

DEER HAVEN ESTATES II

ORLAND PARK, ILLINOIS

BOARD APPROVED

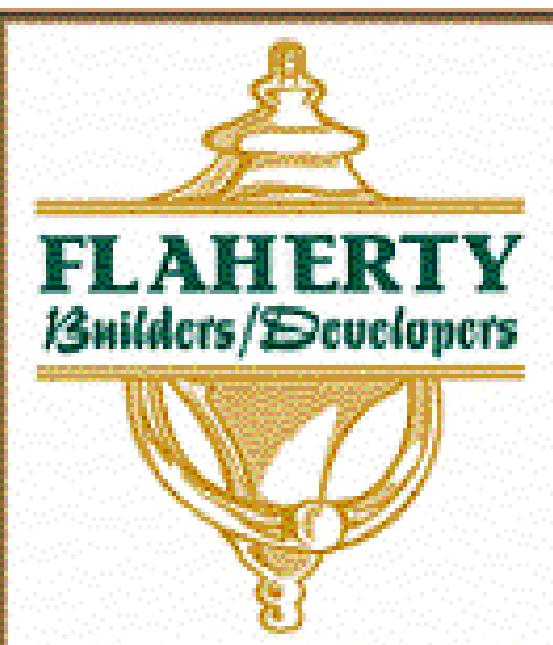
Case No:

Case No. _____
Date: _____

W/Conditions: _____

VILLAGE OF ORLAND PARK

Digitized by srujanika@gmail.com



The logo for IRG Ives/Ryan Group, Inc. It features a stylized graphic of a grid of vertical bars of varying heights on the left, followed by the letters 'IRG' in a large, bold, black serif font. To the right of 'IRG', the words 'Ives/Ryan' are stacked vertically in a smaller, black serif font, and 'Group, Inc.' is written in a black sans-serif font below them.

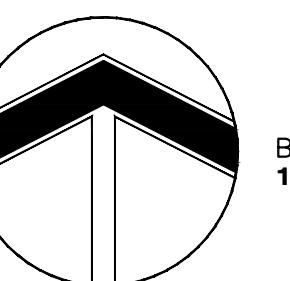
324 N. EISENHOWER LANE
LOMBARD, IL 60148
PHONE: 630.717.0726

Landscape Architecture Park & Recreation Design Site & Community Planning

PARK LAYOUT PLAN

PROJECT NO.: JOB NO.:
1214 - 8582A

DATE: 12-23-14 SHEET
SCALE: AS NOTED
PLANNER: RM
DRAWN BY: RM
CHECKED:



CONSTRUCTION NOTES:

1. Excavate and grade area as necessary to establish sub-grade for new concrete walk and shelter pad. If needed, import clean compactable clay fill to establish subgrade elevations. Furnish and install aggregate base and reinforced concrete to the elevations shown on plan. Provide tooled scoring joints and $\frac{1}{2}$ " expansion joints as indicated on the plan. Backfill where needed with 6" minimum topsoil material and blend into surrounding grade. Import clean topsoil material as necessary to fulfill requirements if no on-site topsoil stockpile is present. (See detail)
2. Excavate and grade area as necessary to establish sub-grade for new 8' asphalt path. If needed, import clean compactable clay fill to establish subgrade elevations. Furnish and install aggregate base and asphalt paving to the elevations shown on plan. Pitch path a minimum of 1% or as shown on the plan. Longitudinal grade shall not exceed 1:20 or 5%, cross pitch shall not exceed 2%. Contractor to backfill with 6" minimum topsoil material and blend into surrounding grade. Import clean topsoil material as necessary to fulfill requirements if no on-site topsoil stockpile is present. (See detail)
3. Excavate as necessary and furnish and install 6"x12" Concrete Play Area Curb. Provide $\frac{3}{4}$ " expansion joint with dowels and expansion caps where proposed concrete curb meets proposed concrete walk/shelter pad and as noted on detail. Provide saw cut control joints as noted on detail. Backfill where needed with 6" minimum topsoil material and blend into surrounding grade. Import clean topsoil material as necessary to fulfill requirements if no on-site topsoil stockpile is present. (See detail)
4. Furnish, assemble and install 2-5 yr. old play structure as indicated on the Play Apparatus and Materials Schedule. Installation must follow manufacturer's installation instructions. Installation must also conform to the current editions of ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, by the American Society for Testing and Materials, and Public Playground Safety Handbook by the Consumer Product Safety Commission.
5. Furnish, assemble and install 5-12 yr. old play structure as indicated on the Play Apparatus and Materials Schedule. Installation must follow manufacturer's installation instructions. Installation must also conform to the current editions of ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, by the American Society for Testing and Materials, and Public Playground Safety Handbook by the Consumer Product Safety Commission.
6. Furnish, assemble and install swing set as indicated on the Play Apparatus and Materials Schedule. Installation must follow manufacturer's installation instructions. Installation must also conform to the current editions of ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, by the American Society for Testing and Materials, and Public Playground Safety Handbook by the Consumer Product Safety Commission.
7. Furnish and install a 12'x12' Wooden Frame Park Shelter per representative detail. Contractor shall design and submit shop drawings for its construction and submit to the Village of Orland Park Parks Department for approval prior to construction. (See detail)
8. Furnish, assemble and install 6' Bench as indicated on the Play Apparatus and Materials Schedule. (See detail)
9. Furnish, assemble and install 46" Square Table as indicated on the Play Apparatus and Materials Schedule. (See detail)
10. Excavate or fill area with compacted clay material to the subgrade elevation shown. Subgrade must pitch a minimum of 1% to the nearest underdrain trench. Furnish and install an Engineered Wood Fiber Safety Surfacing and filter fabric. Engineered wood fiber safety surfacing material must meet the current Consumer Products Safety Commission (CPSC) recommendations; Americans with Disabilities Act (ADA) requirements; passes Head Impact Attenuation Test ASTM F1292, passes Wheelchair Accessibility Test ASTM F1951; passes Sieve Analysis, Tramp Metal & Heavy Metal Test ASTM F2075; and is International Play Equipment Manufacturers Association (IPEMA) certified.
11. Furnish and install curb faced concrete pad. (See detail)
12. Furnish and install playground underdrainage system. (See detail)
13. Furnish and install underdrainage vent/cleanout. (See detail)
14. Furnish and install underdrainage pop-up outlet. (See detail)
15. Furnish and install concrete access walks. (See detail)

PLAY APPARATUS & MATERIALS SCHEDULE:

<u>ITEM</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>COLOR</u>
2-5 Yr. Old Play Structure	1	PlaySense Design 30 Model # 176124A By: Landscape Structures (800) 438-6574	Palette K
5-12 Yr. Old Play Structure	1	PlaySense Design 600 Model # 182414A By: Landscape Structures (800) 438-6574	Palette K
Swing Frame	1	Single Post Swing Frame 8' Beam Model # 177332A By: Landscape Structures (800) 438-6574	Blue
Swing Frame	1	Single Swing Bay Custom Order By: Landscape Structures (800) 438-6574	Blue
Belt Swing Seat	2	Belt Seat Proguard Chain 8' Beam Model # 174018A By: Landscape Structures (800) 438-6574	Std.
Bucket Swing Seat	1	Full Bucket Seat Proguard Chain 8' beam Model # 176038A By: Landscape Structures (800) 438-6574	Std.
Picnic Table	1	Signature Series 46 Square Pedestal ADA Accessible Table with 3 Seats Superior Frame - In-ground Mount Model # SG236D By: Wabash Valley Manufacturing, Inc (800) 253-8619	Blue
Bench	2	Signature Series 6' Bench Model # SG403D By: Wabash Valley Manufacturing, Inc (800) 253-8619	Black

Technical drawing of a complex mechanical assembly, likely a valve or pump, with various components labeled with numbers and letters. The drawing includes a central circular component with internal parts like a piston and rod, connected to various pipes and valves. Labels include 11 L5, 13, 10 L5, 12, 4 L5, 8 L5, 7 L5, 9 L5, 6 L5, 11 L5, 4 L5, 13, 11 L5, 12, 10 L5, 2 L5, 2, 1, 5 L5, 15, 3 L5, 1, 1, 7, 1 L4, 6, 8 L5, 3, 10 L5, 12, 9 L5, 10, 4, 8 L5, 3, 10 L5, 12, 9 L5, 10, 4, 9 L5, 10, 4 L5, 8, 7 L5, 14, 12 L5, 21, 22, and HWL = 719.50. There are also handwritten dimensions like 4", 15 3", 12", and 4" in clouds.

