

LANDSCAPE INSTALLATION:

COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.

NO PLANTING WILL BE INSTALLED UNTIL COMPLETE GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

WHERE SOD/SEED ABUTS PAVED SURFACES, FINISHED GRADE OF SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.

SEED ALL AREAS DISTURBED DUE TO GRADING. SEED SHALL BE INSTALLED AND MULCHED AS PER MNDOT SPECS.

ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERYMEN. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 5' ABOVE FINISHED GRADE.

ANY CONIFEROUS TREE PREVIOUSLY PRUNED FOR CHRISTMAS TREE SALES SHALL NOT BE USED. ALL CONIFEROUS TREES SHALL BE FULL FORM, NATURAL TO THE SPECIES, WITHOUT PRUNING.

PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS TAKE PRECEDENCE OVER NOTES.

NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO THE SUBMISSION OF A BID AND/OR QUOTATION.

ALL PROPOSED PLANTS SHALL BE LOCATED AND STAKED AS SHOWN ON PLAN. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. SHOULD AN ADJUSTMENT BE ADVISED, THE LANDSCAPE ARCHITECT MUST BE NOTIFIED.

ALL PLANT MATERIALS SHALL BE FERTILIZED UPON INSTALLATION WITH A 27-3-3 SLOW RELEASE FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS. PLANTS MAY BE TREATED FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 27-3-3 AT 6 OZ PER 2.5" CALIPER PER TREE WITH AN ADDITIONAL APPLICATION OF 27-3-3 THE FOLLOWING SPRING IN THE TREE SAUCER.

ALL PLANTING AREAS RECEIVING PERENNIALS, GROUND COVER, ANNUALS, AND/OR VINES SHALL RECEIVE A MINIMUM OF 12" DEPTH OF PLANTING SOIL CONSISTING OF 5 PARTS CLEAN TOPSOIL AND 1 PART PEAT. SHRUBS AND TREES TO BE BACKFILLED WITH SAME PLANTING SOIL.

ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS. REMOVE ALL FLAGGING AND LABELS FROM PLANTS.

WRAPPING MATERIAL SHALL BE CORRUGATED PVC PIPING 1" GREATER IN CALIPER THAN THE TREE BEING PROTECTED OR QUALITY, HEAVY, WATERPROOF CREPE PAPER MANUFACTURED FOR THIS PURPOSE. WRAP ALL DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO 12-1 AND REMOVE ALL WRAPPING AFTER 5-1.

ALL TREES TO RECEIVE 4" DEEP SHREDDDED HARDWOOD MULCH WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK.

SPREAD GRANULAR PRE EMERGENT HERBICIDE (PREEN OR EQUAL) PER MANUFACTURER'S RECOMMENDATIONS UNDER ALL MULCHED AREAS.

IF THE LANDSCAPE CONTRACTOR IS CONCERNED OR PERCEIVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS OR ANY OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR GUARANTEE, HE MUST BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT AND/OR INSTALLATION.

CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF ALL LANDSCAPE AND SITE IMPROVEMENTS.

CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE

WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE THE OWNER WITH A MAINTENANCE PROGRAM INCLUDING, BUT NOT NECESSARILY LIMITED TO, PRUNING, FERTILIZATION AND DISEASE/PEST CONTROL.

CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF OWNER ACCEPTANCE.

WARRANTY (ONE FULL GROWING SEASON) FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

UNLESS NOTED OTHERWISE THE APPROPRIATE DATES FOR SPRING PLANT MATERIAL INSTALLATION AND SEED PLACEMENT IS FROM THE TIME GROUND HAS THAWED TO JUNE 15.

FALL SEEDING IS GENERALLY ACCEPTABLE FROM AUGUST 15 - SEPTEMBER 15. DORMANT SEEDING IN THE FALL SHALL NOT OCCUR PRIOR TO NOVEMBER 1. FALL CONIFEROUS PLANTING MAY OCCUR FROM AUGUST 15 - OCTOBER 1 AND DECIDUOUS PLANTING FROM THE FIRST FROST UNTIL NOVEMBER 15. PLANTING OUTSIDE THESE DATES IS NOT RECOMMENDED. ANY ADJUSTMENT MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.

