

SURFACE AREA TAKEOFF SUMMARY:
SUBJECT PROPERTY AREA = 117,428 SF
PROPOSED SITE DISTURBANCE = 98,663 SF

PROPOSED IMPROVEMENTS:

PERMEABLE PAVERS = 50,699 SF
CONCRETE PAVEMENT = 4,321 SF
LANDSCAPING = 43,643 SF

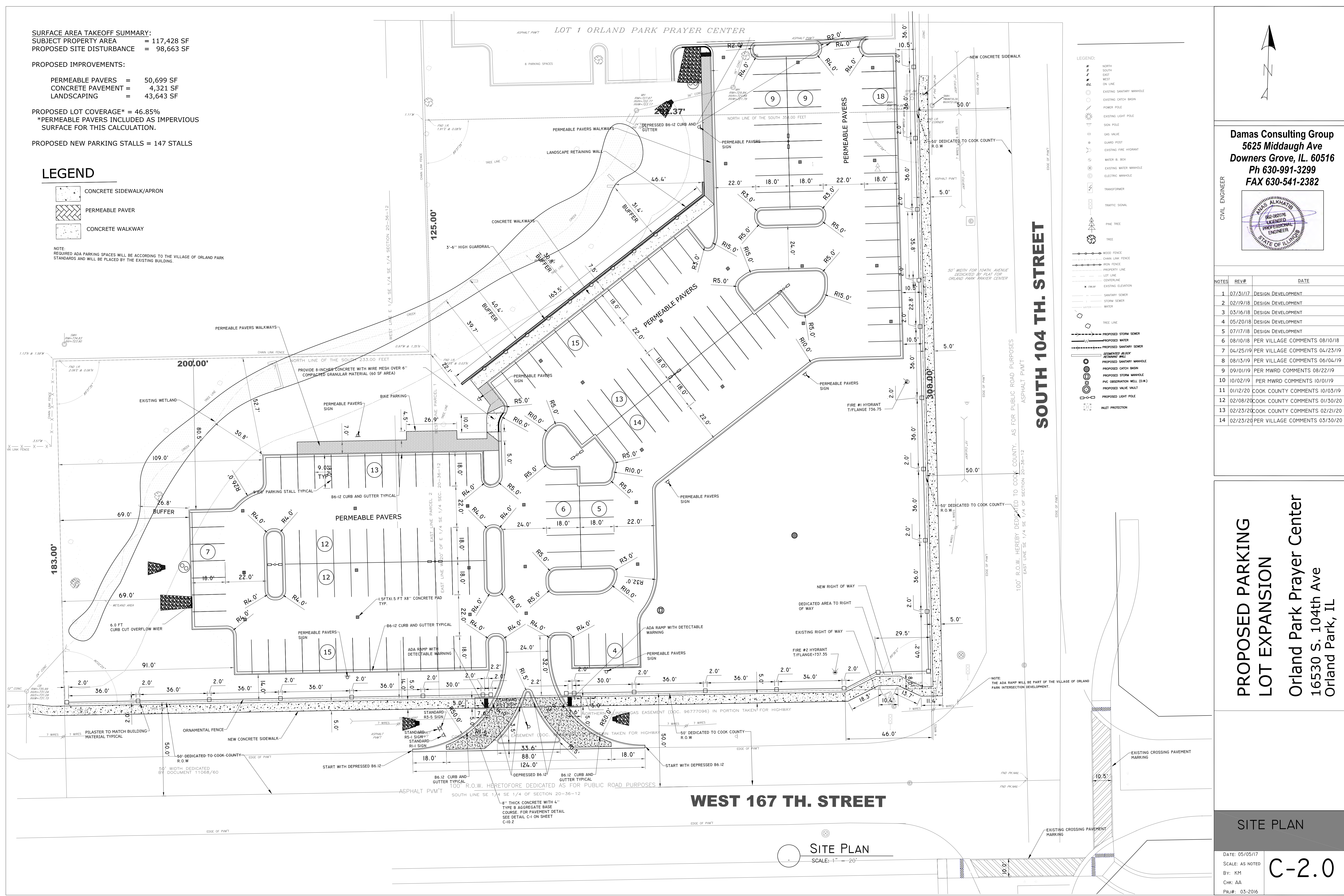
PROPOSED LOT COVERAGE* = 46.85%
*PERMEABLE PAVERS INCLUDED AS IMPERVIOUS
SURFACE FOR THIS CALCULATION.

PROPOSED NEW PARKING STALLS = 147 STALLS

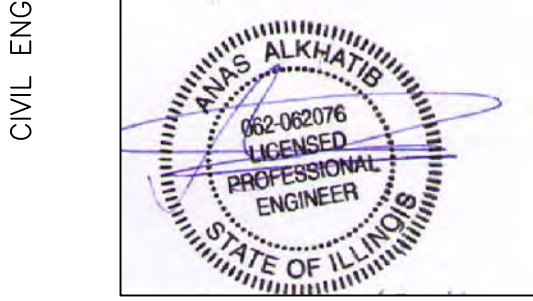
LEGEND

- CONCRETE SIDEWALK/APRON
PERMEABLE PAVER
CONCRETE WALKWAY

NOTE: REQUIRED ADA PARKING SPACES WILL BE ACCORDING TO THE VILLAGE OF ORLAND PARK STANDARDS AND WILL BE PLACED BY THE EXISTING BUILDING.



Damas Consulting Group
5625 Middaugh Ave
Downers Grove, IL. 60516
Ph 630-991-3299
FAX 630-541-2382