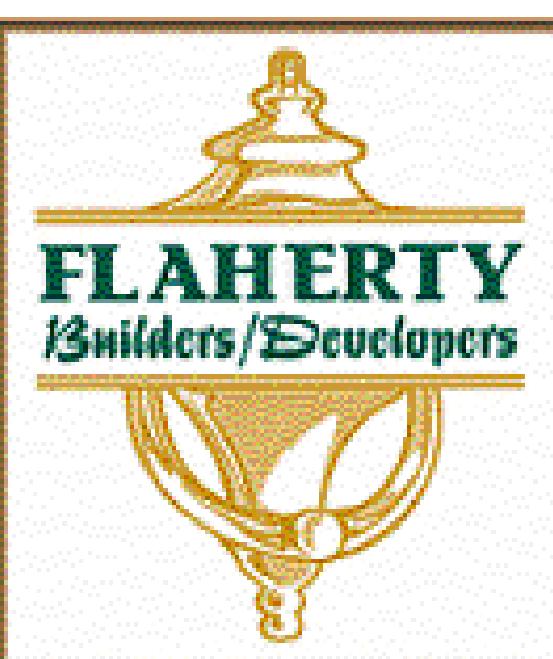
REVISIONS

<u>2</u>	<u>Landscape Review Comments #2</u>	<u>3-5-15</u>
<u>1</u>	<u>Village Review Comments</u>	<u>2-6-15</u>

BOARD APPROVED

Case No: _____
Date: _____
W/Conditions: _____
W/Out Conditions: _____

VILLAGE OF ORLAND PARK



The logo for Ives/Rya Group, Inc. It features a vertical rectangle on the left containing a 4x4 grid of small squares. To its right, the letters 'IRG' are written in a large, bold, black sans-serif font. To the right of 'IRG', the words 'Ives/Rya' are stacked vertically in a smaller, black sans-serif font, and below that, 'Group, Inc.' is written in a slightly larger, black sans-serif font.

324 N. EISENHOWER LANE
LOMBARD, IL 60148
PHONE: 630.717.0726

Landscape Architecture Park & Recreation Design Site & Community Planning

PARK CONSTRUCTION PLAN

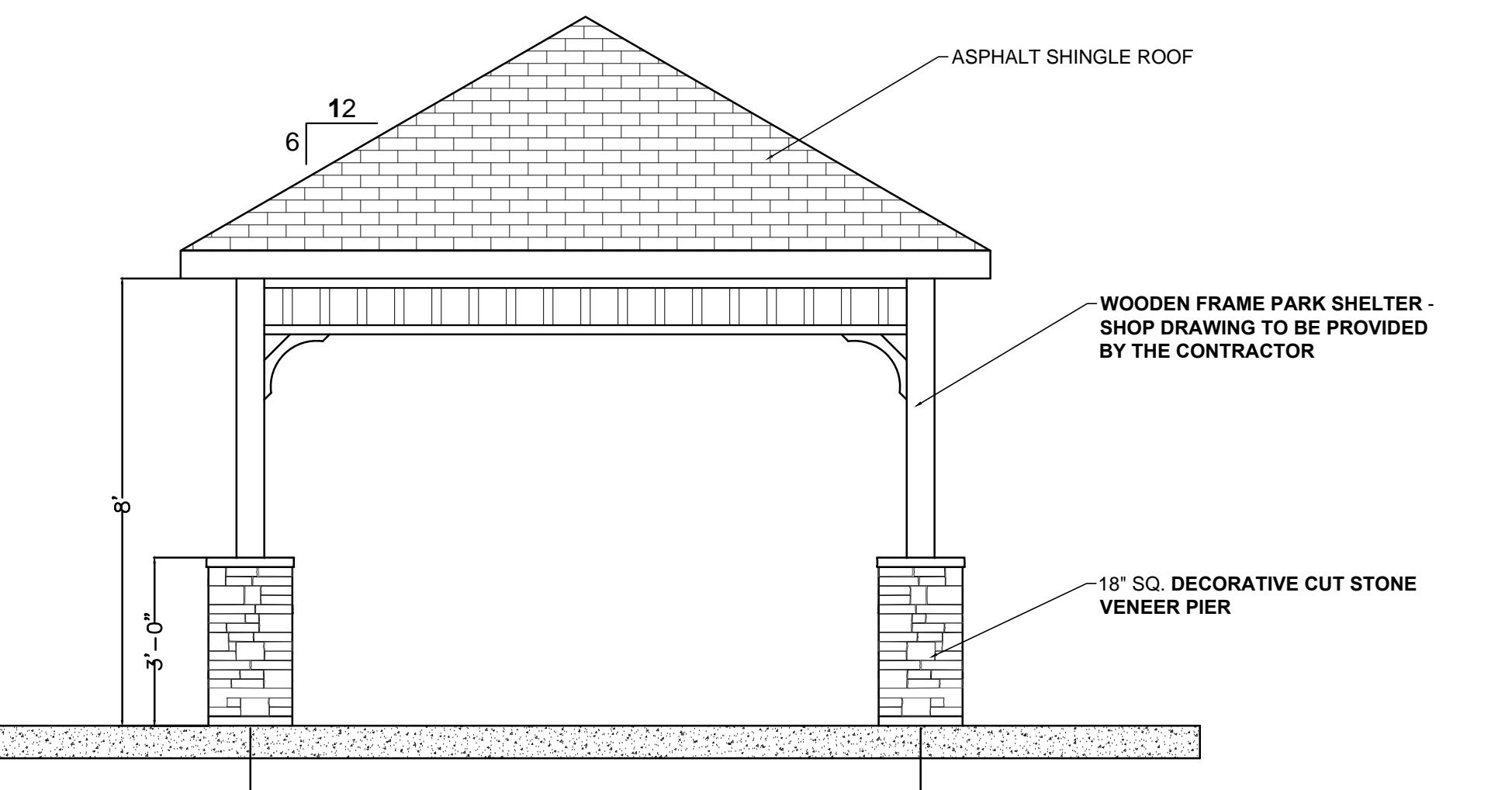
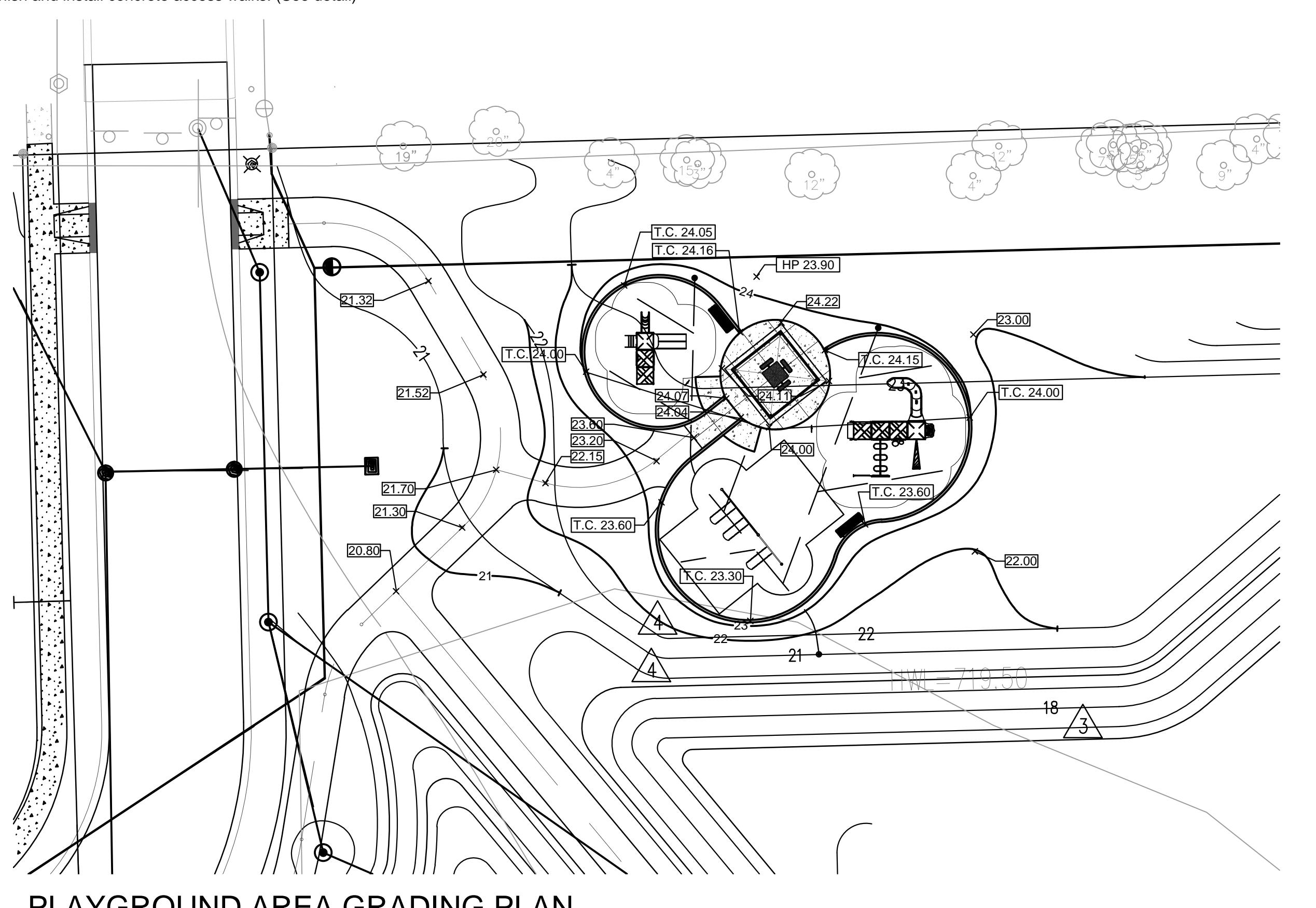
PROJECT NO.: **L214 - 8582A** JOB NO.:

DATE: 12-23-14
SCALE: AS NOTED
PLANNER: RM
DRAWN BY: RM
CHECKED:

© 2014 Ives/Ryan Group, Inc.
Copyright 2014 Ives/Ryan Group,
Inc., all rights reserved. The design
and any and all ideas contained
herein are the sole property of the
Ives/Ryan Group, Inc. Reproduction
of the design or concept embodied
herein in any form, in whole or in
part, without the consent of the
Ives/Ryan Group, Inc. is Prohibited

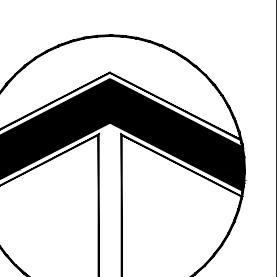
PLAYGROUND CONSTRUCTION PLAN

10'



1 REPRESENTATIVE PARK SHELTER

SCALE 3/8" = 1' 0"

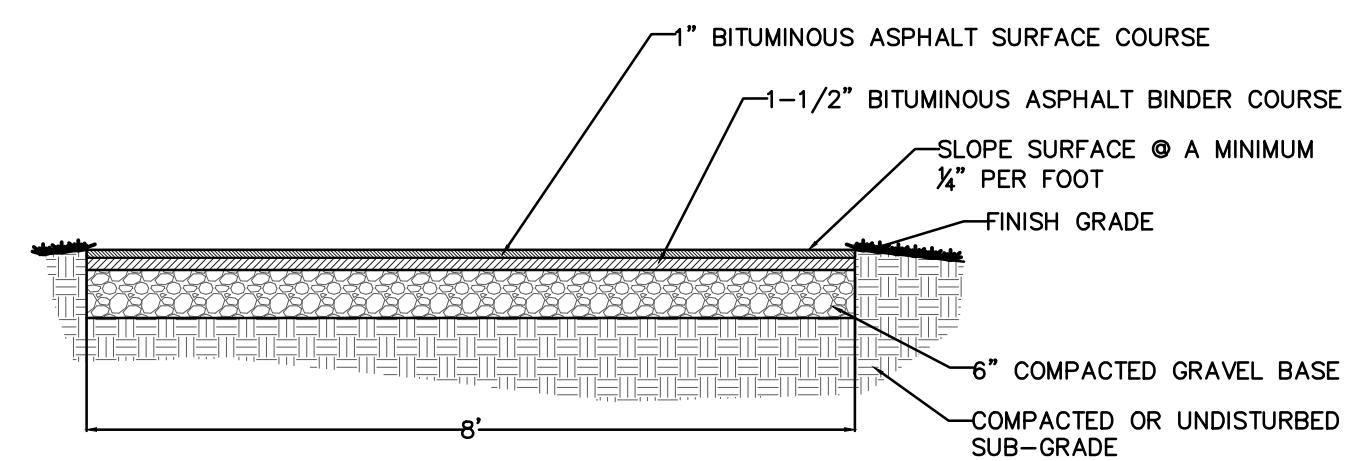


**CALL
JULIE
48 HOURS**
BEFORE YOU DIG
1-800-892-0123
TOLL FREE
Operates 24 Hours
Every Day

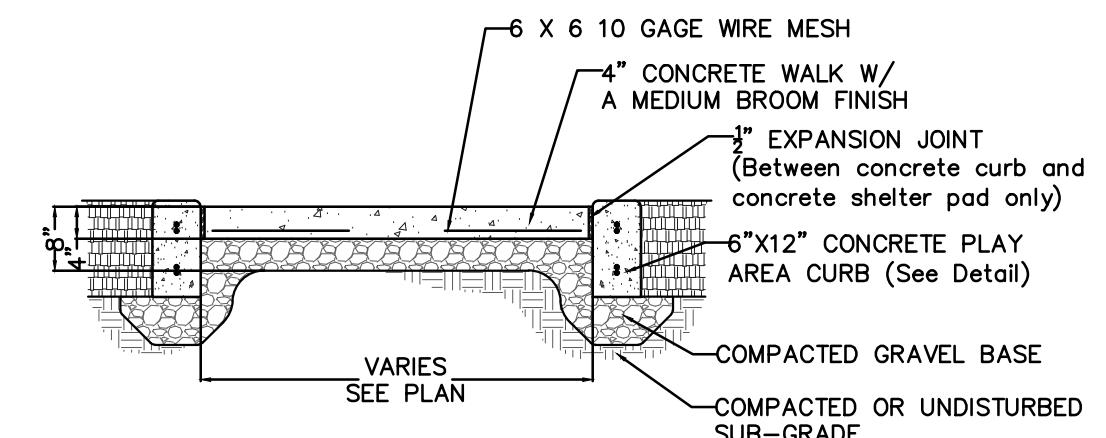
3-14
TED
RM
RM
—

SHEET

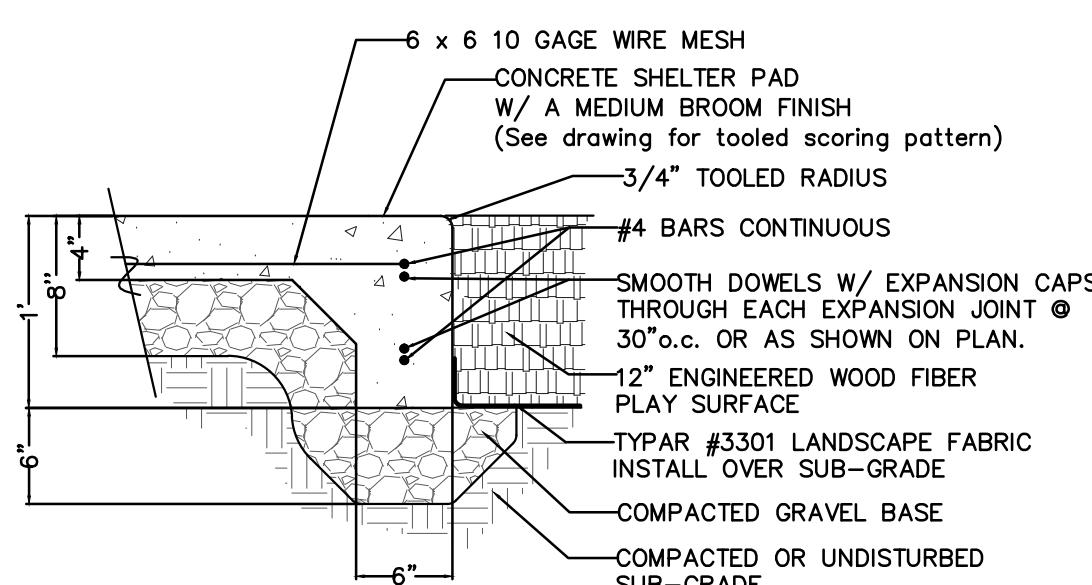
L-4



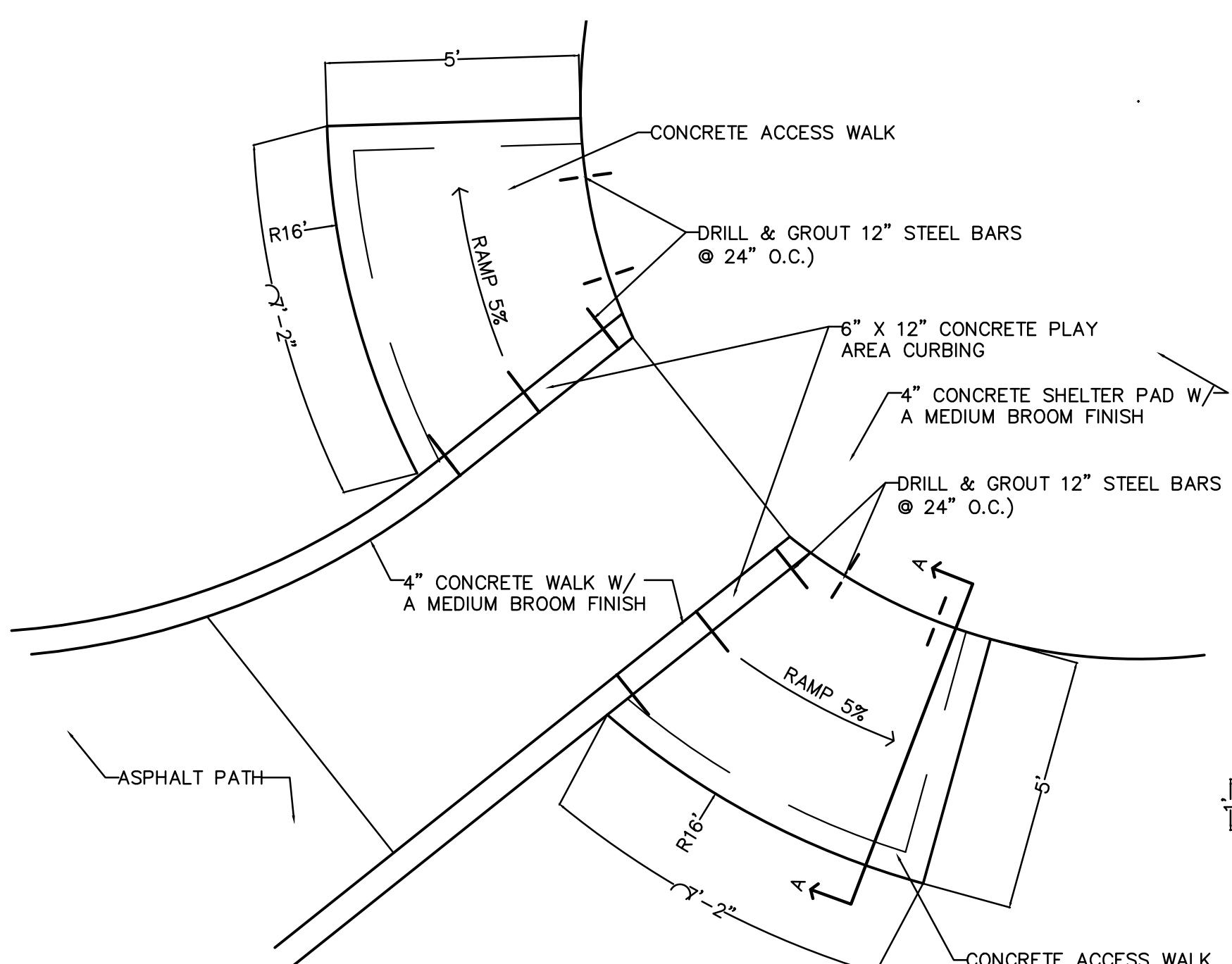
2 ASPHALT PATH
L4



3 CONCRETE WALK
L4

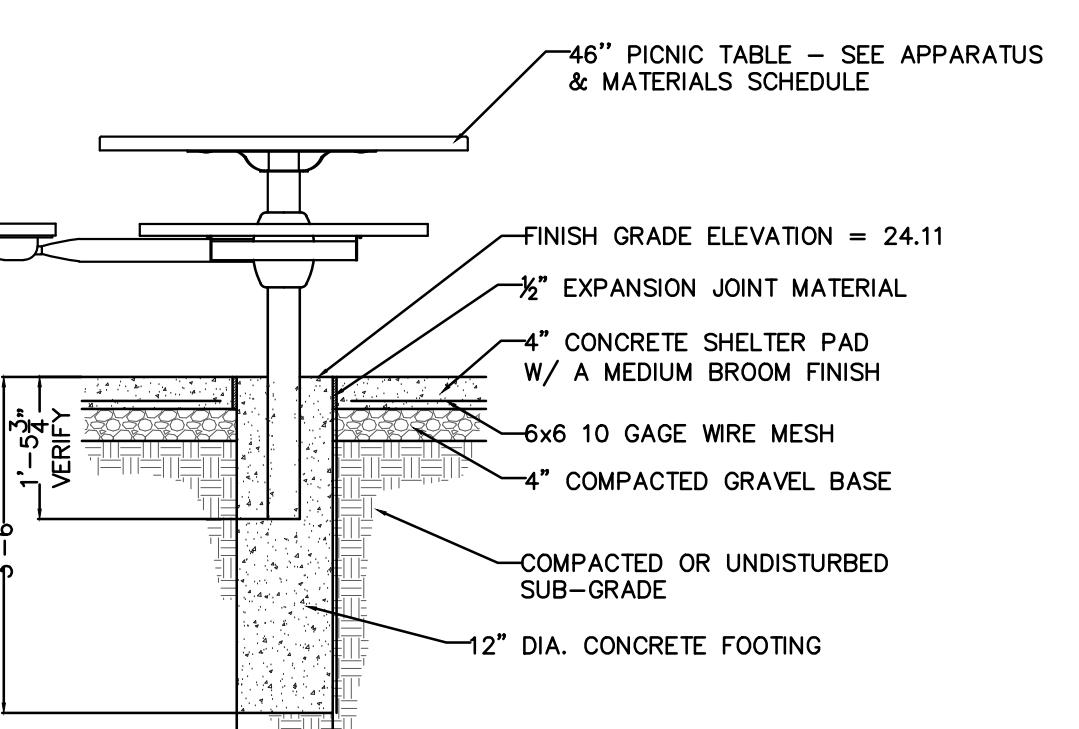


4 CURBED FACE CONCRETE PAD
L4

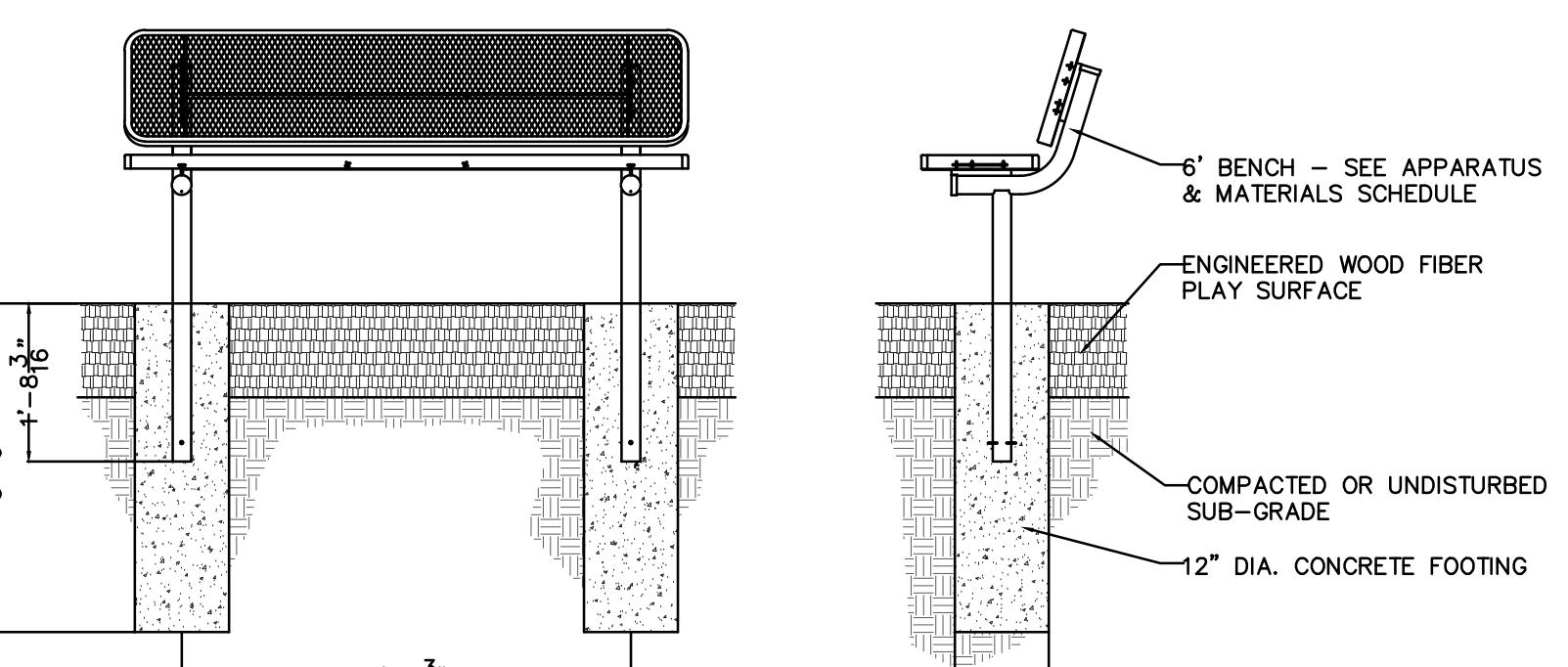


5 CONCRETE ACCESS WALK
L4

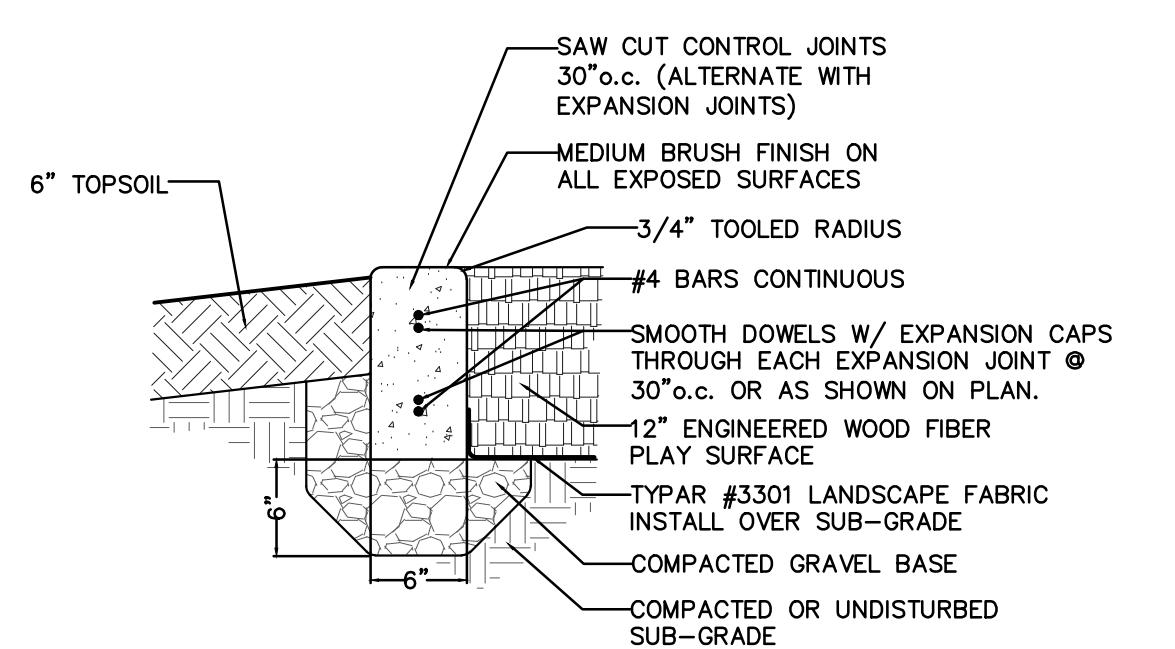
PLAN VIEW
SECTION A-A
SCALE 3/8"=1'-0"