PROTECT ALL EXISTING OAKS ON SITE SCHEDULED TO REMAIN. IF EXISTING OAKS ARE DAMAGED IN ANY MANNER, ABOVE OR BELOW GROUND IN THE ROOT SYSTEM, AN ASPHALTIC TREE PRUNING PAINT SHOULD BE APPLIED IMMEDIATELY AFTER WOUNDING. OAKS ARE NOT TO BE PRUNED, REMOVED OR TRANSPLANTED BETWEEN APRIL 15 AND JULY 1. NOTIFY LANDSCAPE ARCHITECT IF THESE DATES ARE UNAVOIDABLE.

LANDSCAPE CONTRACTOR SHALL ESTABLISH TO HIS SATISFACTION THAT SOIL AND COMPACTION CONDITIONS ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AT AND AROUND THE BUILDING SITE.

GENERAL NOTES:

CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID. HE SHALL INSPECT SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.

VERIFY LAYOUT AND ANY DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND/OR INTENT OF THE PROJECT'S LAYOUT.

ASSURE COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK OR MATERIALS SUPPLIED.

CONTRACTOR SHALL PROTECT ALL EXISTING ROADS, CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING PLANTING OPERATIONS. ANY DAMAGE TO SAME SHALL BE REPAIRED AT NO COST TO THE OWNER.

CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF ALL UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION / MATERIAL INSTALLATION BEGINS (MINIMUM 10' - 0" CLEARANCE).

ALL UNDERGROUND UTILITIES SHALL BE LAID SO THAT TRENCHES DO NOT CUT THROUGH ROOT SYSTEMS OF ANY EXISTING TREES TO REMAIN.

EXISTING CONTOURS, TRAILS, VEGETATION, CURB/GUTTER AND OTHER EXISTING ELEMENTS BASED UPON INFORMATION SUPPLIED TO LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY ANY AND ALL DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.

THE ALIGNMENT AND GRADES OF THE PROPOSED WALKS, TRAILS AND/OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. ANY CHANGE IN ALIGNMENT MUST BE APPROVED BY LANDSCAPE ARCHITECT.

IRRIGATION/WATERING NOTES:

IRRIGATION IS NOT PLANNED FOR THIS SITE. FOR THE HEALTH AND SURVIVAL OF ALL PROPOSED PLANTINGS, REGULAR WATERING OF THE PLANTINGS IS RECOMMENDED.

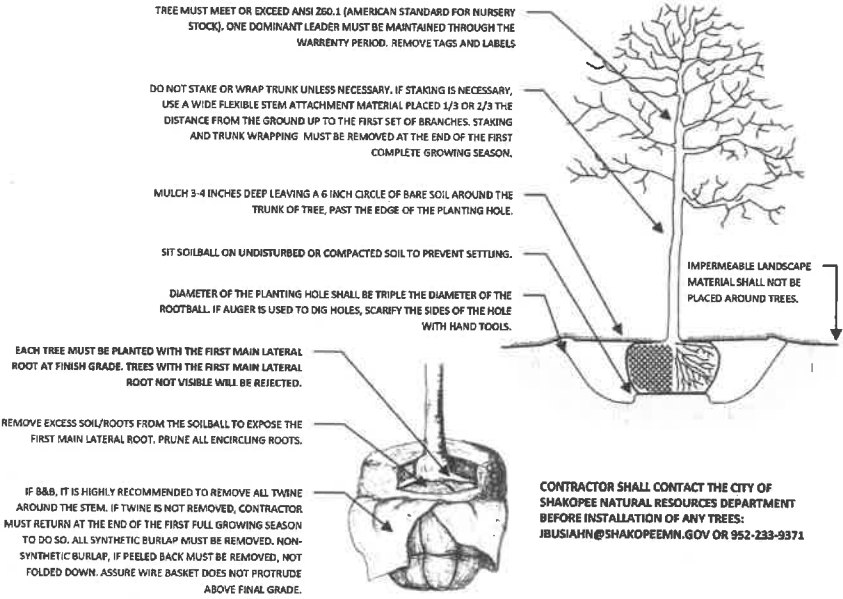
FOR ESTABLISHMENT OF PLANTINGS, THE CONTRACTOR IS TO REGULARLY WATER NEWLY INSTALLED PLANTINGS DURING PROJECT CONSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH WATERING RECOMMENDATIONS OR WATERING CONTRACT FOR THE 1 YEAR WARRANTY PERIOD.

