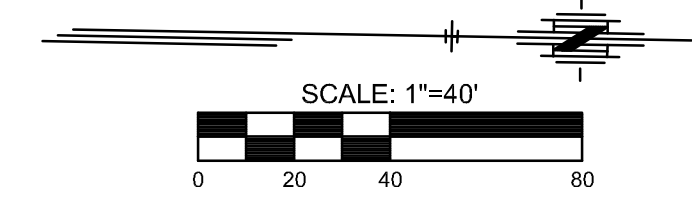
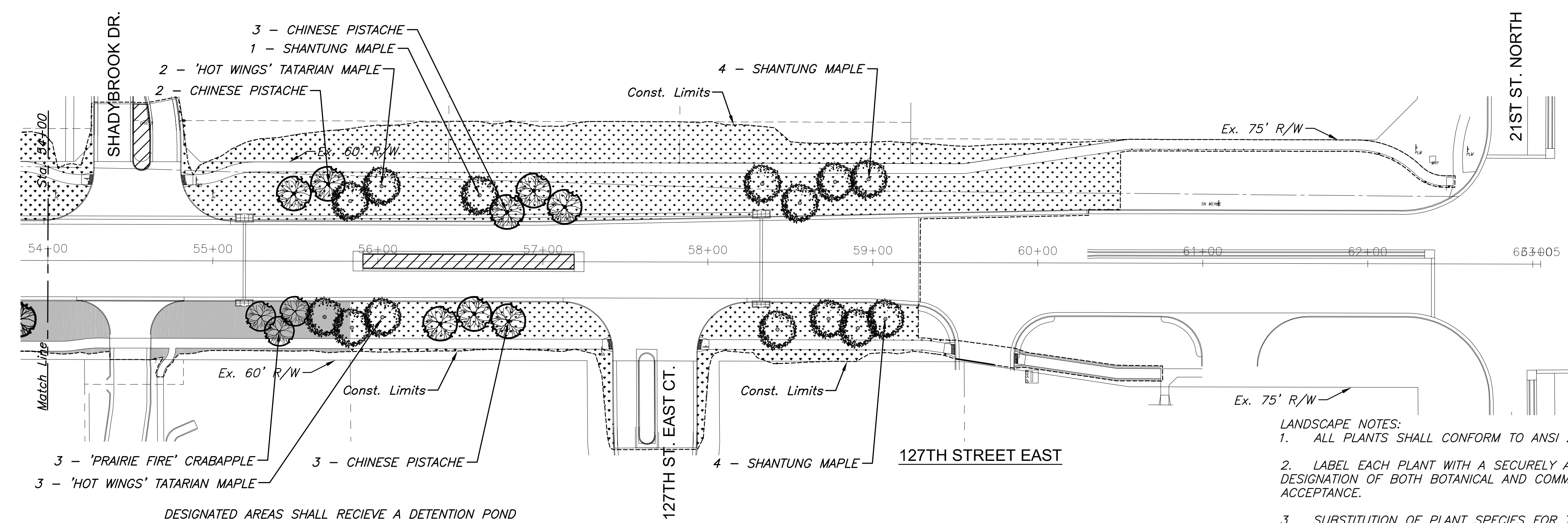


PLOTTED: Wednesday, November 29, 2017 @ 03:28PM
 J:\PROJECTS\2017\1401040290 - COWI_127THE_13TH TO 21ST STS-CIVIL\ROAD IMPROV\1426R003.DWG

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0615-01	2017	124	183



DESIGNATED AREAS SHALL RECEIVE A DETENTION POND SEED MIX AND FERTILIZER AS FOLLOWS:

SMOOTH BROME	75LB/ACRE PLS
K-31 FESCUE	300LB/ACRE PLS
ANNUAL RYE	100LB/ACRE PLS
FERTILIZER (10-20-10)	350LB/ACRE

- LANDSCAPE NOTES:**
- ALL PLANTS SHALL CONFORM TO ANSI Z60.1 FOR SIZE AND QUALITY STANDARDS.
 - LABEL EACH PLANT WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTH BOTANICAL AND COMMON NAME. DO NOT REMOVE UNTIL AFTER PROVISIONAL ACCEPTANCE.
 - SUBSTITUTION OF PLANT SPECIES FOR THOSE LISTED IN THE PLANT LIST IS NOT PERMISSIBLE. ONLY SIZE WILL BE CONSIDERED.
 - ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL; FREE OF PEST AND DISEASES. ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST. ALL TREES SHALL BE STRAIGHT-TRUNKED, OR OF TYPICAL FORM TO THE SPECIES, FULL-HEADED AND MEET THE REQUIREMENTS AS SPECIFIED. ALL TREES MUST BE STAKED.
 - STAKES AND GUYING SHALL BE REMOVED AT THE END OF ONE FULL GROWING SEASON.
 - ALL LANDSCAPE PLANTS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING INITIAL ACCEPTANCE. DEAD OR DEFICIENT PLANTINGS SHALL BE ACCEPTABLY REPLACED, IN PROPER PLANTING SEASON, ONE TIME AT NO COST TO THE OWNER. SOD AND SEED AREAS MAY BE FINAL ACCEPTED AT TIME OF COMPLETION OF ESTABLISHMENT, (SEE NOTES ABOVE), WITH NO FURTHER GUARANTEE REQUIRED.
 - THE LOCATIONS OF TREES TO BE PLANTED ARE APPROXIMATE. CONTRACTOR SHALL ENSURE TREES ARE NOT PLANTED OVER UTILITIES OR OTHER BURIED OBSTRUCTIONS.

TREE PRESERVATION:
 EXISTING TREES TO BE SAVED ARE AN IMPORTANT ASSET TO THIS PROJECT. PRESERVE EACH TREE NOT NOTED FOR REMOVAL AS DIRECTED IN THESE PLANS & NOTES.

EQUIPMENT AND CONSTRUCTION MATERIALS SHALL REMAIN OUT OF AND AWAY FROM TREE DRIP LINES SO AS TO NOT COMPACT THE ROOT ZONE OR DAMAGE THE TREE. CHEMICAL SPILL DAMAGE SHALL BE PREVENTED BY FILLING GAS TANKS, CLEANING TOOLS & REPAIRING EQUIPMENT WELL OUTSIDE TREE PROTECTED ROOT ZONES. CONCRETE MORTAR SHALL BE MIXED ON A THICK PLASTIC TARP. MIXING TRUCKS SHALL BE RINSED OUT OFF SITE. WHERE IT OCCURS THAT A CONSTRUCTION ROUTE OR A PROPOSED IMPROVEMENT OCCURS WITHIN A TREE'S (PRZ) IT MAY BE NECESSARY DEPENDENT UPON THE TYPE OF CONSTRUCTION AND EQUIPMENT USED, TO INSTALL A ROOT PROTECTION BRIDGE (I.E. 24" LAYER OF WOOD MULCH) OR APPROVED EQUIVALENT, THIS MAY BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.

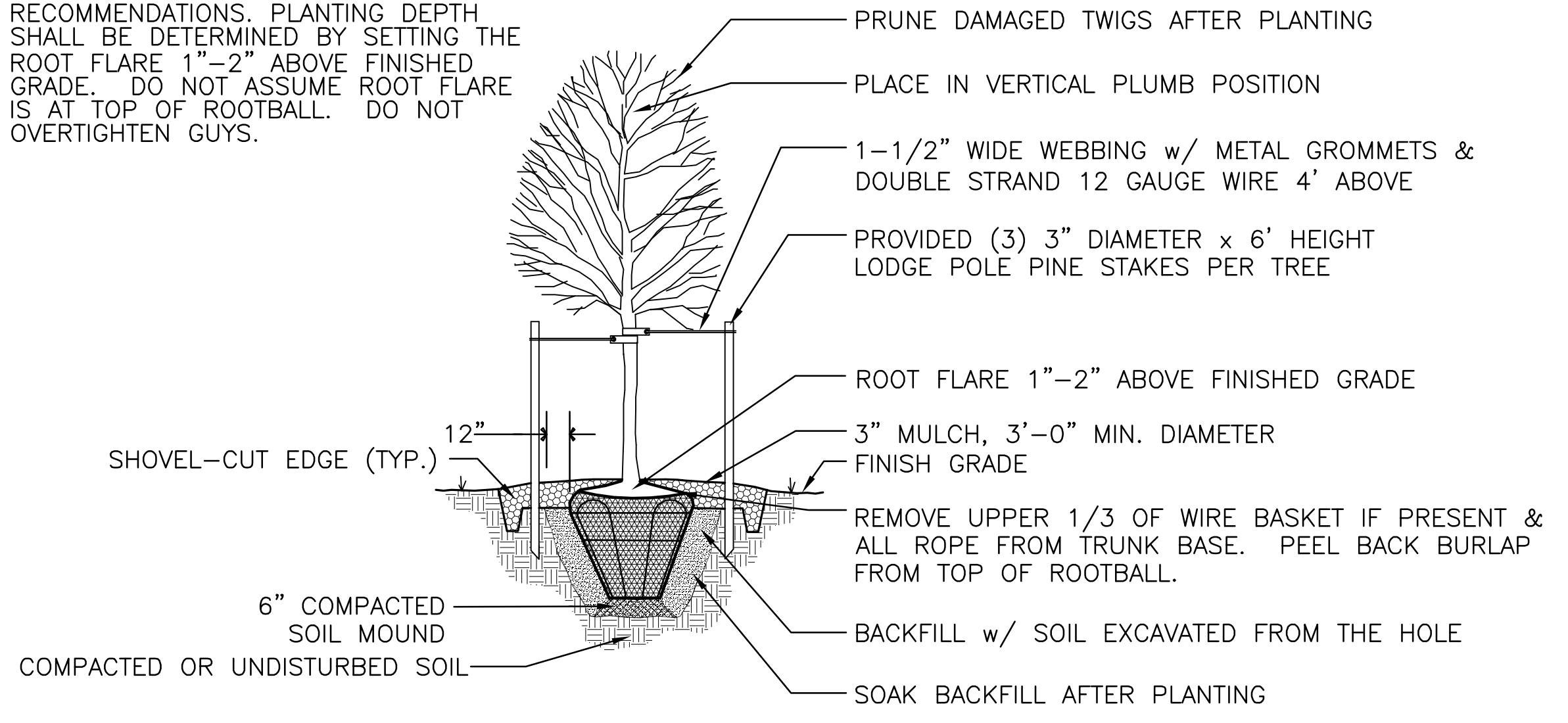
ANY TREE THAT MUST HAVE BRANCHES REMOVED SHALL BE TRIMMED WITH SHARP INSTRUMENT/TOOL THAT IS INTENDED FOR SUCH OPERATIONS. CONSULT LANDSCAPE ARCHITECT PRIOR TO TRIMMING. KNOCKING BRANCHES OFF WITH A BACK HOE OR OTHER SIMILAR MACHINE IS NOT ACCEPTABLE! REFER TO TREE TRIMMING DETAIL ON THIS SHEET FOR TRIMMING PROCEDURE.

WHERE ROOT CUTTING IS NECESSARY ON TREES WHICH ARE TO REMAIN, THE ROOTS SHALL BE VERTICALLY CUT WITH A SHARP INSTRUMENT OR TRENCHER PRIOR TO EXCAVATING SOIL AROUND TO ROOTS.

PLANT SCHEDULE

QTY	COMMON NAME	BOTANICAL NAME	SIZE & METHOD OF HANDLING	NOTES
DECIDUOUS SHADE TREES				
34	CHINESE PISTACHE	PISTACIA CHINENSIS	3" CAL. / B&B	MALE TREES ONLY
31	SHANTUNG MAPLE	ACER TRUNCATUM	2.5" CAL. / B&B	
19	'PRAIRIE FIRE' CRABAPPLE	MALUS SP 'PRAIRIE FIRE'	2" CAL. / B&B	
24	'HOT WINGS' TATARIAN MAPLE	ACER TATARICUM 'HOT WINGS'	2.5" CAL. / B&B	

NOTES:
 BALL OF PLANT TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING. ADD ROOT STIMULATOR TO SURFACE IMMEDIATELY AFTER PLANTING AS PER THE MANUFACTURER'S RECOMMENDATIONS. PLANTING DEPTH SHALL BE DETERMINED BY SETTING THE ROOT FLARE 1"-2" ABOVE FINISHED GRADE. DO NOT ASSUME ROOT FLARE IS AT TOP OF ROOTBALL. DO NOT OVERTIGHTEN GUYS.



TREE PLANTING DETAIL
 NOT TO SCALE

ROADSIDE IMPROVEMENTS SUMMARY (FOR INFORMATION ONLY)

PROJECT PORTION	AREA (S.Y.)
PROJECT TOTAL STANDARD SEED	6,311.2
PROJECT TOTAL BUFFALO SOD	1,595.9
PROJECT TOTAL SOD (NON BUFFALO)	15,010.9
PROJECT TOTAL STREAM SEED MIX	3,193.2
PROJECT TOTAL TURF REINFORCEMENT MAT	3,193.2
PROJECT TOTAL RIP-RAP, LIGHT STONE	1,219.3

LEGEND

- BUFFALO SOD
- STANDARD SEED AREAS
- SOD, MATCH EXISTING TYPE
- RIPRAP
- STREAM CHANNEL SEED AREAS AND TURF REINFORCEMENT MAT. SEE SH. NO. 126

STREET IMPROVEMENTS FOR
127TH STREET EAST
 FROM 13TH STREET NORTH TO 21ST STREET NORTH

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ROADSIDE IMPROVEMENT PLAN (3)

PROJECT NO.	472-85158	
DATE	11/29/17	
SCALE	AS SHOWN	
DESIGNED	DRAWN	CHECKED
JRA	LES	JRA
NO.	REVISION	DATE