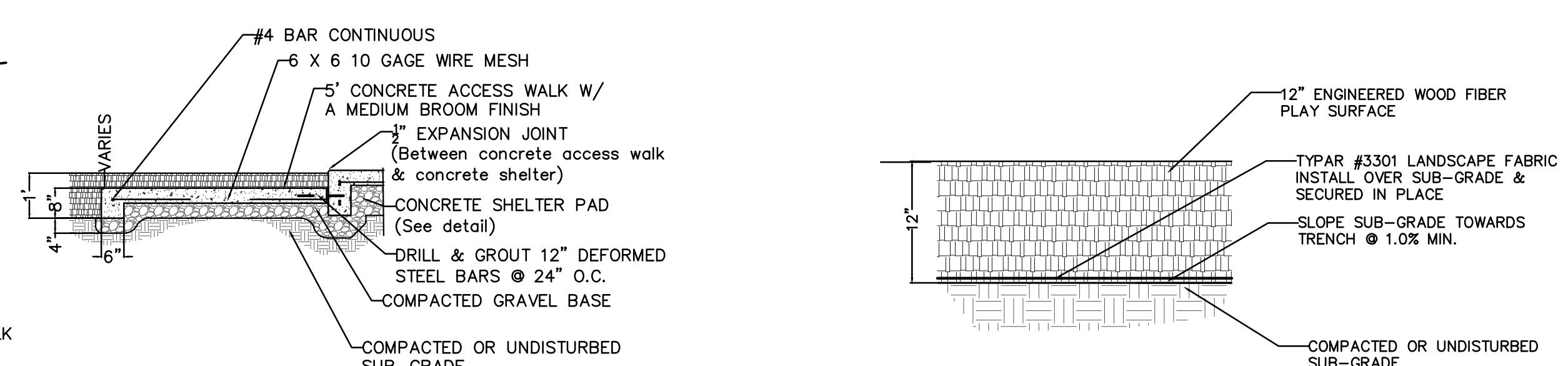
6 46" PICNIC TABLE
L4



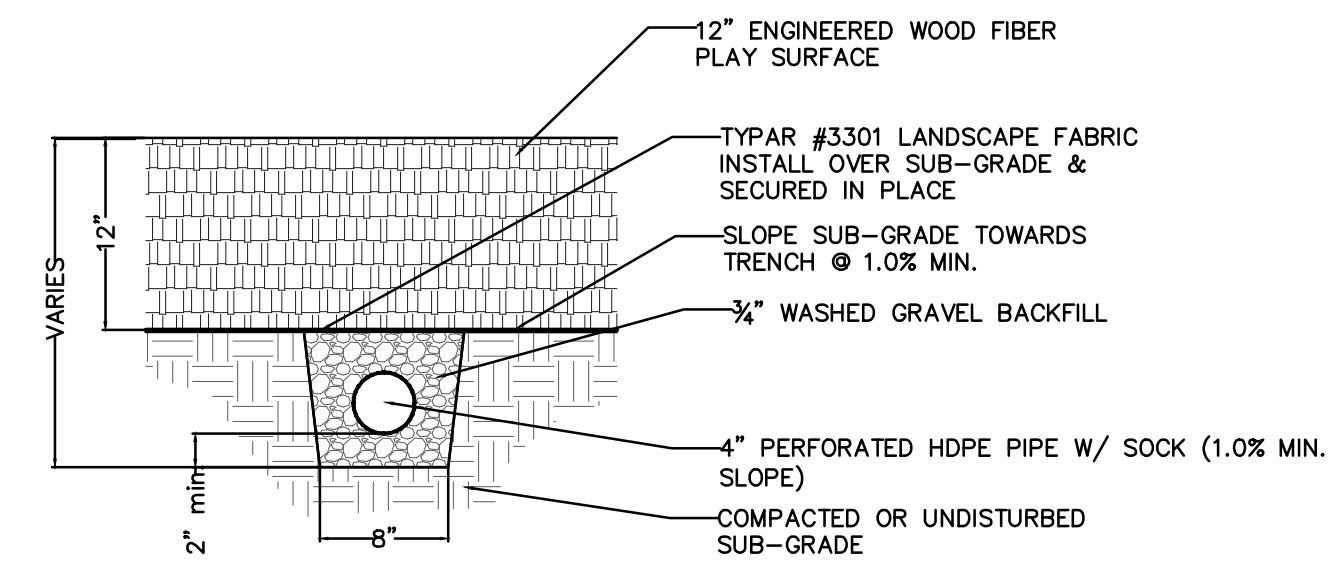
7 6' BENCH
L4



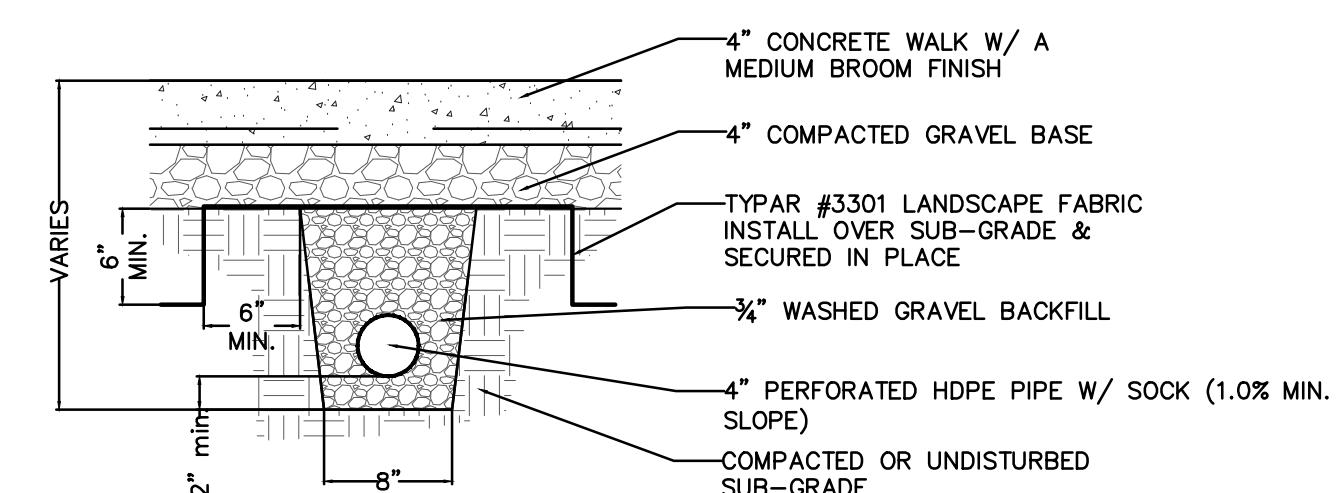
8 6"X12" CONCRETE CURB
L4



9 WOOD FIBER PLAY SURFACE
L4

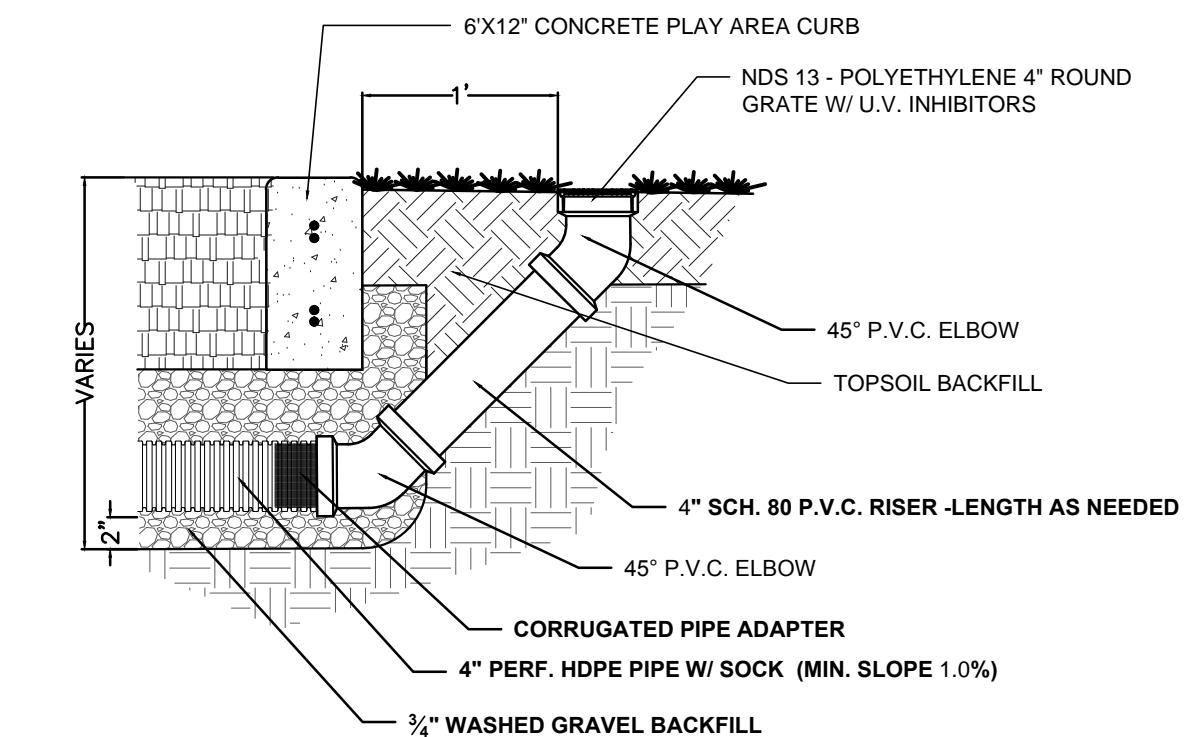


UNDER PLAY SURFACE

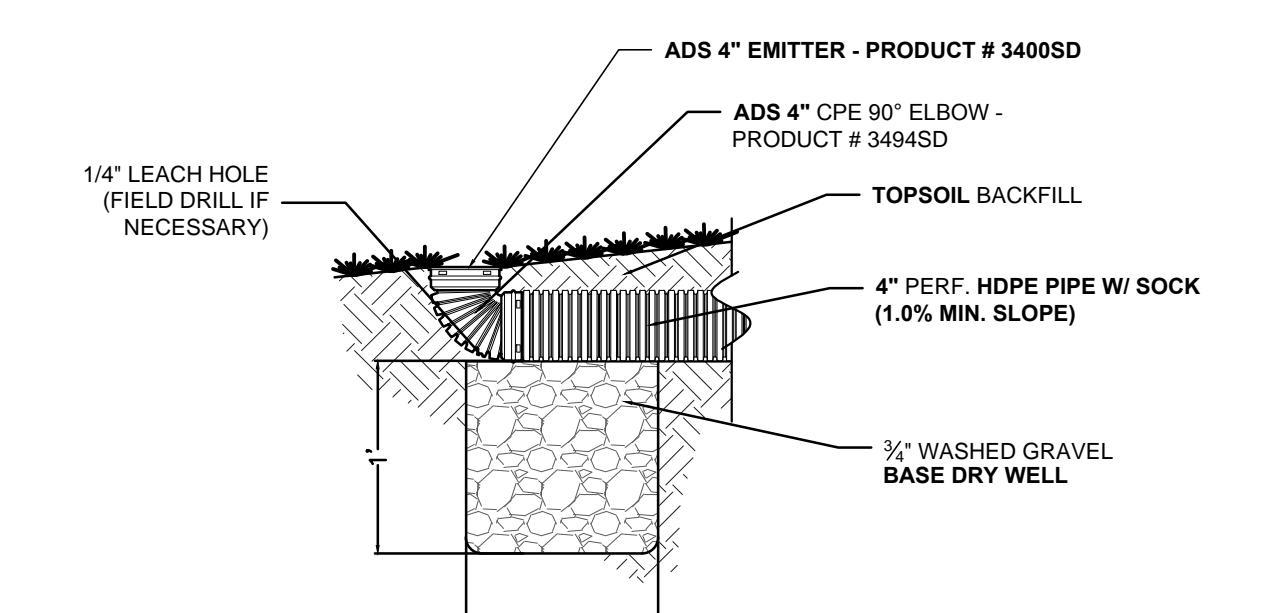


UNDER CONCRETE

10 UNDERDRAINAGE TRENCH