LEGEND:

- TREES TO BE PLANTED IN FRONT YARD OF ALL LOTS. HOMEOWNERS ARE TO SELECT DECIDUOUS TREES FROM THE PLANT SCHEDULE TO THE LEFT.
- DECIDUOUS TREES TO BE PLANTED BY THE DEVELOPER. REFER TO PLANT SCHEDULE FOR SPECIES. EXACT LOCATION AND NUMBER OF SPECIES TO BE DETAILED IN FUTURE SUBMITTALS.
- CONIFEROUS TREES TO BE PLANTED BY THE DEVELOPER. REFER TO PLANT SCHEDULE FOR SPECIES. EXACT LOCATION AND NUMBER OF SPECIES TO BE DETAILED IN FUTURE SUBMITTALS.
- WET AREAS SEED MIX
MNDOT SEED MIX #33-261. APPLY AT 35 lbs/ac.
- NATIVE GRASSES AND WILDFLOWER SEED MIX
MNDOT SEED MIX #35-221. APPLY AT 36.5 lbs/ac.
- TURFGRASS SEED MIX
MNDOT SEED MIX #25-131. APPLY AT 220 lbs/ac.
- 2-5 YEAR TEMPORARY SEED MIX
MNDOT SEED MIX #22-112. APPLY AT 40 lbs/ac.

TREE PLANTING DETAIL

CITY OF SHAKOPEE, MN



CONTRACTOR SHALL CONTACT THE CITY OF SHAKOPEE NATURAL RESOURCES DEPARTMENT BEFORE INSTALLATION OF ANY TREES: JBUSIAHN@SHAKOPEEMN.GOV OR 952-233-9371

PLANT SCHEDULE

DECIDUOUS TREES	BOTANICAL NAME	CONT	SIZE	REMARKS
COMMON HACKBERRY	Celtis occidentalis	B & B	2.5"Cal	
GINKGO TREE	Ginkgo biloba	B & B	2.5"Cal	MALE NON-FRUITING
GREENSPIRE LINDEN	Tilia cordata 'Greenspire'	B & B	2.5"Cal	
RIVER BIRCH	Betula nigra	B & B	8' HGT	CLUMP
SKYLINE HONEYLOCUST	Gleditsia triacanthos 'Skycole'	B & B	2.5"Cal	
SWAMP WHITE OAK	Quercus bicolor	B & B	2.5"Cal	
VALLEY FORGE ELM	Ulmus americana 'Valley Forge'	B & B	2.5"Cal	

EVERGREEN TREES	BOTANICAL NAME	CONT	SIZE	REMARKS
AUSTRIAN PINE	Pinus nigra	B & B	6' HGT	FULL FORM
BLACK HILLS SPRUCE	Picea glauca 'Densaata'	B & B	6' HGT	FULL FORM
NORWAY PINE	Pinus resinosa	B & B	6' HGT	FULL FORM
SCOTCH PINE	Pinus sylvestris	B & B	6' HGT	FULL FORM

TREE CALCULATIONS:

48 TREES TO BE PLANTED IN FRONT YARDS BY HOMEOWNERS
41 PROPOSED 2.5" DECIDUOUS TREES PLANTED BY DEVELOPER
47 PROPOSED 6' CONIFEROUS TREES PLANTED BY DEVELOPER
1,165.8 CALIPER INCHES OF TREES ARE REQUIRED FOR MITIGATION
340 TOTAL CALIPER INCHES OF TREES ARE PROPOSED

SHAKOPEE CITY NOTES:

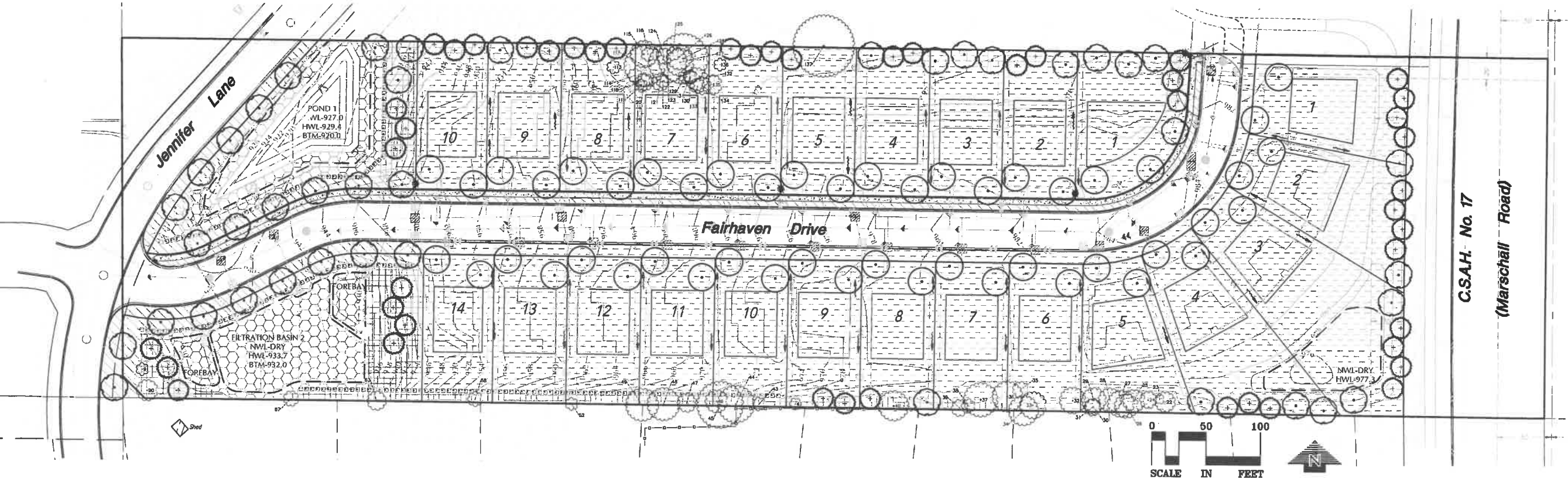
Topsoil in landscaped areas shall be at least 6 inches in depth and a sandy loam, silt loam, loam, or sandy clay consisting of no more than 65% sand, 1.5-10% organic matter, a pH of 4.5-6.8, soluble salts less than 2 mmhos/cm, free of chemical contaminants. Subsoil shall be scarified before topsoil is spread. Soil shall be generally free of debris such as large rocks and fragments of wood.

Soil compaction for all non-structural landscaped areas (including landscaping islands) shall be between 75%-80% of Standard Proctor or not to exceed 300 PSI for a minimum of the top 18" of soil. Compaction samples are to be taken after final grading of the site is complete. They are to be submitted and approved by the City of Shakopee's Natural Resources Dept. before installation of landscaping begins. Samples shall be randomly taken with even coverage of all landscaped areas. Submit sample results to the Shakopee Natural Resources Dept.- JBUSIAHN@ShakopeeMN.gov
• Soils not meeting this requirement are required to be subsoiled to relieve compaction

The landscape contractor must notify City of Shakopee Natural Resources Dept. when landscaping is complete. The warranty period shall not begin until inspection and City acceptance is complete. Contact 952-233-9371 or JBUSIAHN@ShakopeeMN.gov

Trees shall not be planted in a location that will interfere with infrastructure or be in extreme competition for resources with other trees at maturity. Minimum spacing between non-ornamental trees is 20 feet.

No trees shall be planted within City easements or right of ways without permission from the City's Engineering and Natural Resources Department.



PRAIRIE MEADOWS 2ND ADDITION

SHAKOPEE, MN

PRAIRIE MEADOWS, LLC

9625 61RD AVE. N.
MAPLE GROVE, MN 55369

LOUCKS

PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5505
www.loucksinc.com

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are instruments of the Consultant professional services for use solely with respect to the project. These CADD files shall not be used on other projects, for additions to the project, or for completion of the project by others without written approval by the Consultant. With the Consultant's approval, clients may be permitted to obtain copies of the CADD drawing files for review only. Additions or deletions to these CADD files shall be made at the full cost of that party making such revisions, including all related and third party liability and all other costs. The Consultant from any and all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

12/07/17 CITY SUBMITTAL
01/30/18 CITY COMMENTS

PROFESSIONAL SIGNATURE

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.

License No. 123456789 Date: 12/31/2018

QUALITY CONTROL

Loucks Project No. 16265B
Project Lead TWB
Drawn By TJF
Checked By TJF
Review Date 01/30/18

SHEET INDEX

C0-1 COVER SHEET
C1-1 EXISTING CONDITIONS
C2-1 SITE PLAN
C3-1 GRADING PLAN
C3-2, C3-3 SWPPP PLAN & NOTES
C4-0 OVERALL UTILITY PLAN
C4-1, C4-2 SANITARY SEWER & WATERMAIN PLAN
C5-1, C5-3 STREET & STORM SEWER PLAN
C8-1, C8-3 DETAILS
L1-1 LANDSCAPE PLAN
L2-1 TREE PRESERVATION PLAN

LANDSCAPE PLAN

L1-1

Number	Size (in)	Species	Tree Type	Condition	CRZ (Ft)	Status
1	13	Boxelder	Common	Fair	19.5	Removed
2	8	Ash, green	Common	Good	12	Removed
3	7	Ash, green	Common	Good	10.5	Removed
4	10	Ash, green	Common	Good	15	Removed
5	9.5	Ash, green	Common	Good	14.25	Removed
6	6.5	Oak, bur	Exceptional	Good	9.75	Removed
7	10.5	Elm, American	Common	Good	15.75	Removed
8	16	Boxelder	Common	Good	24	Removed
9	6	Ash, green	Common	Good	9	Removed
10	14	Ash, green	Common	Good	21	Removed
11	6	Ash, green	Common	Good	9	Removed
12	15.5	Ash, green	Common	Good	23.25	Removed
13	8	Boxelder	Common	Good	12	Removed
14	14	Ash, green	Common	Good	21	Removed
15	13.5	Ash, green	Common	Good	20.25	Removed
16	6.5	Boxelder	Common	Fair	9.75	Removed
17	6	Elm, American	Common	Fair	9	Removed
18	28.5	Ash, green	Common	Fair	42.75	Removed
19	10	Ash, green	Common	Good	15	Removed
20	11	Elm, American	Common	Good	16.5	Removed
21	7	Elm, American	Common	Good	10.5	Removed
22	11.5	Elm, American	Common	Good	17.25	Saved
23	4	Maple, sugar	Exceptional	Good	6	Saved
24	9	Ash, green	Common	Fair	13.5	Saved
25	13	Ash, green	Common	Good	19.5	Saved
26	14	Elm, American	Common	Good	21	Saved
27	16	Elm, American	Common	Good	24	Saved
28	13.5	Ash, green	Common	Good	20.25	Saved
29	14.5	Ash, green	Common	Good	21.75	Saved
30	8.5	Elm, American	Common	Fair	12.75	Saved
31	9	Elm, American	Common	Fair	13.5	Saved
32	15.5	Boxelder	Common	Good	23.25	Saved
33	16	Ash, green	Common	Good	24	Saved
34	18	Ash, green	Common	Good	27	Saved
35	8.5	Maple, silver	Common	Fair	12.75	Saved
36	18.5	Ash, green	Common	Good	27.75	Saved
37	21	Boxelder	Common	Fair	31.5	Saved
38	7	Ash, green	Common	Good	10.5	Saved
39	9	Cherry, black	Exceptional	Good	13.5	Saved
40	18	Ash, green	Common	Good	27	Saved
41	24.5	Boxelder	Common	Fair	36.75	Removed
42	5.5	Cherry, black	Exceptional	Good	8.25	Saved
43	6.5	Elm, American	Common	Good	9.75	Saved
44	23	Boxelder	Common	Fair	34.5	Saved
45	29.5	Boxelder	Common	Fair	44.25	Saved
46	13	Ash, green	Common	Fair	19.5	Saved
47	10.5	Boxelder	Common	Good	15.75	Saved
48	20	Boxelder	Common	Fair	30	Saved
49	20	Boxelder	Common	Good	30	Saved
52	6	Boxelder	Common	Fair	9	Saved
58	7.5	Cherry, black	Exceptional	Good	11.25	Saved
63	10.5	Walnut	Exceptional	Fair	15.75	Saved

Number	Size (in)	Species	Tree Type	Condition	CRZ (Ft)	Status
65	22	Cottonwood	Common	Good	33	Removed
67	8	Elm, American	Common	Good	12	Saved
68	9	Willow	Common	Good	13.5	Removed
69	11	Willow	Common	Fair	16.5	Removed
70	9	Willow	Common	Good	13.5	Removed
71	20	Willow	Common	Good	30	Removed
72	14.5	Willow	Common	Good	21.75	Removed
73	9.5	Willow	Common	Good	14.25	Removed
74	7.5	Willow	Common	Good	11.25	Removed
75	10.5	Willow	Common	Good	15.75	Removed
76	11	Willow	Common	Good	16.5	Removed
77	12	Willow	Common	Good	18	Removed
78	17.5	Cottonwood	Common	Good	26.25	Removed
79	13.5	Cottonwood	Common	Good	20.25	Removed
80	13.5	Willow	Common	Good	20.25	Removed
81	10.5	Willow	Common	Good	15.75	Removed
83	8	Boxelder	Common	Good	12	Removed
84	6	Ash, green	Common	Good	9	Removed
85	7	Willow	Common	Good	10.5	Removed
86	12.5	Willow	Common	Good	18.75	Removed
87	14	Cottonwood	Common	Good	21	Removed
88	18	Willow	Common	Fair	27	Removed
89	13	Willow	Common	Good	19.5	Removed
90	12	Elm, red	Common	Good	18	Saved
91	6	Elm, American	Common	Good	9	Saved
92	8.5	Elm, American	Common	Fair	12.75	Removed
93	10	Boxelder	Common	Good	15	Removed
94	34	Boxelder	Common	Fair	51	Removed
95	13	Boxelder	Common	Fair	19.5	Removed
96	17	Elm, American	Common	Good	25.5	Removed
97	9	Boxelder	Common	Fair	13.5	Removed
98	6.5	Ash, green	Common	Good	9.75	Removed
99	7	Elm, American	Common	Good	10.5	Removed
100	16	Boxelder	Common	Fair	24	Removed
101	6.5	Boxelder	Common	Fair	9.75	Removed
102	11.5	Boxelder	Common	Fair	17.25	Removed
103	10.5	Boxelder	Common	Fair	15.75	Removed
104	9	Boxelder	Common	Fair	13.5	Removed
105	17	Boxelder	Common	Fair	25.5	Removed
106	9.5	Boxelder	Common	Fair	14.25	Removed
107	7	Boxelder	Common	Fair	10.5	Removed
108	10	Ash, green	Common	Good	15	Removed
109	12.5	Elm, American	Common	Good	18.75	Removed
110	11.5	Ash, green	Common	Good	17.25	Removed
111	7	Ash, green	Common	Good	10.5	Removed
112	12.5	Ash, green	Common	Good	18.75	Removed
113	6.5	Ash, green	Common	Good	9.75	Saved
114	7	Boxelder	Common	Good	10.5	Saved
115	16	Cottonwood	Common	Good	24	Saved
116	6.5	Cottonwood	Common	Fair	9.75	Saved
117	25.5	Cottonwood	Common	Good	38.25	Saved

Number	Size (in)	Species	Tree Type	Condition	CRZ (Ft)	Status
118	6	Boxelder	Common	Good	9	Saved
119	6	Ash, green	Common	Good	9	Saved
120	9.5	Ash, green	Common	Good	14.25	Saved
121	9.5	Boxelder	Common	Fair	14.25	Saved
122	6.5	Boxelder	Common	Fair	9.75	Saved
123	24	Cottonwood	Common	Good	36	Saved
124	8.5	Cottonwood	Common	Good	12.75	Saved
125	6.5	Cottonwood	Common	Good	9.75	Saved
126	15	Cottonwood	Common	Good	22.5	Saved
127	16.5	Cottonwood	Common	Good	24.75	Saved
128	32	Cottonwood	Common	Fair	48	Saved
129	6.5	Boxelder	Common	Good	9.75	Saved
130	7	Boxelder	Common	Good	10.5	Saved
131	6.5	Boxelder	Common	Fair	9.75	Saved
132	13	Boxelder	Common	Good	19.5	Saved
133	7.5	Elm, American	Common	Fair	11.25	Saved
134	9.5	Boxelder	Common	Good	14.25	Saved
135	11	Boxelder	Common	Fair	16.5	Saved
136	6	Ash, green	Common	Good	9	Saved
137	40	Cottonwood	Common	Good	60	Saved
139	7	Arborvitae	Common	Good	10.5	Removed
140	10.5	Pine, white	Common	Good	15.75	Removed
141	9	Pine, white	Common	Good	13.5	Removed
142	14	Arborvitae	Common	Good	21	Removed
143	20.5	Ash, green	Common	Fair	30.75	Removed
144	16.5	Ash, green	Common	Good	24.75	Removed
145	39.5	Willow	Common	Good	59.25	Removed
146	22	Arborvitae	Common	Good	33	Removed
147	29	Maple, silver	Common	Good	43.5	Removed
148	16	Boxelder	Common	Good	24	Removed
149	24	Cottonwood	Common	Good	36	Removed
150	61.5	Willow	Common	Good	92.25	Removed
151	20	Birch, paper	Common	Good	30	Removed
152	23.5	Ash, green	Common	Good	35.25	Removed
153	19.5	Ash, green	Common	Good	29.25	Removed
154	15	Crabapple	Common	Fair	22.5	Removed
155	19	Crabapple	Common	Fair	28.5	Removed
156	40	Willow	Common	Good	60	Removed
157	27	Maple, silver	Common	Fair	40.5	Removed
158	18	Arborvitae	Common	Good	27	Removed
159	19.5	Ash, green	Common	Good	29.25	Removed
160	22	Ash, green	Common	Good	33	Removed
161	17	Maple, silver	Common	Fair	25.5	Removed
162	13.5	Ash, green	Common	Good	20.25	Removed
163	12.5	Maple, silver	Common	Good	18.75	Removed
164	17	Maple, silver	Common	Good	25.5	Removed
165	17.5	Maple, silver	Common	Good	26.25	Removed
166	12	Maple, silver	Common	Good	18	Removed
167	17	Maple, silver	Common	Good	25.5	Removed
168	12	Ash, green	Common	Good	18	Removed
169	46	Willow	Common	Good	69	Removed

LEGEND:

- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO REMAIN
- EXISTING CONIFEROUS TREE TO BE REMOVED

TREE CALCULATIONS:

2,154 = CALIPER INCHES OF TREES ON SITE

731 = CALIPER INCHES SAVED

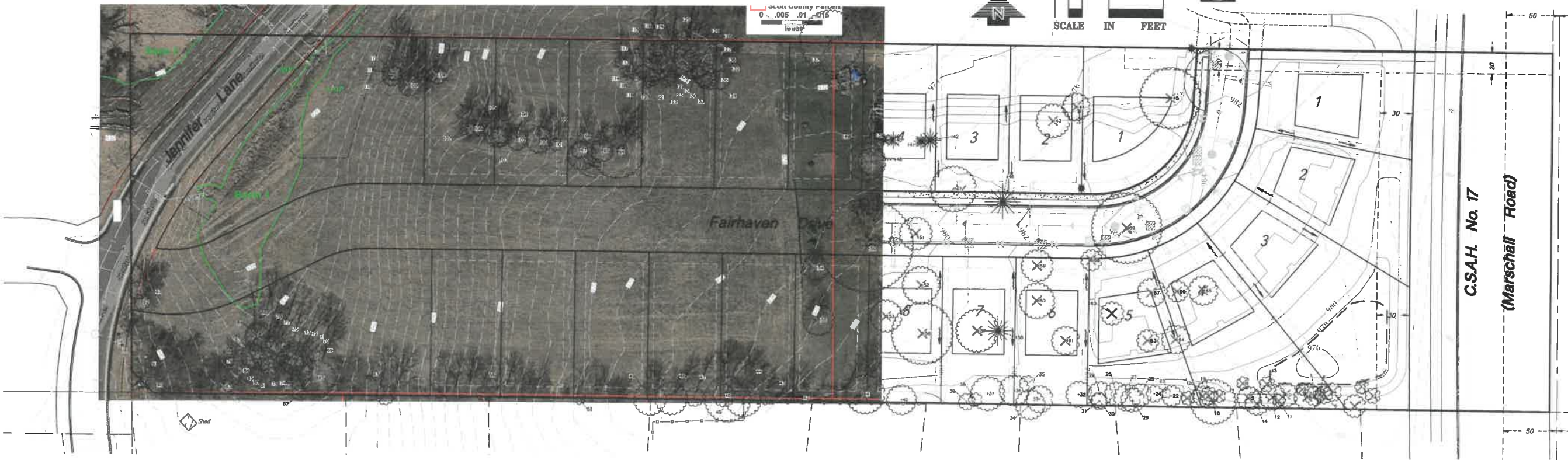
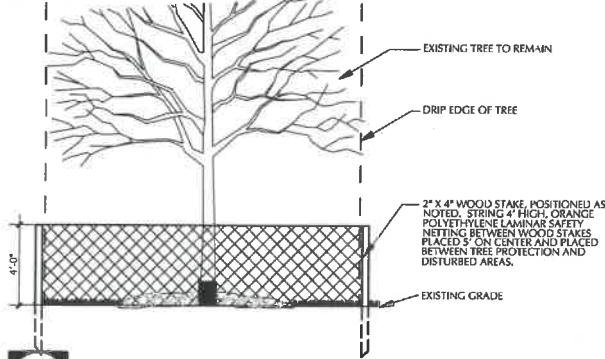
1,423.5 = CALIPER INCHES REMOVED
-646.3 = 30% ALLOWABLE REMOVAL
777.2 = CALIPER INCHES NEEDED TO BE MITIGATED

1,165.8 = CALIPER INCHES REQUIRED AT 1.5:1 REPLACEMENT RATIO

*REFER TO LANDSCAPE PLAN FOR LOCATION OF REPLACEMENT TREES

TREE PROTECTION NOTE:
INSTALL SNOW FENCE AROUND EACH TREE TO BE PROTECTED PRIOR TO GRADING. FENCE SHALL BE PLACED AT THE DRIP EDGE OR CRITICAL ROOT ZONE OF THE TREE. FENCING SHALL BE NO CLOSER THAN 6" TO THE TRUNK OF ANY TREE TO BE PROTECTED. THE PERIMETERS FOR TREES BEING PROTECTED SHALL BE DESIGNATED AT ALL TIMES DURING CONSTRUCTION ACTIVITY AND SIGNAGE SHALL BE INSTALLED AT ALL TREE PROTECTION AREAS THAT INSTRUCTS WORKERS TO STAY OUT. CONTRACTOR SHALL AVOID ALL AREAS WITHIN TREE PROTECTION FENCE. SOIL SHOULD BE PROTECTED FROM EROSION AND CHANGES IN CHEMISTRY FROM CONCRETE OR TONIC MATERIALS SUCH AS FUELS AND PAINTS.

THE CONTRACTOR SHALL HAVE "TREE PAINT" ON SITE AT ALL TIMES. IF AN OAK IS WOUNDED DURING CONSTRUCTION, THE CONTRACTOR MUST IMMEDIATELY APPLY PAINT TO THE WOUND IN ORDER TO PREVENT OAK WILT. ALL DAMAGE TO TREES TO BE PROTECTED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND LANDSCAPE ARCHITECT.



PRAIRIE MEADOWS 2ND ADDITION

SHARON, MN

PRAIRIE MEADOWS, LLC

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MAPLE GROVE, MN 55369

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CIVIL ENGINEERING
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CADD QUALIFICATION

CADD files prepared by the Consultant for this project are the property of the Consultant and shall not be used for any other project, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawings for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of the party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

12/07/17 CITY SUBMITTAL
01/30/18 CITY COMMENTS

PROFESSIONAL SIGNATURE

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.

PRELIMINARY

License No. 162658
Date 01/30/18

QUALITY CONTROL

Loucks Project No. 162658
Project Lead TWJ
Drawn By TJF
Checked By TJF
Review Date 01/30/18

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