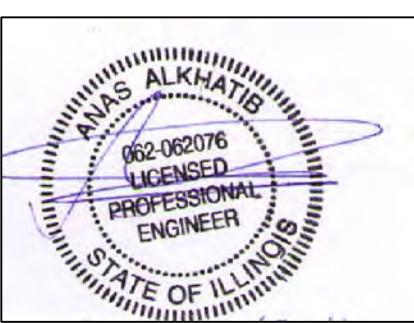


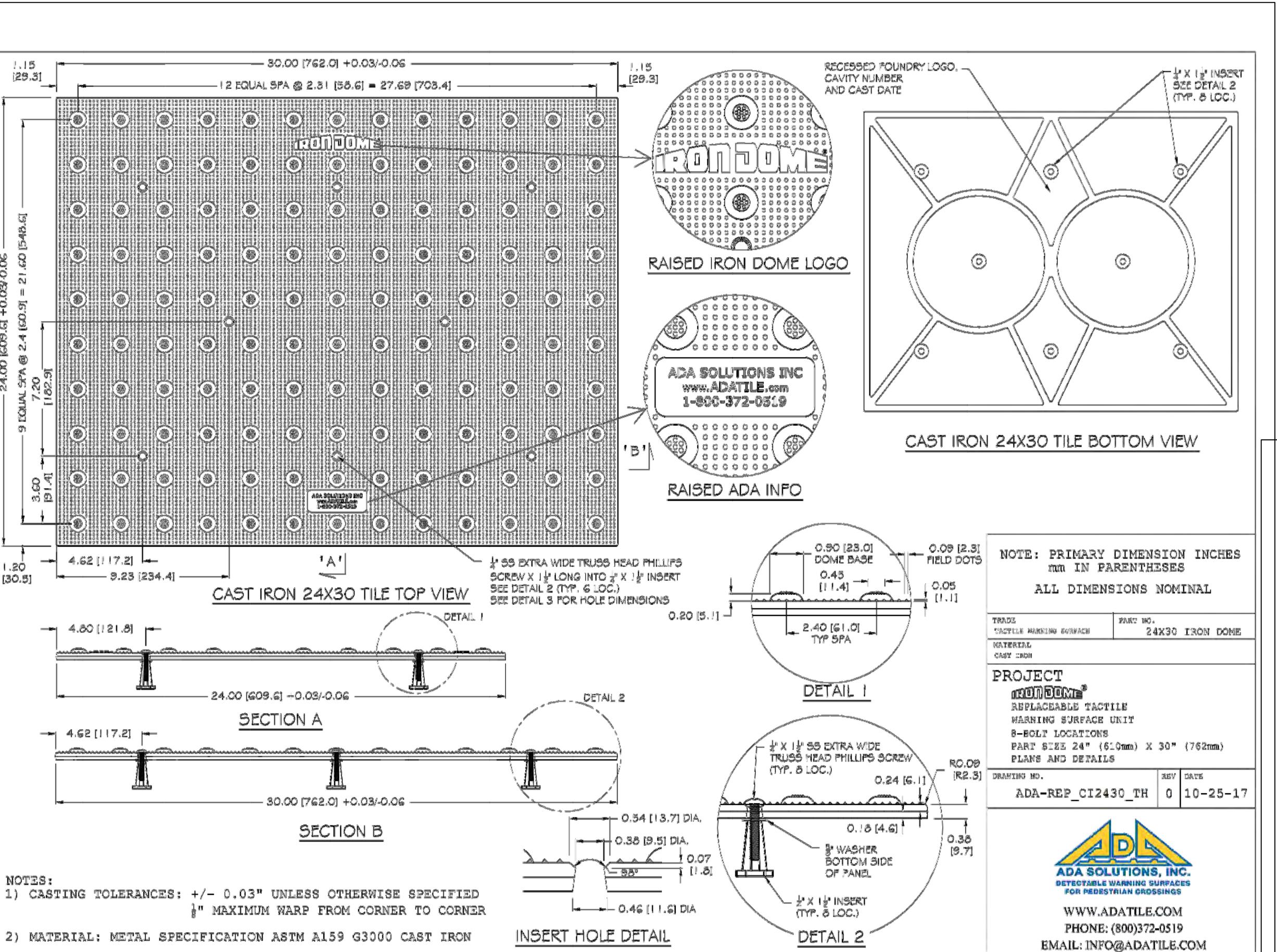
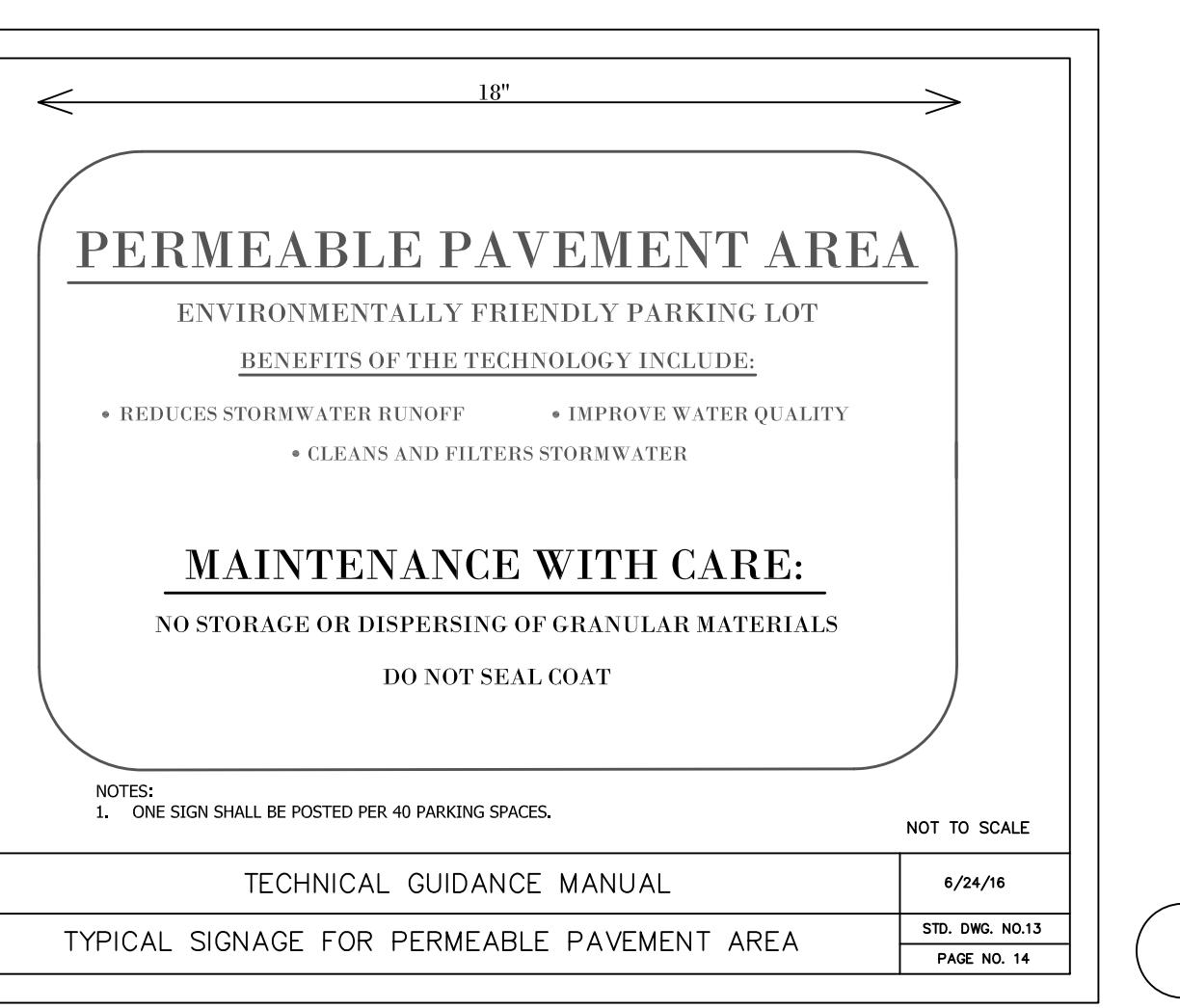