L4



11 VENT/CLEAN-OUT
L4



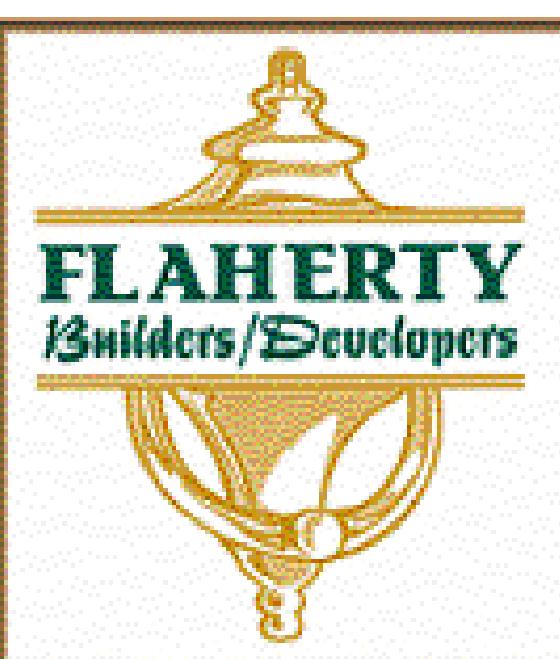
12 POP-UP EMMITTER
L4

REVISIONS

DEER HAVEN
ESTATES II
ORLAND PARK, ILLINOIS

BOARD APPROVED

Case No: _____
Date: _____
W/Conditions: _____
W/Out Conditions: _____
VILLAGE OF ORLAND PARK



IRG Ives/Ryan
Group, Inc.
324 N. EISENHOWER LANE
LOMBARD, IL 60148
PHONE: 630.717.0726

