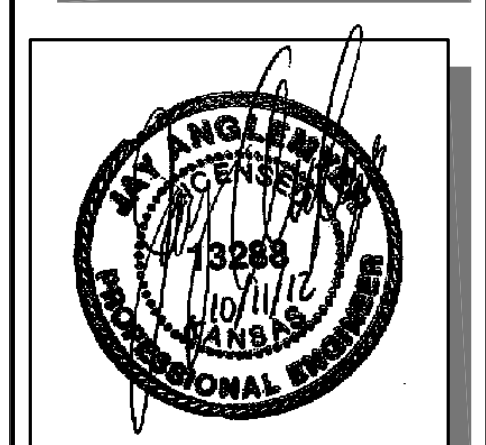


GENERAL NOTES

- CONTRACTOR SHOULD MAKE THEMSELVES FAMILIAR WITH THE PLANS AND ALL NOTES BEFORE BIDDING THIS PROJECT. C.O.W. SPECIFICATIONS SHALL APPLY. THE NOTES AND DETAILS ON THIS SHEET SHALL TAKE PRECEDENCE OVER C.O.W. SPECIFICATIONS WHEN IN CONFLICT.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE TREES TO BE PROTECTED AREAS AND IDENTIFY THEM IN THE FIELD PRIOR TO ANY SITE WORK.
- LANDSCAPE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES (INCLUDING THOSE INDICATED ON THE PLAN) PRIOR TO INSTALLATION OF PLANT MATERIAL. UTILITIES CAN BE FLAGGED BY CALLING 687-2470.
- NO SITE WORK OR CONSTRUCTION ACTIVITIES MAY OCCUR OUTSIDE OF THE LIMITS OF DISTURBANCE WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. TREE PROTECTION FENCES MUST REMAIN INTACT AND IN PLACE DURING SITE WORK.
- ALL WATER REQUIRED FOR LANDSCAPE OPERATIONS AND FOR ESTABLISHING LANDSCAPE ON THIS SITE WILL BE PROVIDED BY THE CONTRACTOR.
- 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, WITH NO FURTHER GUARANTEE REQUIRED.
- ALL GRAVEL OR OTHER SIMILAR DEBRIS LARGER THEN 1/2 INCH IN DIAMETER SHALL BE RAKED UP AND REMOVED BEFORE ANY SODDING OR SEEDING OPERATIONS ARE PERFORMED. SOIL SHALL BE PREPPED AND SMOOTHED NEATLY TO REMOVE ALL FOREIGN SUBSTANCES AND TO ELIMINATE WATER PONDING LOW SPOTS.
- THE PLANTING SOIL MIXTURE FOR ALL TREE PLANTINGS SHALL BE SOIL EXCAVATED FROM THE HOLE.
- WHERE OFFSITE SELECT SOIL IS NEEDED, IT SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. STOCKPILED TOPSOIL MAY BE USED. IT SHALL BE WITHOUT ADMIXTURE OF SUBSOIL OR SLAG AND SHALL BE FREE OF STONES, LUMPS, STICKS, PLANTS, THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEIOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL PH RANGE SHALL BE 5.5 TO 7.0.
- ALL TREE SAUCERS AND PLANTING BEDS ARE TO BE MULCHED WITH A MINIMUM OF 3" GRADE A SHREDDED CEDAR MULCH. SUBMIT 1 GALLON SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION. WHERE PLANTING BEDS ARE ADJACENT TO WALKS AND CURBS THE SOIL LEVEL SHALL BE 3" LOWER TO ALLOW FOR MULCH LAYER. WHERE SOD IS INDICATED, ITS THICKNESS SHALL ALSO BE ACCOUNTED FOR SO THAT THE SOIL SURFACE IN THE SOD MATCHES IN LEVEL WITH THE LANDSCAPE SURFACE.
- MULCH, STAKES, GUY WIRE, PRE EMERGENT HERBICIDES, ETC. SHALL BE SUBSIDIARY TO INDIVIDUAL PLANTS.