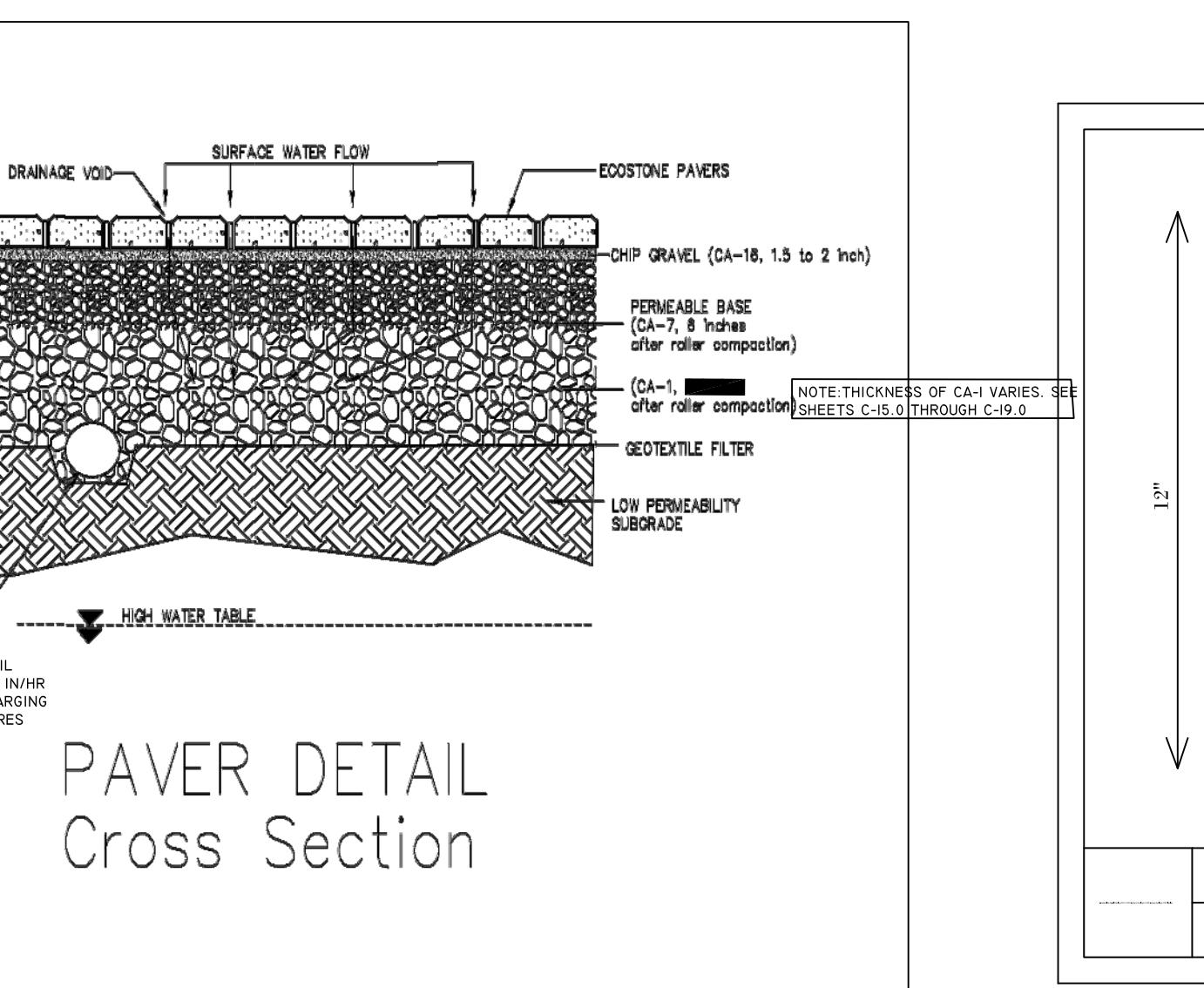
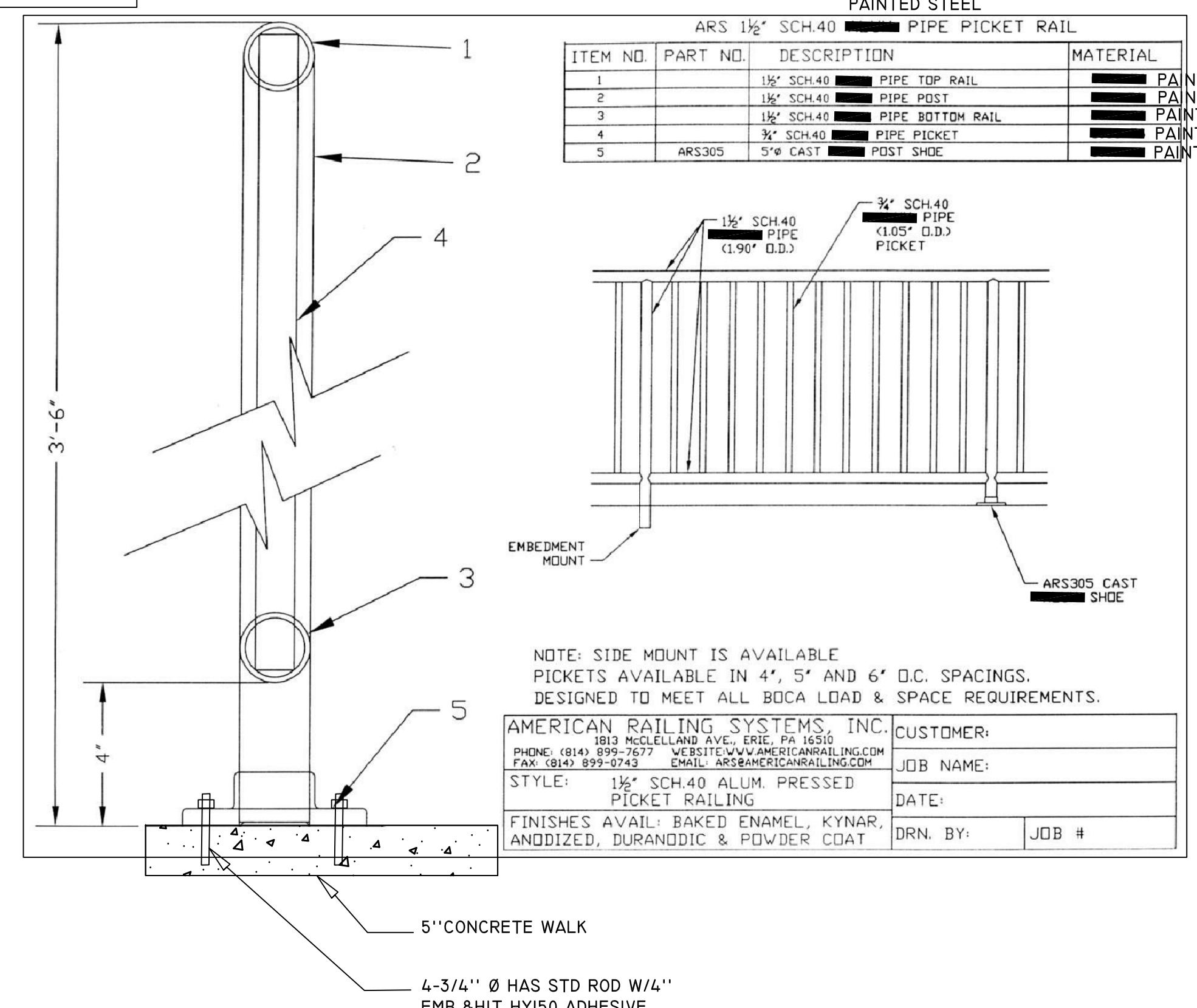
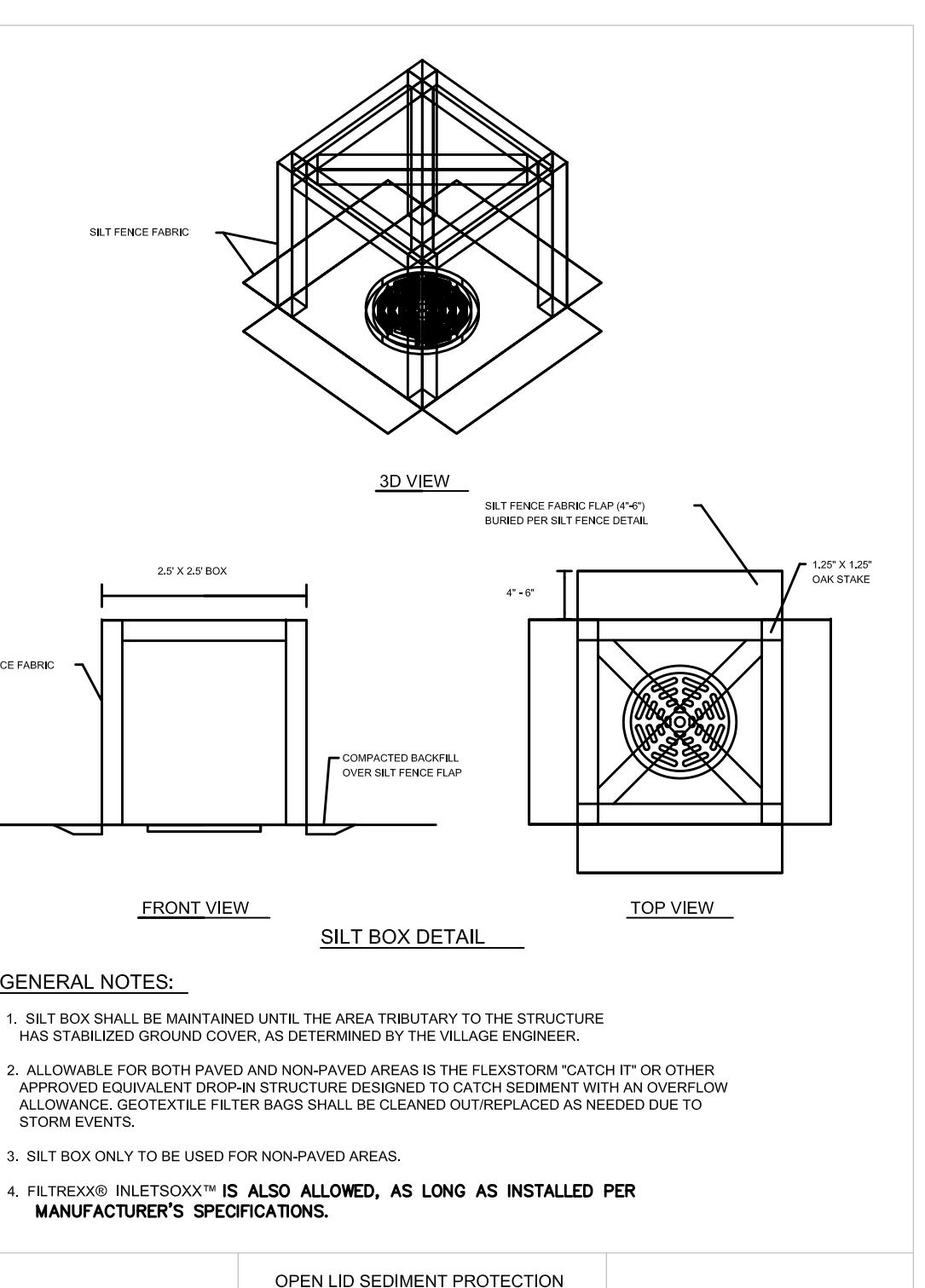
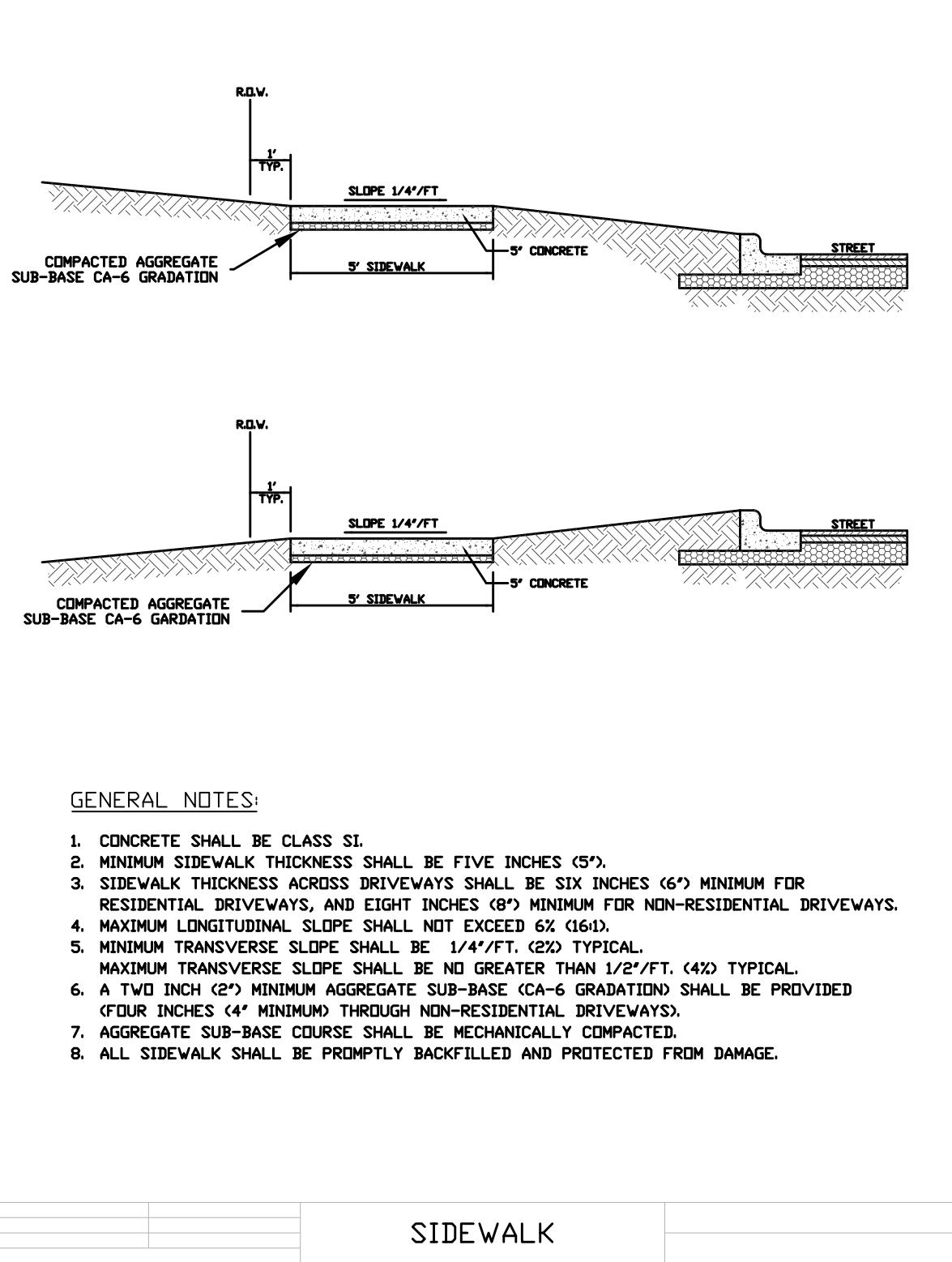
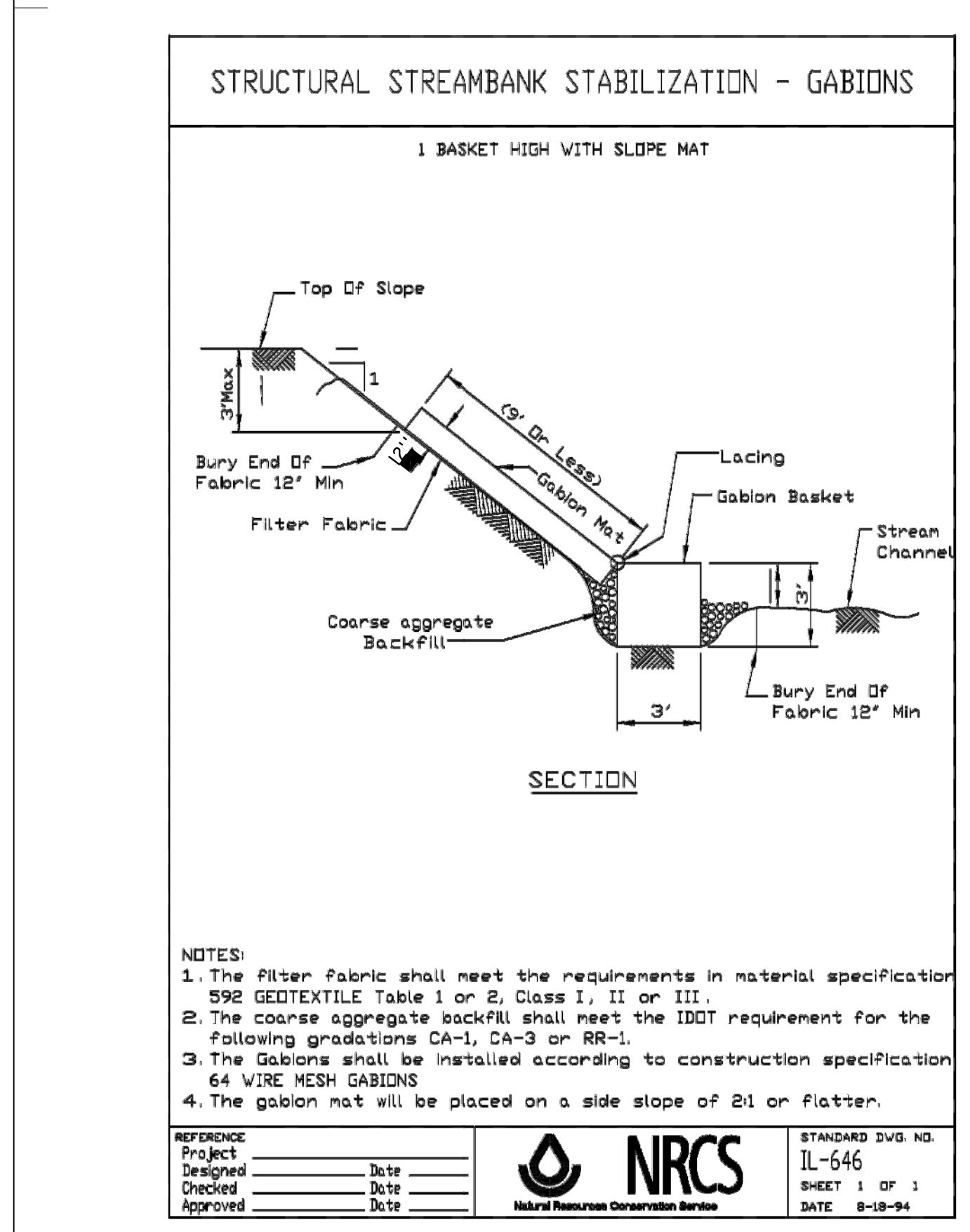
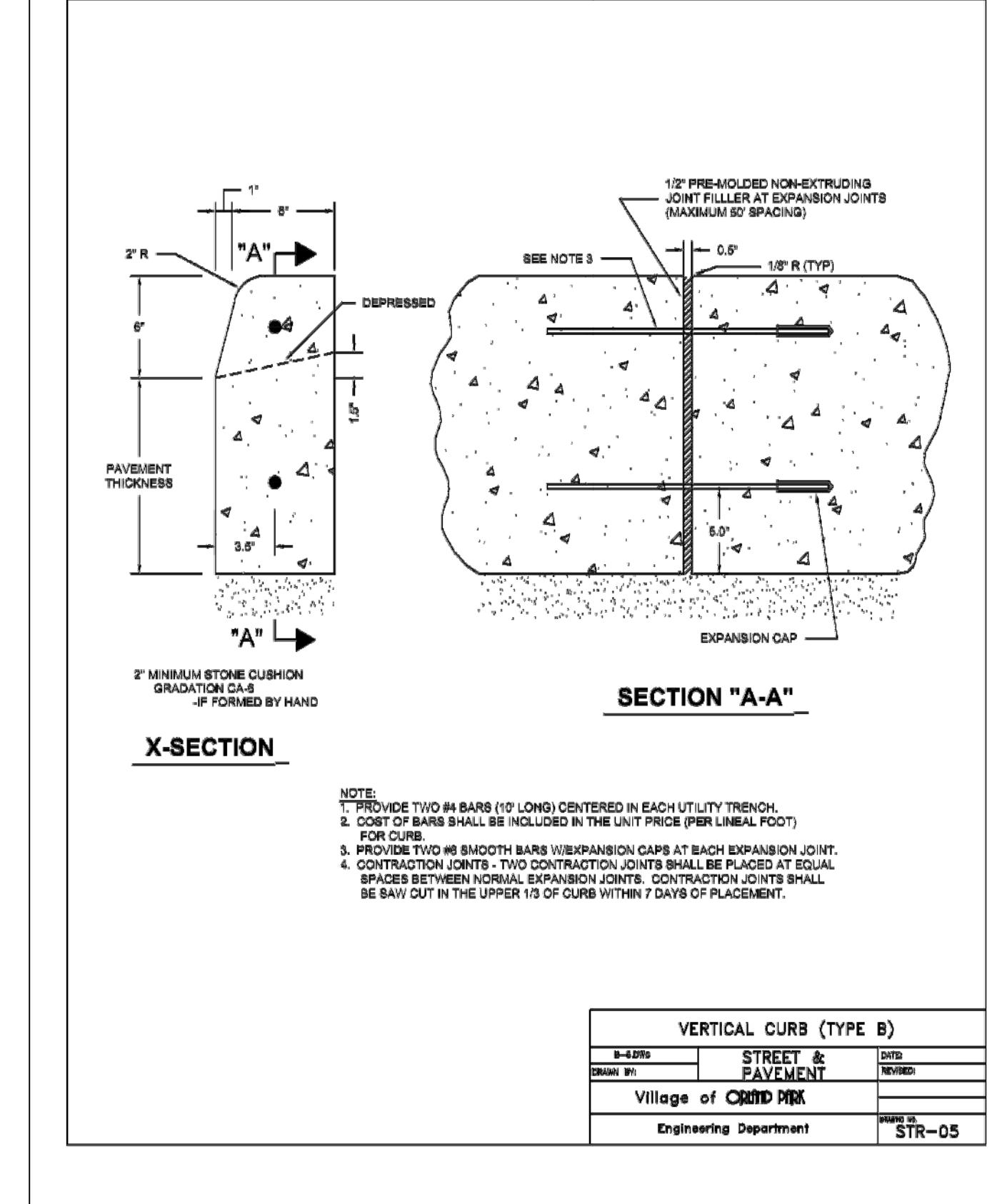
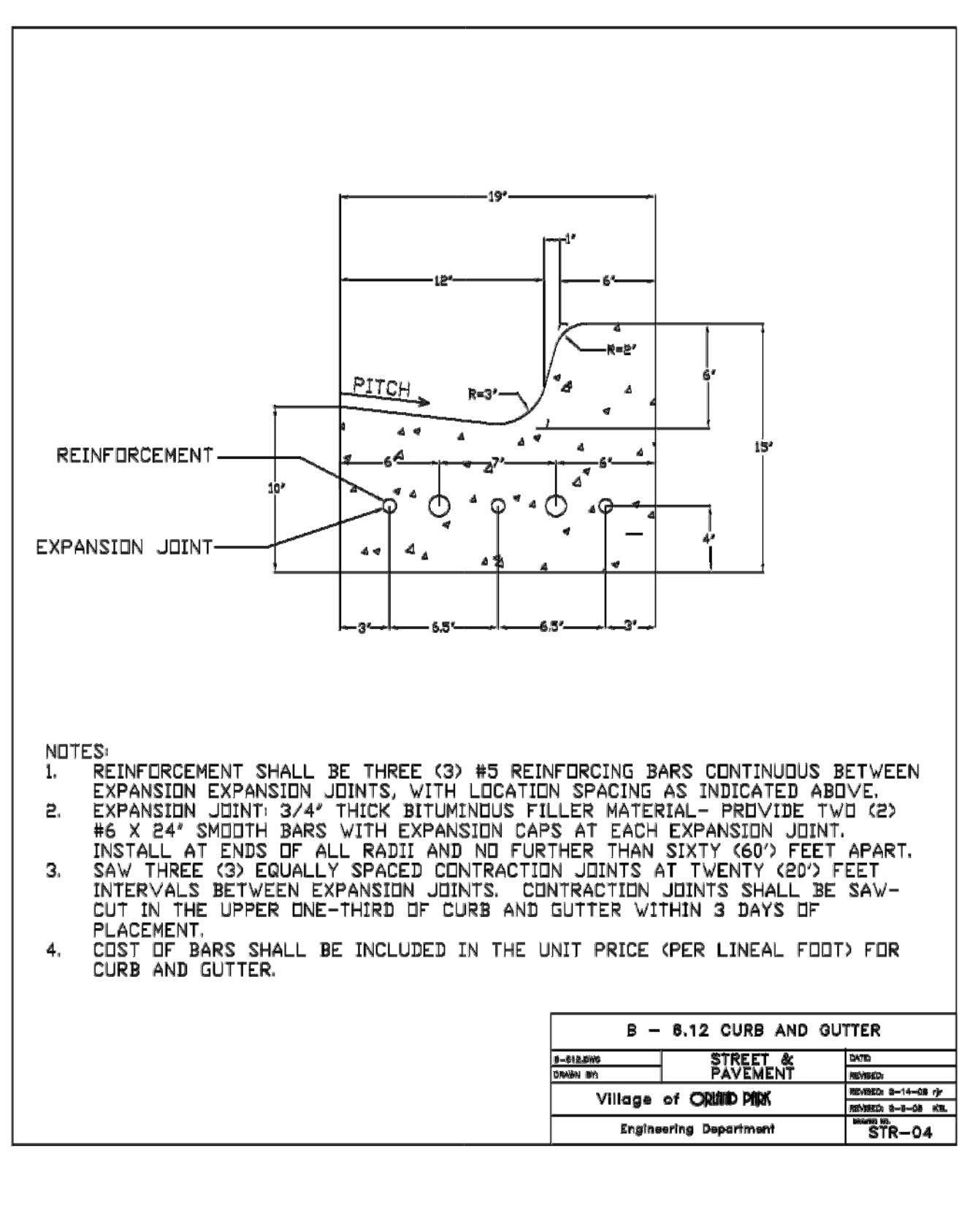
Damas Consulting Group
5625 Middaugh Ave
Downers Grove, IL. 60516
Ph 630-991-3299
FAX 630-541-2382

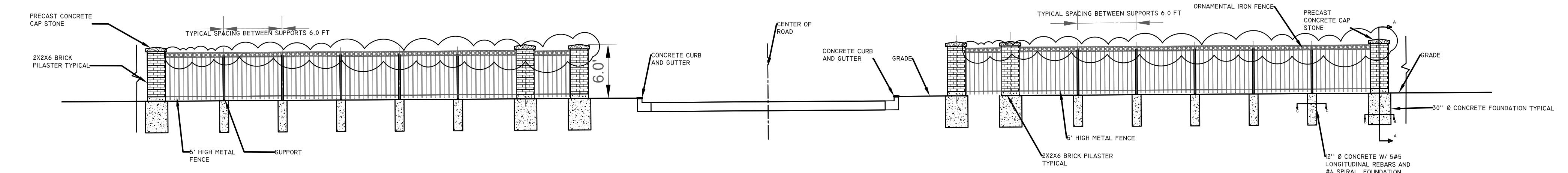


CIVIL ENGINEER

NOTES	REV#	DATE
1. 07/31/17 DESIGN DEVELOPMENT	1	07/31/17
2. 02/19/18 DESIGN DEVELOPMENT	2	02/19/18
3. 03/16/18 DESIGN DEVELOPMENT	3	03/16/18
4. 05/20/18 DESIGN DEVELOPMENT	4	05/20/18
5. 07/17/18 DESIGN DEVELOPMENT	5	07/17/18
6. 08/10/18 PER VILLAGE COMMENTS 08/10/18	6	08/10/18
7. 04/25/19 PER VILLAGE COMMENTS 04/23/19	7	04/25/19
8. 08/15/19 PER VILLAGE COMMENTS 06/04/19	8	08/15/19
9. 09/01/19 PER MWRD COMMENTS 08/22/19	9	09/01/19
10. 10/02/19 PER MWRD COMMENTS 10/01/19	10	10/02/19
11. 01/12/20 COOK COUNTY COMMENTS 01/03/19	11	01/12/20
12. 02/08/20 COOK COUNTY COMMENTS 01/30/20	12	02/08/20
13. 02/23/20 COOK COUNTY COMMENTS 02/21/20	13	02/23/20
14. 02/23/20 PER VILLAGE COMMENTS 03/30/20	14	02/23/20

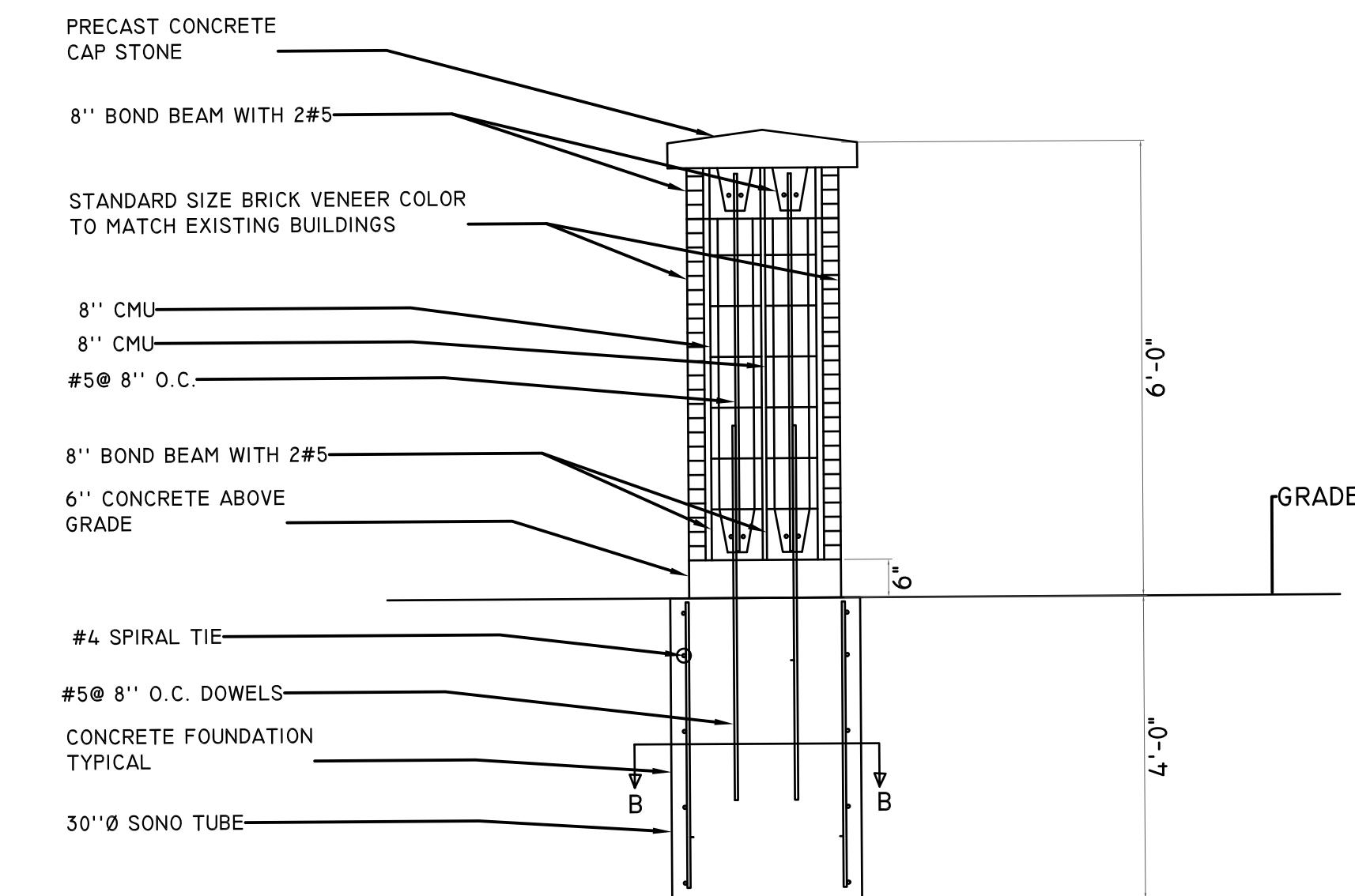
PROPOSED PARKING
LOT EXPANSION
Orland Park Prayer Center
16530 S. 104th Ave
Orland Park, IL





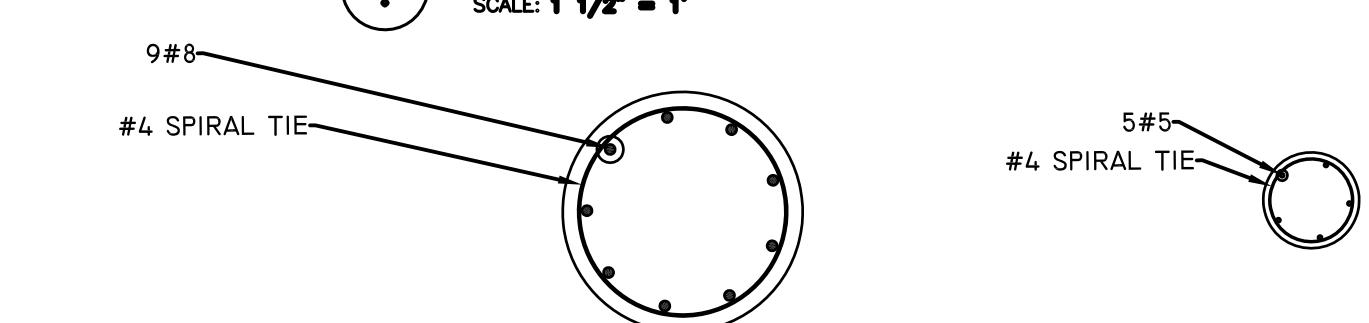
FENCE TYPICAL PARTIAL ELEVATION

SCALE: 1 1/2" = 1'



FENCE TYPICAL SECTION A-A

SCALE: 1 1/2" = 1'



TYPICAL SECTION B-B

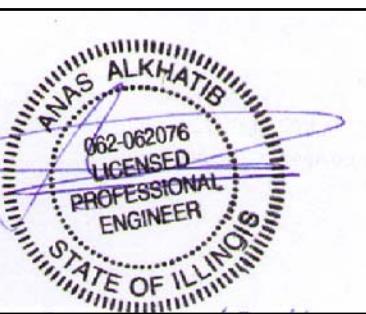
SCALE: 1 1/2" = 1'

TYPICAL SECTION C-C

SCALE: 1 1/2" = 1'

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

CIVIL ENGINEER



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	REVISED GUARD RAIL
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

DATE: 05/05/17	SCALE: AS NOTED	C-14.0
BY: KM	CHK: AA	
PRJ#:	03-2016	

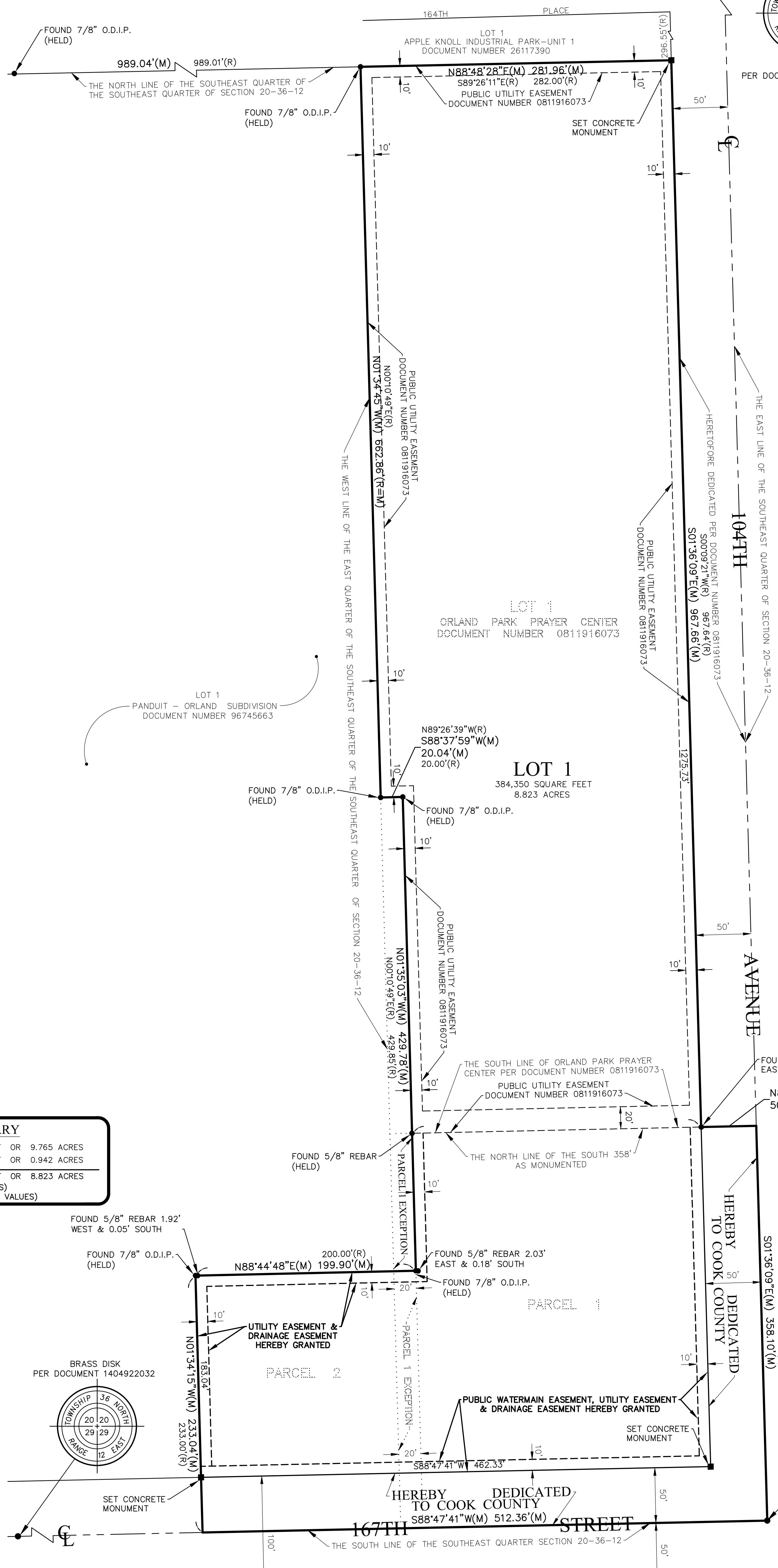
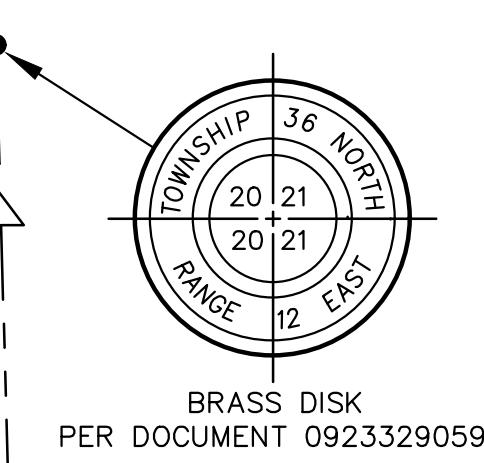
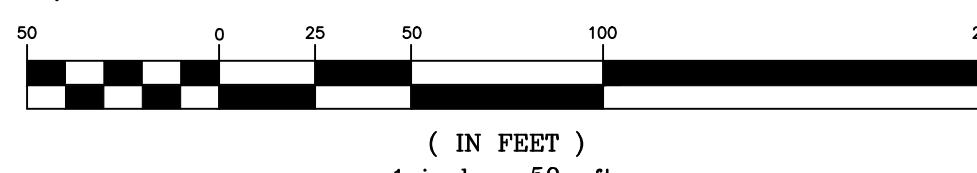
ORNAMENTAL FENCE DETAILS

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

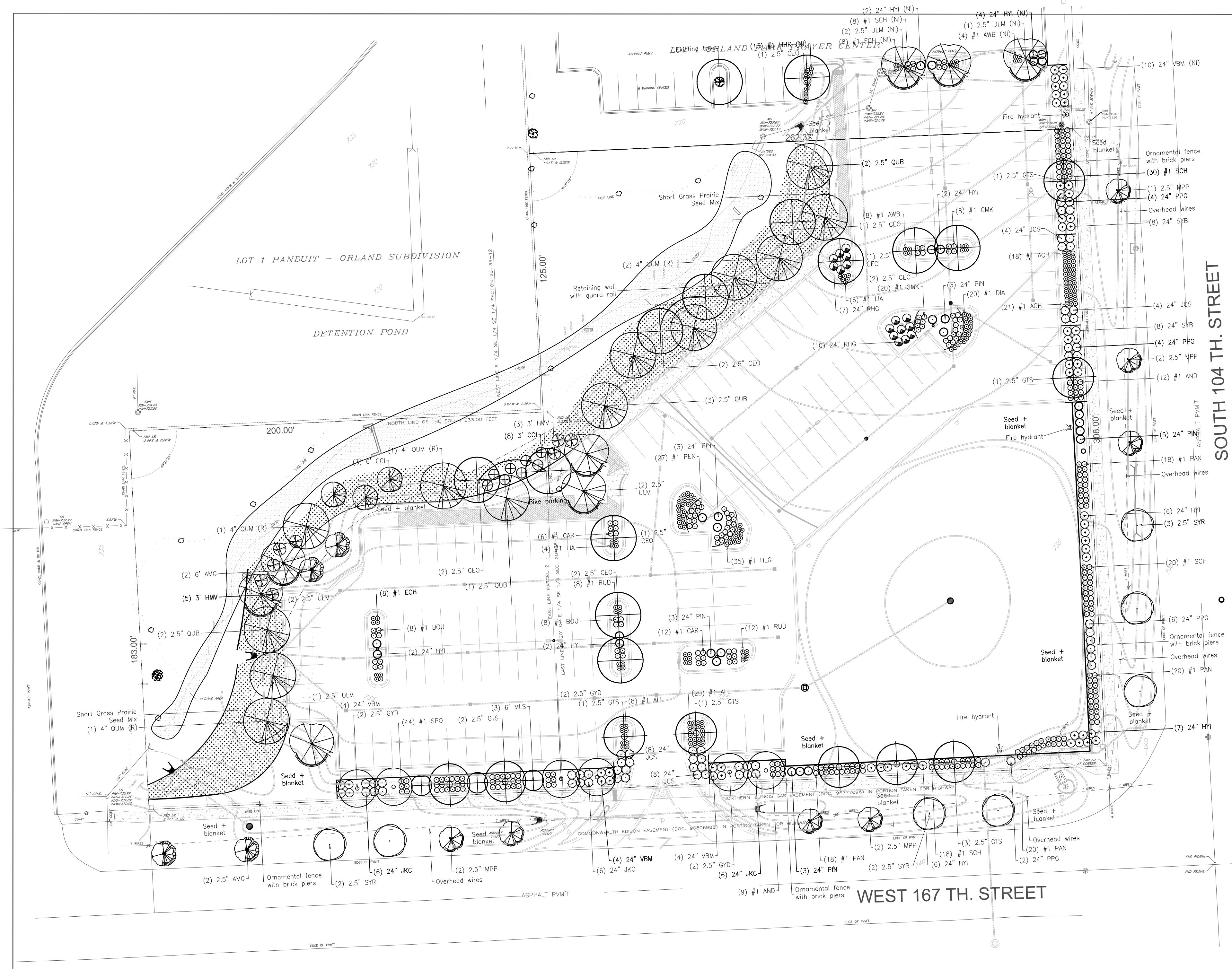


Orland Park Prayer Center

16530 South 104th Avenue
Orland Park, Illinois

DAVID R. McCALLUM ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
360 N. Milwaukee Avenue | Libertyville, Illinois 60040
T 847.362.2233 | F 847.362.2246

McCALLUM
ASSOCIATES



Landscape Plan

Plant List					
Key	Qty.	Size	Botanical Name	Common Name	Remarks
GEO	12	2.5"	Celtis occidentalis	Common Hackberry	BB, (N)
GTS	9	2.5"	Gleditsia triacanthos var. inermis 'Skyline'	Skyline Thornless Honeylocust	BB, (N)
GYD	6	2.5"	Gymnocladus dioicus 'Espresso'	Espresso Kentucky Coffeetree	BB, (N)
QUB	8	4"	Quercus macrocarpa	Swiss White Oak	BB, (N)
QUM	5	4"	Quercus macrocarpa	Bur Oak	BB, (N)(R)
ULM	8	2.5"	Ulmus 'New Horizon'	New Horizon Elm	BB
Ornamental Trees					
AMG	2	2.5"	Amelanchier x grandiflora 'Cole's Select'	Cole's Select Serviceberry	BB, (N)
AMG	2	6"	Amelanchier x grandiflora 'Cole's Select'	Serviceberry	BB/Clump, (N)
CCI	3	6"	Crotonus crusgalli var. 'inermis'	Thornless Cockspur Hawthorn	BB/Clump, (N)
MLS	3	6"	Malus sargentii	Sargent Crabapple	BB/Clump
MPP	7	2.5"	Malus 'Purple Prince'	Purple Prince Crabapple	BB
SYR	7	2.5"	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	BB
Shrubs					
COI	8	3"	Corus sericea 'Isanti'	Isanti Redosier Dogwood	BB, (N)
HMV	8	24"	Hamamelis virginiana	Common Witchhazel	BB/Clump (N)
HMV	2	24"	Hamamelis virginiana 'Incrediball'	Hamamelis Virginiana	BB
JCS	24	24"	Juniperus chinensis var. 'sargentii'	Sargent Juniper	BB
JKC	18	24"	Juniperus chinensis 'Kolby's Compacta'	Kolby's Compact Juniper	BB
PIN	7	24"	Pinus strobus	Dwarf Blue Spruce	BB, (N)
PPG	16	24"	Picea pungens 'Globosa'	Gro-Low Fragrant Spruce	BB, (N)
RHG	16	24"	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	BB, (N)
STB	6	24"	Syringa 'Blowering Dark Purple'	Blooming Dark Purple Lilac	BB
VBM	22	24"	Viburnum dentatum 'Christon'	Blue Muffin Arrowwood Viburnum	BB, (N)
Perennials					
ACH	39	#1	Achillea 'Moonshine'	Moonshine Yarrow	Container, (N)
ALL	28	#1	Allium 'Summer Beauty'	Summer Beauty Allium	Container, (N)
AMB	2	#1	Aster 'Bridal Veil Blue'	Blue Aster	Container, (N)
DIA	20	#1	Dianthus gratianopolitanus 'Firewatch'	Firewatch Cheddar Pinks	Container, (N)
ECH	16	#1	Echinacea purpurea	Purple Coneflower	Container, (N)
HIS	10	#1	Heuchera 'Palace Purple'	Little Palace Daylily	Container, (N)
HHR	13	#1	Heuchera 'Happy Returns'	Happy Returns Daylily	Container, (N)
LIA	10	#1	Liatris spicata 'Kobold'	Kobold Blazing Star	Container, (N)
RUD	20	#1	Rudbeckia 'Goldsturm'	Goldsturm Black Eyed Susan	Container, (N)
Ornamental Grasses					
AND	21	#1	Andropogon gerardii 'Red October'	Red October Big Bluestem	Container, (N)
BOU	16	#1	Bouteloua curtipendula	Side Oats Grama	Container, (N)
CAS	1	#1	Carex pensylvanica	Pennsylvanica Sedge	Container, (N)
DMK	28	#1	Conocylis oboviflora 'Karl Foerster'	Switch Grass	Container, (N)
PAN	76	#1	Panicum virgatum	Dwarf Fountain Grass	Container, (N)
PEN	27	#1	Pentheria canescens 'Hornii'	Snow Fountain Grass	Container, (N)
SPO	44	#1	Sporobolus heterolepis	Prairie Dropseed	Container, (N)

(NOTE) - Native species
(NC) - Native cultivar
(N) - 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 crooked leaders, 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 or multi-stemmed.

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: 17,427 sq. ft.

Total area to be developed: 55,492 sq. ft.

Total landscape area: 49,015 sq. ft. (41.76)

Total parking lot islands required: 154 species = 14 islands

Total parking lot islands provided: 15 islands = 3976 sq. ft.

Landscape Parkway: PROVIDED PER HEY AND ASSOCIATES REVIEW, 04.26.18

Required 40' o.c. Proposed 10 parkway trees

West 167th Street 40' o.c. 6 parkway trees

Landscape Corridors

NOT REQUIRED PER HEY AND ASSOCIATES REVIEW, 04.26.18

ADDED Per Village of Orland Park email, dated 10.12.18.

Shrub trees 3

Ornamental grasses 35

North Landscape Bufferyard - Not Applicable

West Landscape Bufferyard (S08') - Type 1: ACCEPTABLE PER HEY AND ASSOCIATES REVIEW, 04.26.18

Required 14 Proposed 19 shade trees + existing vegetation

Evergreen or ornamental trees 5.08 5 ornamental trees + ex. vegetation

Shrubs 81.28 16 3' ht. shrubs + ex. vegetation

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

Required 11.7 Proposed 12 shade trees

Trees 11.7

Parking Lot Area Landscape: MET PER HEY AND ASSOCIATES REVIEW, 04.26.18 | Revised per Village 02.16.19

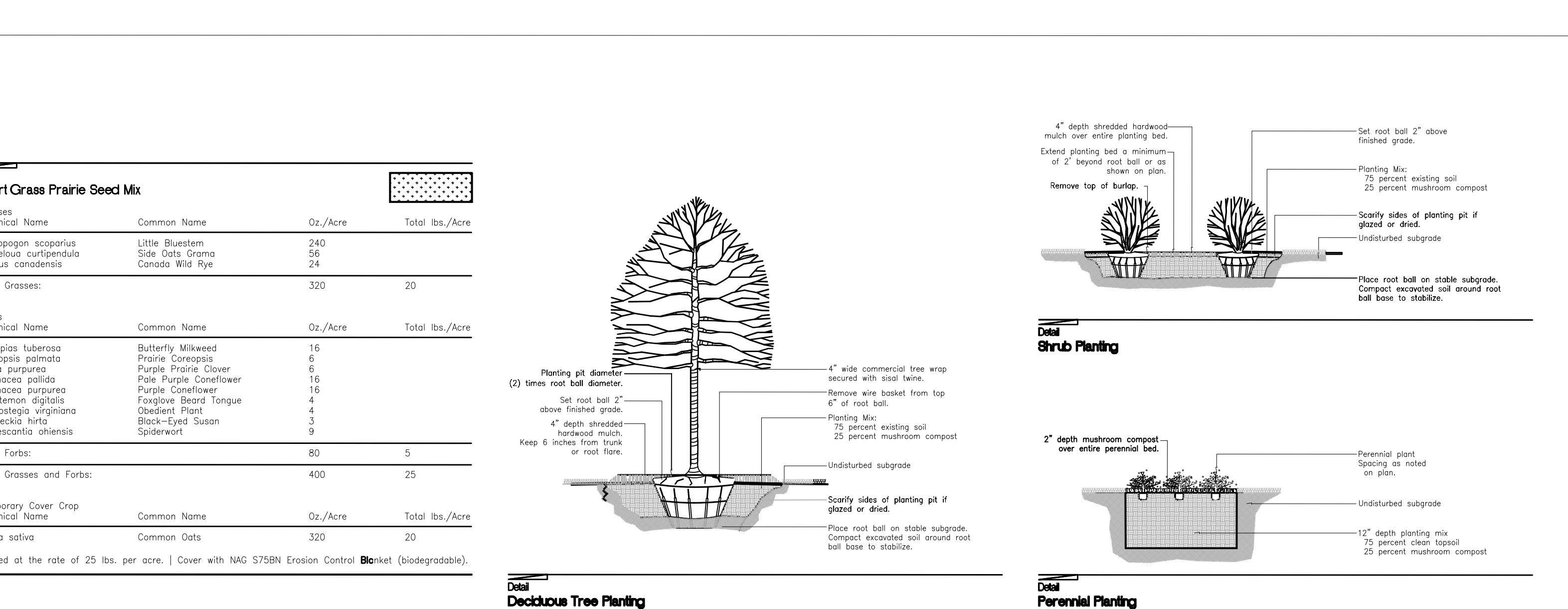
Required 14 Proposed 14 shade trees

Perimeter screen = 14 islands 6 shade trees (8 trees relocated to West Buffer)


Signage Landscape - Not Applicable

Stormwater Management Area Landscape - Not Applicable

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



5 PER VILLAGE COMMENTS 08.27.20	
4	Site Lighting Village Review 02.16.19
3	Per Village Comments 10.17.19
2	Per Village Comments 07.29.19
1	For Review 03.16.19
Mark	Description Date
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