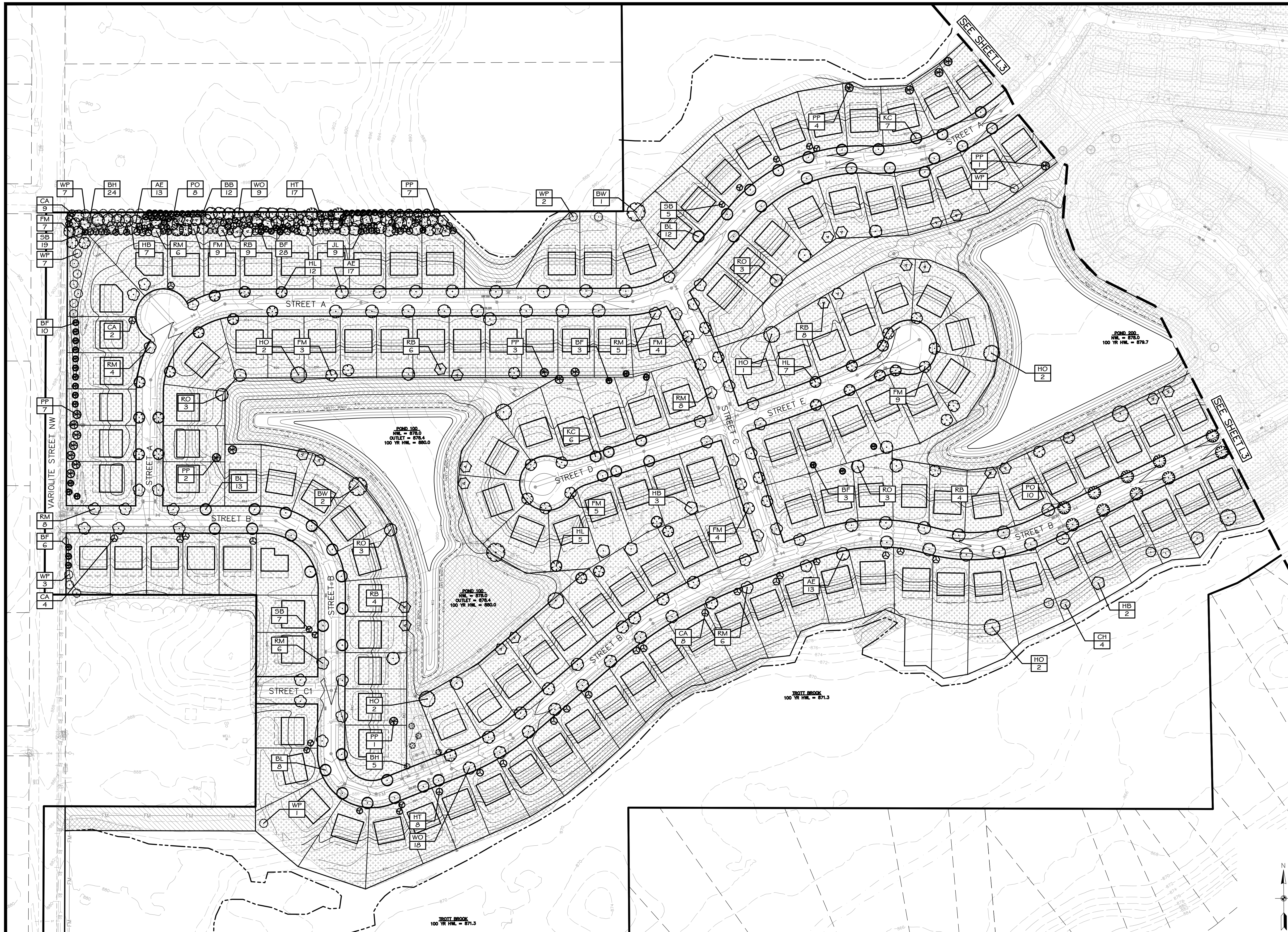
Revisions:
1. 10/19/21 - Density Transition Plantings Added

SOTARRA, LLC
(TEG LAND HOLDINGS, LLC.)
1660 Hwy 100 South, Suite 400
St. Louis Park, Minnesota 55416

TROTT BROOK CROSSING
Ramsey, Minnesota

PRELIMINARY
LANDSCAPE PLAN

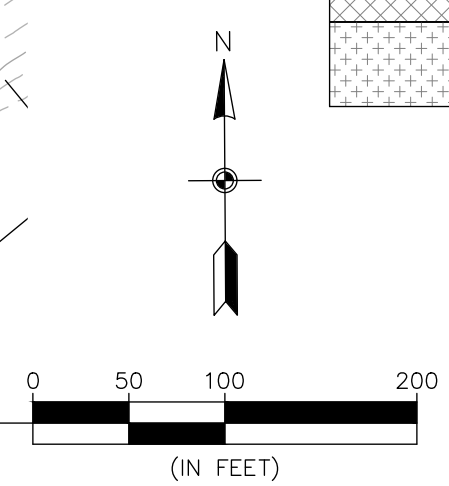
L1 of 4



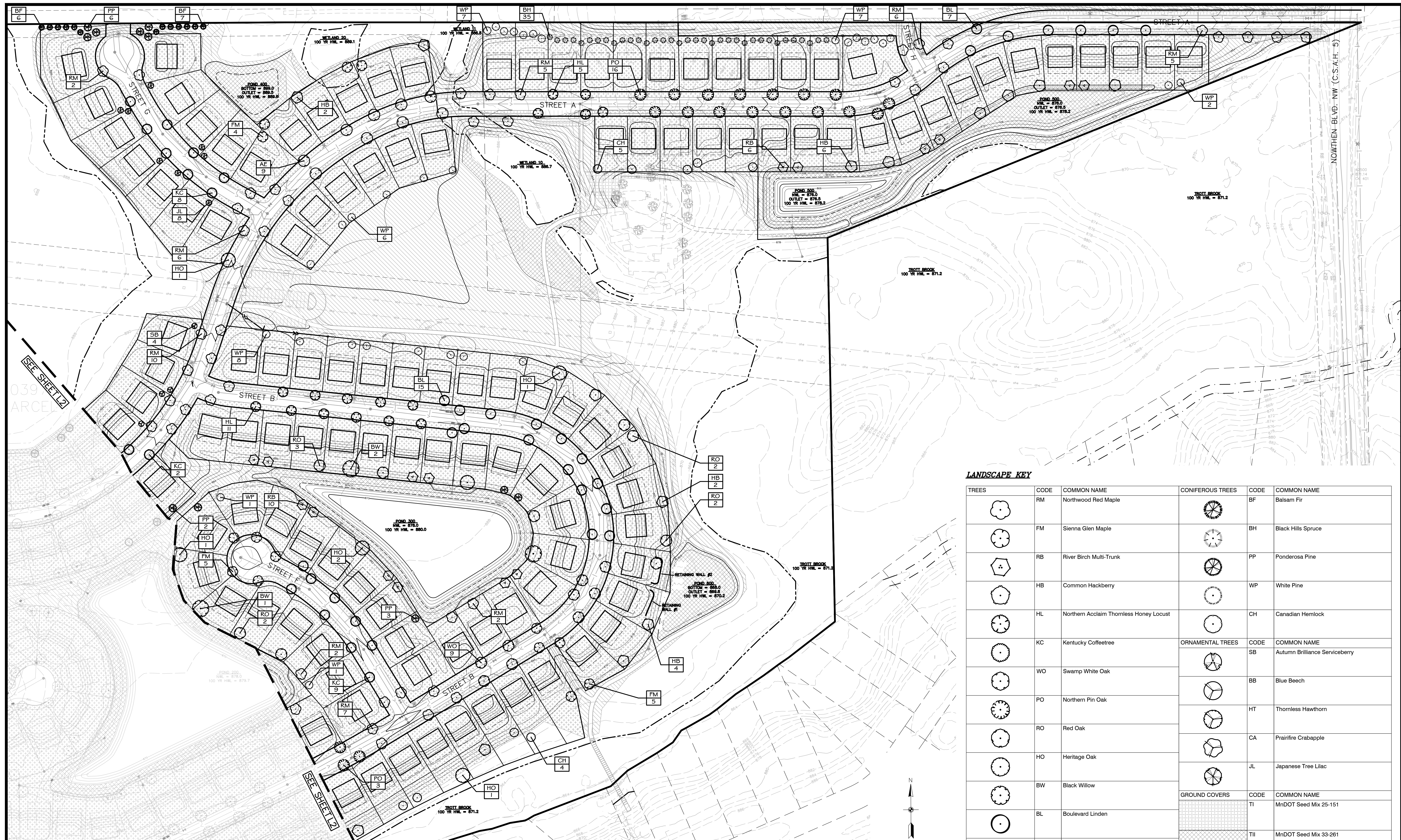
LANDSCAPE KEY

TREES	CODE	COMMON NAME
	RM	Northwood Red Maple
	FM	Sienna Glen Maple
	RB	River Birch Multi-Trunk
	HB	Common Hackberry
	HL	Northern Acclaim Thornless Honey Locust
	KC	Kentucky Coffeetree
	WO	Swamp White Oak
	PO	Northern Pin Oak
	RO	Red Oak
	HO	Heritage Oak
	BW	Black Willow
	BL	Boulevard Linden
	AE	American Elm
CONIFEROUS TREES	CODE	COMMON NAME
	BF	Balsam Fir
	BH	Black Hills Spruce
	PP	Ponderosa Pine
	WP	White Pine
	CH	Canadian Hemlock
ORNAMENTAL TREES	CODE	COMMON NAME
	SB	Autumn Brilliance Serviceberry
	BB	Blue Beech
	HT	Thornless Hawthorn
	CA	Prairifire Crabapple
	JL	Japanese Tree Lilac
GROUND COVERS	CODE	COMMON NAME
	T1	MnDOT Seed Mix 25-151
	T11	MnDOT Seed Mix 33-261
	T111	MnDOT Seed Mix 32-241

1 LANDSCAPE PLAN ENLARGEMENT
L2



<p>CARLSON McCAIN ENGINEERING SURVEYING ENVIRONMENTAL 3890 PHEASANT RIDGE DR NE SUITE 100 BLAINE, MN 55449 TEL 763.489.7900 FAX 763.489.7959 CARLSONMCCAIN.COM</p>	<p>I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota</p>	<p>Print Name: Ryan J. Ruttger, RLA Signature: Date: 9/23/21 License #: 56346</p>	<p>Drawn: RJR Designed: RJR Date: 9/23/21</p>	<p>Revisions: 1. 