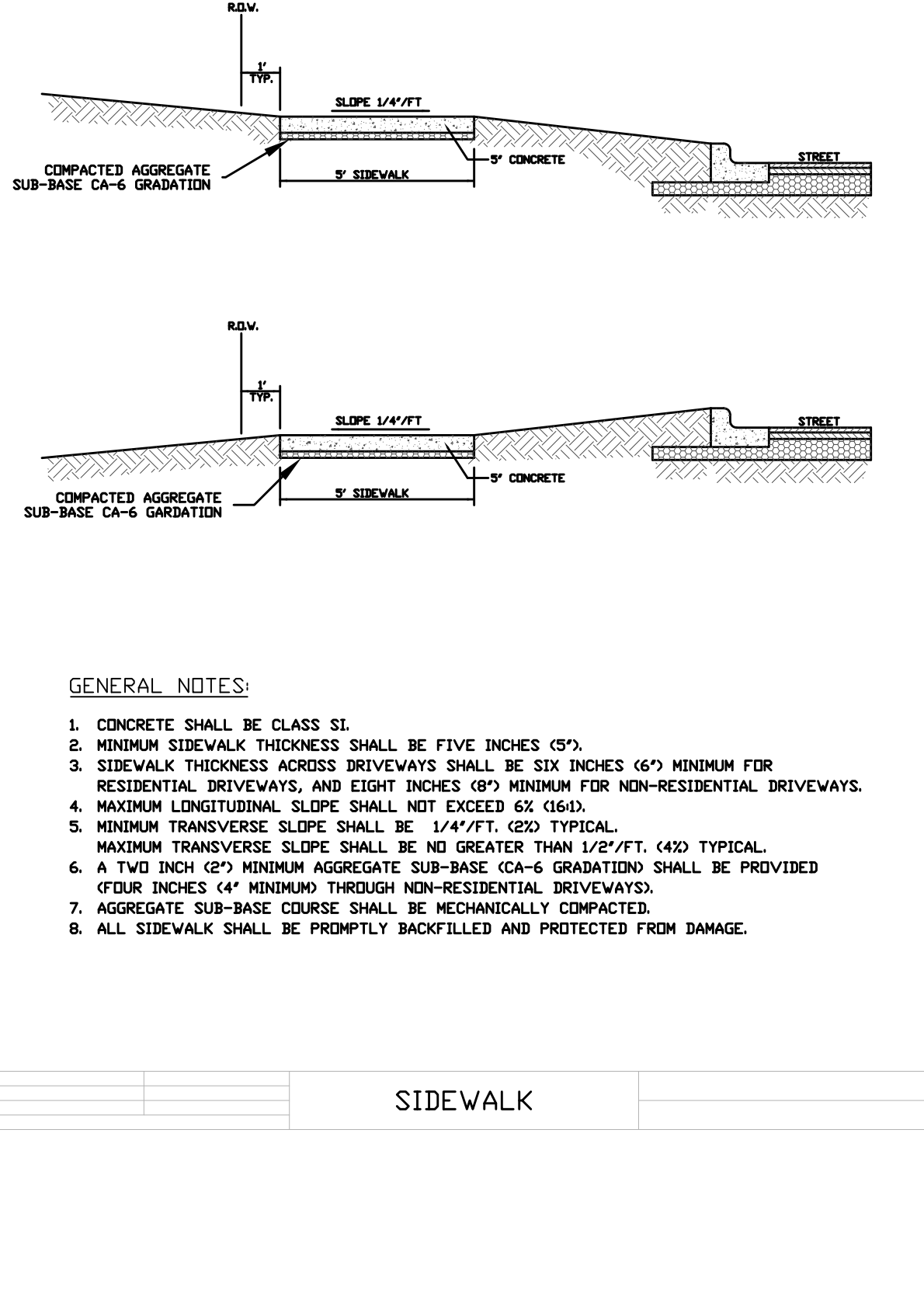
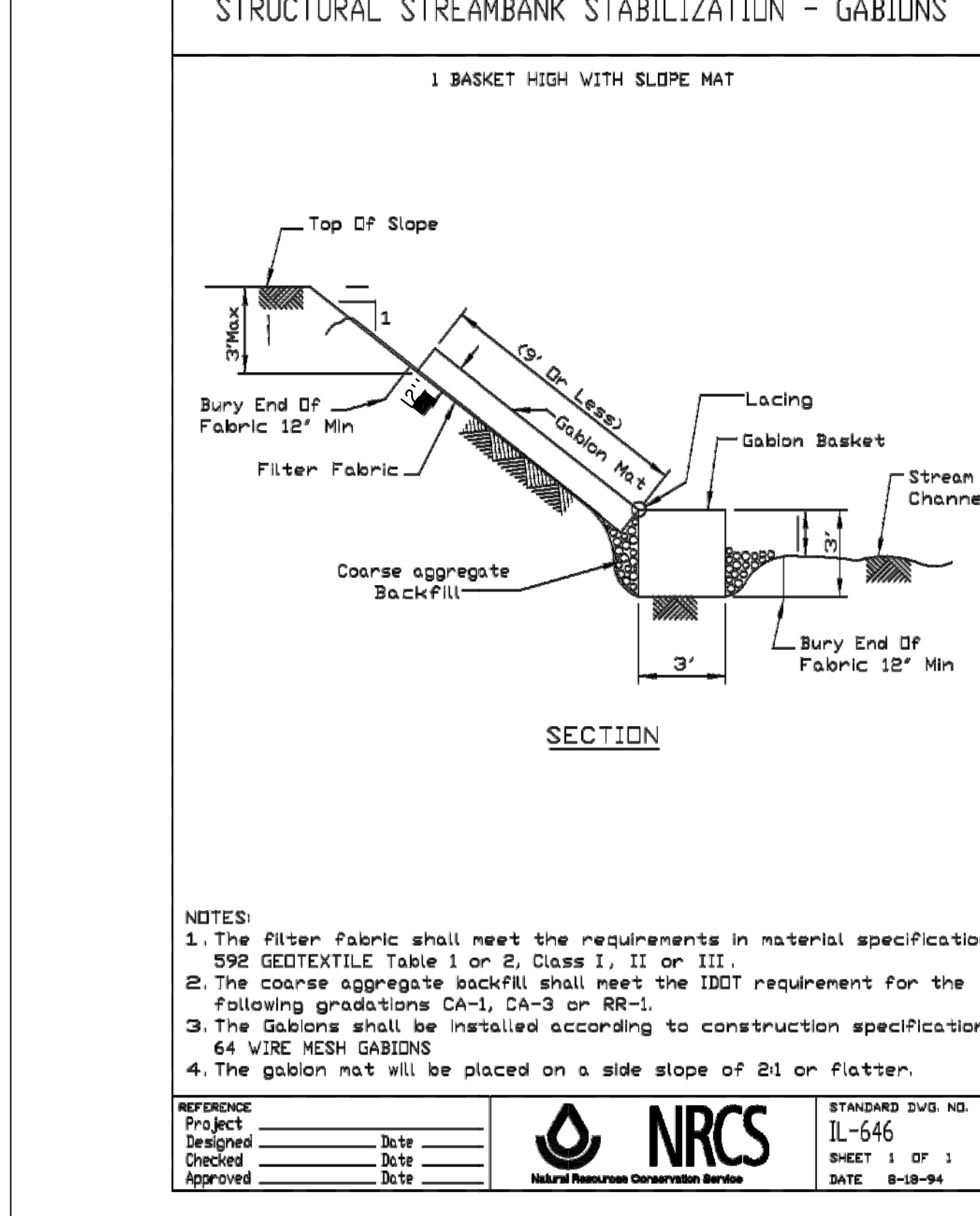
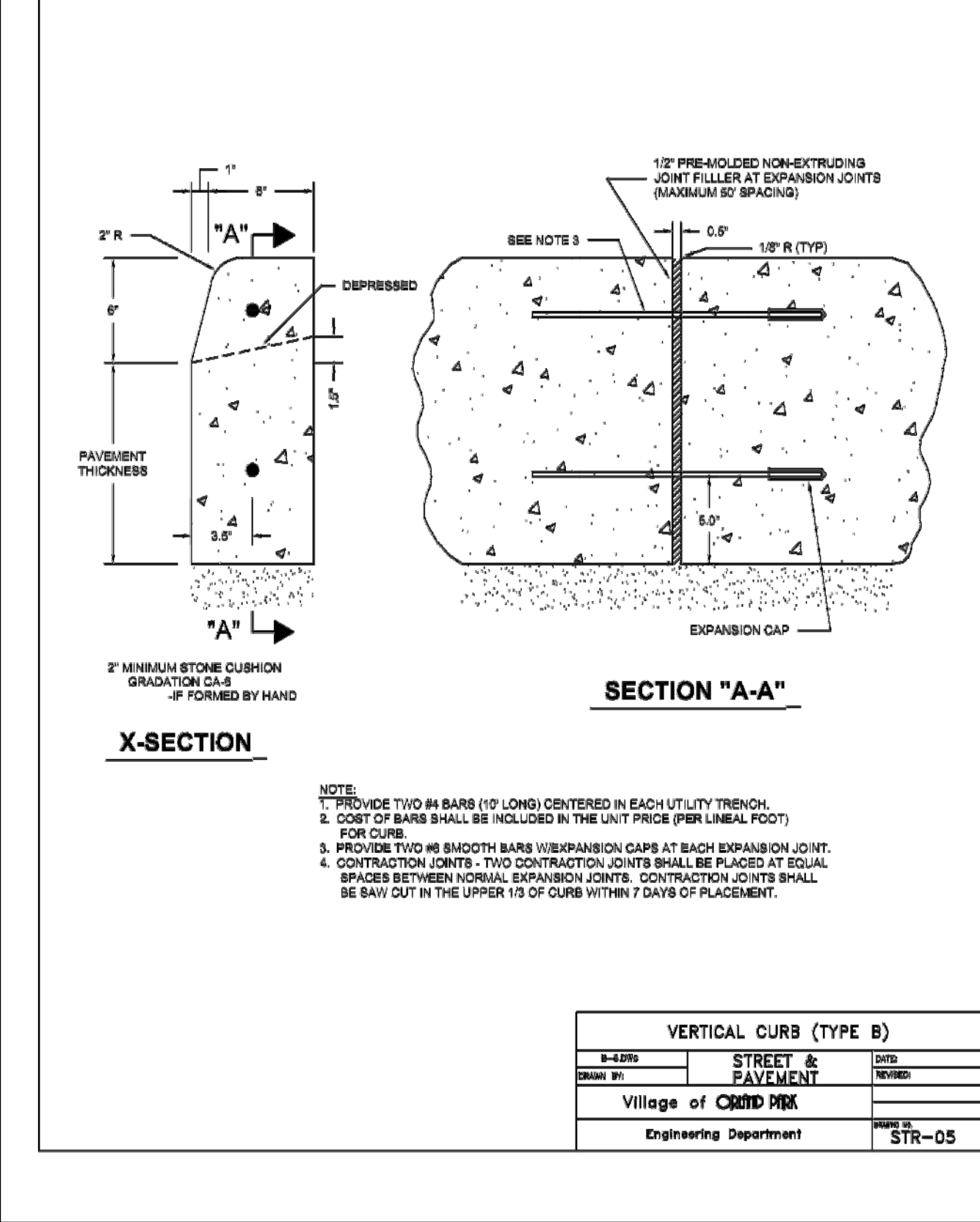
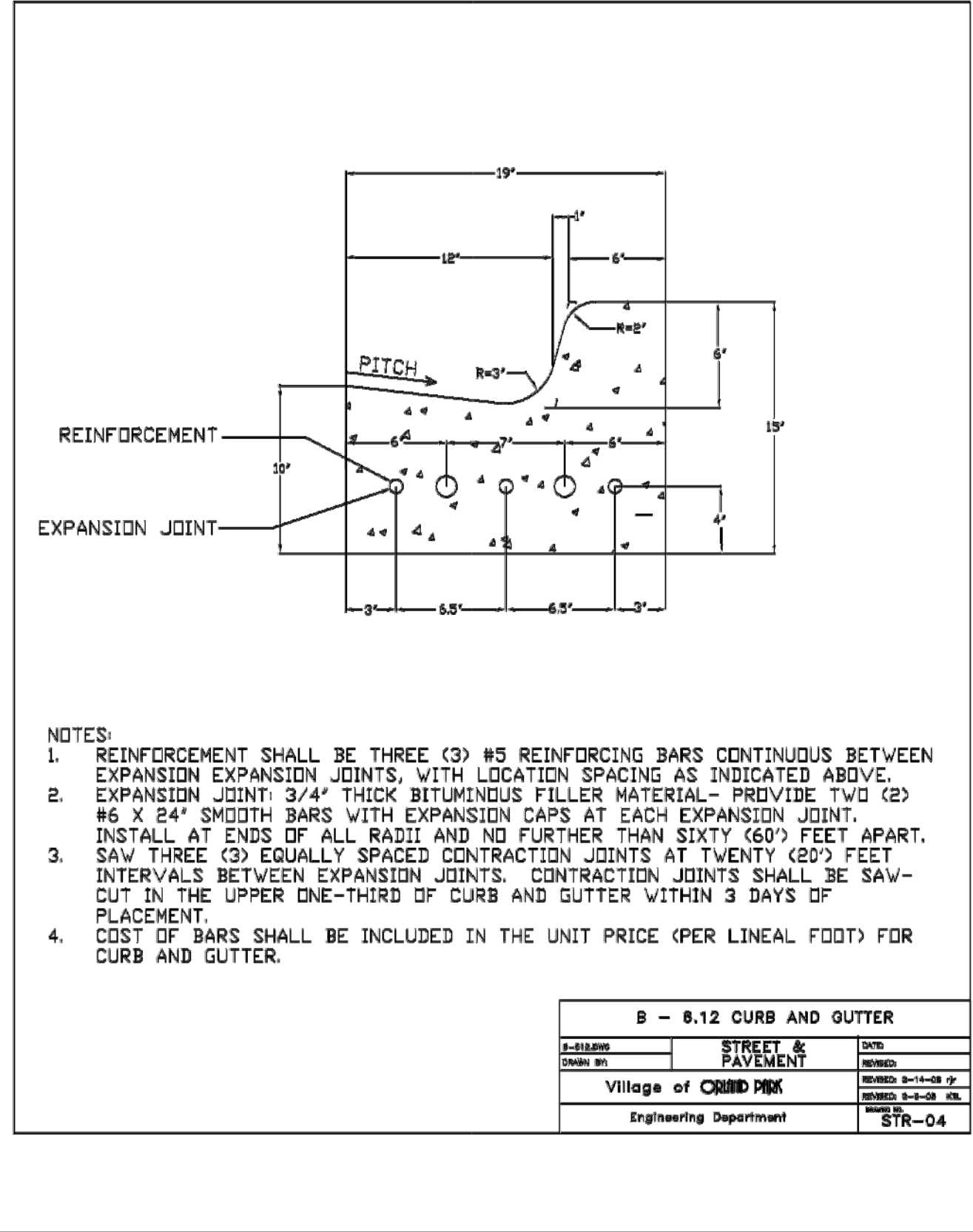
NOTES	REV#	DATE
1	07/31/17	DESIGN DEVELOPMENT
2	02/19/18	DESIGN DEVELOPMENT
3	03/16/18	DESIGN DEVELOPMENT
4	05/20/18	DESIGN DEVELOPMENT
5	07/17/18	DESIGN DEVELOPMENT
6	08/10/18	PER VILLAGE COMMENTS 08/10/18
7	04/25/19	PER VILLAGE COMMENTS 04/23/19
8	08/13/19	PER VILLAGE COMMENTS 06/04/19
9	09/01/19	PER MWRD COMMENTS 08/22/19
10	10/02/19	PER MWRD COMMENTS 10/01/19
11	01/12/20	COOK COUNTY COMMENTS 10/03/19
12	02/08/20	COOK COUNTY COMMENTS 01/30/20
13	02/23/20	COOK COUNTY COMMENTS 02/21/20
14	02/23/20	PER VILLAGE COMMENTS 03/30/20

PROPOSED PARKING
LOT EXPANSION
Orland Park Prayer Center
16530 S. 104th Ave
Orland Park, IL

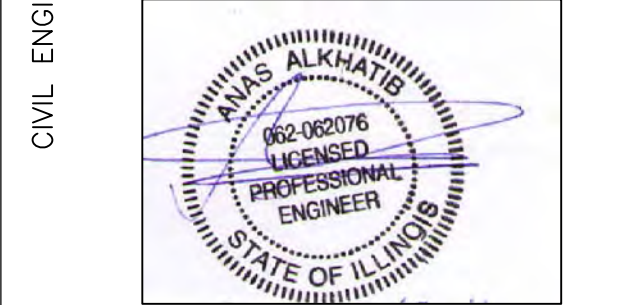
SITE PLAN

DATE: 05/05/17
SCALE: AS NOTED
BY: KM
CHK: AA
PRJ#: 03-2016

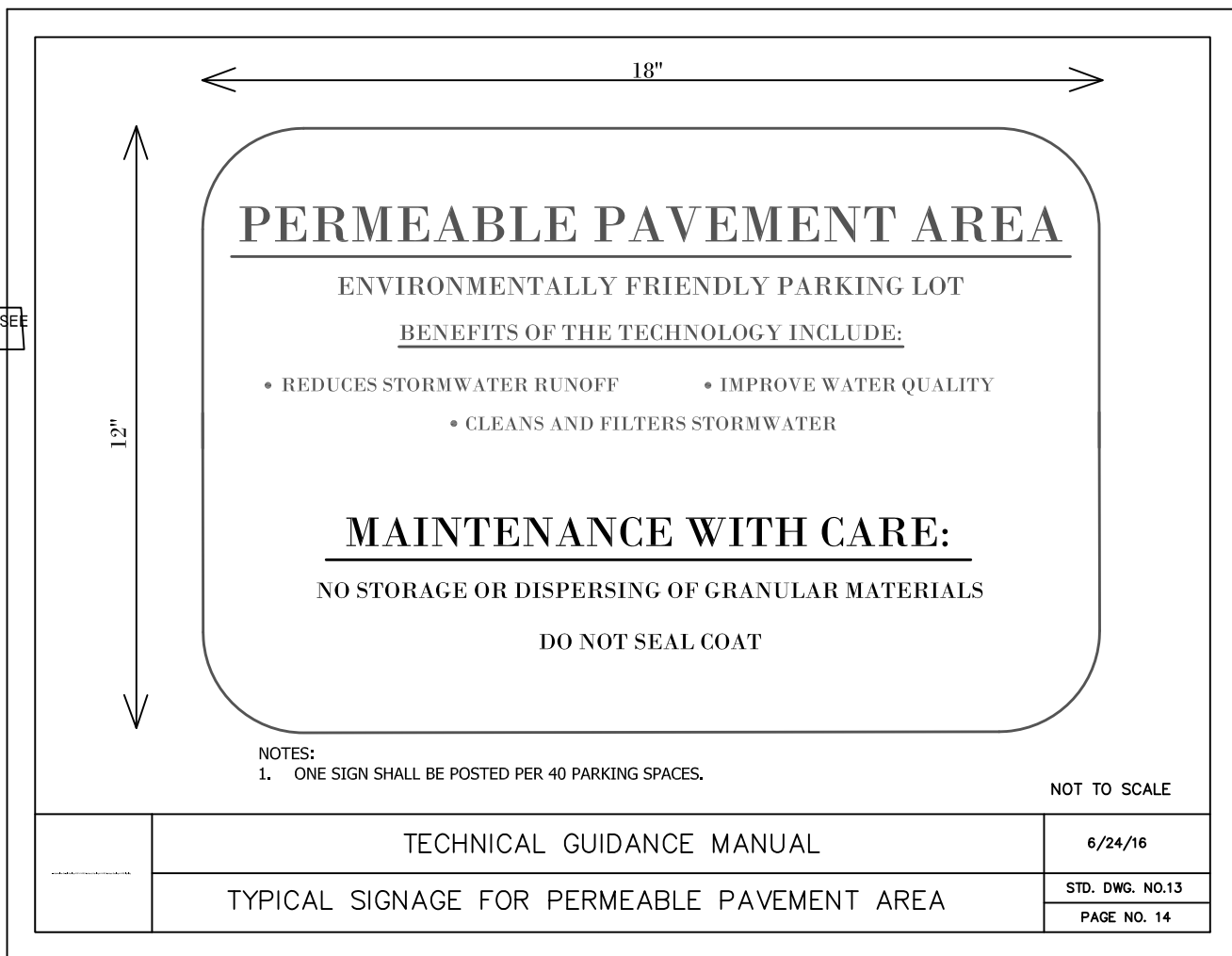
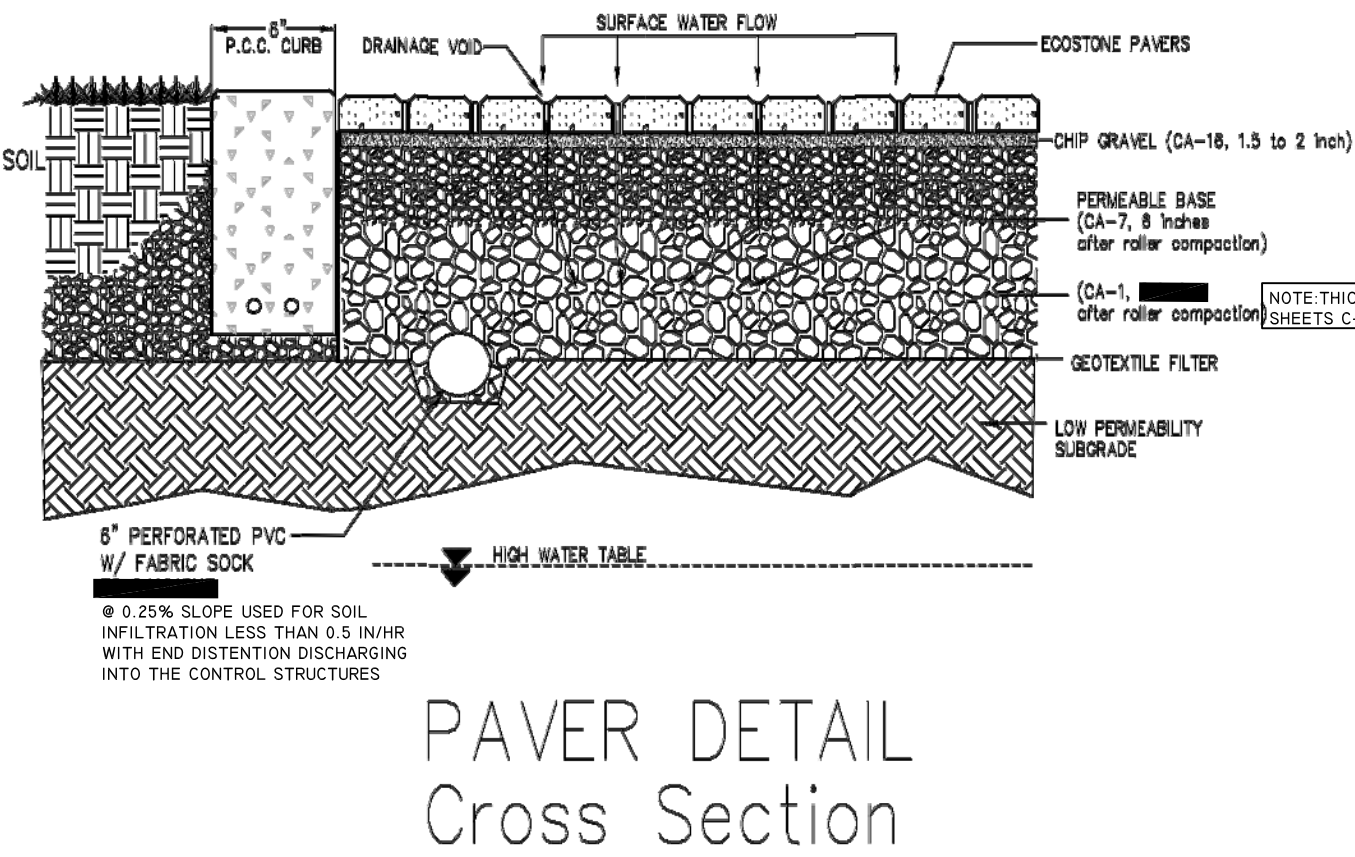
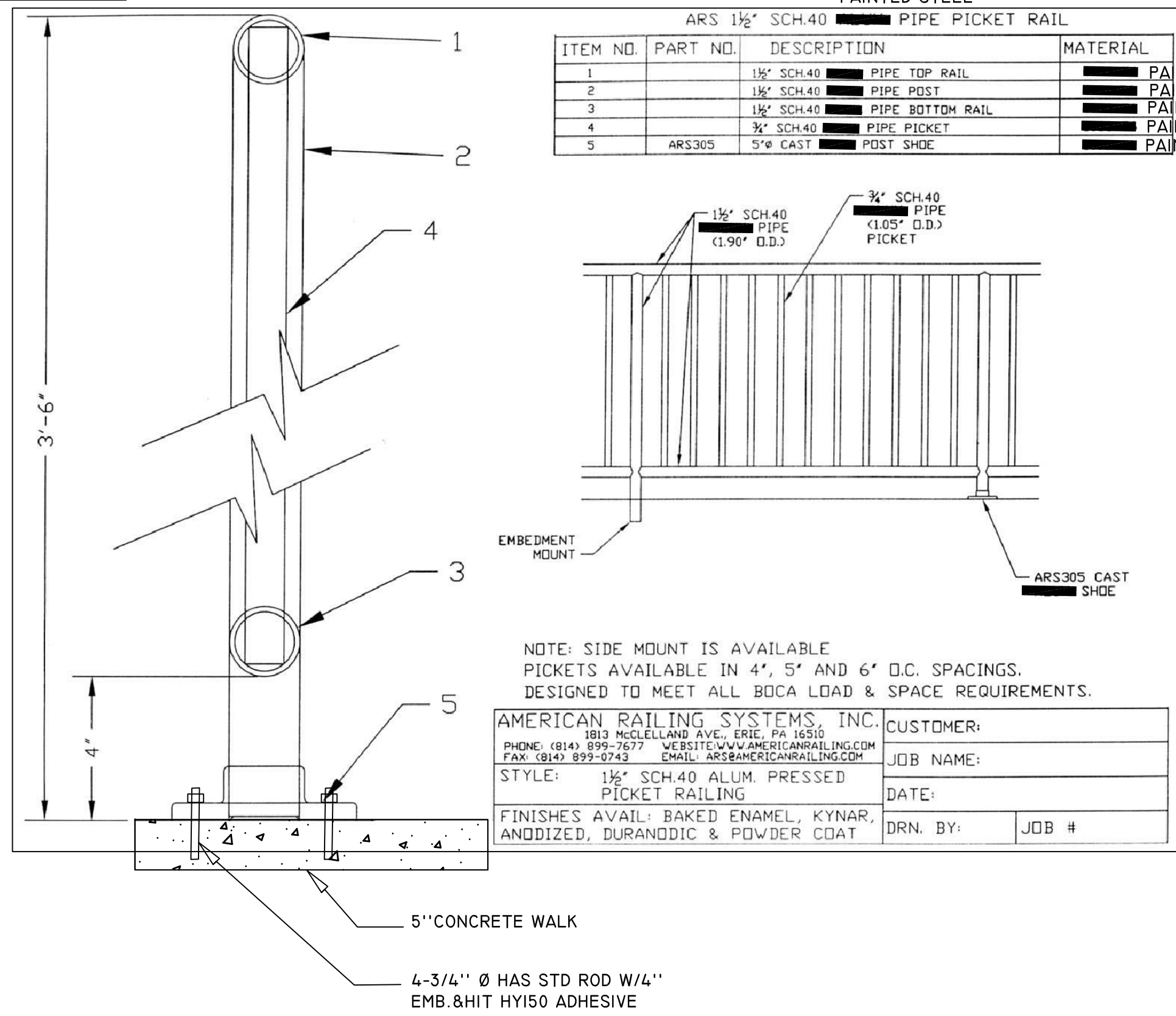
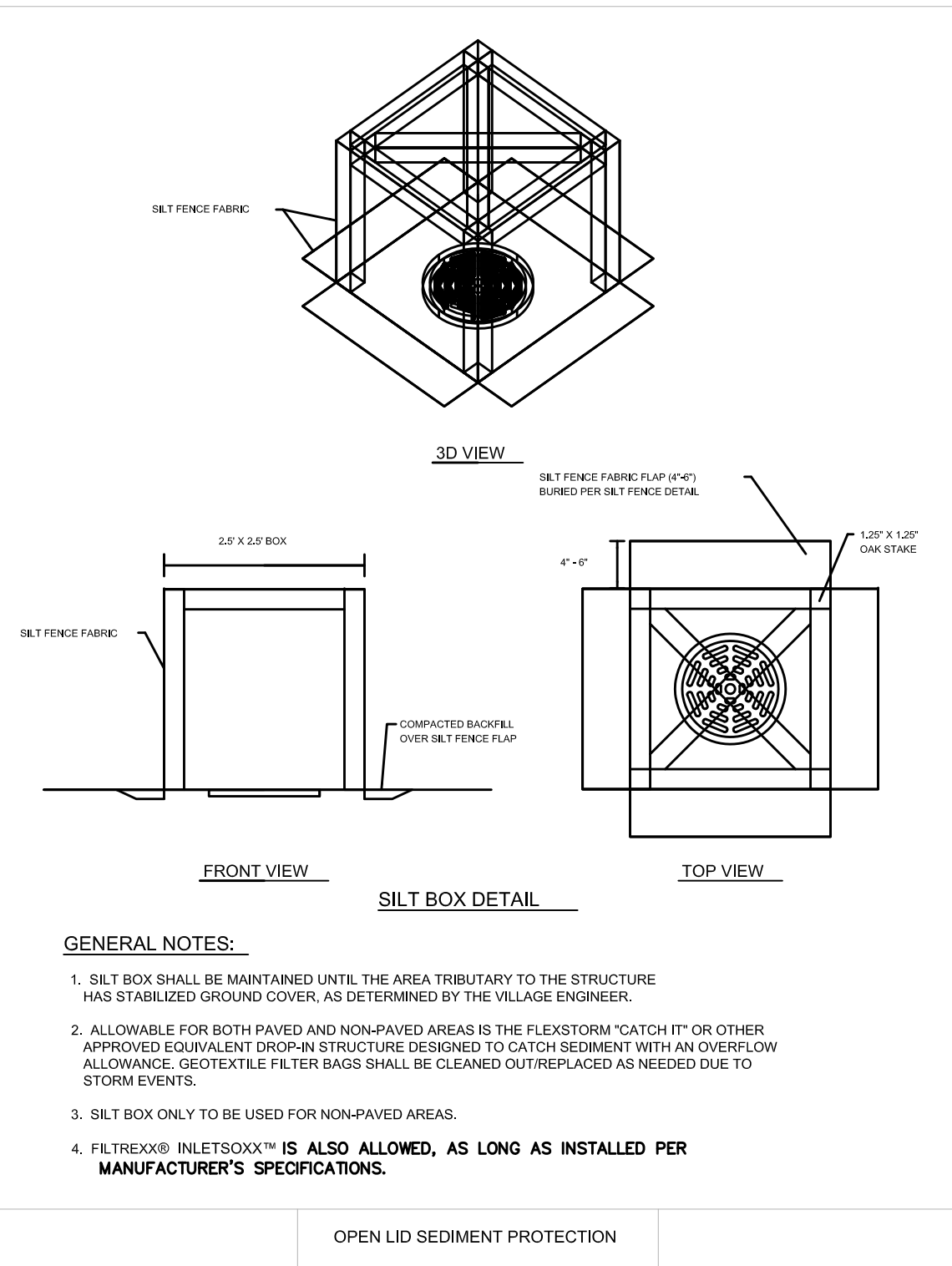
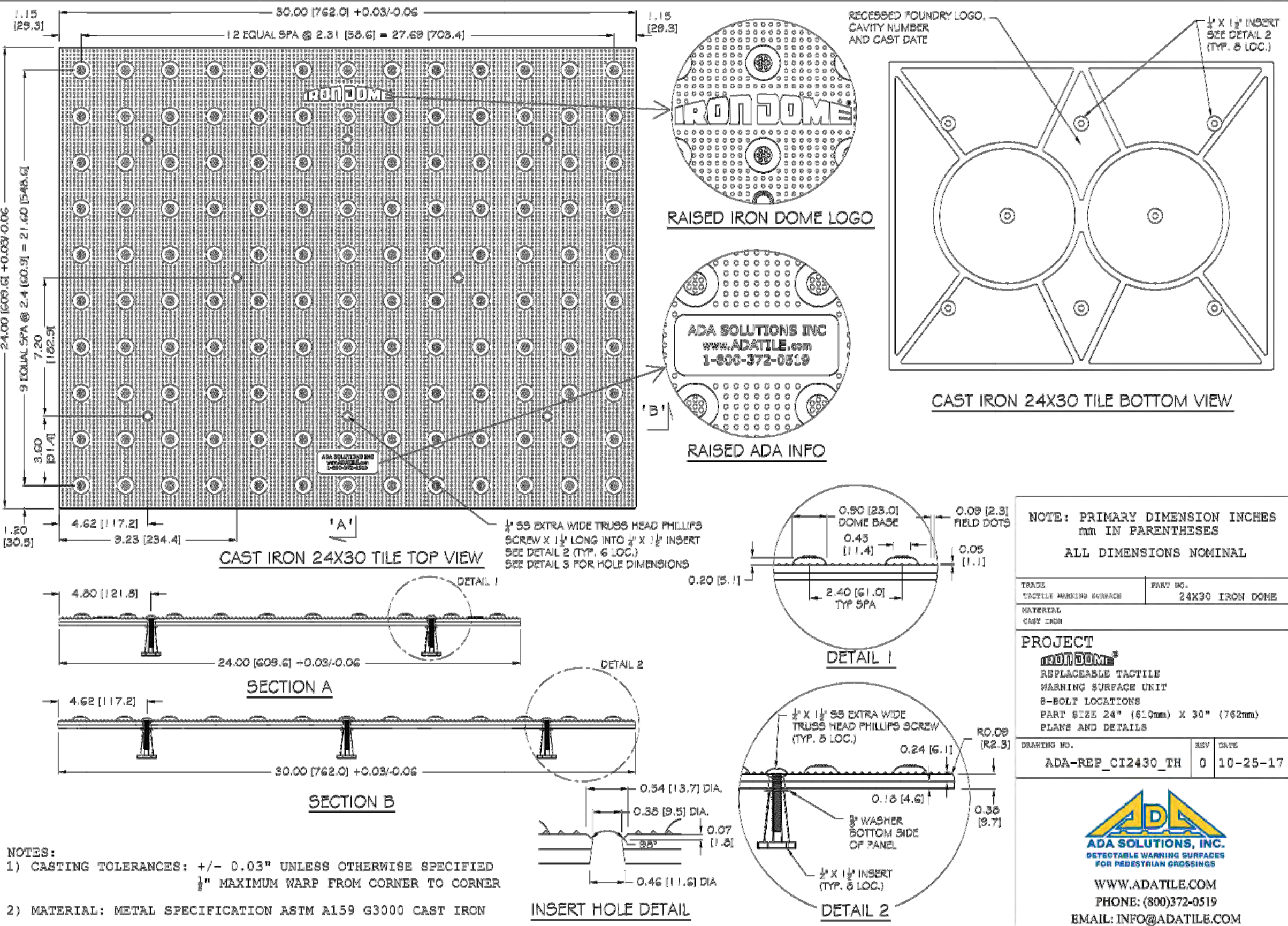
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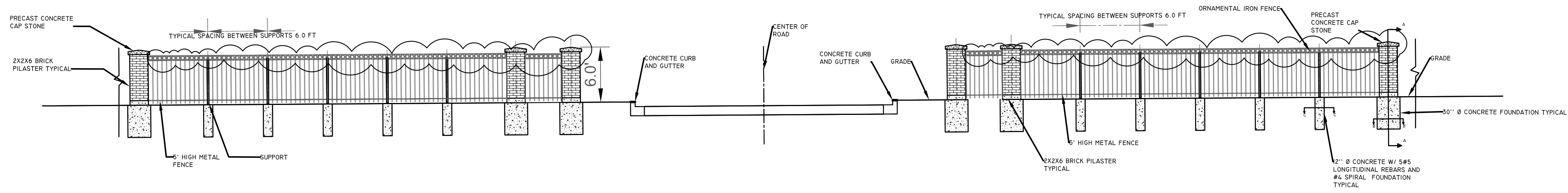


PROPOSED PARKING
LOT EXPANSION
Orland Park Prayer Center
16530 S. 104th Ave
Orland Park, IL

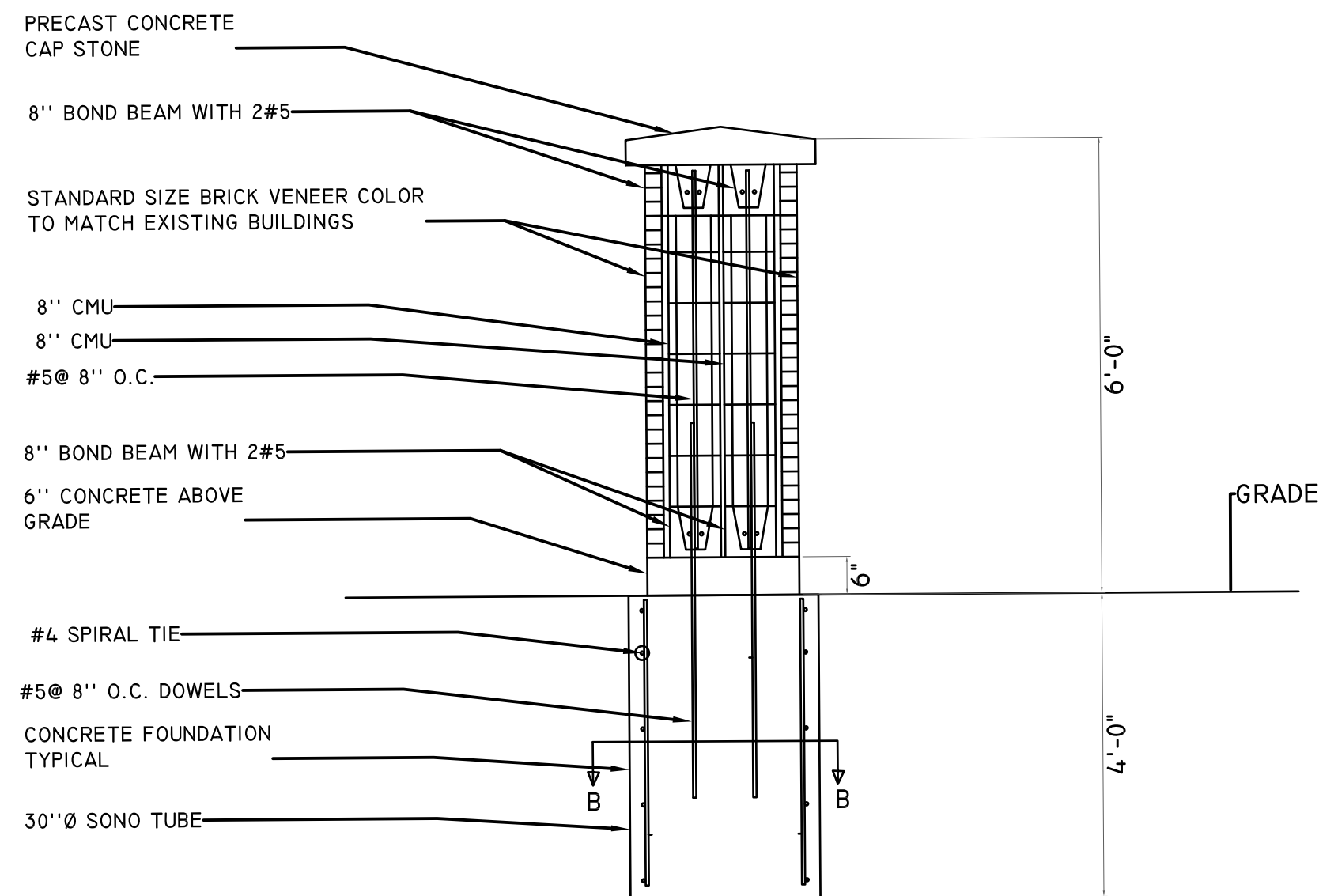
CONSTRUCTION DETAILS-I

DATE: 05/05/17
SCALE: AS NOTED
By: KM
CHK: AA
PRJ#: 03-2016

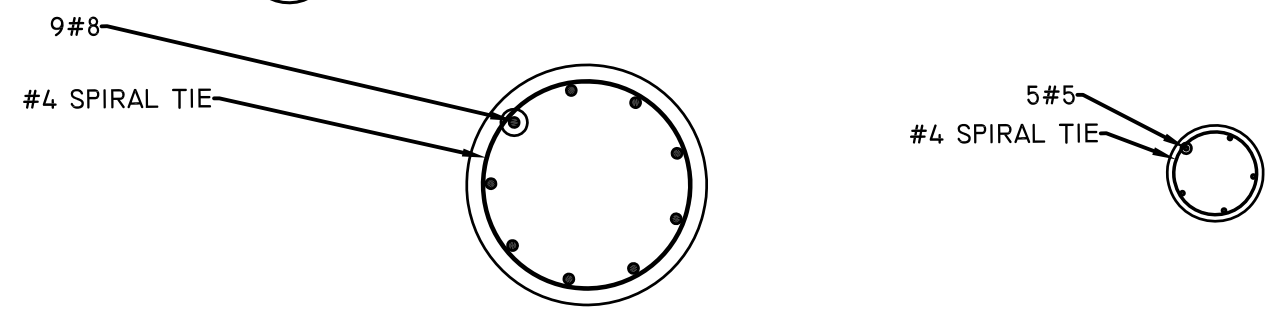
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FENCE TYPICAL PARTIAL ELEVATION
SCALE: 1 1/2" = 1'



FENCE TYPICAL SECTION A-A
SCALE: 1 1/2" = 1'

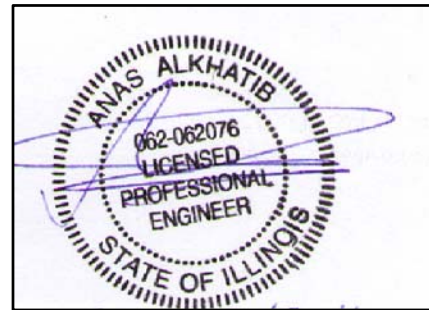


TYPICAL SECTION B-B
SCALE: 1 1/2" = 1'

TYPICAL SECTION C-C
SCALE: 1 1/2" = 1'

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CIVIL ENGINEER



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13	02/23/20	COOK COUNTY COMMENTS 02/21/20
14	02/23/20	PER VILLAGE COMMENTS 03/30/20
15	08/19/20	REVISED GUARD RAIL
16	08/21/20	REVISED ORNAMENTAL FENCE

PROPOSED PARKING
LOT EXPANSION
Orland Park Prayer Center
16530 S. 104th Ave
Orland Park, IL

ORNAMENTAL FENCE DETAILS

DATE: 05/05/17
SCALE: AS NOTED
BY: KM
CHK: AA
PRJ#: 03-2016

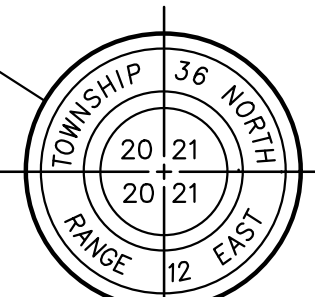
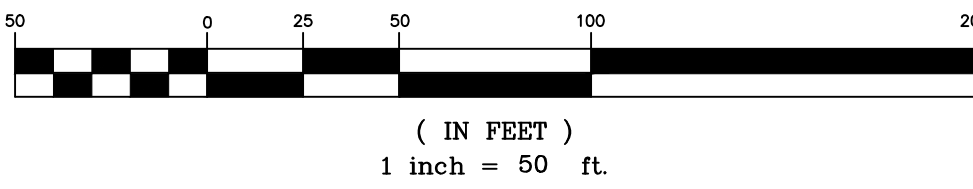
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FINAL PLAT OF SUBDIVISION
ORLAND PARK PRAYER CENTER
SUBDIVISION NO. 2

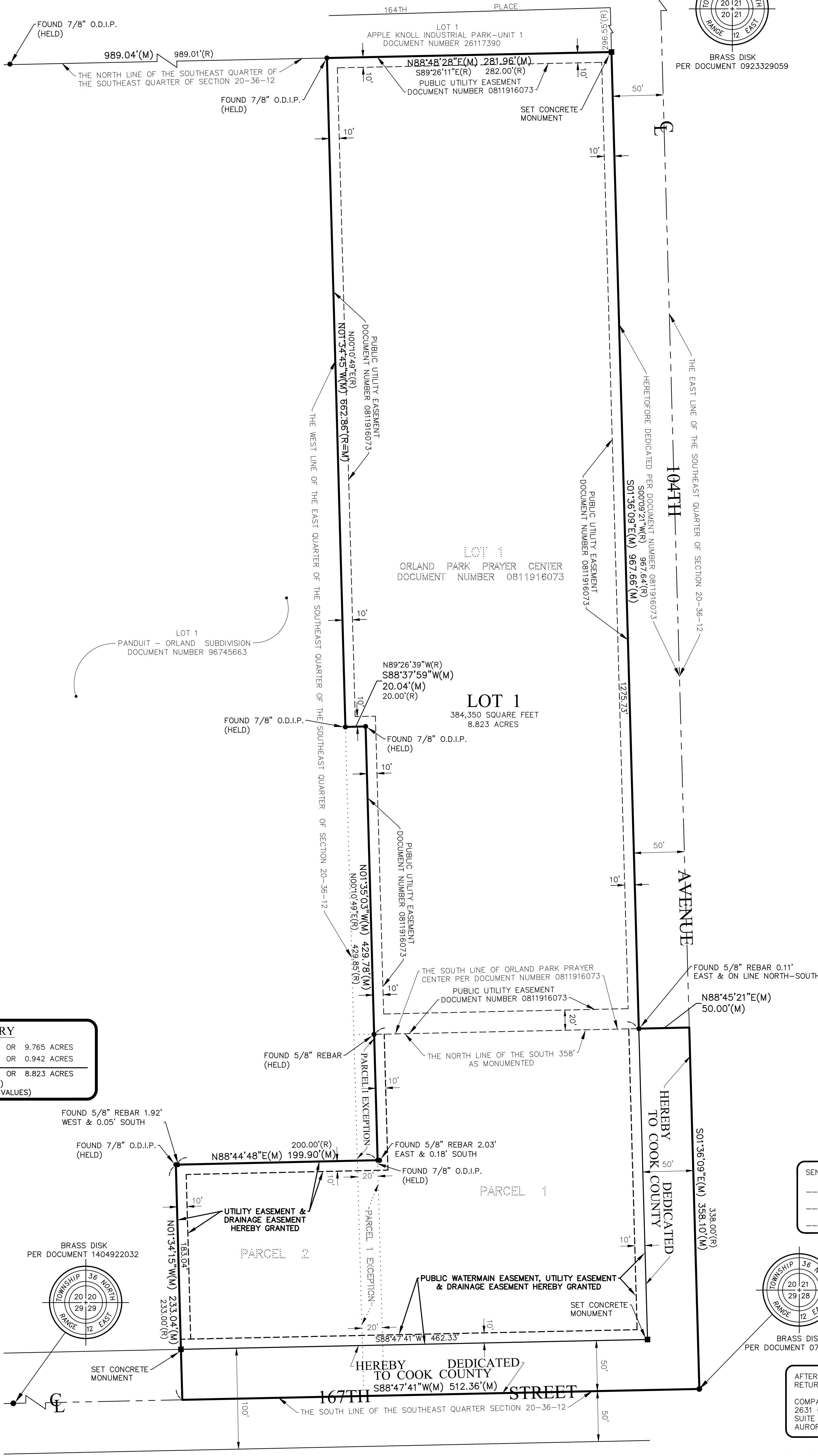
IN THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 36 NORTH,
RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS

P.I.N. 27-20-403-011
P.I.N. 27-20-403-013
P.I.N. 27-20-403-015
P.I.N. 27-20-403-016

GRAPHIC SCALE



BRASS DISK
PER DOCUMENT 0923329059



AREA SUMMARY

GROSS	425,372 SQUARE FEET	OR	9.765 ACRES
R.O.W. DEDICATION	41,022 SQUARE FEET	OR	0.942 ACRES
NET AREA	384,350 SQUARE FEET	OR	8.823 ACRES
(BASED ON MEASURED VALUES)			

LEGEND

- SET 7/8" O.D.I.P. UNLESS OTHERWISE NOTED
- SET CONCRETE MONUMENT UNLESS OTHERWISE NOTED
- + SET CROSS IN CONCRETE UNLESS OTHERWISE NOTED

LINE LEGEND

- SUBDIVISION BOUNDARY LINE
- ADJACENT LAND PARCEL LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE
- BUILDING SETBACK LINE
- SECTION LINE

ABBREVIATIONS

- O.D.I.P. = OUTSIDE DIAMETER IRON PIPE
- (R) = RECORD BEARING OR DISTANCE
- (M) = MEASURED BEARING OR DISTANCE
- (C) = CALCULATED BEARING OR DISTANCE
- (D) = DEED BEARING OR DISTANCE
- B.S.L. = BUILDING SETBACK LINE
- U.E. = UTILITY EASEMENT
- D.E. = DRAINAGE EASEMENT
- P.U.E. = PUBLIC UTILITY EASEMENT
- P.O.C. = POINT OF COMMENCEMENT
- P.O.B. = POINT OF BEGINNING
- U. & D.E. = UTILITY AND DRAINAGE EASEMENT

SEND TAX BILL TO:

Plant List

Shade Trees	Qty.	Size	Botanical Name	Common Name	Remarks
CEO	12	2.5"	<i>Celtis occidentalis</i>	Common Hackberry	BB, (N)
GTS	9	2.5"	<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Skyline'	Skyline Thornless Honeylocust	BB, (NC)
QTO	6	2.5"	<i>Quercus macrocarpa</i>	Espresso Kentucky Coffeetree	BB, (NC)
QUB	8	2.5"	<i>Quercus bicolor</i>	Swamp White Oak	BB, (N)
QUM	5	2.5"	<i>Quercus macrocarpa</i>	Bur Oak	BB, (N)(R)
ULM	8	2.5"	<i>Ulmus 'New Horizon'</i>	New Horizon Elm	BB

Ornamental Trees	Qty.	Size	Botanical Name	Common Name	Remarks
AMG	2	2.5"	<i>Amelanchier x grandiflora</i> 'Cole's Select'	Cole's Select Serviceberry	BB, (NC)
AMG	2	6"	<i>Amelanchier x grandiflora</i> 'Cole's Select'	Cole's Select Serviceberry	BB/Clump, (NC)
COI	3	6"	<i>Crataegus crusgalli</i> var. <i>inermis</i>	Thornless Cockspur Hawthorn	BB/Clump, (N)
MLS	3	6"	<i>Malus sargentii</i>	Sargent Crabapple	BB/Clump
MPP	7	2.5"	<i>Malus 'Purple Prince'</i>	Purple Prince Crabapple	BB
STR	7	2.5"	<i>Syringa reticulata</i> 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	BB

Shrubs	Qty.	Size	Botanical Name	Common Name	Remarks
COI	8	3"	<i>Cornus sericea</i> 'Isanti'	Isanti Redosier Dogwood	BB, (NC)
HMV	8	3"	<i>Hamamelis virginiana</i>	Common Witchhazel	BB/Clump, (N)
HTI	31	24"	<i>Hydrangea arborescens</i> 'Incrediball'	Incrediball Hydrangea	BB, (NC)
JCS	24	24"	<i>Juniperus chinensis</i> var. <i>sargentii</i>	Sargent Juniper	BB
JMC	18	24"	<i>Juniperus chinensis</i> 'Nailay's Compacta'	Nailay's Compact Juniper	BB
PIN	17	24"	<i>Pinus mugo</i> 'Encl'	Encl Mugo Pine	BB
PHG	16	24"	<i>Picea pungens</i> 'Gobosa'	Dwarf Globe Blue Spruce	BB, (NC)
PHG	16	24"	<i>Rhus aromatica</i> 'Glo-Low'	Glo-Low Fragrant Sumac	BB, (NC)
SYB	16	24"	<i>Syringa</i> 'Blooming Dark Purple'	Blooming Dark Purple Lilac	BB, (NC)
VDM	22	24"	<i>Viburnum dentatum</i> 'Christom'	Blue Mufin Arrowwood Viburnum	BB, (NC)

Perennials	Qty.	Size	Botanical Name	Common Name	Remarks
ACH	39	#1	<i>Achilles 'Moonshine'</i>	Moonshine Yarrow	Container
ALL	28	#1	<i>Allium 'Summer Beauty'</i>	Summer Beauty Allium	Container
AWB	12	#1	<i>Aster dumosus</i> 'Wood's Blue'	Wood's Blue Aster	Container, (NC)
DIA	20	#1	<i>Dianthus gratianopolitanus</i> 'Firewitch'	Firewitch Cheddar Pinks	Container
ECH	16	#1	<i>Echinacea purpurea</i>	Purple Coneflower	Container, (N)
HLG	35	#1	<i>Hemerocallis 'Little Grapette'</i>	Little Grapette Daylily	Container
HMR	13	#1	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	Container
LIA	10	#1	<i>Liatris spicata</i> 'Kabold'	Kabold Blazing Star	Container, (NC)
RUD	20	#1	<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-Eyed Susan	Container, (NC)

Ornamental Grasses	Qty.	Size	Botanical Name	Common Name	Remarks
AND	21	#1	<i>Andropogon gerardi</i> 'Red October'	Red October Big Bluestem	Container, (NC)
BOU	16	#1	<i>Bouteloua curtipendula</i>	Side Oats Grass	Container, (N)
CAR	18	#1	<i>Carex pensylvanica</i>	Pennsylvania Oak Sedge	Container, (N)
CMK	28	#1	<i>Calamagrostis aquiflora</i> 'Karl Foerster'	Karl Foerster Reed Grass	Container
PAN	76	#1	<i>Panicum virgatum</i>	Switch Grass	Container, (N)
PEN	27	#1	<i>Pennisetum alopecuroides</i> 'Hamm'	Dwarf Fountain Grass	Container
SCH	76	#1	<i>Schizanthus scoparium</i>	Little Bluestem	Container, (N)
SPO	44	#1	<i>Sporobolus heterolepis</i>	Prairie Dropseed	Container, (N)

NOTE:

(N) - Native species

(NC) - Native cultivar

(NI) - These plant materials are not included in the Landscape Calculations, but shall be provided and installed by landscape contractor.

(R) - Replacement Trees

Landscape Notes

Size and grading standards of plant materials shall conform to the latest edition of ANSI Z60.1, AMERICAN STANDARD FOR NURSERY STOCK, by the American Nursery & Landscape Association.

All plant materials shall be nursery grown stock and shall be free of any deformities, diseases or insect damage. Any materials with damaged or cracked/deluged loaders, bark abrasions, sunscald, insect damage, etc. are not acceptable and will be rejected.

Trees not exhibiting a central (or single) leader will be rejected unless called out in the Plant Schedule as multi-stem.

Inspection and approval of all plant materials by the Landscape Architect is required prior to installation. Any materials installed without approval may be rejected.

The Village may reject any plant materials that are diseased, deformed, or otherwise not exhibiting superior quality requirements, including those described in the Plant Schedule.

The Contractor is responsible for providing and installing all materials shown on the Plan in accordance with plan design and materials quantities.

The Contractor is responsible for protecting underground utilities, sidewalks and other previously constructed site improvements.

Landscape Calculations

Total lot area:	117,427 sq. ft.
Total area to be developed:	55,492 sq. ft. (47.7%)
Total landscape area:	49,015 sq. ft. (41.7%)
Total parking lot islands required:	134 spaces = 14 islands
Total parking lot islands provided:	15 islands = 3978 sq. ft.

Landscape Parkways: PROVIDED PER HEY AND ASSOCIATES REVIEW, 04.26.18

West 167th Street	Required 40' o.c.	Proposed 10' o.c.	10' o.c. trees
South 104th Street	Required 40' o.c.	Proposed 10' o.c.	6' o.c. trees

Landscape Corridors

NOT REQUIRED PER HEY AND ASSOCIATES REVIEW, 04.26.18

ADDED: Per Village of Orland Park email, dated 10.12.18.

Shade trees 3

Shrubs 35

Ornamental grasses 114

North Landscape Bufferyard - Not Applicable

West Landscape Bufferyard (508') - Type 1: ACCEPTABLE PER HEY AND ASSOCIATES REVIEW, 04.26.18

Shade trees	Required 15.24	Proposed 19 shade trees + existing vegetation
Evergreen or ornamental trees	5.08	5 ornamental trees + ex. vegetation
Shrubs	81.26	16 3' int. shrubs + ex. vegetation

Foundation and Interior Landscape: MET PER HEY AND ASSOCIATES REVIEW, 04.26.18

Foundation - Not Applicable	Required 11.7	Proposed 12 shade trees
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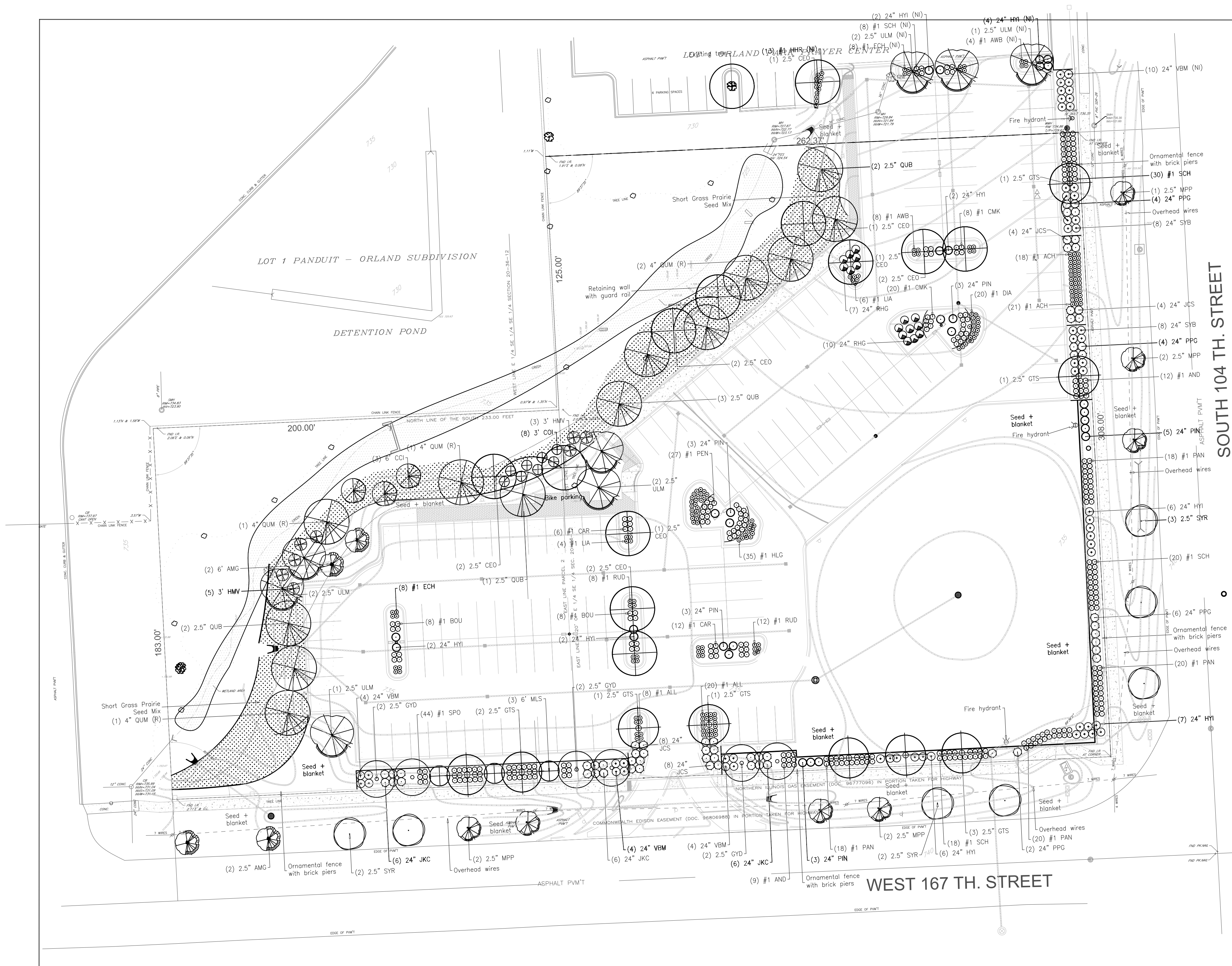
Parking Lot Area Landscape: MET PER HEY AND ASSOCIATES REVIEW, 04.26.18 | Revised per Village 02.16.19

Perimeter screen	Required 75%	Proposed 6 shade trees
134 parking spaces = 14 islands	14 shade trees	(8) trees relocated to West Buffer

Signage Landscape - Not Applicable

Stormwater Management Area Landscape - Not Applicable

NOTE: (NI) - These plant materials are not included in the Landscape Calculations, but shall be provided and installed by landscape contractor.



Orland Park Prayer Center

16530 South 104th Avenue
Orland Park, Illinois

DAVID R. McCALLUM ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

35C N Milwaukee Avenue | Libertyville, Illinois 60089
T 847.382.2239 | F 847.382.2294

McCALLUM
ASSOCIATES

Landscape Plan

Short Grass Prairie Seed Mix

Grasses	Botanical Name	Common Name	Oz./Acre	Total lbs./Acre
Andropogon scoparius		Little Bluestem	240	
Bouteloua curtipendula		Side Oats Grass	56	
Elymus canadensis		Canada Wild Rye	24	
Total Grasses:			320	20

Forbs

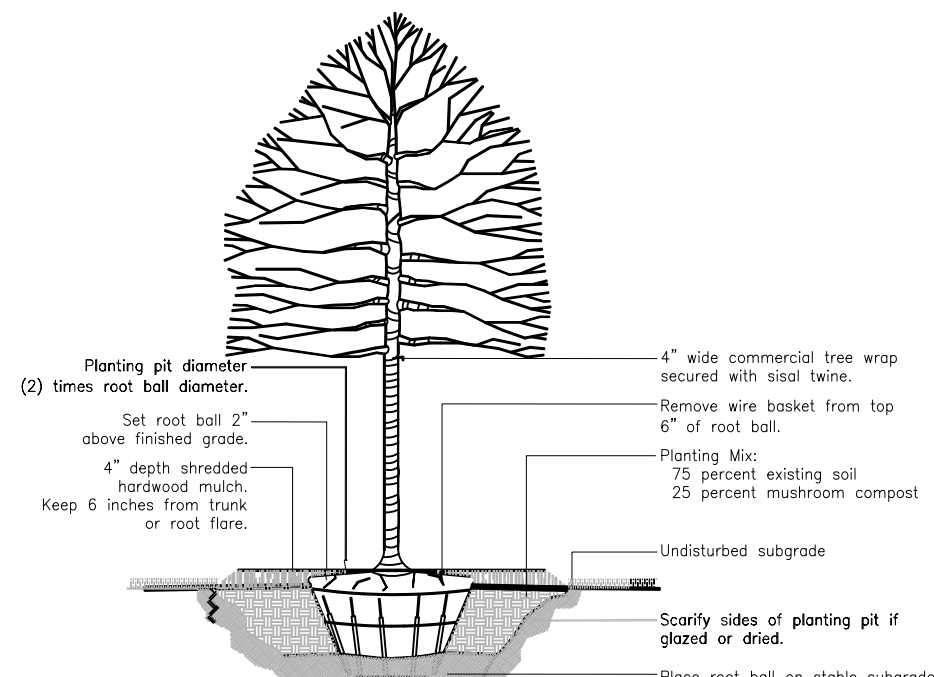
Forbs	Botanical Name	Common Name	Oz./Acre	Total lbs./Acre
Asclepias tuberosa		Butterfly Milkweed	16	
Carex palmata		Prairie Coreopsis	6	
Dalea purpurea		Purple Prairie Clover	16	
Echinacea pallida		Pale Purple Coneflower	16	
Echinacea purpurea		Purple Coneflower	16	
Penstemon digitalis		Foxglove Beard Tongue	4	
Physostegia virginiana		Obedient Plant	4	
Rudbeckia hirta		Black-Eyed Susan	3	
Tradescantia ohiensis		Spiderwort	9	
Total Forbs:			80	5
Total Grasses and Forbs:			400	25

Temporary Cover Crop

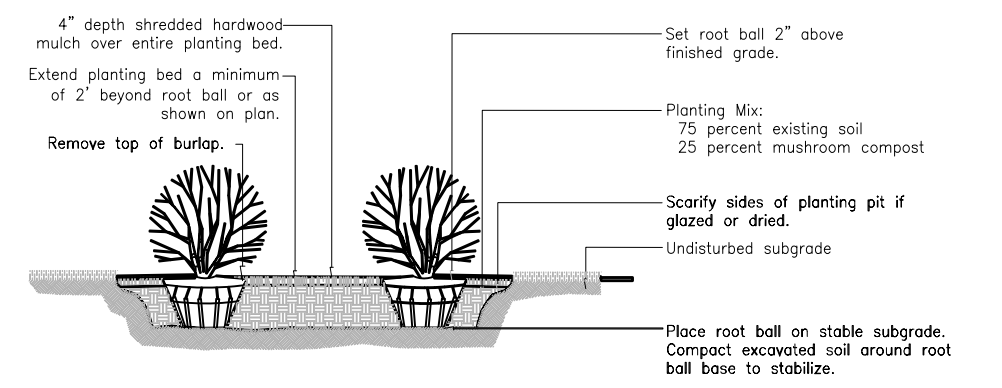
Botanical Name	Common Name	Oz./Acre	Total lbs./Acre
Avena sativa	Common Oats	320	20

Applied at the rate of 25 lbs. per acre. | Cover with NAG S75BN Erosion Control Blanket (biodegradable).

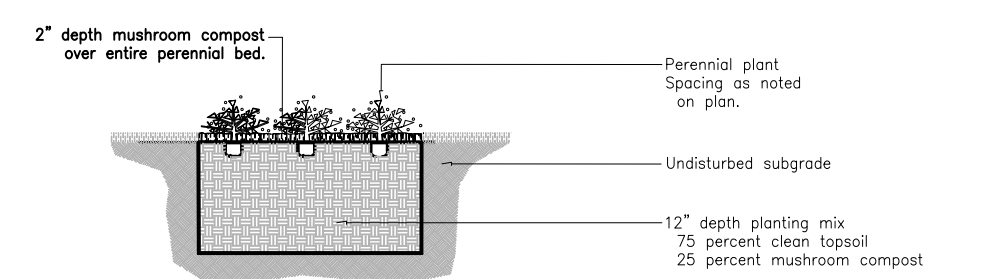
Detail Deciduous Tree Planting



Detail Shrub Planting



Detail Perennial Planting

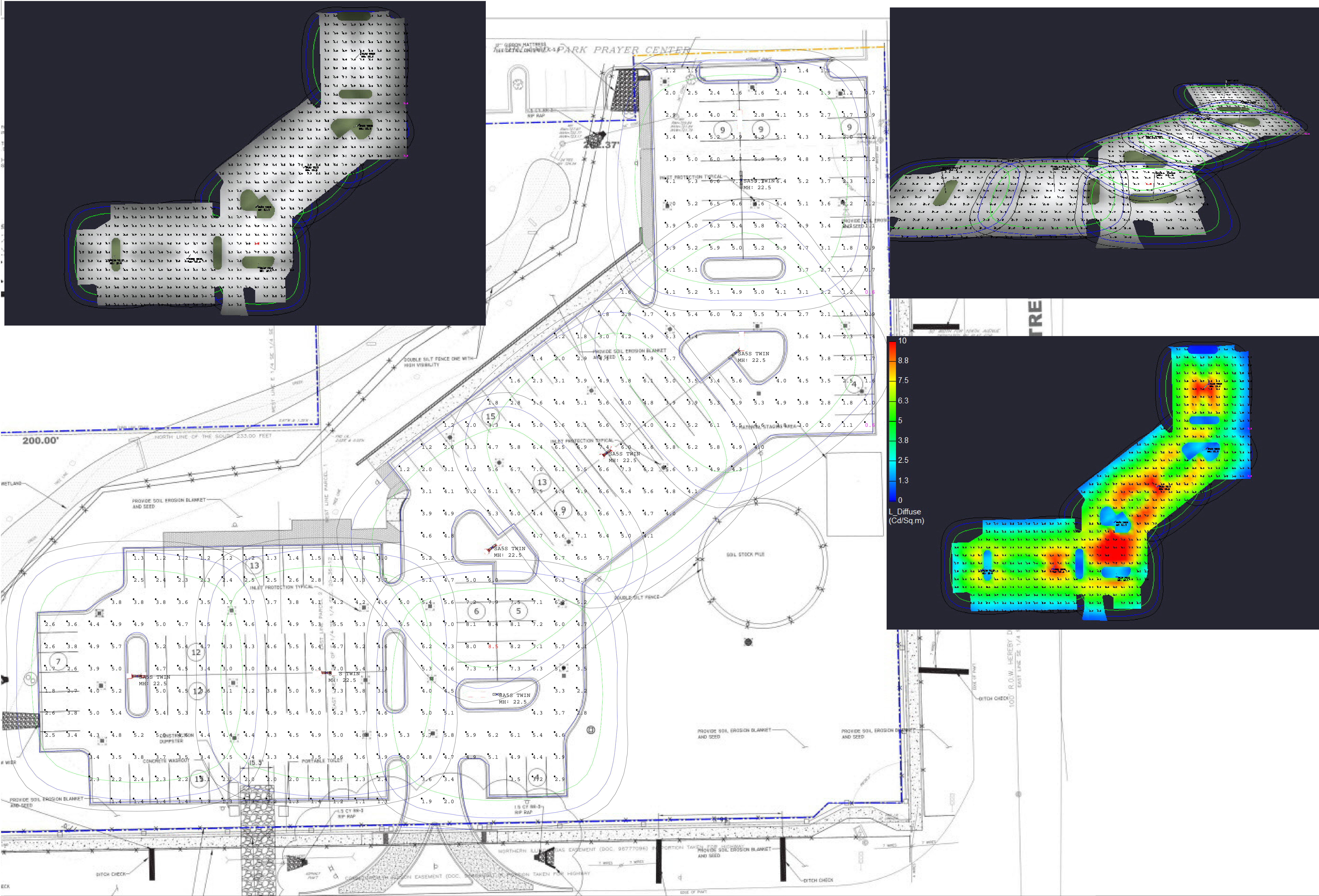


5 PER VILLAGE COMMENTS 08.27.20

4	Site Lighting Village Review	02.16.19
3	Per Village Comments	10.17.18
2	Per Village Comments	07.29.18
1	For Review	03.16.18

Mark	Description	Date
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Issuance



Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
	7	SA5S TWIN	BACK-BACK	1.000	eLALS1-5MQ24040K8-XX

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
PARKING LOT_Top	Illuminance	Fc	4.15	8.5	0.6	6.92	14.17	

#	Date	Comments

Revisions

Drawn By: RAR, MIES
Checked By: CTR
Date: 6/2/2020
Scale: 1"=100'