- THE CONTRACTOR SHALL FLAG AND LABEL PROPOSED PLANT LOCATIONS AFTER UTILITY LOCATE AND GAIN APPROVAL OF LOCATIONS FROM LANDSCAPE ARCHITECT PRIOR TO BRINGING PLANTS TO THE SITE.
- PROVIDE QUALITY, SIZE, SPECIES AND VARIETY OF LANDSCAPE PLANTS INDICATED COMPLYING WITH APPLICABLE REQUIREMENTS IN THE ANSI Z60.1 MAY 12, 2004 "AMERICAN STANDARD FOR NURSERY STOCKS"
- FURNISH NURSERY GROWN TREES AND SHRUBS CONFORMING TO ANSI Z60.1, WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. TREES OF A LARGER SIZE MAY BE USED IF ACCEPTABLE TO OWNER, WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS.
- CONTRACTOR OR PLANT SOURCE PROVIDER SHALL PROVIDE TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. A SINGLE HIGH QUALITY DIGITAL PICTURE OF EACH TREE SPECIES THAT REPRESENTS ONE OF THE ACTUAL TREES SELECTED FOR DELIVERY. EACH PICTURE SHALL INCLUDE A SCALABLE OBJECT OR MEASURING ROD IN THE IMAGE.
- LABEL EACH TREE AND SHRUB WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAME.
- SHADE TREES: SINGLE-STEM TREES, UNLESS SPECIFIED OTHERWISE, WITH STRAIGHT TRUNK, WELL BALANCED CROWN, AND INTACT LEADER, OF HEIGHT AND CALIPER INDICATED, CONFORMING TO ANSI Z60.1 FOR TYPE OF TREES REQUIRED.
BRANCHING HEIGHT: 1/3 TO 1/2 OF TREE HEIGHT
CENTRAL LEADER: 12' TREE HEIGHT - MIN 5' LEADER, 10' TREE - MIN 4' LEADER
- STAKES AND GUYING SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF ONE FULL GROWING SEASON.
- ANY TOPSOIL NEEDED TO CORRECT SOIL LEVELS IN SUMP AREAS WITHIN THE R.O.W. SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. STOCKPILED TOPSOIL MAY BE USED. IT SHALL BE WITHOUT ADMIXTURE OF SUBSOIL OR SLAG AND SHALL BE FREE OF STONES, LUMPS, STICKS, PLANTS OR THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEIOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL pH RANGE SHALL BE 5.5 TO 7.0.
- SUBSTITUTION OF PLANT SPECIES TYPES FOR THOSE LISTED IN THE PLANT LIST IS NOT PERMISSIBLE UNLESS APPROVED BY MKEC (316-684-9600). IN WRITING PRIOR TO BIDDING ANY SPECIES SUBSTITUTION WHICH HAS NOT BEEN APPROVED SHALL BE REMOVED IMMEDIATELY AND REPLACED WITH THE CORRECT PLANT.
- CONDUCT PLANTING UNDER FAVORABLE WEATHER CONDITIONS DURING EITHER THE SPRING PLANTING SEASON (MARCH 1ST-JUNE 1ST), OR THE FALL PLANTING SEASON (SEPTEMBER 30 UNTIL FREEZING OF THE GROUND). DEVIATION FROM THE ABOVE PLANTING DATES WILL ONLY BE PERMITTED WITH APPROVAL FROM THE LANDSCAPE ARCHITECT.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0519-01	2012	130	212

MKEC
ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

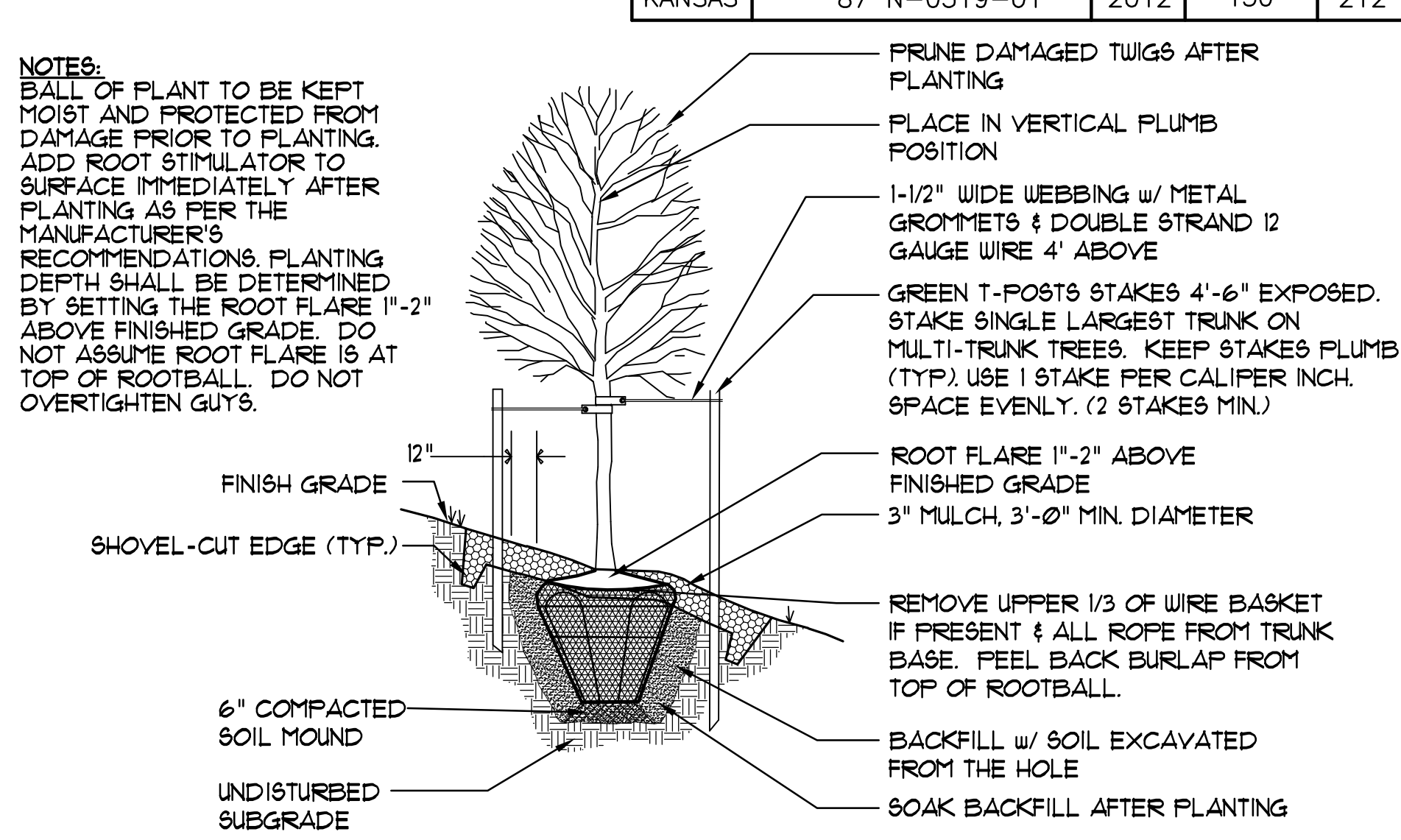
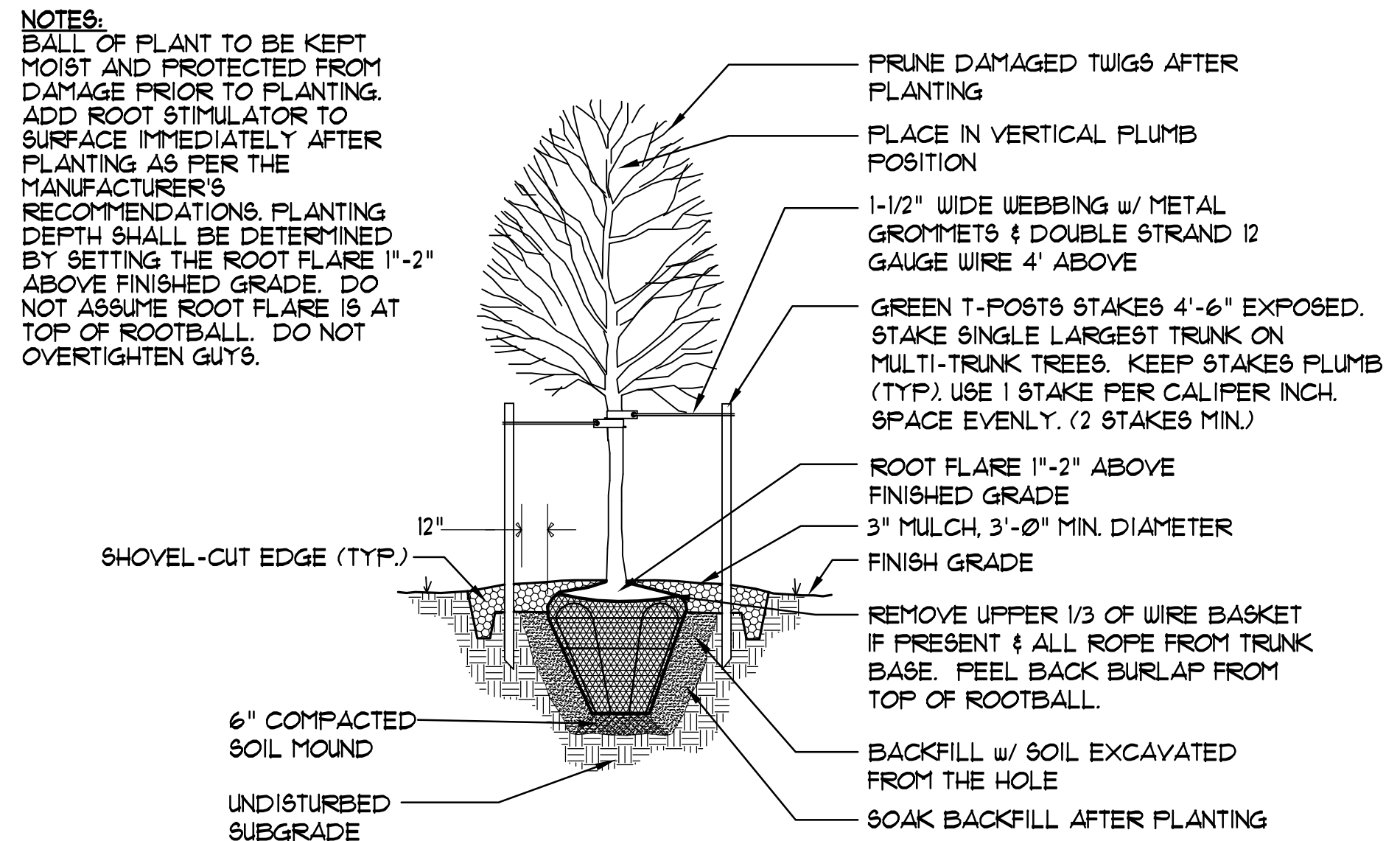


BROADWAY BRIDGE AT 34TH STREET SOUTH

ROADSIDE IMPROVEMENT DETAILS 01
SHEET TITLE
472-84830
PROJECT NUMBER

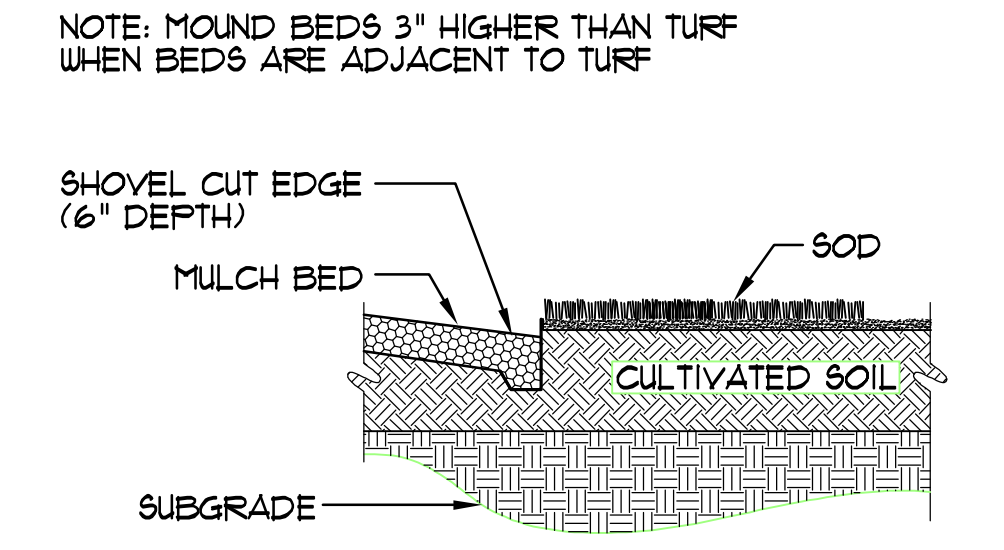
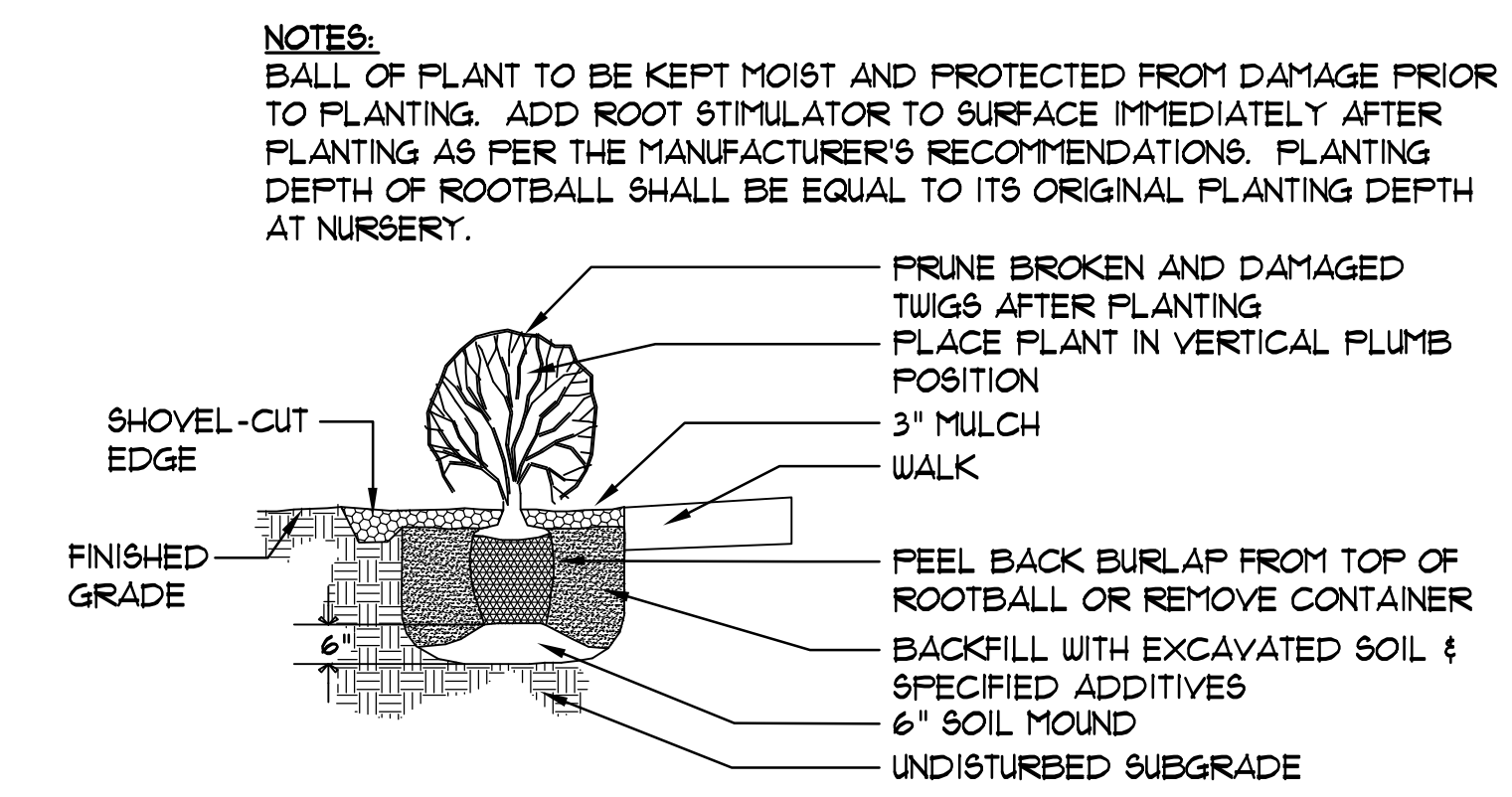
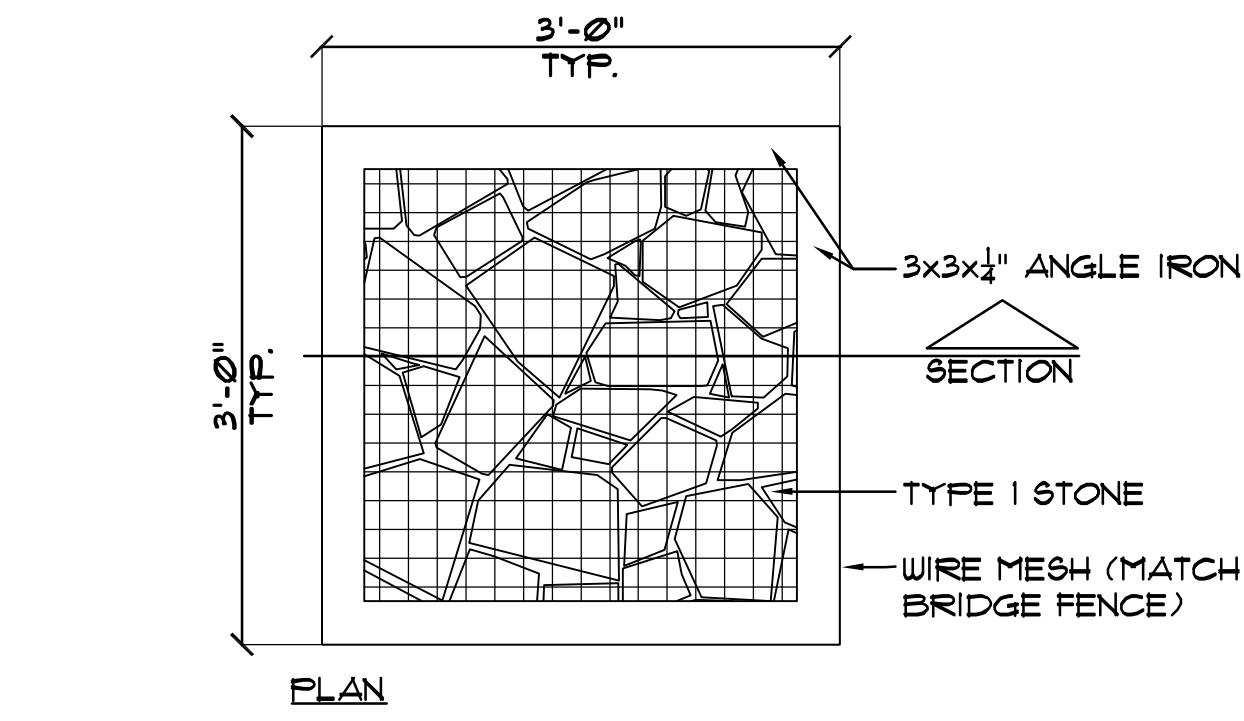
DESIGN BY: JRA
DRAWN BY: TBK
CHECKED BY: JRA