10/19/21 - Density Transition Plantings Added</p>	<p>SOTARRA, LLC (TEG LAND HOLDINGS, LLC.) 1660 Hwy 100 South, Suite 400 St. Louis Park, Minnesota 55416</p>	<p>TROTT BROOK CROSSING Ramsey, Minnesota</p>	<p>PRELIMINARY LANDSCAPE PLAN</p>	<p>L2 of 4</p>
	<p>Save Date: 10/19/21 F:\Jobs\9461 - 9480\9461 - trotts brook\crossing\landscape\9461_landscape.dwg #9461</p>							

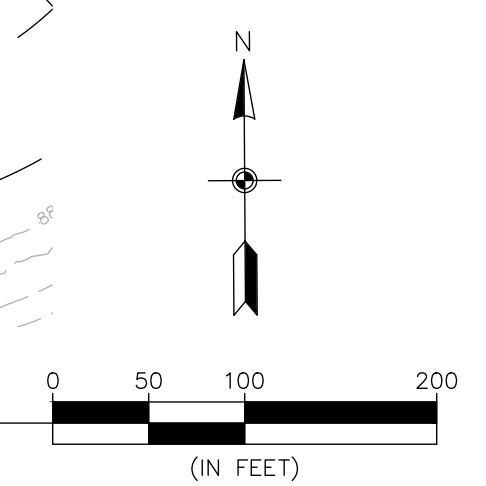


SEE SHEET L2

1 LANDSCAPE PLAN ENLARGEMENT
L3

LANDSCAPE KEY

TREES	CODE	COMMON NAME	CONIFEROUS TREES	CODE	COMMON NAME
	RM	Northwood Red Maple		BF	Balsam Fir
	FM	Sienna Glen Maple		BH	Black Hills Spruce
	RB	River Birch Multi-Trunk		PP	Ponderosa Pine
	HB	Common Hackberry		WP	White Pine
	HL	Northern Acclaim Thornless Honey Locust		CH	Canadian Hemlock
	KC	Kentucky Coffeetree	ORNAMENTAL TREES		
	WO	Swamp White Oak		SB	Autumn Brilliance Serviceberry
	PO	Northern Pin Oak		BB	Blue Beech
	RO	Red Oak		HT	Thornless Hawthorn
	HO	Heritage Oak		CA	Prairiefire Crabapple
	BW	Black Willow		JL	Japanese Tree Lilac
	BL	Boulevard Linden	GROUND COVERS		
	AE	American Elm		TI	MnDOT Seed Mix 25-151
				TI1	MnDOT Seed Mix 33-261
				TI11	MnDOT Seed Mix 32-241