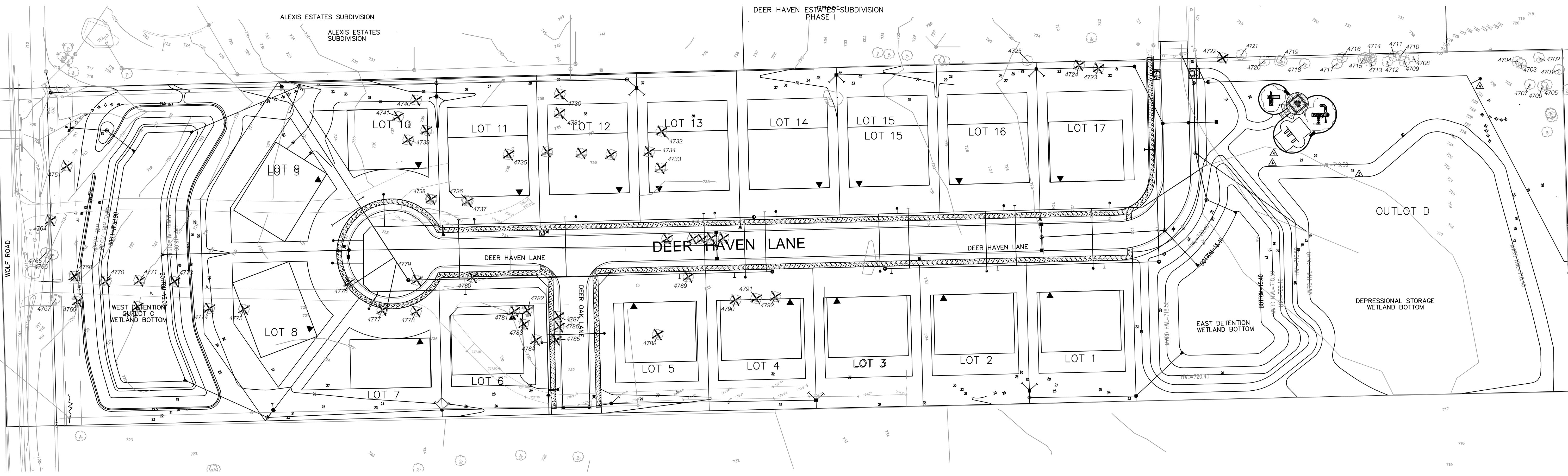
Landscape Architecture
Park & Recreation Design
Site & Community Planning
www.ivesryangroup.com

PARK
DETAILS

PROJECT NO.: L214 - 8582A
JOB NO.:

DATE: 12-23-14
SCALE: 1"=20'
PLANNER: RM
DRAWN BY: RM
CHECKED: _____

SHEET
L-5



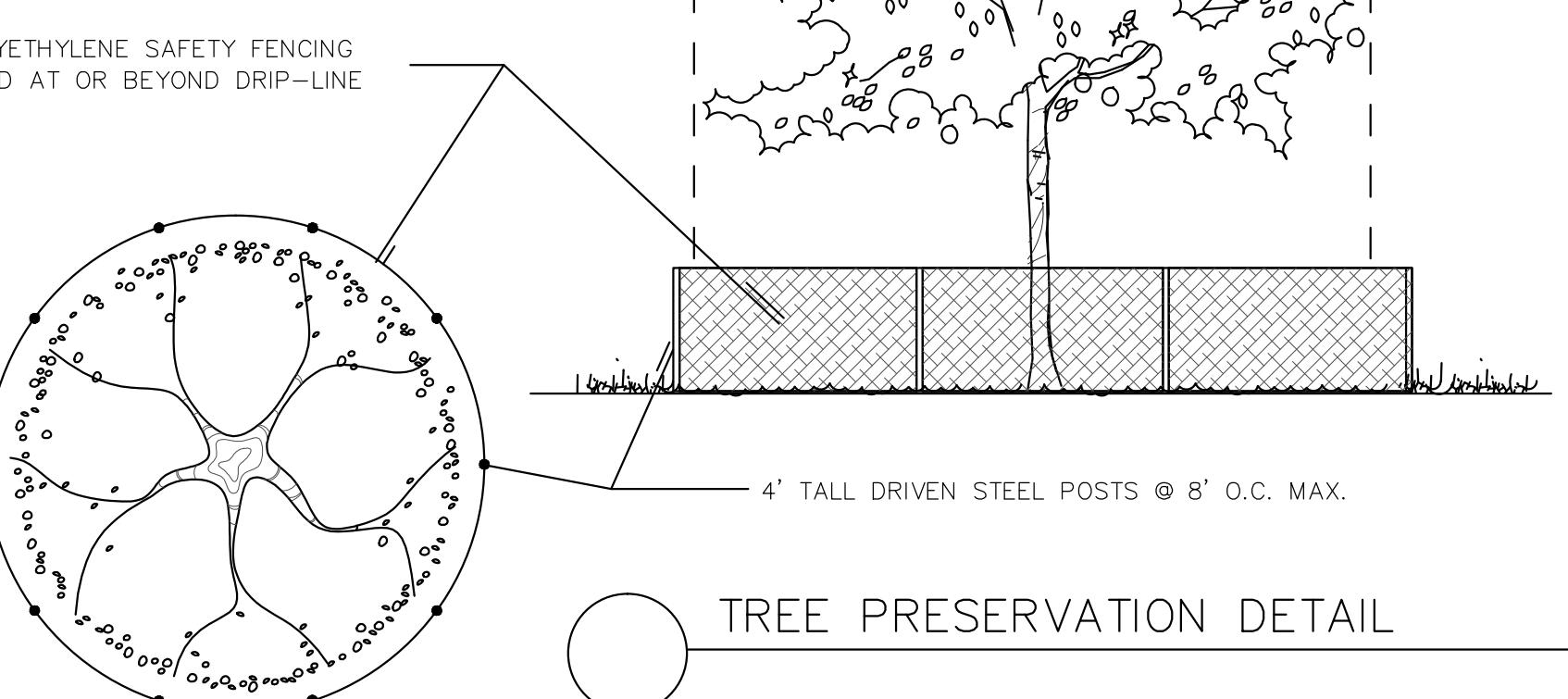
= TREES TO BE REMOVED O = TREES TO BE MITIGATED

Tag #	DBH	Common Name	C	F	Comments
4701	6"	Red Oak	3	3	
4702	27" total	Bur Oak	3	3	multi-stem
4703	36" total	Bur Oak	3	3	multi-stem
4704	16"	Bur Oak	3	3	
4705	8.5" total	Bur Oak	3	3	multi-stem
4706	4"	Bur Oak	3	3	
4707	4.5"	Pin Oak	3	3	
4708	5"	Bur Oak	3	3	
4709	10"	Bur Oak	3	3	
4710	8"	Wild Black Cherry	4	4	poor canopy- consider removal
4711	3.5"	Bur Oak	3	3	
4712	13"	Bur Oak	3	3	
4713	5"	Bur Oak	3	3	
4714	6"	Bur Oak	3	3	
4715	6"	Red Oak	3	3	
4716	7"	Wild Black Cherry	3	4	
4717	11"	Wild Black Cherry	4	4	poor canopy- consider removal
4718	15"	Red Oak	3	3	
4719	16"	Pin Oak	3	3	
4720	4"	Red Oak	3	3	
4721	20"	Bur Oak	3	3	
4722	7"	Shagbark Hickory	3	3	
4723	11"	Black Walnut	3	3	
4724	17"	Wild Black Cherry	3	4	
4725	19"	Ash	5	5	Eab infested-recommend removal
4726	4"	Wild Black Cherry	4	3	trunk wound-consider removal
4727	12"	Bitternut Hickory	4	4	trunk wound-consider removal
4728	10"	Mulberry	4	4	split in trunk-consider removal
4729	28"	Pin Oak	3	3	
4730	23"	Honey Locust	3	3	
4731	20"	Ash	6	6	dead-recommend removal
4732	14"	Silver Maple	3	3	

