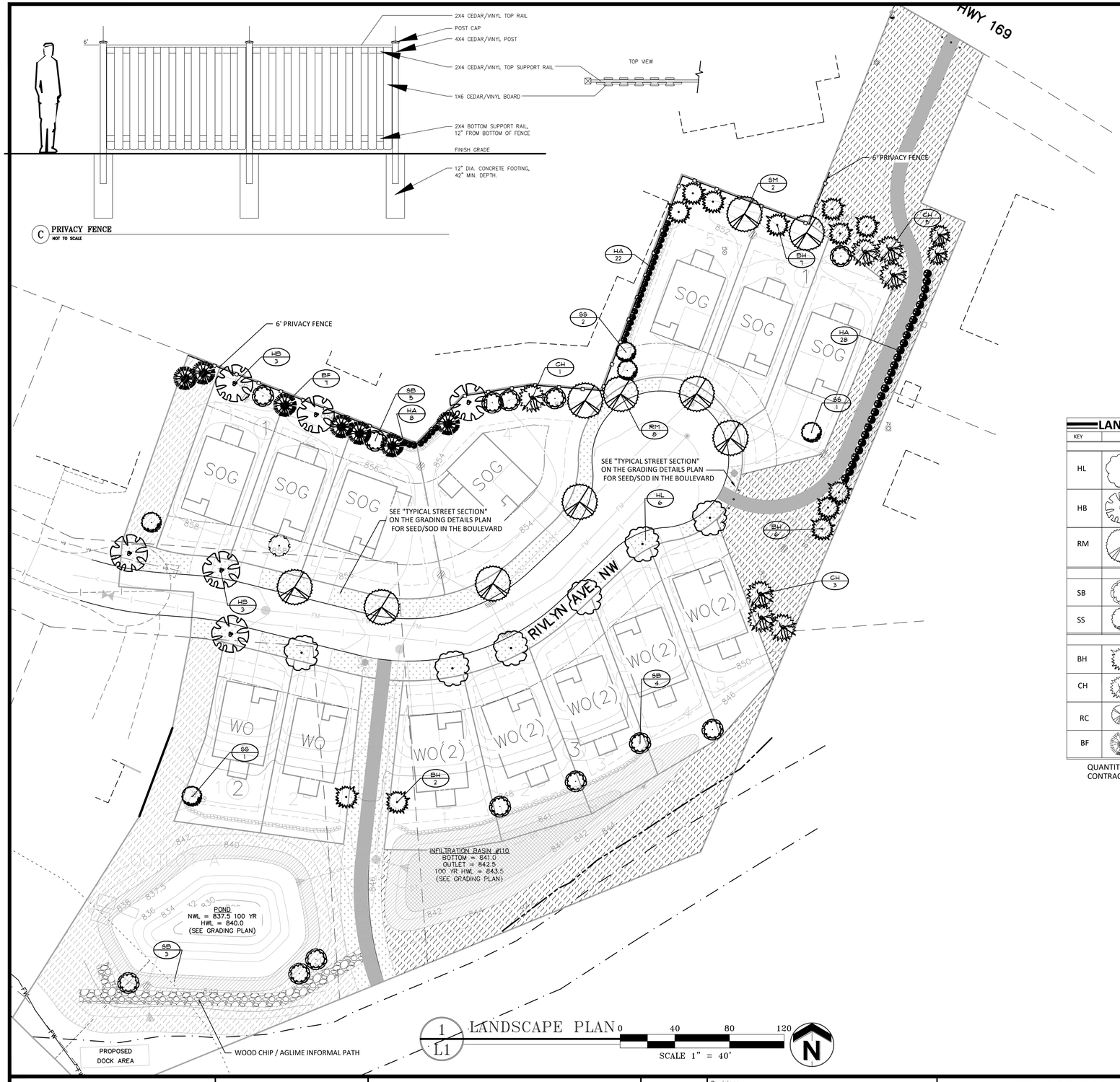
C **PRIVACY FENCE**
NOT TO SCALE



1 L1 LANDSCAPE PLAN
SCALE 1" = 40'
0 40 80 120

CITY of RAMSEY LANDSCAPE CODE

- OVERSTORY / EVERGREEN TREES

MINIMUM OF TWO TREES PER LOT (14 Lots x 2)	= 28 TREES
• TREE PRESERVATION REPLACEMENT TREES	= 78 TREES
TOTAL REQUIRED	= 106 TREES
• TOTAL TREES PROPOSED ON SITE	=127 TREES

* TWO TREES PER LOT SHALL BE INSTALLED BY THE BUILDER/HOMEOWNER.

SEED MIX LEGEND (FOR ALL SHEETS)

SYM.	TYPE	SEED MIX
	NATIVE WET PRAIRIE	MN SEED MIX ***34-371*** (OLD BWSR W3)
	WETLAND FRINGE	MN SEED MIX ***33-261*** (OLD BWSR U6)
	COMMERCIAL TURF - SOD	SOD
	MNDOT 260 ALL AREAS DISTURBED BY CONSTRUCTION NOT INTENDED SODDED, OR RETENTION BASINS	MN SEED MIX ***25-131*** (OLD MNDOT 260) & (USE EROSION CONTROL BLANKET FOR SLOPES OVER 3:1)
	MESIC GENERAL ROADSIDE FOR GENERAL STABILIZATION OF PAD AREAS	MN SEED MIX ***25-131*** (USE EROSION CONTROL BLANKET FOR SLOPES OVER 3:1)
	HARDWOOD MULCH SHREDDED HARDWOOD MULCH	(NATURAL COLOR)
	1/2" CRUSHED GRANITE	CRUSHED QUARRY GRANITE

LANDSCAPE LEGEND

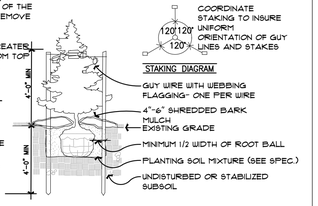
KEY		BOTANICAL NAME	COMMON NAME	SIZE	ROOT	QTY.	INSTALL HEIGHT	MATURE HEIGHT	
		DECIDUOUS TREES							
HL		Gleditsia triacanthos var. inermis 'Shademaster'	SHADEMASTER HONEYLOCUST	2.5"	BB	6	10'	50'	STRAIT LEADER NO "V" CROTCH
HB		Celtis occidentalis	HACKBERRY	2.5"	BB	6	15'	50'	
RM		Acer rubrum 'Nothwoods'	NORTHWOODS MAPLE	2.5"	BB	10	14'	50'	
		ORNAMENTAL TREES							
SB		Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	1.5"	BB	13	8'	20'	STRAIT LEADER NO "V" CROTCH
SS		Malus x 'Spring Snow'	SPRING SNOW CRABAPPLE	1.5"	BB	5	8'	25'	
		EVERGREEN TREES							
BH		Picea glauca var. Densata	BLACK HILLS SPRUCE	6'	BB	12	6'	40'	FULL FORM TO GRADE
CH		Tsuga canadensis	CANADIAN HEMLOCK	6'	BB	9	6'	40'	
RC		Thuja occidentalis 'Holmstrup'	HOLMSTRUP ARBORVITAE	5'	BB	58	4'	10'	
BF		Abies Balsamea	BALSAM FIR	6'	BB	7	6'	40'	

QUANTITIES SHOWN IN THE PLANTING SCHEDULE ARE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON THE PLAN.

1. SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING
2. TRIM OUT DEAD WOOD AND WEAK AND/OR DEFORMED TWIGS. DO NOT CUT A LEADER. DO NOT PAINT CUTS.
3. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED BACKFILL SOIL INSTALL PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.
4. PLACE PLANT IN PLANTING HOLE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT. BACKFILL WITHIN APPROXIMATELY 12" OF THE TOP OF ROOTBALL, WATER PLANT. REMOVE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS, WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM TOP 1/3 OF THE BALL. REMOVE ALL TWINE.
5. PLUMB AND BACKFILL WITH BACKFILL SOIL
6. WATER TO SETTLE PLANTS AND FILL VOIDS.
7. WATER WITHIN TWO HOURS OF INSTALLATION. WATERING MUST BE SUFFICIENT TO THOROUGHLY SATURATE ROOT BALL AND PLANTING HOLE.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

NOTE: GUY ASSEMBLY OPTIONAL BUT CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR MAINTAINING TREE IN A PLUMB POSITION FOR THE DURATION OF THE GUARANTEE PERIOD

GUY ASSEMBLY- 16" POLYPROPYLENE OR POLYETHYLENE (40 MIL) 1-1/2" WIDE STRAP (TYP) DOUBLE STRAND 10 GA. WIRE, 2-T" ROLLED STEEL POSTS (MNDOT 3401) @ 180° O.C. (SEE STAKING DIAGRAM)



B **CONIFEROUS TREE PLANTING DETAIL**
NOT TO SCALE

PLANTING NOTES

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE AND BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE LANDSCAPE LEGEND.
2. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
3. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS WHICH ARE DEEMED UNSATISFACTORY BEFORE, DURING, OR AFTER INSTALLATION.
4. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE ACCEPTED UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
5. ALL PLANTING STOCK SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK," ANSI–Z60, LATEST EDITION, OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIALS.
6. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED TO THE DRIP LINE FROM ALL CONSTRUCTION TRAFFIC, STORAGE OF MATERIALS ETC. WITH 4' HT. ORANGE PLASTIC SAFETY FENCING ADEQUATELY SUPPORTED BY STEEL FENCE POSTS 6' O.C. MAXIMUM SPACING.
7. ALL PLANT MATERIAL QUANTITIES, SHAPES OF BEDS AND LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN AND ADJUSTED TO CONFORM TO THE EXACT CONDITIONS OF THE SITE. THE LANDSCAPE ARCHITECT SHALL APPROVE THE STAKING LOCATION OF ALL PLANT MATERIALS PRIOR TO INSTALLATION.
8. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
9. MULCH: SHREDDED HARDWOOD MULCH, CLEAN AND FREE OF NOXIOUS WEEDS OR OTHER DELETERIOUS MATERIAL, IN ALL MASS PLANTING BEDS AND FOR TREES, UNLESS INDICATED AS ROCK MULCH ON DRAWINGS. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY ON–SITE FOR APPROVAL. DELIVER MULCH ON DAY OF INSTALLATION. USE 4" FOR SHRUB BEDS, AND 3" FOR PERENNIAL/GROUND COVER BEDS, UNLESS OTHERWISE DIRECTED.
10. PLACE LANDSCAPE FILTER FABRIC UNDER ALL MULCHED AREAS. FILTER FABRIC SHALL BE 100% INTERWOVEN 5.1oz NEEDLE PUNCHED POLYPROPYLENE FABRIC MANUFACTURED BY DEWITT. USE PRO 5 "WEED BARRIER" OR APPROVED EQUAL.
11. PLACE EDGING BETWEEN ALL PLANTING/ROCK BEDS AND TURF. EDGING SHALL BE POLY.
12. THE PLAN TAKES PRECEDENCE OVER THE LANDSCAPE LEGEND IF DISCREPANCIES EXIST. THE SPECIFICATIONS TAKE PRECEDENCE OVER THE PLANTING NOTES AND GENERAL NOTES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MULCHES AND PLANTING SOIL QUANTITIES TO COMPLETE THE WORK SHOWN ON THE PLAN. VERIFY ALL QUANTITIES SHOWN ON THE LANDSCAPE LEGEND.
14. LONG–TERM STORAGE OF MATERIALS OR SUPPLIES ON–SITE WILL NOT BE ALLOWED.
15. THE CONTRACTOR SHALL KEEP PAVEMENTS, PLANTERS AND BUILDINGS CLEAN AND UNSTAINED. ALL PEDESTRIAN AND VEHICLE ACCESS TO BE MAINTAINED THROUGHOUT CONSTRUCTION PERIOD. ALL WASTES SHALL BE PROMPTLY REMOVED FROM THE SITE. ANY PLANT STOCK NOT PLANTED ON DAY OF DELIVERY SHALL BE HEELED IN AND WATERED UNTIL INSTALLATION. PLANTS NOT MAINTAINED IN THIS MANNER WILL BE REJECTED. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAVED AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES, REGULATIONS, AND PERMITS GOVERNING THE WORK.
17. LOCATE AND VERIFY ALL UTILITIES, INCLUDING IRRIGATION LINES, WITH THE OWNER FOR PROPRIETARY UTILITIES AND GOPHER STATE ONE CALL AT 454–0002 (TWIN CITIES METRO AREA) OR 800–252–1166 (GREATER MINNESOTA) 48 HOURS BEFORE DIGGING. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ANY DAMAGES TO SAME. NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS TO FACILITATE PLANT RELOCATION.
18. USE ANTI–DESICCANT (WILTPRUF OR APPROVED EQUAL) ON DECIDUOUS PLANTS MOVED IN LEAF AND FOR EVERGREENS MOVED ANYTIME. APPLY AS PER MANUFACTURER'S INSTRUCTION. ALL EVERGREENS SHALL BE SPRAYED IN THE LATE FALL FOR WINTER PROTECTION DURING WARRANTY PERIOD.
19. PLANTING SOIL FOR TREES, SHRUBS AND GROUND COVERS: FERTILE FRIABLE LOAM CONTAINING A LIBERAL AMOUNT OF HUMUS AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL COMPLY WITH MN/DOT SPECIFICATION 3877 TYPE B SELECT TOPSOIL. MIXTURE SHALL BE FREE FROM HARDPACK SUBSOIL, STONES, CHEMICALS, NOXIOUS WEEDS, ETC. SOIL MIXTURE SHALL HAVE A PH BETWEEN 6.1 AND 7.5 AND 10–0–10 FERTILIZER AT THE RATE OF 3 POUNDS PER CUBIC YARD. IN PLANTING BEDS INCORPORATE THIS MIXTURE THROUGHOUT THE ENTIRE BED BY ROTOTILLING IT INTO THE TOP 12" OF SOIL.
20. ALL PLANTS SHALL BE GUARANTEED FOR TWO COMPLETE GROWING SEASON (APRIL 1 – NOVEMBER 1), UNLESS OTHERWISE SPECIFIED. THE GUARANTEE SHALL COVER THE FULL COST OF REPLACEMENT INCLUDING LABOR AND PLANTS.
21. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AT LEAST 3 DAYS PRIOR TO PLANNED DELIVERY. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AT LEAST 24 HOURS IN ADVANCE OF BEGINNING PLANT INSTALLATION.
22. SEASONS/TIME OF PLANTING AND SEEDING: NOTE: THE CONTRACTOR MAY ELECT TO PLANT IN OFF–SEASONS ENTIRELY AT HIS/HER RISK.
    DECIDUOUS POTTED PLANTS: 4/1 – 6/1; 9/21 – 11/1
    DECIDUOUS /B&B: 4/1 – 6/1; 9/21 – 11/1
    EVERGREEN POTTED PLANTS: 4/1 – 6/1; 9/21–11/1
    EVERGREEN B&B: 4/1 – 5/1; 9/21 – 11/1
    TURF/LAWN SEEDING: 4/1 – 6/1; 7/20 – 9/20
    NATIVE MIX SEEDING: 4/1 – 7/20; 9/20–10/20
23. 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 WATERING, CULTIVATING, 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 CONTINUE TO BE RESPONSIBLE FOR KEEPING THE TREES PLUMB THROUGHOUT THE GUARANTEE PERIOD.
24. 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 AND MEETING ALL LANDSCAPE LEGEND SPECIFICATIONS.
25. WATERING: MAINTAIN A WATERING SCHEDULE WHICH WILL THOROUGHLY WATER ALL PLANTS ONCE A WEEK. IN EXTREMELY HOT, DRY WEATHER, WATER MORE OFTEN AS REQUIRED BY INDICATIONS OF HEAT STRESS SUCH AS WILTING LEAVES. CHECK MOISTURE UNDER MULCH PRIOR TO WATERING TO DETERMINE NEED. CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR WATER.
26. CONTRACTOR SHALL REQUEST IN WRITING, A FINAL ACCEPTANCE INSPECTION.
27. ALL DISTURBED AREAS TO BE TURF SEEDED, ARE TO RECEIVE 4" TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
28. ALL DISTURBED AREAS TO RECEIVE NATIVE WETLAND SEEDED, ARE TO RECEIVE ENGINEERED SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

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

Print Name: James A. Kalkes RLA
Signature: James A. Kalkes
Date: 4/4/19 License #: 45071

Drawn: JAK
Designed: JAK
Date: 4/4/19

Revisions:
1. 4/4/19 per City Comments

VILLAGE BANK
9298 Central Avenue NE
Blaine, MN 55434

RIVER WALK VILLAGE
Ramsey, Minnesota

LANDSCAPE PLAN

L1 of 1

Save Date: 04/04/19 | f:\jobs\7801 - 7820\7802 - highway 10 ramsey\cad c3d\landscape\7802_landscape - preliminary.dwg