CARLSON McCAIN
ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE
SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
CARLSONMCCAIN.COM

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota
Date: 9/23/21 License #: 56346

Print Name: Ryan J. Rutger, RLA
Signature: *[Signature]*
Date: 9/23/21 License #: 56346

Drawn: RJR
Designed: RJR
Date: 9/23/21

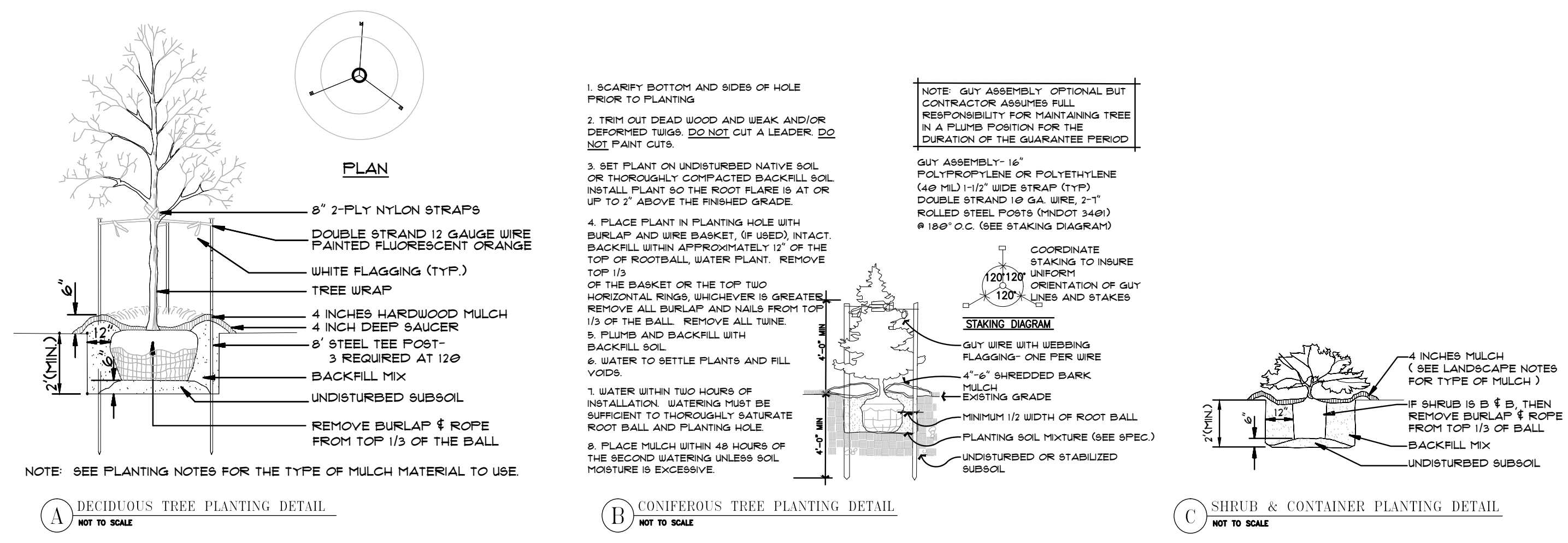
Revisions:
1. 10/19/21 - Density Transition Plantings Added

SOTARRA, LLC
(TEG LAND HOLDINGS, LLC.)
1660 Hwy 100 South, Suite 400
St. Louis Park, Minnesota 55416

TROTT BROOK CROSSING
Ramsey, Minnesota

PRELIMINARY LANDSCAPE PLAN

L3 of 4



LANDSCAPE SPECIFICATIONS

- TREE PROTECTION.** ALL TREES NOT SPECIFICALLY NOTED OR MARKED ON SITE FOR REMOVAL SHALL REMAIN PROTECTED AND UNDISTURBED DURING CONSTRUCTION. TREE PROTECTION SHALL EXTEND TO THE DRIP LINE, WITHIN WHICH NO CONSTRUCTION ACTIVITY, MATERIAL STORAGE, OR VEHICLE PARKING SHALL BE PERMITTED. TREE PROTECTION FENCING SHALL BE ERRECTED PRIOR TO CONSTRUCTION START PER PLANS OR AS DIRECTED BY OWNER/LANDSCAPE ARCHITECT AND SHALL CONSIST OF 4' TALL HEAVY DUTY ORANGE CONSTRUCTION FENCING WITH 6" STEEL FENCE POSTS SPACED 6' O.C. MAX.
- EROSION CONTROL.** REFER TO CIVIL PLAN SHEETS FOR STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND TEMPORARY AND PERMANENT STORMWATER BMPs, INCLUDING SILT FENCE, BIO-RILLS, INLET PROTECTION, EROSION CONTROL BLANKETING, DUST CONTROL, SWEEPING AND ROCK CONSTRUCTION ENTRANCE. ALL DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION IN ACCORDANCE WITH THE LANDSCAPE PLAN WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THE DISTURBED AREA HAS CEASED. IN THE EVENT PERMANENT STABILIZATION CANNOT BE IMPLEMENTED WITHIN 7 DAYS, TEMPORARY STABILIZATION BMPs MUST BE IMPLEMENTED WITHIN 7 DAYS USING.
- CLEARING AND GRUBBING.** CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING ALL AREAS INDICATED AS BEING DISTURBED OR OTHERWISE SHOWN ON PLANS. CLEARING AND GRUBBING SHALL INCLUDE REMOVAL AND DISPOSAL OF ALL TREES, STUMPS, BRUSH, GRASS, ROOTS AND OTHER ORGANIC MATERIAL AT AN APPROVED OFF-SITE DISPOSAL LOCATION.
- SOIL PREPARATION.** REFER TO GEOTECHNICAL REPORT FOR ANY REQUIRED SOIL CORRECTIONS, AMENDMENTS OR ADDITIONAL INFORMATION (IF APPLICABLE). EXISTING TOPSOIL SHALL BE STRIPPED FROM ALL DISTURBED AREAS AND STOCKPILED IN AN APPROVED LOCATION FOR RE-SPREAD. ALL AREAS WHERE SOIL HAS BEEN COMPACTED BY CONSTRUCTION ACTIVITY AND THAT ARE INDICATED TO BE SODDED, SEEDED OR PLANTING BED SHALL BE DE-COMPACTED TO A MINIMUM DEPTH OF 12 INCHES BY SOIL RIPPING, TILLING OR OTHER APPROVED SOIL LOOSENING METHOD.
- TOPSOIL MATERIAL.** ALL EXISTING, AMENDED OR IMPORTED TOPSOIL SHALL MEET THE REQUIREMENTS OF MNDOT TOPSOIL TYPE A. A MINIMUM 4 INCH DEPTH OF TOPSOIL SHALL BE PLACED ON ALL AREAS TO BE SODDED OR SEEDDED. A MINIMUM 12 INCH DEPTH OF TOPSOIL SHALL BE PLACED WITHIN ALL PLANTING BED AREAS. ALL TOPSOIL SHALL BE FINE GRADED, RAKED AND DRAGGED TO PROVIDE A SMOOTH, UNIFORM SURFACE. TOPSOIL GRADES SHALL BE WITHIN 1 FOOT OF INDICATED FINISHED GRADE AND SHALL BE TRUE TO GRADIENTS SHOWN ON PLANS. REFER TO CIVIL PLAN SHEETS FOR FILTRATION BASIN SOIL REQUIREMENTS.
- SEEDING AND TURF ESTABLISHMENT.** CONTRACTOR SHALL OBTAIN OWNER/LANDSCAPE ARCHITECT'S APPROVAL OF FINAL GRADES AND TOPSOIL PREP PRIOR TO SEEDING. APPLY 12-12-12 GRANULAR STARTER FERTILIZER AT A RATE OF 250 LBS PER ACRE PRIOR TO SEEDING. SEEDS SHALL BE SOWN IN 2 PERPENDICULAR PASSES, EACH PASS AT ONE-HALF THE INDICATED RATE, VIA BROADCAST SPREADER, DROP SEEDER OR DRILL SEEDER. FOLLOWING SEED APPLICATION, INSTALL TYPE 3N EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 4:1. IN ALL OTHER AREAS, APPLY HYDROMULCH COVER (MUST BE A SEPARATE OPERATION FROM SEEDING) AT A TARGETED DRY WEIGHT RATE OF 3500 LBS PER ACRE. SOIL SHALL BE KEPT MOIST DURING ESTABLISHMENT WITH ADDITIONAL RE-SEEDING AS NECESSARY TO ACHIEVE A HEALTHY, UNIFORM STAND OF GRASS, FREE OF WEEDS AND WITH COVERAGE EXCEEDING 75% IN ANY 10'x10' AREA PRIOR TO FINAL ACCEPTANCE.
- SODDING.** CONTRACTOR SHALL OBTAIN OWNER/LANDSCAPE ARCHITECT'S APPROVAL OF FINAL GRADES AND TOPSOIL PREP PRIOR TO SODDING. APPLY 12-12-12 GRANULAR STARTER FERTILIZER AT A RATE OF 250 LBS PER ACRE PRIOR TO SODDING AND ROLL TOPSOIL TO CREATE A UNIFORM SURFACE FOR LAYING SOD. SOD SHALL NOT BE CUT MORE THAN 24-HOURS IN ADVANCE OF INSTALLATION. CONTRACTOR SHALL KEEP SOD MOIST FOR A MINIMUM OF 30 DAYS AND SHALL BE RESPONSIBLE FOR MAINTAINING THE SOD UNTIL FINAL ACCEPTANCE.
- PLANT MATERIAL.** ALL PLANTING STOCK SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK," ANSI-Z60, LATEST EDITION, OF THE AMERICAN ASSOCIATION OF NURSEYMEN, INC. AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIALS. OWNER/LANDSCAPE ARCHITECT RESERVE THE RIGHT TO REJECT ANY PLANTS WHICH ARE DEEMED UNSATISFACTORY BEFORE, DURING, OR AFTER INSTALLATION. NO SUBSTITUTION OF PLANT MATERIAL SHALL BE ACCEPTED UNLESS APPROVED IN WRITING BY THE OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- PLANT MATERIAL SUBSTITUTIONS.** ALL REQUESTS FOR PLANT SUBSTITUTIONS SHALL BE MADE IN WRITING TO THE OWNER/LANDSCAPE ARCHITECT AND MUST BE APPROVED BY THE CITY.
- PLANT INSTALLATION AND ESTABLISHMENT.** REFER TO STANDARD PLANTING DETAILS. CONTRACTOR SHALL STAKE TREE LOCATIONS FOR APPROVAL BY OWNER/LANDSCAPE ARCHITECT PRIOR TO PLANTING. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE.
- MULCH MATERIAL.** DOUBLE SHREDDED HARDWOOD MULCH OR ROCK MULCH AS INDICATED ON PLANS. ALL MULCH SHALL BE CLEAN AND FREE OF NOXIOUS WEEDS, SOIL, OR OTHER DELETERIOUS MATERIAL, AND SHALL BE INSTALLED OVER A NON-WOVEN GEOTEXTILE FABRIC (INCIDENTAL) OR OTHER APPROVED WEED BARRIER TO A MINIMUM SETTLED DEPTH OF 4". MULCH SHALL BE HELD BACK FROM PLANT STEMS/TRUNKS A MINIMUM OF 3". WOOD MULCH SHALL BE PLACED AROUND INDIVIDUAL TREES TO A 4' MINIMUM DIAMETER. MULCH SHALL BE INSTALLED WITHIN 48-HOURS OF PLANT INSTALLATION.
- LANDSCAPE EDGING.** INSTALL LANDSCAPE EDGING BETWEEN ALL MULCH AREAS AND TURF. EDGING SHALL BE COMMERCIAL GRADE BLACK POLYETHYLENE OR VINYL EDGING, 0.1 INCH THICK BY 5 INCHES DEEP, V-LIPPED BOTTOM, HORIZONTALLY GROOVED, 1-INCH ROUND TOP, EXTRUDED IN STANDARD LENGTHS, WITH 9-INCH STEEL ANGLE STAKES.
- IRRIGATION.** DESIGN, FURNISH AND INSTALL A COMPLETE UNDERGROUND IRRIGATION SYSTEM FROM APPROVED POINT(S)-OF-CONNECTION WITHIN THE SITE COVERING ALL TURF AND PLANTING AREAS AS SHOWN ON THE LANDSCAPE PLAN. INCLUDES FLOW/PRESSURE TESTING, PLANS WITH DESIGN CALCULATIONS, AS-BUILT DRAWINGS, LABOR, MATERIALS, EQUIPMENT, AND SERVICES FOR THE TESTING, ADJUSTING, RETESTING AND READJUSTING AS REQUIRED TO PLACE THE SYSTEM IN AN APPROVED OPERATING CONDITION. THE IRRIGATION SYSTEM SHALL INCLUDE THE DESIGN AND INSTALLATION OF THE FOLLOWING: PIPING, METER AND BACKFLOW ASSEMBLIES, SPRINKLER HEADS, CABINETS, VALVES AND VALVE BOXES, CONTROLLERS, CONTROL WIRING, FITTINGS, ELECTRICAL CONNECTIONS, QUICK-COUPERS, ALL OTHER NECESSARY ACCESSORIES, SYSTEM MANUALS, 1-YEAR MAINTENANCE PERIOD INCLUDING 1 FALL WINTERIZATION AND 1 SPRING START-UP. IRRIGATION PLANS TO BE PREPARED BY A QUALIFIED IRRIGATION DESIGNER AND SUBMITTED TO OWNER/LANDSCAPE ARCHITECT FOR APPROVAL.
- MAINTENANCE.** MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PORTION OF THE WORK IS IN PLACE. PLANT MATERIAL SHALL BE PROTECTED AND MAINTAINED UNTIL THE INSTALLATION OF THE PLANTS IS COMPLETE. INSPECTION HAS BEEN MADE, AND PLANTINGS ARE ACCEPTED EXCLUSIVE OF THE GUARANTEE. MAINTENANCE SHALL INCLUDE MOWING, TRIMMING, WATERING, FERTILIZING, WEED AND PESTICIDE CONTROL, MULCHING, REMOVAL OF DEAD MATERIALS, RE-SETTING PLANTS TO PROPER GRADE AND KEEPING PLANTS IN A PLUMB POSITION. AFTER ACCEPTANCE, THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES, HOWEVER, THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR ALL PLANT MATERIAL THROUGH THE COMPLETION OF THE WARRANTY PERIOD.
- WATERING.** UPON ESTABLISHMENT OF SEED AND INSTALLATION OF PLANTS, CONTRACTOR SHALL MAINTAIN A WATERING SCHEDULE WHICH WILL THOROUGHLY WATER ALL PLANTS AND TURF AREAS A MINIMUM OF ONCE A WEEK. MORE FREQUENT WATERING MAY BE REQUIRED DURING PERIODS OF HOT, DRY WEATHER. CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR WATER IN THE ABSENCE OF PERMANENT IRRIGATION, TEMPORARY IRRIGATION, TREE WATERING BAGS, OR HAND-WATERING ARE ACCEPTABLE.
- NATIVE PLANT ESTABLISHMENT.** THIS PROJECT INCLUDES ONE OR MORE NATIVE PLANT SEED MIXES CONSISTING OF A VARIETY OF GRASSES, SEDGES AND FLOWERING FORBS. BECAUSE THESE PLANTS TYPICALLY HAVE A LONGER GERMINATION PERIOD, A COVER CROP SPECIES IS REQUIRED TO PROVIDE TEMPORARY COVER AND STABILIZATION. MAINTENANCE OF THESE SEEDED AREAS IS CRITICAL DURING THE FIRST SEVERAL YEARS TO ESTABLISH A SUCCESSFUL NATIVE PLANT COMMUNITY. SEEDED AREAS SHALL BE MOWED / WEED-WHIPPED TO A HEIGHT OF 6-10 INCHES IN MID-JULY AND EARLY SEPTEMBER DURING THE FIRST 2-3 YEARS OF ESTABLISHMENT. IN ADDITION, ALL NON-NATIVE SPECIES / WEEDS SHALL BE SPOT SPRAYED NO LESS THAN 3 TIMES A YEAR WITH HERBICIDE BY A LICENSED APPLICATOR. RE-SEEDING AS NECESSARY SHALL OCCUR IN MAY. A NATIVE PLANT COMMUNITY SHALL BE CONSIDERED SUCCESSFULLY ESTABLISHED NO SOONER THAN 3 YEARS AFTER INITIAL SEEDING - ONCE THE COVER CROP HAS BEEN SUFFICIENTLY REPLACED BY NATIVE PLANTS AND THE AREA IS FREE OF ALL NON-NATIVE AND INVASIVE SPECIES. AT THIS TIME, MAINTENANCE CAN BE REDUCED TO MOWING / WEED-WHIPPING TO A HEIGHT OF 6-10 INCHES ONCE A YEAR IN EARLY SEPTEMBER AND SPOT SPRAYING OF HERBACIDE ONLY AS NEEDED.
- FINAL ACCEPTANCE.** UPON SUBSTANTIAL COMPLETION OF THE WORK, CONTRACTOR SHALL REQUEST FINAL ACCEPTANCE OF THE WORK IN WRITING BY THE OWNER/LANDSCAPE ARCHITECT. IF ANY WORK IS FOUND TO BE INCOMPLETE OR UNSATISFACTORY IN THE OPINION OF THE OWNER/LANDSCAPE ARCHITECT, A WRITTEN PUNCH LIST WILL BE PREPARED LISTING ALL ITEMS THAT REQUIRE COMPLETING OR CORRECTING BEFORE FINAL ACCEPTANCE.
- WARRANTY.** ALL PLANTS, MATERIALS AND WORKSMANSHIP SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS OTHERWISE SPECIFIED. THE GUARANTEE SHALL COVER THE FULL COST OF REPLACEMENT INCLUDING LABOR AND MATERIAL.

PLANT SCHEDULE						
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	RM	88	Acer rubrum 'Northwood'	Northwood Red Maple	2' Cal.	B&B
	FM	55	Acer x freemianii 'Sienna'	Sienna Glen Maple	2' Cal.	B&B
	RB	47	Betula nigra Clump Form, 2' Cal Equivalent	River Birch Multi-Trunk	7' Ht.	B&B
	HB	26	Celtis occidentalis	Common Hackberry	2' Cal.	B&B
	HL	40	Gleditsia triacanthos inermis 'Harve'	Northern Acclaim Thornless Honey Locust	2' Cal.	B&B
	KC	32	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	2' Cal.	B&B
	WO	36	Quercus bicolor	Swamp White Oak	2' Cal.	B&B
	PO	37	Quercus ellipsoidalis	Northern Pin Oak	2' Cal.	B&B
	RO	21	Quercus rubra	Red Oak	2' Cal.	B&B
	HO	15	Quercus x macdanielii 'Clemons' TM	Heritage Oak	2' Cal.	B&B
	BW	6	Salix nigra	Black Willow	2' Cal.	B&B
	BL	55	Tilia americana 'Boulevard'	Boulevard Linden	2' Cal.	B&B
	AE	52	Ulmus americana 'Princeton'	American Elm	2' Cal.	B&B
CONIFEROUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	BF	63	Abies balsamea	Balsam Fir	6' Ht.	B&B
	BH	64	Picea glauca densata	Black Hills Spruce	6' Ht.	B&B
	PP	36	Pinus ponderosa	Ponderosa Pine	6' Ht.	B&B
	WP	53	Pinus strobus	White Pine	6' Ht.	B&B
	CH	13	Tsuga canadensis	Canadian Hemlock	6' Ht.	B&B
ORNAMENTAL TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	SB	35	Amelanchier x grandiflora 'Autumn Brilliance' Clump Form, 1.5' Cal Equivalent	Autumn Brilliance Serviceberry	7' Ht.	B&B
	BB	12	Carpinus caroliniana	Blue Beech	1.5' Cal.	B&B
	HT	25	Crataegus crus-galli 'Inermis'	Thornless Hawthorn	1.5' Cal.	B&B
	CA	23	Malus x 'Prairifire' Red Flowers	Prairifire Crabapple	1.5' Cal.	B&B
	JL	17	Syringa reticulata White Flowers	Japanese Tree Lilac	1.5' Cal.	B&B
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	TI	49,980 sf	Type I - Turf Seed Mix	MnDOT Seed Mix 25-151	seed	
	TII	416,276 sf	Type II - Stormwater Seed Mix	MnDOT Seed Mix 33-261	seed	
	TIII	3,616,206 sf	Type III - Native Construction Seed Mix	MnDOT Seed Mix 32-241	seed	
	TIV	560,108 sf	Type IV - Buffer Seed Mix	MnDOT Seed Mix 35-241	seed	

CARLSON McCAIN
ENGINEERING SURVEYING ENVIRONMENTAL
3890 PHEASANT RIDGE DR NE SUITE 100
BLAINE, MN 55449
TEL 763.489.7900
FAX 763.489.7959
CARLSONMCCAIN.COM

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota
Print Name: Ryan J. Rutiger, RLA
Signature:
Date: 9/23/21 License #: 56346

Drawn: RJR
Designed: RJR
Date: 9/23/21

Revisions:
1. 10/19/21 - Density Transition Plantings Added

SOTARRA, LLC
(TEG LAND HOLDINGS, LLC.)
1660 Hwy 100 South, Suite 400
St. Louis Park, Minnesota 55416

TROTT BROOK CROSSING
Ramsey, Minnesota

PRELIMINARY LANDSCAPE PLAN

L4 of 4