Tag #	DBH	Common Name	C	F	Comments
4733	18"	Silver Maple	4	4	decay/carpenter ants-recommend removal
4734	24"	Silver Maple	3	3	
4735	25"	Honey Locust	3	3	
4736	28"	Ash	6	6	dead-recommend removal
4737	23"	Ash	6	6	dead-recommend removal
4738	13"	Ash	6	6	dead-recommend removal
4739	70" total	Silver Maple	4	4	multi-stem, decay/carpenter ants-recommend removal
4740	6"	Red Elm	3	3	
4741	19"	Ash	6	6	dead-recommend removal
4742	9"	Black Walnut	3	3	
4743	12"	Red Elm	3	4	
4744	6.5"	Ash	5	5	dead-recommend removal
4745	12"	Ash	6	6	dead-recommend removal
4746	10"	Buckthorn	3	3	female tree-recommend removal
4747	20" total	Buckthorn	3	3	multi-stem-recommend removal
4748	12"	Mulberry	3	3	
4749	6"	Ash	6	6	dead-recommend removal
4750	13"	Ash	6	6	dead-recommend removal
4751	8"	Ash	6	6	dead-recommend removal
4752	10"	Ash	6	6	dead-recommend removal
4753	7"	Ash	6	6	dead-recommend removal
4754	28" total	Black Willow	3	4	multi-stem-lean towards Wolf. Rd.
4755	7"	Ash	6	6	dead-recommend removal
4756	6.5"	Ash	6	6	dead-recommend removal
4757	28"	Cottonwood	3	4	
4758	22"	Cottonwood	4	5	hollow at base-recommend removal
4759	16"	Cottonwood	3	4	
4760	20"	Cottonwood	3	4	
4761	7"	Ash	6	6	dead-recommend removal
4762	5"	Ash	6	6	dead-recommend removal
4763	5"	Ash	6	6	dead-recommend removal
4764	5"	Ash	4	4	Eab infested-recommend removal
4765	13"	Mulberry	3	3	
4766	14"	Red Elm	3	3	

ALL EXISTING LANDSCAPING NOTED FOR PRESERVATION, SHALL BE PROTECTED DURING CONSTRUCTION VIA PLASTIC SAFETY FENCING. FENCING SHALL BE 4' HIGH AND ATTACHED TO STEEL DRIVEN POSTS SET NO FARTHER THAN 8' O.C. IT SHALL BE INSTALLED AT THE PERIPHERY OF THE DRIP LINE OF EXISTING PLANT MATERIAL OR BEYOND TO PREVENT STORAGE OF VEHICLES OR MATERIALS AND THE ENCROACHMENT OF GRADING AND CONSTRUCTION EQUIPMENT.

CONSTRUCTION FENCING SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION ACTIVITIES-PREVENTING COMPACTION OF ROOT SYSTEMS OF EXISTING TREES AND SHRUBS. THE FENCING SHALL ENCLOSE THE AREA BEYOND THE DRIP LINE OF THE TREE CANOPY AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED. NO PARKING, MATERIAL STORAGE, OR CONSTRUCTION ACTIVITIES SHALL BE PERMITTED WITHIN THE FENCED AREA.

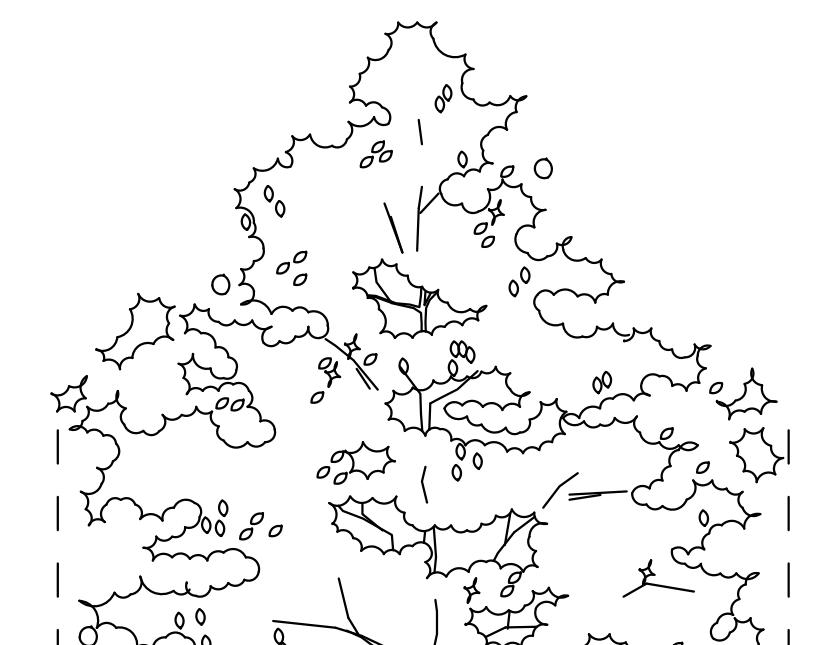


Rating	Description	General Criteria
1	Excellent	The tree is typical of the species, has less than 10% deadwood in the crown that is attributable to normal causes, and no other observed problems, and requires no remedial action.
2	Good to Fair	The tree is typical of species and/or has less than 20% deadwood in the crown, only one of two minor problems that are easily corrected with normal care.
3	Fair	The tree is typical of species and/or has less than 30% deadwood in the crown, problems are easily remedied to the tree, and no significant decay or structural problems, but the tree must have remedial care above normal care in order to minimize the impact of future stress and to insure continued health.
4	Fair to Poor	The tree is not typical of the species and/or has significant problems such as decay, structural defects, insects, disease, or other problems that can be minimally lethal to the tree or create a hazardous tree if not corrected in a short period of time or if the tree is subjected to additional stress.
5	Poor	The tree is not typical of the species and/or has less than 50% live crown, major decay, structural problems, is hazardous or is heavily involved with insects, disease, or other problems that even if aggressively corrected would not result in the long term survival of the tree.
6	Dead	Less than 10% of the tree shows signs of life.

Form Rating: Form is a subjective evaluation comparing labeled tree with specimen tree of the same species. Form classes are the same as those listed above under Condition Health Rating.

REPLACEMENT TREE CALCULATIONS:

Diameter of Removed Tree	Total Number Removed	Number of Required Replacement Trees
4" - 12"	6	12 trees @ 2.5" or 6 trees @ 4"
13" - 23"	3	12 trees @ 2.5" or 6 trees @ 4"
24" or greater	2	12 trees @ 2.5" or 6 trees @ 4"
		TOTAL REPLACEMENT TREES
		36 trees @ 2.5" or 18 trees @ 4"



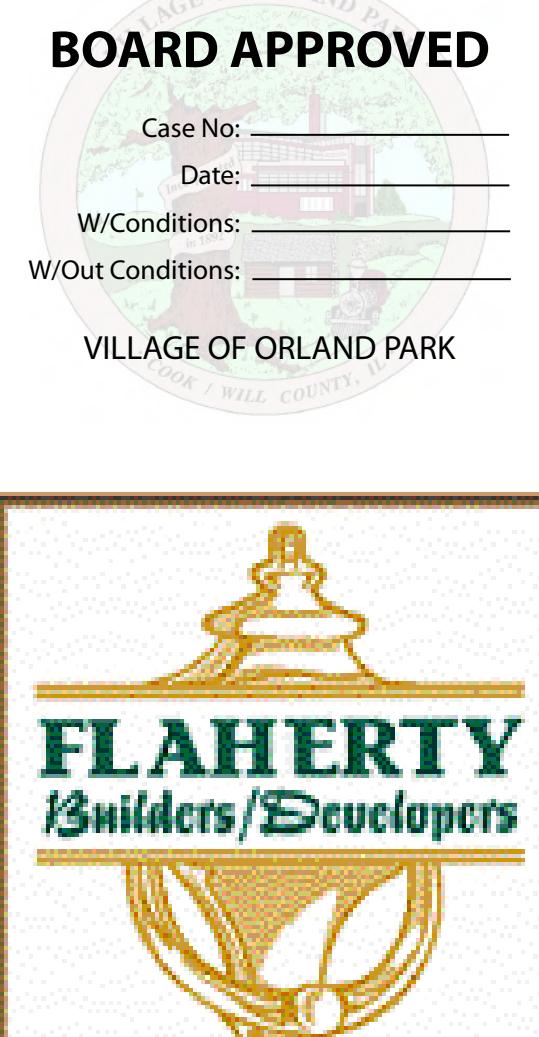
TREE SURVEY PREPARED & PROVIDED BY:
HOMER TREE CARE INC.
14000 S. ARCHER AVENUE
LOCKPORT, IL 60441
AUG. 6, 2014

DATE: 12-23-14
SCALE: 1"=50'
PLANNER: JMR
DRAWN BY: RM
CHECKED:

TP-1
SHEET
PROJECT NO.: L214 - 8582A
JOB NO.:
CALL JULIE 48 HOURS
BEFORE YOU DIG
1-800-892-0123
TOLL FREE
Operates 24 Hours
Every Day

REVISIONS

DEER HAVEN ESTATES II
ORLAND PARK, ILLINOIS



IRG Ives/Ryan Group, Inc.
324 N. EISENHOWER LANE
LOMBARD, IL 60148
PHONE: 630.717.0726

Landscape Architecture
Park & Recreation Design
Site & Community Planning
www.ivesryan.com

TREE PRESERVATION PLAN
PROJECT NO.: L214 - 8582A
SHEET
DATE: 12-23-14
SCALE: 1"=50'
PLANNER: JMR
DRAWN BY: RM
CHECKED: