

PALLET RESOURCES

GRADING, DRAINAGE & ESC PLAN

BLAINE, MN

GENERAL NOTES

- 1) THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.
- 2) CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
- 3) THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION AND LOCATION OF EXISTING SANITARY SEWER, STORM SEWER, AND WATER MAIN AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
- 4) INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.
- 5) THE CONTRACTOR SHALL NOTIFY CITY PUBLIC WORKS DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO THE INTERRUPTION OF ANY SEWER OR WATER SERVICES TO EXISTING HOMES OR BUSINESSES.
- 6) STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
- 7) NOTIFY CITY A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 8) ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY'S SPECIFICATIONS. ALL MUDY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

GRADING, DRAINAGE & EROSION CONTROL NOTES

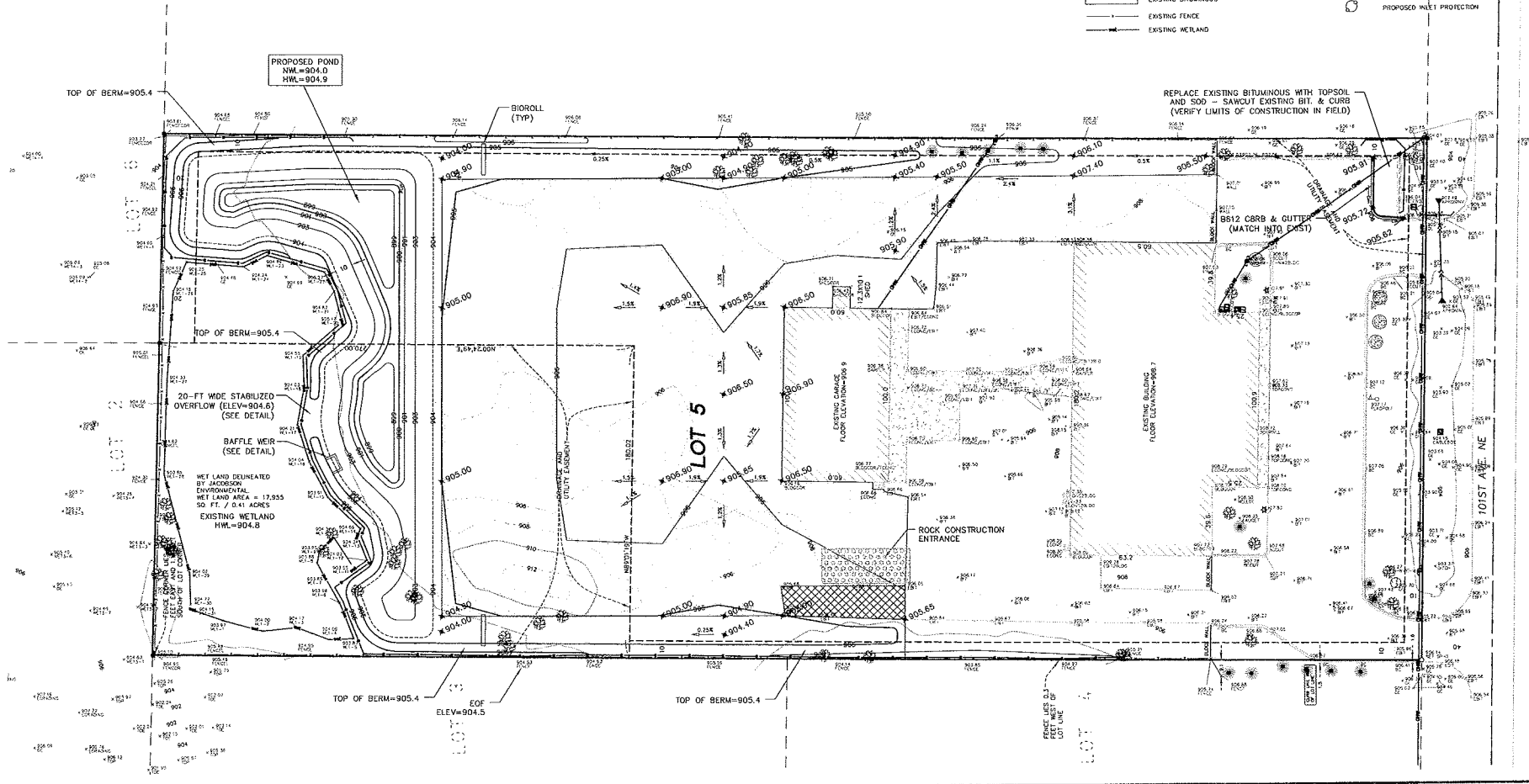
- 1) PRIOR TO ANY GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ROCK CONSTRUCTION ENTRANCE LOCATIONS TO BE DETERMINED - COORDINATE WITH OWNER AND PERMITTER SILT FENCE AS SHOWN ON PLAN. (CONTACT CITY TO INSPECT EROSION CONTROL MEASURES PRIOR TO GRADING OPERATIONS, IF NECESSARY) ADDITIONAL SILT FENCE MAY BE NECESSARY IF LOCAL CONDITIONS REQUIRE.
- 2) THE CONTRACTOR SHALL PERFORM SITE GRADING ON AN AREA-BY-AREA BASIS TO MAINTAIN UNSTABILIZED AREAS. AS EACH AREA IS COMPLETED ALL EXPOSED SOILS MUST HAVE TEMPORARY EROSION CONTROL PROTECTION OR PERMANENT COVER WITHIN SEVEN (7) DAYS.
- 3) SEE SHEET C04, STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR ADDITIONAL EROSION CONTROL NOTES AND SITE SCHEDULING.

PAVING & CURBING NOTES

- 1) SAW-CUT EXISTING BITUMINOUS AND CONCRETE CURB TO PROVIDE 8:1:1 SLOPE.
- 2) REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL.
- 3) RESTORE DISTURBED PAVEMENTS TO EXISTING OR BETTER SECTION.
- 4) BACKFILLING OF CURBS WITH ON-SITE MATERIAL IS CONSIDERED INCIDENTAL TO CURB CONSTRUCTION.

LEGEND

—○—	EXISTING OVERHEAD ELECTRIC	— —	PROPOSED WATER PIPE
—□—	EXISTING UNDERGROUND TELEPHONE	—○—	PROPOSED SANITARY SEWER PIPE
—○—	EXISTING UNDERGROUND CABLE	—○—	PROPOSED STORM SEWER PIPE
—□—	EXISTING TELEPHONE PEDESTAL	—○—	PROPOSED STORM MANHOLE
—□—	EXISTING ELECTRICAL PEDESTAL	—○—	PROPOSED STONY BASIN
—□—	EXISTING CABLE PEDESTAL	—○—	PROPOSED CATCH BASIN
—○—	EXISTING UTILITY POLE	—○—	PROPOSED FLARED-END SECTION
—○—	EXISTING STORM SEWER	—○—	PROPOSED GATE VALVE
—○—	EXISTING WATER MAIN	—○—	PROPOSED HYDRANT
—○—	EXISTING SANITARY SEWER	—○—	PROPOSED SANITARY SEWER MANHOLE
—○—	EXISTING STORM MANHOLE	—○—	PROPOSED CONTOUR
—○—	EXISTING FLARED-END SECTION	—○—	PROPOSED SPOT ELEVATION
—○—	EXISTING GATE VALVE	—○—	(OUTLINE, BITUMINOUS SURFACE OR GRASS SURFACE UNLESS OTHERWISE INDICATED)
—○—	EXISTING HYDRANT	—○—	PROPOSED SILT FENCE
—○—	EXISTING WELL	—○—	PROPOSED DIRECTION OF DRAINAGE
—○—	EXISTING SANITARY SEWER MANHOLE	—○—	PROPOSED BITUMINOUS
—○—	EXISTING CONTOUR	—○—	PROPOSED RECONSTRUCTED BITUMINOUS
—○—	EXISTING SPOT ELEVATION	—○—	PROPOSED RP-RAP
—○—	EXISTING BITUMINOUS	—○—	PROPOSED INLET PROTECTION
—○—	EXISTING FENCE		
—○—	EXISTING METLAND		



DRAWN BY: A.G. DESIGN BY: A.G.
 CHECKED BY: C.W.P. PLOT NO: 14-1466
 ORIGINAL DATE: JULY 8, 2014
 DATE: REVISION DESCRIPTION
 1. HERRING CHECKED THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND IS ACCURATE UNDER THE LAWS OF THE STATE OF MINNESOTA.
 Adam J. Herring
 A.C.M. No. 14-00000000
 DATE: 07/28/2014 A3083

PALLET RESOURCES
 BLAINE, MINNESOTA
 GRADING, DRAINAGE AND ESC PLAN

PREPARED FOR:
STONE CONSTRUCTION

SITE PLANNING & ENGINEERING
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 PHONE: (651) 361-8210
 FAX: (651) 361-0701

NORTH

 1" = 30 FEET
G1

PALLET RESOURCES

LANDSCAPE PLAN

BLAINE, MN

LANDSCAPING NOTES

STAKE AND/OR MARK ALL PLAN PLANTING LOCATIONS PRIOR TO INSTALLATION. OWNER TO APPROVE ALL LOCATIONS PRIOR TO INSTALLATION.

