OLATHE

STREET,

MILLRIDGE

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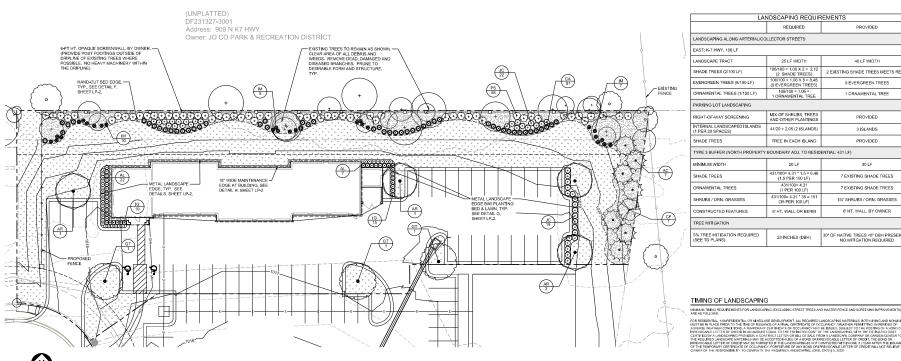
AND

CHR

LANDSCAPE PLAN

SHEET

LP-1



PLANT SCHEDULE

Scale 1" = 20'

SYMBOL	CODE	BOTANICAL NAME COMMON NAME		CONT.	MIN. SIZE	<u>QTY</u>		
TREES								
{·}	AC	Ables concolor	White Fir	Cont. or B&B	6'-8' HT	7		
\odot	AR	Acer rubrum 'Red Sunset' Parking Lot Tree	Red Sunset Maple	Cont. or B&B	4" cal. min.	4		
	CF	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	Cont. or B&B	1" Cal. min.	1		
()	GT	Gleditsia triacanthos inermis 'Skycole' TM Parking lot tree	Skyline Thornless Honey Locust	Cont. or B&B	2.5" Cal.min.	3		
SHRUBS /	PERENNI	ALS .						
\odot	AL	Aronia melanocarpa "UCONNAM165"	Low Scape Mound® Black Chokeberry	Cont.	24" Spd.	29		
Ŏ	CA	Clethra alnifolia 'Hummingbird'	Summersweet	Cont.	24" ht.	51		
Ö	IG	llex glabra 'Shamrock'	Inkberry	Cont.	24" ht.	34		
○ ○ ○ ○	IM	Iris pumite	Dwarf Iris	Cont.	1 gal., full	26		
$\overline{\oplus}$	JC	Juniperus chinensis 'Armstrongii'	Armstrong Juniper	Cont.	36* Ht.	41		
$\widecheck{\oplus}$	PS	Physocarpus opulifolius 'Seward'	Summer Wine® Ninebark	Cont.	24" ht.	58		
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT.				
GROUNDCOVER MATERIAL								
対が対	MULCH Hardwood Mulch		2" layer of shredded hardwood mulch Mulch					
	AGG	Maintenance Aggregate Angular to sub-angular basalt over filter fabric, 3/4-inch diameter, washed, or approved equal.	3/4-in dia. washed aggregate	3" depth				
TURF								
1 1 1 1	1	Festuca arundinacea						

Turf-type tall fescue blend w/ max, 10% Kentucky bluegrass that meets the TWCA Drought Tolerant Fescue Blend

GENERAL GRADING AND PLANTING NOTES

- THE ORDINAL CONTRACTIONS RESPONSIBLY FOR BROWNING ALL DISTRICTS WITH PRICE THE PRICE T

- THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTINUED IS BALL BASEDATE UPON BLOCK THAN THE ATTENDITION OF THE LANGESCHE AGOLITECT OF THE CONTINUED AND CONTRIBUTION AND CONTINUED AND CONTRIBUTION AND CONTR
- CALLOUT FOR DISCONDING PATTERS SHALL FALCED FROM THE WITTENDEDGED FOR THE ADMINISTRATION OF THE WITTENDEDGED FOR THE ADMINISTRATION OF THE WITTENDEDGED FOR THE WITTENDEDGED FOR THE WITTENDEGGED FOR

LANDSCAPING REQUIREMENTS

PROVIDED

40 LF WIDTH

2 EXISTING SHADE TREES MEETS REQ'T

9 EVERGREEN TREES

1 ORNAMENTAL TREE

PROVIDED

3 ISLANDS

PROVIDED

30 LF

7 EXISTING SHADE TREES

157 SHRUBS / ORN. GRASSES 6' HT. WALL, BY OWNER

30" OF NATIVE TREES <8" DBH PRESERVED: NO MITIGATION REQUIRED

REQUIRED

25 LF WIDTH

106/100 = 1.06 X 2 = 2.12 (2 SHADE TREES) 106/100 = 1.06 X 8 = 8.48 (9 EVERGREEN TREES)

106/100 = 1.06 = 1 ORNAMENTAL TREE

41/20 = 2.05 (2 ISLANDS)

TREE IN EACH ISLAND

20 LF

431/100= 4.31 * 1.5 = 6.46 (1.5 PER 100 LF)

431/100= 4.31 (1 PER 100 LF) 431/100= 4.31 * 35 = 15 (35 PER 100 LF)

6" HT, WALL OR BERM

23 INCHES (DBH)

TYPE 3 BUFFER (NORTH PROPERTY BOUNDARY ADJ. TO RESIDENTIAL: 431 LF)

LANDSCAPING ALONG ARTERIAL/COLLECTOR STREETS

LANDSCAPE TRACT

SHADE TREES (2/100 LF)

ORNAMENTAL TREES (1/100 LF)

INTERNAL LANDSCAPED ISLANDS

1 PER 20 SPACES) SHADE TREES

MINIMUM WIDTH

SHADE TREES

SHRUBS / ORN. GRASSES

CONSTRUCTED FEATURES

5% TREE MITIGATION REQUIRED (SEE TD PLANS)

TREE MITIGATION

PARKING LOT LANDSCAPING

IRRIGATION CONCEPT

- AN AUTOMATIC PRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED RRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOLINGS.
- ALL NON-TURE PLANTED AREAS SHALL BE DRIP IRRIGATED. SOODED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD TO HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIZNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY THE FOLLOWING DISTLESS AND SYSTEMS: MATCHED PRECIPITATION RATE TIES HOUGHOVEN MOTOR AND SPRAY HEADS (WHI POSSIBLE) RATE (PRESIDES, AND INITIATIVE PROGRAM CONFINCEDED INFORMATION CONTROLLEDS PARTIAINS DESIZNED FINANCIAL CONSESSION RATE (PROGRAM CONTROLLED PROGRAM CONTROLLED).

ROOT BARRIERS

MULCHES

PLANTING & IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FIRM, OWNER ACCEPTANCE OF THE INSTALLATION WORK, THE CONTRACTOR SHALL ASS DE RESPONSIBLE FOR APPROPRIES WATERING OF THE AVECUARY THROUGH INSTITUTE OF THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF SEGMENT WORKS OF STREET, THE OWNER SHALL APPROVE THE SYSTEM OF STREET, THE SYSTEM OF STRE



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ISTIAN BROTHERS AUTOMOTIVE STAG RIDGE LOT 2B CHR

LANDSCAPE

DETAILS SHEET

LP-2

1 TREE CANOPY. 2 GINCH-TIES (24" BOX/2" CAL. TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS A IT TREE AND STAKE (35" BOX/2.5" CAL. TREES AND LARGEN, SEQUIET IES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES. 3 24" X 3/4" P.V.C. MARKERS OVER WIRES. GREEN STEEL T-POSTS, EXTEND POSTS 12" MIN, INTO UNDISTURBED SOIL.

5 PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SCIL. TRUNK FLARE. MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.

(8) FINISH GRADE. ROOT BALL. (THE WIRE METAL CAGE, STRAPPING AND BURLAP
 MUST BE REMOVED FROM THE TOP 1/3 OF THE SIDE OF THE ROOT
 BALL FOR B&B TREES AT PLANTING) (II) BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.

(1) UNDISTURBED NATIVE SOIL. (12) 4" HIGH EARTHEN WATERING BASIN. 13 FINISH GRADE.

NOTES.

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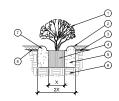
1 SHRUB, PERENNIAL, OR ORNAMENTAL GRASS. MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 5" OF PLANT CENTER.

(3) FINISH GRADE (4) ROOT BALL.

BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.

(6) UNDISTURBED NATIVE SOIL. 3" HIGH EARTHEN WATERING BASIN.

(8) WEED FABRIC UNDER MULCH.



SHRUB AND GROUNDCOVER PLANTING В

EDGE OF PLANTING AREA -

NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

1) STEP 1: DETERMINE TOTAL PLANTS FOR THE AREA WITH THE FOLLOWING FORMULA:

OTAL AREA / ARE	A DIVIDER = TOTAL PL	ANIS	
LANT SPACING	AREA DIMIDER	PLANT SPACING	AREA DM
6*	0.22	18"	1.95
8*	0.39	24*	3.46
10"	0.60	30*	5.41
12"	0.87	36*	7.79
15"	1.35		

STEP 2: SUBTRACT THE ROW (S) OF PLANTS THAT WOULD OCCUR AT THE EDGE OF THE PLANTED AREA WITH THE FOLLOWING FORMULA: TOTAL PERIMETER LENGTH (PLANT SPACING = TOTAL PLANT SUBTRACTION

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF PLANTING AREA, 40 LF PERIMETER

STEP 1: 100 SF/1:95 = 51 PLANTS

STEP 2: 51 PLANTS - (40 LF / 1.95 = 21 PLANTS) = 30 PLANTS TOTAL

PLANT SPACING



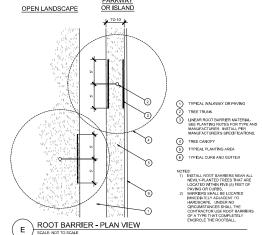
TURNBUCKLE WITH 6" OPENING

GUYING CABLE DETAIL PLAN

MAINTENANCE EDGE INSTALLATION

TREE STAKING AND GUYING SCALE: NTS

STAKING DETAIL



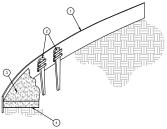
EARTH-SPACE EDGE WITH 5"-5" OF MULCH AT EDGE (FLUSH WITH TOP OF LAWN).
 MULCH PER SPECIFICATIONS

(4) SOLMIX PER SPECIFICATIONS

(5) EXISTING SOIL

USE WHEREVER MULCHED TRANSITION TO TURF AREA, INCLUDING ALL TREE MULCH RINGS, SHRUBS, BEDS, MASS PLANTING, ETC., EXCEPT WHERE NOTED OR STEEL EDGING HAS BEEN CALLED OUT.

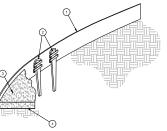
EARTH / SPADE EDGE



ROLLED-TOP STEEL EDGING PER PLANS.

2 TAPERED STEEL STAKES.

4 FINISH GRADE.



3 MULCH, TYPE AND DEPTH PER PLANS

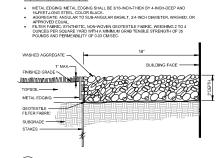
NOTES:

1) INSTALL EDGING SO THAT STAKES WILL BE ON INSIDE OF PLANTING BED.

2) BOTTOM OF EDGING SHALL BE BURIED A MINMUM OF 1" BELOW FINISH GRADE.

3) TOP OF MULCH SHALL BE 1" LOWER THAN TOP OF EDGING.

STEEL EDGING



. EXCAVATE AREAS RECEIVING MAINTENANCE EDGE TO THE CROSS SECTION SHOWN BELOW: A CHIEF AND THE AT ALL LOCATIONS SHOWN ON THE PLANS, KEEPING THE ALGOMENT SMOOTH AND CONTINUOUS WITHOUT VISIBLE DEVIATION FROM THE ALGOMENT SMOOTH AND CONTINUOUS WITHOUT VISIBLE DEVIATION FROM THE LEVEL, AND CHIEF ALTO CHIEF AND CHIEF AND

MAINTENANCE EDGE AT BUILDING



3

STAKING EXAMPLES (PLAN VIEW)

TREE PLANTING

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN
- ALL LANDSCAPE TURNS SITURN ON THESE TO A LANDSCAPE DATA OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR PITHER QUALIFICATION MEASURES. THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID CONTRACTOR'S LICENSE ISSUED BY THE APPROPRIATE LOCAL.
- PE OF WORK

 WORK COVERED BY THESE SECTIONS INCLIDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR
 SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER TENS THAT ARE NECESSARY FOR THE EXECUTION
 INSTALATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANGSCAPE PLA
 NOTES, AND DETAILS.
- NOTES, AND DETAILS.
 ALL WORR SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS AREQUIRED BY AUTHORITIES HAVING JURISLOTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY CEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF
- MATERIALS.
 THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

- ALLMANUFACTURED PRODUCTS SMULES FIRE.

 ALLMANUFACTURED PRODUCTS SMULES FIRE.

 FIREWAY NUMBER AND SMULES FIREWAY OF THE SMULES FIREWAY.

- FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE
- FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PAINT OF LIKE THYE AND SIZE AT THE
 CONTRACTORS OWN EXPENSE, ANY PLANTS APPEARING TO BE UNHAFTH, EVEN IP DETERMINED TO STILL BE
 ALVE. SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE
 ACCEPTEDATION OF HAVIN MARKED RIVE.
 ACCEPTEDATION OF HAVIN MARKED RIVE.
 BE ACCEPTED THE LANDSCAPE OF ANY ACCEPTABLE PAINT OF THE ACCEPTED THE CAPITAL LEADERS WILL NOT
 BE ACCEPTED THE LANDSCAPE ON ANAGED ONE REMOVED. PRIME ALL DAMAGED TWOS AFTER PLANTING.
 CALIFER MASSIFIEMENTS FOR STANARDO, SINGLE PRIME, TESS SHALL BE AS POLICIOUS SEX INCHES ABOVE THE
 ROOT FLARE FOR TRIESE UP TO AND INCLUDING FOUR ROWERS IN CALIFER AND TWICK PROVINGES ABOVE THE ROOT
 FLARE FOR TRIESE SUCEDIOR FOUR ROWERS IN CALIFER AND TWICK PROVINGES ABOVE THE ROOT
 BALL. WHERE CALIFER MASSIFIEMENTS ARE USED. THE CALIFER SHALL BE CALCULATED AS ONE-HALF OF THE SUM
 OF THE CALIFER OF THE THESE LANGES THAN AS IN USED.

 8. ANY TIRE OR SHRUES SHOWN TO HAVE EXCESS SOLE PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE
 HAS BEEN COMMERTED THE AND SHOWN TO HAVE EXCESS SOLE PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE
 HAS BEEN COMMERTED THE THEORY SHALL BE CALCULATED AS ONE-HALF OF THE SUM
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 OF THE CALIFER OF THE THEORY BASED SHALL BE CALCULATED AS ONE-HALF OF THE SUM
 OF THE CALIFORN SHOWN TO HAVE EXCESS SOLE PLACED ON TOP OF THE ROOT BALL SO THAT THE ROOT FLARE
 HAS BEEN COMMERCED. SHOWN TO HAVE EXCESS SOLE FOR THE PLANS. SOO BALL BE COCOMPANIED BY A CERTIFICATE FROM
 THE SHALL THE THEORY BASED SHALL BE CALCULATED AS OFTEN HEAD THE ADDRESS TO THE THE PLANT HE SHALL BE CALCULATED AS OFTEN HEAD THE ADDRESS TO THE THE PLANT HERE THE PLANT HE PLANT HERE THE PLANT H

- SUPPLIER STATING THE COMPOSITION OF THE SOD
- SUPPLIES TATMORTHE COMPOSITION OF THE SIGN. AS NOTED ON THE FLANS, WITH HAMMIND PERCENTAGES OF PURITY, SEED, PRIOTINE BELOW OF SPECES AND WITHERED STORES A NIGHTSTON DAYASE. BACH SIGN SEED SHALL BE ACCOMPANIED BY A TAS FROM THE SUPPLIES INDICATING THE COMPOSITION OF THE SEED. SHALL BE ACCOMPANIED BY A TAS FROM THE SUPPLIES INDICATING THE COMPOSITION OF THE SEED.
- SEEDS.

 ODMOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER: PH RANGE OF 5.5 TO 8. MOISTURE CONTENT 25
 TO 55 PERCENT BY WEIGHT: 100 PERCENT PASSING THROUGH 54 MOI SEIVE SOLUBLE SEAT COMPETO 65 TO 10
 TO 55 PERCENT BY WEIGHT: 100 PERCENT PASSING THROUGH 54 MOI SEIVE SOLUBLE SALT COMPETO 65 TO 10
 TO 55 PERCENT BY WEIGHT: 100 PERCENT PASSING THROUGH SHAPE SOLUBLE FOR 50 BERTANCES TO IGNOT OF TAXINGS.
 TO MANUFACE OR ANAMY-ASSED PROFIDED SHAPE S
- PREPART (BEE BESON).

 MUCH: SIZE AND STATES AND STATES ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHUBS.

 THESE STANDS AND OUTPO.
- STAKES: 6' LONG GREEN METAL T-POSTS. SI ANESS & LUNIS GREEN METAL T-FOSTS.
 GLY AND TEWER - ASTN A GALL CLASS I, GALL/ANDZED-STEEL WIRE, 2-STRAND, TWISTED, 0:106 INCH DIAMETER.
 STRAY CHAMING GLIAND. REINFORCED IN TOON OR CANNAS AT LEAST 1-12 MICH WIDE, WITH GROMMETS TO PROTECT.
 PRE-EMERGENT HERBICIDES: ANY ORANILAR. NOWS-STANNO PRE-EMERGENT HERBICIDES THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHIGH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURES LABELED BATCH.

- A SOL PREPARATION

 1. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE APEAS
 ARE WITHIN ~2.0" OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY
 2. SOL
 - TESTING: AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE AFTER FINSH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMMES FROM THE PROJECT IS ADDOCTOR AFBES TESTED BY AT ESTABLISHED SOIL TESTING ADDITIONATION, COLOR SAMME STATEMENT OF THE STATEMENT OF THE

 - ADSORPTION RATIO (SAR) AND BORON CONTENT. THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL
 - SAMPLES

 AND THE SECOND PROJUCED BY THE LARGRATION SHALL CONTINUE RECOMMENDATIONS FOR THE FOLLOWING
 THE SAMPLEMENT SPEAKARS OB INTERPRACTION AND BOOKED HAVE RECOMMENDATIONS FOR GREETINA,
 ORNAMENTAL PLANTS, XERIC PLANTS, TURY, AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER
 APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHERS ON. BEAUTION BISSIES. THE REPORT SHALL AS
 THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS SECRET RECOMMENDATIONS.
 THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS SECRET RECOMMENDATIONS.
 THE TOTAL TOPS THE TOTAL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS SECRET RECOMMENDATIONS.
 - JBMITTED TO THE OWNER WITH THE REPORT.
 - SUBMITTED TO THE OWNER WITH THE REPORT.

 FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:

 TREES: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING TREES: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 6 AFTER CROSS-RIPPING: NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU, YDS, PER 1,000 S.F.

 - 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) 10 LBS. PER CU. YD. "CLAY BUSTER" OR EQUAL USE MANUFACTURER'S RECOMMENDED RATE

- IN IRON SULPHATE 2.LBS, PER CU, YO.

 NI THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, THINSH GRADE" REFERS TO THE FINAL ELEVATION OF THE SCH SURFACE (NOT FOR OF MALCH AS INDICATED ON THE GRADING PLANS.

 BEFORE START ING WOOD, THE LANDSOLVE CONTRACTOR SHALL KERRY THAT THE ROUGH GRADES OF ALL BEFORE START ING WOOD, THE LANDSOLVE CONTRACTOR SHALL KERRY THAT THE ROUGH GRADES OF ALL BEFORE START ING WOOD, THE LANDSOLVE CONTRACTOR SHALL KERRY THAT THE ROUGH GRADES OF ALL BEFORE START IN THE ROUGH GRADES AND CONSTRUCT AND MAINTAIN PRINSH GRADES AS SHOWN ON GRADING PLANS. AND CONSTRUCT AND MAINTAIN PRINSH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN PRINSH GRADES AS SHOWN ON GRADEN PLANS. AND CONSTRUCT AND MAINTAIN PRINSH GRADES AND HALL BE REFORED TO BEEN IN THE REFORM ON THE GRADES AND PLANS AND AREAS OF POTENTIAL PROBRISH AT THE MINIMAL STOP SHALL BE REPORTED AND UNITED WITH THE SURROUNDING PLANS. AND AREAS OF POTENTIAL PROBRES AT THE MINIMAL SHOP SHALL BE REPORTED TO BE LEVED TO THE AND UNITED WITH THE SURROUNDING PLANS. AND AREAS OF POTENTIAL PROBRES AND THE AMOUNT OF SOLI AMENDMENTS TO BE ADDED GRADES ON A SOL TEST PER SPECIFICATIONS, AND THE FIRST GRADES TO BE ESTABLISHED. THIS PROBRES HAS BEEN AND A SOL TEST PER SPECIFICATIONS, AND THE FIRST GRADES TO BE ESTABLISHED. THE CONTRACT AND ADDITIONAL PROBRES HAVE BEEN AND ADDITIONAL PROBRES HA

- THE SUIT SOFFICE TO MEET FIRST GROUP, AS SPECIFIED ON THE GROUND FLARS, AT APPROXIMATELY TO AWAY FROM THE WILLIS.

 5. SHOULD ANY CONTICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTULA CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRIND SUCH TEMPORATION TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER, OKCE SOIL PREPARATION IS COMPLETE. THE LANDSCAPE CONTRACTOR SHALL BUSINET THAT THERE ARE NO DEBRIS,
- TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.
- S CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND RECEIVE APPROVIDE, IN MRITING FOR BUILD SUBMITTALS SHOPEW WONG KOMBENDES, FOR SCALE PROTOS OR SUBMITTALS SHALL INCLIDE PROTOS OF FLANTS WITH A ROLLER OR MACKINEN, STICK, FOR SCALE PROTOS OR SUBMITTALS SHALL INCLIDE PROTOS OR FOR THE STICK AND STICK
- STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
 WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING
- CONSIDERED.
 ERAL PLANTING
 RFMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
- REMUVE ALL NURSERY I AGS AND STARES FROM PLANTS.
 EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
- MANUA COURSES RECOMMENDED RATE:

 TREMCHING NEAR EXISTING TREES:

 TREMCHING NEAR EXISTING TREES:

 CREAT OF EXISTING TREES:

 CREAT OF EXISTING TREES:

 CREAT OF EXISTING TREES:

 CREAT OF EXISTING TREES: AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID HAURY TO TREE ROOTS. TRAINING, AND BRANCHES. THE CREAT OF EXPENSE AS A GREAT CHARMAN SHALL EXISTING.

 THERE TRUING WITH A RADIUS EQUAL, TO I FOR EVERY 1'OF TRUING LAMFETRA-T-REAST-HEIGHT (4.5' ASOUTH THE ARMAN CHARMAN CHARMAN THE TRUING TRUING THE TRUING THE TRUING THE CONTROL USING HAID TOOLS. NO MACHINE EXCANTION OR TRUING HIGH OF ANY KIND SHALL BE ALLOWED WITHIN THE CRE.

 ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-12" AND LARGER IN DIMMETER, WHERE TREE ROOTS 1-12" AND LARGER IN COUNTER ARE EXCENTED IN THE FIELD. TUNNEL UNDER SUCH ACOUTS. WIRE PERFORMED TO SHEEP AND THE CREAT CHARMAN THE CREAT CHARMAN THE CREAT CHARMAN THE PIPE.

 AND LARGER IN COUNTER ARE EXCOUNTERED IN THE FIELD. TUNNEL UNDER SUCH ACOUTS. WIRE PERFORMED TO SHEEP AND THE PIPE. THE CREAT CHARMAN THE CREAT CHARMAN THE CREAT CHARMAN THE CREAT CHARMAN THE PIPE. THE PIPE. THE PIPE THE CREAT CHARMAN THE PIPE. THE PIPE THE CREAT CHARMAN THE PIPE. THE PIPE THE PIPE THE CREAT CHARMAN THE PIPE. THE PIPE THE PIPE THE PIPE. THE PIPE THE PIPE THE PIPE. THE PIPE THE PIPE. THE PIPE THE PIPE. THE PIPE THE PIPE. THE PIPE

 - LINES WITHIN 24 HOURS.
 ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SALLERS OR WOUND PAINTS.
- TREE PLANTING
- PLANTING TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND
- THE E PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM MIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH HOLD, TO THE DEPTH HOT PIER FORTBALL SESS TWO TO FOUR INFORMS. TO THE THEE, REMOVE ANY SCAPELY THE SIDES AND BOTTOM OF THE PLANTING HOLE PHICK TO THE FLACEMENT OF THE TIREE, REMOVE ANY STATEMENT OF THE PLANTING HOLE PHICK THE SIDES AND BOTTOM OF THE TREE, THE ROOT TO THE FORTBALL SHAWE AT ILAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLANCING HOTO THE PLANTING PIC. ON OT THESE, FOOTS OUT FROM THE ROOTBALL OF ALL TREES JUST BEFORE PLANCING HOTO THE PLANTING PIC. ON OT THESE FOOTS OUT FROM THE ROOTBALL OF ALL TREES JUST BEFORE PLANCING HOTO THE PLANTING PIC. ON OT THESE FOOTS OUT FROM THE ROOTBALL OF ALL TREES JUST BEFORE PLANCING HOTO THE PLANTING PIC. ON OT THESE FOOTS OUT FROM THE ROOTBALL OF ALL TREES JUST BEFORE PLANCING HOTO THE PLANTING PIC. ON OT THESE FOOTS OUT FROM THE ROOTBALL OF ALL TREES JUST BEFORE PLANTING THE BACKFILL, SHOULD ADDITIONAL SIX BE REQUIRED.

- OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BADAFILL, SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, USES STORED PORSOL FROM ONESTE OR IMPORT ADDITIONAL TOSPIC FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IMPORTED TOSPICL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE OWNER THE OWNER THE OWNER OF ADDITIONAL COST TO THE OWNER. IMPORTED TOSPICL SHALL NOT BE STANDED UNLICE LOCAL CONTROLLING IN SIGH AS HEAVY PINKS OR PLACEDS REQUIRES THAT SHALL NOT BE STANDED FROM THE STANDED FROM THE STANDES OF ADDITIONAL OWNER OF THE STANDES FALL OFFI THE STANDES OWNER O
- STABILIZE THE TREE

 UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE
 INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS). D. SODDING
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN
- SOU VABLEY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.

 LOY SOUTHTHIN # HOUSE PROW THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.

 LAY THE SOO TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOO STRIPS DO NOT

 OVERLAP. STAGES FISHED TO OFFSET JOINTS IN ADJACENT COURSES.

 ROULTH'S SOOT DE DESIDER GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOL UNDERNEATH.

 WATER THE SOOT HOROUGHLY WITH THE SEPRAY MINEDATELY AFTER PLANTING TO DETAIN AT LEAST SIX NICHES.
- OF PENETRATION INTO THE SOIL BELOW THE SOD
- OP PENELTRA IDENTIFICATION OF STANDAL BE AS FOLLOWS:

 1. TURE HYDROMUCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:

 9. FOR MIX (OCTOBER 1 MAYOR 31)

 28. OUNHALLED BERMUNDA SEED

 29. UNHALLED BERMUNDA SEED

 - 509 CELLULOSE HIBER MULCH
 2# UNHULED BERMUDA SEED
 2# ANNUAL RYE SEED
 15% 15-15-15 WATER SOLUBLE FERTILIZER
 SUMMER MIX (APRIL 1 SEPTEMBER 30)
 50# CELLULOSE HIBER MULCH
 50# HULLED BERMUDA SEED

 - 2# HULLED BERMUDA SEED
 15# 15-15-15 WATER SOLUBLE FERTILIZER
 SEED HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
 0. GENERA.
 0. GENERAL
 15# 15-15-15 WATER SOLUBLE FERTILIZER
 SEED RATE PER LEGEND

- MULCH
 1. INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE RINGS.
 2. DO NOT INSTALL MULCH WITHIN 8" OF TREE ROOT FLARE AND WITHIN 24" OF HABITABLE STRUCTURES. EXCEPT AS MAY BE NOTED ON THESE PLANS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDI ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3"
- NO UP DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.

- ORDERLY CONDITION.

 LEGALLY DISSORE ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.

 INSPECTION AND ACCEPTANCE

 INSPECTION AND ACCEPTANCE

 AND TRANSH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS

 AND TRANSH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN

 INSPECTION OF THE COMBET OF DETRINGER FINAL ACCEPTABILITY.

 WHEN THE RAPPECTE PLANTING WORN DOES NOT COMPAT. WITH THE CONTRACT DOCUMENTS. THE LANDSCAPE

 OFFICE OF SHALL REPLACE ANDOR REPLACE THE REJECTED WORN TO THE OWNER'S SANTSFACTION WITHIN 24

 HOUSE, ONE OF SHALL REPLACE ANDOR REPLACE THE REJECTED WORN TO THE OWNER'S SANTSFACTION WITHIN 24

 HOUSE, ONE OF SHALL REPLACE ANDOR REPLACE THE REJECTED WORN TO THE OWNER'S SANTSFACTION WITHIN 24

 HOUSE, ONE OF SHALL REPLACE ANDOR REPLACE THE REJECTED WORN TO THE OWNER'S SANTSFACTION WITHIN 24
- HOURS.
 THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMERCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-MSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A NOTITEN MOTICE OF FINAL ACCEPTABLE IS BESUED BY THE OWNER, AND THE MAINTENANCE MOD GUARANTEE PERIODS WILL COMMENCE.
- LANDSCAPE MAN THE ISOURD BY THE CYMENT, AND THE MONITORING PRINT SUBMINISTED AND COMMISSION OF THE STATE OF THE MANTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR DOINS BETOND THIM. ACCEPTANCE OF ALL LANDSCAPE WORK BY THE CYMENE LANDSCAPE MANTENANCE SHALL INCLUDE WESSELVE WISTER FOR THE FOLLOWING ACTIONS (SA PPROPRIATE, PROPER PROMISE, BETSTAND OF THE STATE OF THE PROLICE WAS A PROPER PROMISE. BETSTAND OF THE STATE OF THE PROLICE MONITOR AND ACCITATION OF AUTOMOTION OF THE PROPER PROMISE. BETSTAND OF THE STATE OF THE PROLICE MONITOR AND ACCITATION OF AUTOMOTION. PRIAMO RESTANDIO OF TREES, RESETTINO OF PLATE IN THE MALITYMON PLILING ISSA SPREDGRIATE, PROPER MEETING RESEARCH OF LAWNS OF THE THE MALITY OF THE MALITY OF
- OCCUR: THE LANDSCAPE SHALL SHOW ACTIVE. HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL
- THE LANGSCAPE SHALL SHOW ACTIVE. HEALTHY GROWTH WITH EXCEPTIONS WADE FOR SEASONAL ODDRAWCH, ALL HANTS NOT MEETING THIS CONCINION SHALL BE RELECTED AND REPLACED BY HEALTHY ALL HANDSCAPE SHALL BE LEARNED PRIOR TO THIN. ACCEPTANCE.

 ALL HANDSCAPE SHALL BE CLEANED PRIOR TO THIN. ACCEPTANCE.

 SODOED AREAS MAY BE ACTIVILLY GROWNE AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROWLOCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH, BARE AREAS LARGER THAN THE VIEWLY SOLARIE MOHES MUST BE CHARGED AND CONCINION AND MUST BE ACTIVE. HEALTH SHOW ACTIVE, HEALTHY GROWTH, BARE AREAS LARGER THAN THE VIEWLY SOLARIE MOHES MUST BE RESOLDED OR RESERVED AS APPROPRIATE PHOR TO FINAL ACCEPTANCE.
- THE LYE SQUIFT INCHES MUST BE RESOLDED OR RESELDED AS SPRHOPRIATE PHIOR TO FINA. ACCEPTANCE.

 MARRAM LISCORDED THE SHALL BE RAILT MOWING.

 1. THE AMDISCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERBINALS, SOO, SEDEDI-HYDROMULCHED
 AREA, AND RIGHTON STOR SHALL GUARANTEE ALL TREES, SHRUBS, PERBINALS, SOO, SEDEDI-HYDROMULCHED
 AREA, AND RIGHTAND TO SHALL GUARANTEE ALL TREES, DRIVING THE OWNERS FINAL
 ACCEPTANCE (50 DAYS FOR ANNIAL PLANTS, THE CONTRACTOR SHALL REPLACE, AT HIS OWNE EXPENSE AND TO THE
 ASTISFACTION OF THE OWNERS, THAT PLANTS WHICH DIES IN THAT TIME, OR REPRIAT ANY PORTIONS OF THE RIREGATION.
- SYSTEM WHICH OPERATE IMPROPERLY IN WHICH DEEP INTERCENT THE GUARANTE PERIOD, THE LANDSCAPE CONTRACTOR SHALL GOLD, BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN THAT THE MITTEL AND THE ATTRIBUTED SHALL GOLD, BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN THAT DEATH CANNOT BE ATTRIBUTED SHALL GOLD, BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN THAT DEATH CANNOT BE ATTRIBUTED THE OWNER AT WHICH AND THE PROPORTION OF THE OWNER OF THE OWNER AS THE O
- DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

∞ l SCHLAGEL 8
Engineers•Planners

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06/13/2025

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STREET,

DGE

큔 MILL

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AND

RS AUTOMOTIVE LOT 2B N BROTHERS / FAG RIDGE LO ST, ST CHR

LANDSCAPE SPECIFICATIONS

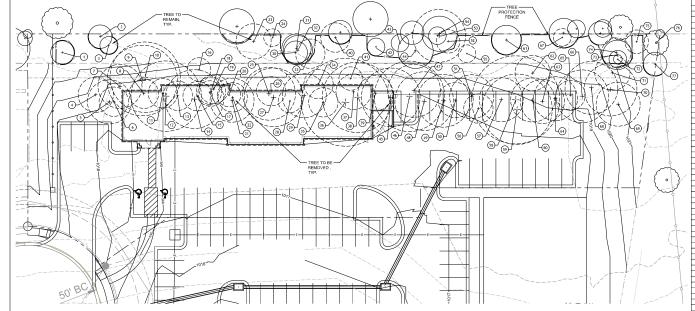
SHEET

IP-3



DF231327-3001 Address: 909 N K7 HWY Owner: JO CO PARK & RECREATION DISTRICT

(UNPLATTED)



LEGEND



EXISTING TREE TO BE REMAIN EXISTING TREE TO BE REMOVED

TREE PROTECTION FENCING

TREE PROTECTION GENERAL NOTES

- TREE PROTECTION GENERAL NOTES

 (A) PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL CLEARLY MARK ALL PROTECTED TREES FOR MACROSPORT OF THE PROJECTION OF THE PROJECTION OF THE PROJECTION OF THE TREES FOR MACROSPORT OF THE PROJECTION OF TH

NOTE: TREE PROTECTION FOR ANY PRESERVED OR RELOCATED TREES MUST BE PROVIDED PER DETAILS AND SPECIFICATIONS ON SHEET TD-2. THESE MUST BE UP PRIOR TO THE COMMENCEMENT OF ANY WORK AND MAINTAINED THROUGHOUT CONSTRUCTION.

NOTE: ALL TREE TRIMMING MUST BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO COMMENCEMENT OF WORK. ALL TREE TRIMMING MUST BE DONE BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH LOCAL TREE PRESERVATION ORDINANCE.

NOTE: TREE PRESERVATION TO MEET ALL REQUIREMENTS WITHIN THE OLATHE UNIFIED DEVELOPMENT ORDINANCE 18.30.240 - TREE PRESERVATION.

TREE DISPOSITION CHART

TREE NUMBER	Common Name	Scientific Name	SIZE (OBH INCHES)	CONDITION	STATUS	SIGNIFICANT	NATIVE	REMOVED INCHES (DBH)	PRESERVED INCHES IDB
1	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES	INCHES (BOT)	8
2	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES		8
3	American Elm	Ulmus americana	6	Good	PRESERVE	NO	YES		6
4	Osage Orange	Madura pomifera	12	Poor	REMOVE	NO	YES	12	
5	Osage Orange	Mactura pomifera	15	Poor	REMOVE	NO NO	YES	15	
6 7	Osage Orange	Maclura pomifera	10 15	Poor	REMOVE	YES	YES	10 15	
8	Osage Orange Osage Orange	Mactura pomifera Mactura pomifera	10	Good	REMOVE	NO NO	YES	10	
9	Hackberry	Cettis occidentalis	24	Fair	REMOVE	YES	YES	24	
10	Hackberry	Celtis occidentalis	24	Poor	REMOVE	NO.	YES	24	
11	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	
12	Siberian Elm	Ulmus pumita	24	Poor	REMOVE	NO.	NO	24	
13	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	
14	Hackberry	Cettis occidentalis	20	Poor	REMOVE	NO NO	YES	20	
15	Osage Orange	Madura pomifera	10	Good	REMOVE	YES	YES	10	
16 17	Mackberry Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO NO	YES	8	
18	Osage Orange	Madura pomifera	10	Fair	REMOVE	YES	YES	10	
19	Osage Orange	Madura pomifera	10	Poor	REMOVE	NO	YES	10	
20	Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO	YES	8	
21	Osage Orange	Maclura pomifera	15	Fair	REMOVE	YES	YES	15	
22	American Elm	Ulmus americana	10	Good	REMOVE	YES	YES	10	
23	Siberian Elm	Ulmus pumita	12	Good	REMOVE	NO NO	NO		
24	Siberian Elm	Ulmus pumila	6	Good	REMOVE	NO.	NO		
25	Black Cherry	Prunus serotina	18	Poor	REMOVE	NO	YES	18	
26 27	Osage Orange	Madura pomifera	10 20	Fair	REMOVE	YES	YES	10 20	
28	Osage Orange Osage Orange	Maclura pomifera Maclura pomifera	8	Fair Poor	REMOVE	NO NO	YES	8	
29	Osage Orange	Madura pomifera	15	Pour	REMOVE	NO NO	YES	15	
30	Hackberry	Cettis occidentalis	8	Good	PRESERVE	YES	YES		8
31	Black Cherry	Prunus serotina	10	Fair	PRESERVE	YES	YES		10
32	Hackberry	Celtis occidentalis	10	Fair	PRESERVE	YES	YES		10
33	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES		10
34	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	
35 36	Osage Orange	Madura pomifera	10 30	Fair	REMOVE	YES NO	YES	10 30	
37	Osage Orange Osage Orange	Maclura pomifera Maclura pomifera	12	Poor	REMOVE	NO NO	YES	12	
38	Osage Orange	Madura pomifera	24	Fair	REMOVE	YES	YES	24	
39	Osage Orange	Madura pomifera	12	Pogr	REMOVE	NO	YES	12	
40	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES		10
41	Hackberry	Celtis occidentalis	8	Fair	REMOVE	YES	YES	8	
42	American Elm	Ulmus americana	6	Good	PRESERVE	NO	YES		6
43	Hackberry	Cettis occidentalis	6	Good	PRESERVE	NO	YES		6
44	Hackberry	Celtis occidentalis	12	Good	PRESERVE	YES	YES		12
45 46	Osage Orange	Madura pomifera	20	Fair/Poor	REMOVE	NO NO	YES	20	
46	Osage Orange	Maclura pomifera	18	Fair/Poor Fair/Poor	REMOVE	NO NO	YES	18	
48	Osage Orange Osage Orange	Mactura pomifera Mactura pomifera	20	Fair/Poor	REMOVE	NO NO	YES	20	
49	Osage Orange	Maclura pomifera	18	Fair/Poor	REMOVE	NO NO	YES	18	
50	Osage Orange	Maclura pomifera	12	Fair/Poor	REMOVE	NO	YES	12	
51	Osage Orange	Madura pomifera	15	Fair/Poor	REMOVE	NO	YES	15	
52	Siberian Elm	Ulmus pumila	8	Good	REMOVE	NO NO	NO		
53	Black Cherry	Prunus serotina	18	DEAD	REMOVE	NO	YES	18	
54	Hackberry	Celtis occidentalis	12	Good	PRESERVE	YES	YES		12
55 56	Siberian Elm	Ulmus pumila	10	Fair	REMOVE	NO YES	NO	10	
57	American Elm	Ulmus americana Maciura pomifera	10	Good	REMOVE	YES NO	YES	10	
58	Osage Orange Osage Orange	Madura pomifera	30	Fair	REMOVE	YES	YES	30	
59	Osage Orange	Maclura pomifera	24	Fair	REMOVE	YES	YES	24	
60	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO.	YES	15	
61	Black Walnut	Juglans nigra	10	Good	PRESERVE	YES	YES		10
62	Hackberry	Celtis occidentalis	12	Fair	REMOVE	YES	YES	12	
63	Osage Orange	Maclura pomifera	15	Fair	REMOVE	YES	YES	15	
64	Osage Orange	Madura pomifera	15	Poor	REMOVE	NO	YES	15	
65	Osage Orange	Maclura pomifera	10	Fair	REMOVE	YES	YES	10	
66	Osage Orange	Madura pomifera	18	Fair	REMOVE	YES	YES	18	
67 68	Black Cherry	Prunus serotina Prunus serotina	6 18	Poor Poor	REMOVE	NO NO	YES	18	6
68	Black Cherry Osage Orange	Prunus serotina Maciura pomifera	18	Poor	REMOVE	YES	YES	18	
70	Osage Orange Osage Orange	Mactura pomitera	15	Fair	REMOVE	YES	YES	15	
71	Hackberry	Celtis occidentalis	12	Good	REMOVE	YES	YES	12	
72	Hackberry	Celtis occidentalis	6	Good	PRESERVE	NO	YES		6
73	Hackberry	Celtis occidentalis	10	Good	PRESERVE	YES	YES		10
74	Black Cherry	Prunus serotina	10	Dead	REMOVE	NO	YES		10
75	Siberian Elm	Ulmus pumila	8	Fair	REMOVE	NO.	NO		
76 77	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES		8
77	Hackberry	Cettis occidentalis	8	Good	PRESERVE	YES	YES	_	8

TREE MITIGATION	N TABLE								
424	TOTAL PROTECTED INCHES (DBH)								
320	SIGNIFICANT INCHES (DBH) REMOVED								
104	SIGNFICANT INCHES (DBH) PRESERVED PERCENTAGE OF SIGNIFICANT INCHES PRESERVED PERCENTAGE OF MITIGATION REQUIRED INCHES (DBH) OF MITIGATION REQUIRED								
25%									
5%									
23									
30	INCHES OF N	ATIVES TRE	ES <8" PRESER	VED					

TREE DISPOSTITION

SHEET

TD-1



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SCHLAGEL & ASSOCIATES,

CHRISTIAN BROTHERS AUTOMOTIVE STAG RIDGE LOT 2B

STREET, OLATHE,

N MILLRIDGE

AND

STREET,

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TREE PRESERVATION SPECIFICATIONS & DETAILS

SHEET

TD-2

TREE DISPOSITION SPECIFICATIONS

- FABRIC: 4 FOOT HIGH ORANGE PLASTIC FENCING AS SHOWN ON THE PLANS AND SHALL BE WOVEN WITH 2 INCH MESH OPENINGS SUCH THAT IN A VERTICAL DIMENSION OF 22 INCHES ALCING THE DIAGONALS OF THE OPENINGS THERE SHALL BE AT LEAST 7 MESHES.
- POSTS: POSTS SHALL BE A MINIMUM OF 72 INCHES LONG AND STEEL 'T' SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAR FOOT.
- TIE WIRE: WIRE FOR ATTACHING THE FABRIC TO THE T-POSTS SHALL BE NOT LESS THAN NO. 12 GAUGE GALVANIZED WIRE.
- USED MATERIALS: PREVIOUSLY-USED MATERIALS, MEETING THE ABOVE REQUIREMENTS AND WHEN APPROVED BY THE OWNER, MAY BE USED.

CONSTRUCTION METHODS

- ALL TREES AND SHUBS SHOWN TO REMAIN WITHIN THE PROXIMITY OF THE CONSTRUCTION SITE SHALL BE PROTECTED PRIOR TO BEGINNING ANY DEVELOPMENT ACTIVITY.
- EMPLOY THE SERVICES OF AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST AND OBTAIN ALL REQUIRED PERMITS TO PRIME THE EXISTING TREES FOR CLEANING, RAISING AND THINNING, AS MAY BE REQUIRED.
- PROTECTIVE FENCING SHALL BE ERECTED OUTSIDE THE CRITICAL ROOT ZONE (FIX. EQUAL TO 1 FROM THE TRUMK FOR EVERY 1" OF BOBH AT CONSULTANT AMOOR CITY ASSIGNS 1 AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS. FENCING SHALL BE MAINTAINED AND REPARED BY THE CONTRACTOR DIVERS SITE CONSTRUCTION. TREES IN CLOSE PRODMITY SHALL BE FENCED TOGETHER, RATHER THAN MOTIFICALLY.
- PROTECTIVE FENCE LOCATIONS IN CLOSE PROXIMITY TO STREET INTERSECTIONS OR DRIVES SHALL ADHERE TO THE APPLICABLE JURISDICTION'S SIGHT DISTANCE CRITERIA.
- THE PROTECTIVE FENCING SHALL BE ERECTED BEFORE SITE WORK COMMENCES AND SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE.
- THE INSTALLATION POSTS SHALL BE PLACED EVERY 6 FEET ON CENTER AND EMBEDDED TO 18 INCHES DEEP. MESH FABRIC SHALL BE ATTACHED TO THE INSTALLATION POSTS BY THE USE OF SUFFICIENT WIRE TIES TO SECURELY FASTEN THE FABRIC TO THE T-POSTS TO HOLD THE FABRIC IN A STABLE AND URIGHT FOSTION

- WITHIN THE CRZ:
 a. DO NOT CLEAR, FILL OR GRADE IN THE CRZ OF ANY TREE.
 b. DO NOT STORE, STOCKPILE OR DUMP ANY JOB MATERIAL, SOIL OR
 RUBBISH UNDER THE SPREAD OF THE TREE BRANCHES.
 C. DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE

- DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE TREE CANDIV.

 DO NOT PARK OR STORE OF OR OPERATIONS UNDER THE TREE CANDIV.

 DO NOT SET UP ANY FOLKTION OF OR THE ADD NOT THE PARK OF THE PA

- ROUTE UNDERGROUND UTILITIES TO AVOID THE CRZ. IF DIGGING IS UNAVOIDABLE, BORE UNDER THE ROOTS, OR HAND DIG TO AVOID SEVERING THEM.
- WHERE EXCAVATION IN THE VICINITY OF TREES MUST OCCUR, SUCH AS FOR IRRIGATION INSTALLATION, PROCEED WITH CAUTION, AND USING HAND TOOLS ONLY.
- 10. THE CONTRACTOR SHALL NOT CUT ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATION OCCURS NEAR EXISTING TREES. ALL ROOTS LARGER THAN ONE INCH IN DIAMETER RAPE TO BE CUT CLEANLY. FOR OAKS ONLY, ALL WOUNDS SHALL BE PAINTED WITH WOUND SEALER WITHIN 30 MINUTES.
- REMOVE ALL TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS BY HAND.
- 12. TREES DAMAGED OR KILLED DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED AT THE CONTRACTOR'S EXPENSE AND TO THE PROJECT OWNER'S AND LOCAL JURISDICTION'S SATISFACTION.
- ANY TREE REMOVAL SHALL BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO ITS REMOVAL, AND THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS FOR SUCH ACTIVITIES.
- COVER EXPOSED ROOTS AT THE END OF EACH DAY WITH SOIL, MULCH OR WET BURLAP.
- 15. IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DUING CONSTRUCTION AND WHERE HEAVY TRAFFIC IS ANTICEPATED, COVER THE SOLK WITH EIGHT INCHES OF ORGANIC MULICH TO MINUTE SOIL COMPACTION. THIS BIGHT INCH DEPTH OF MULICH SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 16. WATER ALL TREES IMPACTED BY CONSTRUCTION ACTIVITIES, DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
- 17. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TREE PROTECTION FENCING WHEN ALL THREATS TO THE EXISTING TREES FROM CONSTRUCTION-RELATED ACTIVITIES HAVE BEEN REMOVED.

TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS TROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.

TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.





OPEN TRENCHING MAY BE USED IF EXPOSED TREE ROOTS DO NOT EXCEED 2° OR ROOTS CAN BE BENT BACK.

BORING THROUGH ROOT PROTECTION ZONE

- TES

 RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND
 PRE-CONSTRUCTION MEETING.

 BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRE-CONSTRUCTION
 MEETING AND FLAGGED PRIOR TO ROOT PROJUNG.

 MEETING AND FLAGGED PRIOR TO ROOT PROJUNG.

 COORDINATION WITH THE FOREST WIS RESECTOR.

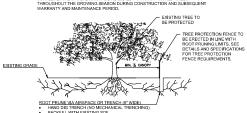
 TRENDIA SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATE DO SIDL OR OTHER
 ORGANIS SOILS AS SPECIFIED PER FLAG OR BY THE FOREST IN MSPECTOR.

 ROOTS SHALL BE CLEAKLY DUT USING VIRRATORY NAME OR OTHER ACCEPTABLE

 COULYMENT, BOT PROJUNG MEETINGS AND MEANS MUST BE IN ACCEPTABLE

 BOUNDARY. THE PROJUNG MEETINGS AND MEANS MUST BE IN ACCEPTABLE

 BOUNDARY. THE PROJUNG MEETINGS AND MEANS MUST BE IN ACCORDANCE WITH
- EQUIPMENT, ROT PROVINGS ME HOUS AND MEANS MUST BE IN ACCORDANCE WHIT ANSI STANDARD ASSIO.
 ALL PRUNING MUST BE EXECUTED AT LOS SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FORESTRY INSPECTOR.
 SUPPLEMENTAL WATERING MAY BE REQUIRED FOR ROOT PRUNED TREES THROUGHOUT THE GROWING SEASON DURING CONSTRUCTION AND SUBSEQUENT THROUGHOUT THE GROWING SEASON DURING CONSTRUCTION AND SUBSEQUENT.



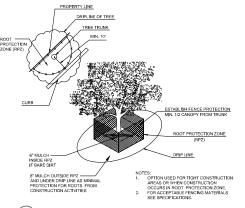
PERFORM ROOT PRUNING A MINIMUM OF 2 WEEKS PRIOR TO CONSTRUCTION

ROOT PRUNING DETAIL



- THE FENONIS LOCATION SHOWN ABOVE IS DARRAMATIC DIN YAND WILL CONFORM TO THE DRIP LINE (MINIMAL) AND BE LIMITED TO PROJECT BOUNDARY. WHERE MULTIPLE AJACIENT TREES WILL BE ENCLOSED BY FENONING, THE FENCING SHOWN AND THE FENCING SHOWN AND THE PROJECT ADDITION ADDITION ADDITION ADDITION ADDITION OF ADDITION ADDITION OF ADDITION ADDITION ADDITION OF ADDITION ADDITIO S.
 THE FENCING LOCATION SHOWN ABOVE IS

TREE PROTECTION FENCE



TREE PROTECTION FENCE - TIGHT CONSTRUCTION