ISSUED: October 9, 2012
REVISED:
SHEET NO. 130 of 212



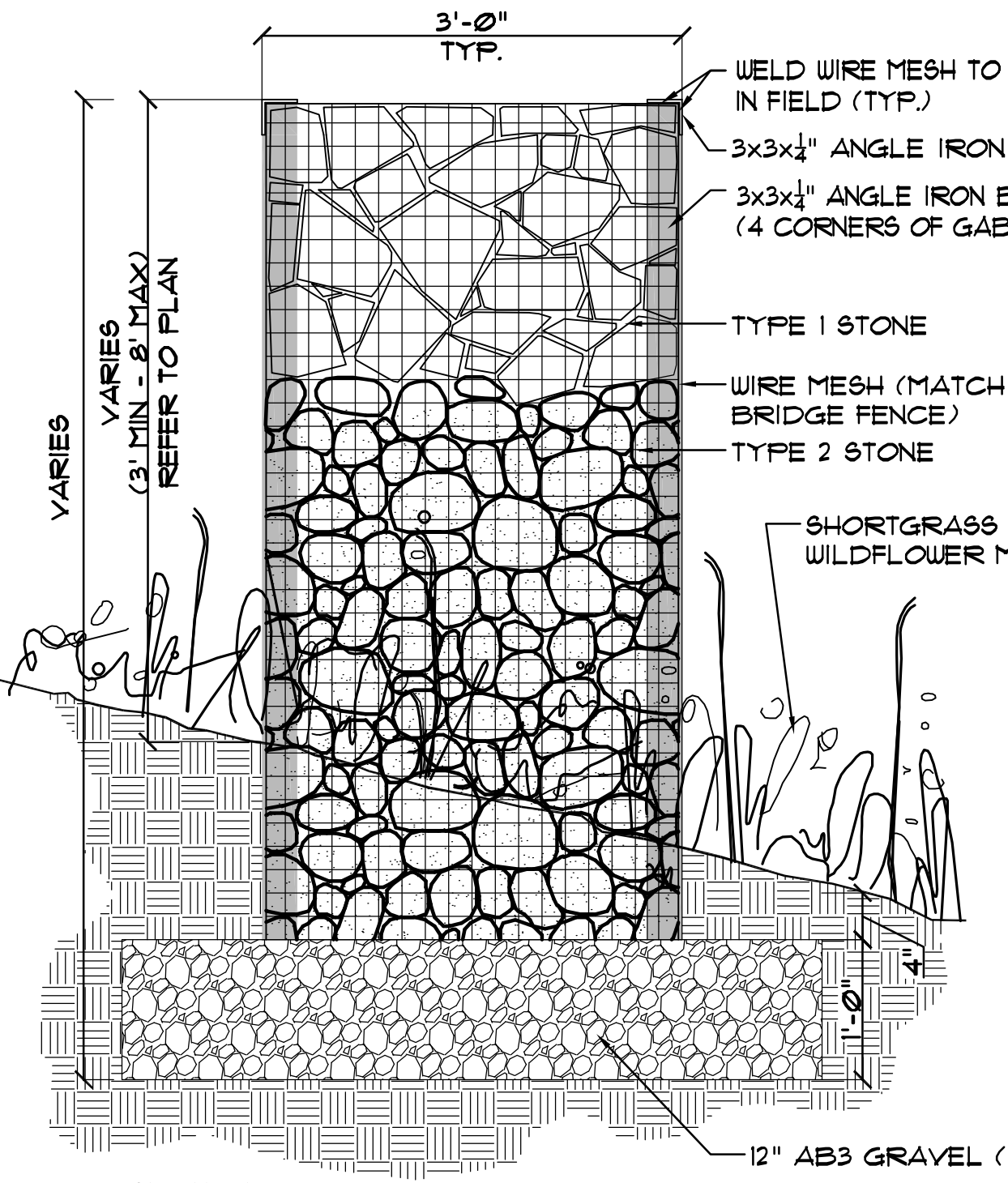
TREE PLANTING DETAIL
NOT TO SCALE

TREE PLANTING AT SLOPE
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE

SHOVEL CUT EDGE
NOT TO SCALE



1 GABION COLUMN
SCALE: NTS

PLANT SCHEDULE

KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE & METHOD OF HANDLING	SPACING
DECIDUOUS SHADE TREES					
P8H	170	PRAIRIE SENTINEL HACKBERRY	CELTIS OCCIDENTALIS 'JF6-K8UI'	2" CAL. / B4B	
DECIDUOUS SHRUBS					
FR5	105	FRAGRANT SUMAC	RHUS AROMATICA	3 GAL.	4' O.C.

SEED:
1. STOCKS WILDFLOWER MIX AT 12.5 LBS/AC (BROADCAST), 10 LBS/AC (DRILLED)
2. STOCKS PRARIE 3 PLUS AT 15 PLS LBS/AC (BROADCAST) 10 PLS LBS/AC (DRILLED)
*BROADCAST ONLY ALLOWED IN AREAS INACCESSIBLE TO DRILL
ALL SEED IS AVAILABLE FROM:
STOCK SEED FARMS
28008 MILL ROAD
MURDOCK, NE 68401
TEL.: 1-800-753-1520

STONE TYPES

TYPE 1 STONE	LIGHT STONE RIP RAP	TAN, GRAY, ANGULAR EASTERN KANSAS ORIGIN
TYPE 2 STONE	4"-6" RIVER ROCK	BROWN, SMOOTH, ROUNDED, OKLAHOMA/ARKANSAS ORIGIN

PLOTED: Thursday, October 11, 2012 11:03AM

J:\Civil\09081.dwg \Road Imprv\09081-RDIMPROV-5