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.

ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.

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.

ALL TREES MUST BE PLANTED, MULCHED, AND STAKED AS SHOWN IN THE DETAILS.

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. USE 4" FOR TREES, SHRUB BEDS, AND 3" FOR PERENNIAL/GROUND COVER BEDS, UNLESS OTHERWISE DIRECTED.

PLANTING SOIL SHALL HAVE A PH RANGE OF 5.00 TO 8.00. SOIL SHALL BE DECOMPACTED AND FREE OF STICKS, STONES, AND OTHER DEBRIS. SOIL SHALL CONTAIN NO LESS THAN 2% ORGANIC COMPOST AND 25% SAND. FOR PLANTING OF SHRUBS, PERENNIALS, AND ORNAMENTAL GRASSES, A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED ON THE AFFECTED AREAS BEFORE INSTALLATION. FOR ESTABLISHMENT OF TURF, A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON THE AFFECTED AREAS BEFORE INSTALLATION OF SOIL OR SEED.

SOIL SAMPLES SHOULD BE SUBMITTED WITH AMENDMENT PROCEDURES INDICATED PRIOR TO INSTALLATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES, REGULATIONS, AND PERMITS GOVERNING THE WORK.

PLANTING SOIL FOR TREES, SHRUBS AND GROUND COVERS: FERTILE FRIBLLE LOAM CONTAINING A LIBERAL AMOUNT OF HUMUS AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL COMPLY WITH WA/DOT SPECIFICATION 8077 TYPE 3 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 10-15 LB 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.

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, WEEDING, 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.

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.

WHERE IRRIGATION SYSTEMS ARE INSTALLED, SAID SYSTEMS SHALL HAVE WATER SENSOR DEVICES TO AVOID OVERWATERING AND TRING DEVICES TO ENSURE IRRIGATION IS CONDUCTED DURING THE HOURS PERMITTED BY THE CITY WATER RESTRICTION REQUIREMENTS.

ALL DISTURBED AREAS TO BE TURF SEED, ARE TO RECEIVE 4" TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

ALL WORK TO BE GUARANTEED FOR A PERIOD OF ONE YEAR BEGINNING AT THE TIME OF ACCEPTANCE BY OWNER. CONTRACTOR TO MAKE ALL REPLACEMENTS IN A TIMELY MANNER.

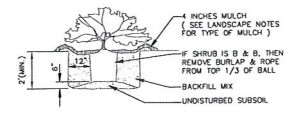
ALL MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSEMEN.

WHEN STAKING OR CUTTING OF TREES IS REQUIRED, IT SHALL OCCUR SO AS NOT TO CREATE ANY HAZARDS OR UNSIGHTLY OBSTACLES. ALL WIRES SHALL BE ENCASED IN HOSE TO PREVENT TREE DAMAGE.

PRUNE EVERGREEN TREES ADJACENT TO PARKING STALLS AS NEEDED TO AVOID LIMBS BRUSHING AGAINST CARS.

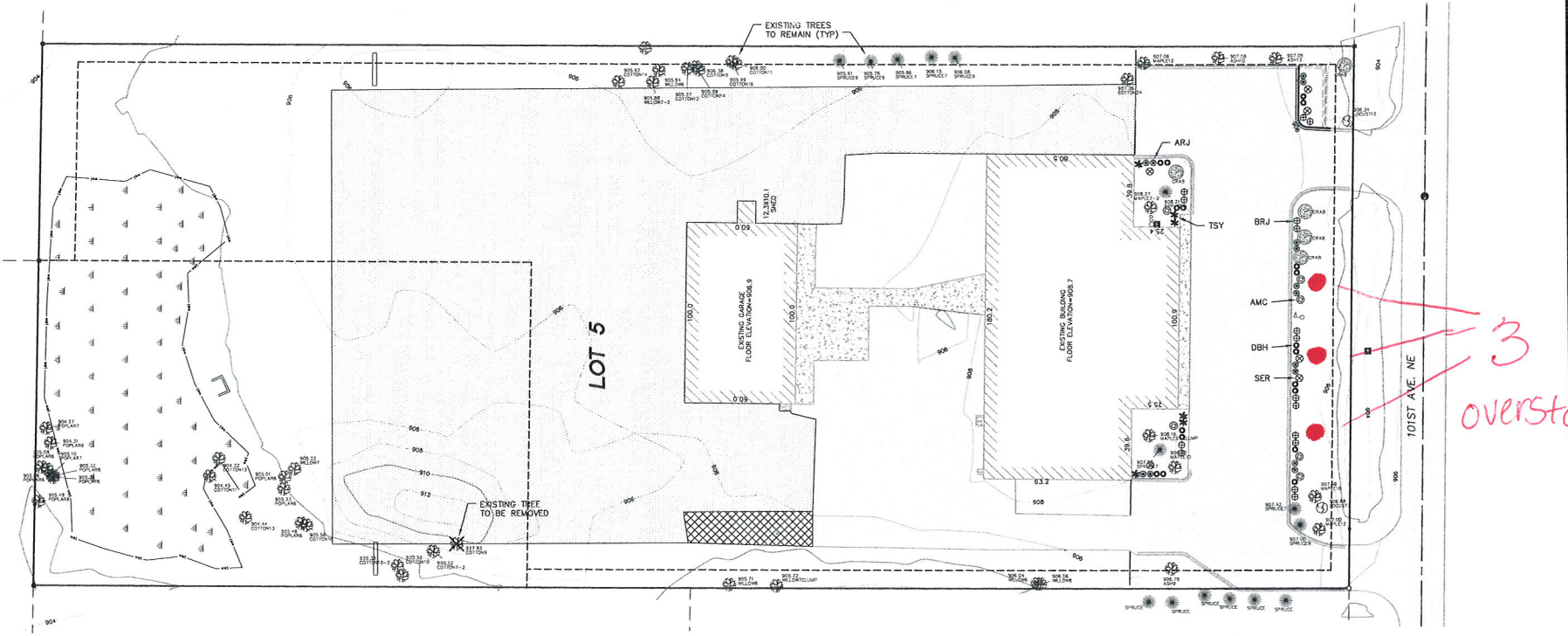
EXISTING TREES	
NAME	QTY
OVERSTORY DECIDUOUS TREES	
ASH	3
COTTONWOOD	15
LOCUST	2
MAPLE	6
POPULAR	11
WILLOW	7
CONIFEROUS TREES	
SPRUCE	15
ORNAMENTAL TREES	
GRABAPPLE	5
TOTAL EXISTING	
	64

SYMBOL	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE AT INSTALL
DECIDUOUS SHRUBS					
⊗	SER	6	AMELANCHIER ALNIFOLIA 'REGENT'	SERVICEBERRY	#5 POT
⊙	ARW	0	SALIX PURPUREA 'NANA'	BLUE LEAF ARCTIC WILLOW	#5 POT
⊖	DBH	18	STEPHANANDRA INCISA	DWARF BUSH HONEYSUCKLE	#5 POT
⊗	AMC	6	AONIA MELANOCARPA	AUTUMN MAGIC CHOKEBERRY	#5 POT
⊖	BHV	0	VIBURNUM DENTATUM	BLUE MUFFIN VIBERNUM	#5 POT
⊗	QLS	0	RHUS AROMATICA ('GRO-LOW')	GROW-LOW SUMAC	#5 POT
EVERGREEN SHRUBS					
⊗	TSY	6	TAXUS MEDIA 'TAUNTON'	TAUNTON SPREADING YEW	#5 POT
⊕	BRJ	15	JUNIPERUS SABINA	SAVIN JUNIPER	#5 POT
⊕	ARJ	14	JUNIPERUS SABINA 'ARCADIA'	ARCADIA JUNIPER	#5 POT
⊕	MLJ	0	JUNIPERUS CHINENSIS	MINT JULEP	#5 POT
TOTAL SHRUBS		66			



SHRUB & CONTAINER PLANTING DETAIL

NOT TO SCALE



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 CHECKED BY: C.W.P. PROJ NO: 14-1486
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PREPARED FOR: PALLET RESOURCES
 BLAINE, MINNESOTA
 LANDSCAPE PLAN

STONE CONSTRUCTION

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NORTH
 0 15 30
 1 INCH = 30 FEET

L1



6/30/14