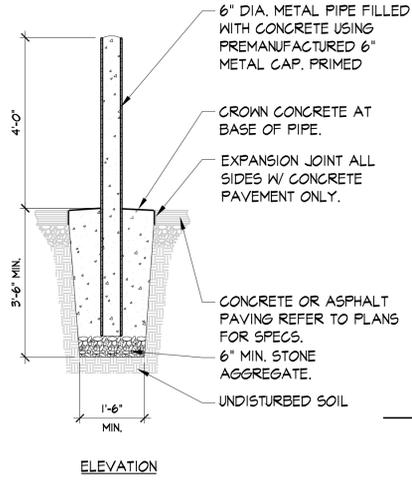
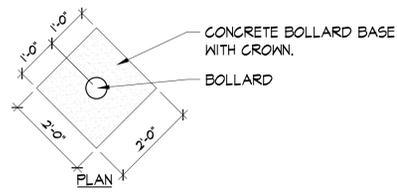
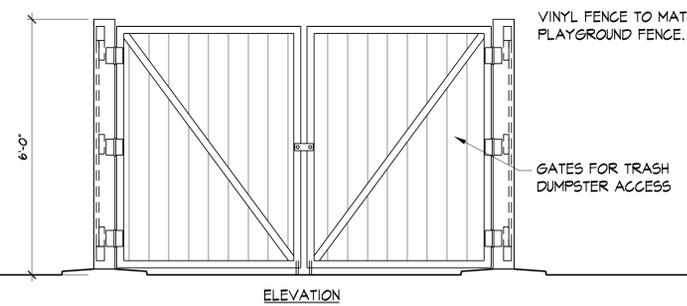


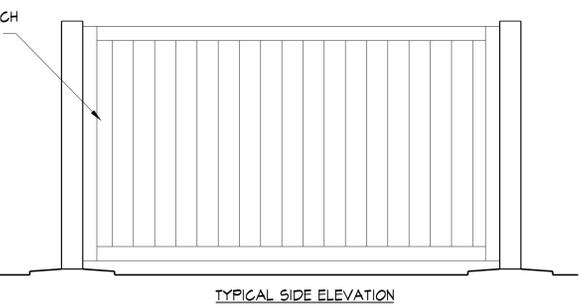
SITE / LANDSCAPE DATA	
DESCRIPTION	TOTALS
EX. SITE AREA A	47,931 SF.
PROPOSED SITE AREA A	52,212 SF.
PROPOSED BUILDING AREA	10,000 SF.
PROPOSED V.I.A.	17,813 SF.
PROPOSED LANDSCAPE AREA	15,626 SF. (29.5%)
PROPOSED PLAY AREA	5,000 SF. ±
PROPOSED PARKING	41 TOTAL
EX. SITE AREA B	48,515 SF.
PROPOSED SITE AREA B	43,514 SF.



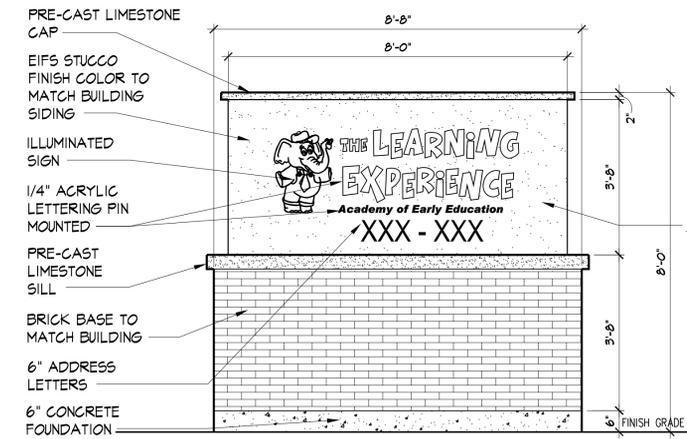
2 TYP. BOLLARD  
A01 SCALE: 1/2" = 1'-0"



3 FRONT VIEW TRASH ENCLOSURE  
A01 SCALE: 1/2" = 1'-0"



4 TYP. SIDE VIEW TRASH ENCLOSURE  
A01 SCALE: 1/2" = 1'-0"



5 MONUMENT SIGN ELEVATION  
A01 SCALE: 1/2" = 1'-0"

ARCHITECTURAL SITE PLAN  
SCALE: 1" = 20'-0"

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SORCE ARCHITECTURE  
3000 SALT CREEK AVE. STE. 102, ARLINGTON HEIGHTS, IL 60005 PHONE: 847.292.2000 FAX: 847.294.9172 WWW.SORCEARCHITECTURE.COM

LOT 8 & 9 PINE RIDGE PARK  
THE LEARNING EXPERIENCE  
2790 WEST MAIN STREET  
ST. CHARLES, ILLINOIS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

PROJECT # 13133  
DRAWN BY KL  
CHECKED BY RPS  
START DATE 12/19/2013  
SHEET TITLE ARCH. SITE PLAN  
SHEET NUMBER

A0.1



1 SOUTH ELEVATION (FACING WEST MAIN STREET RTE. 64)

A2.1 SCALE: 1/8" = 1'-0"



4" HARDIEPLANK SMOOTH LAP SIDING COLORPLUS NAVAJO BEIGE

6'-0" LEXINGTON VINYL PRIVACY FENCE AROUND PLAYGROUND AREA; COLOR WHITE

APPROX. 36 SF. INTERNALLY ILLUMINATED SIGN

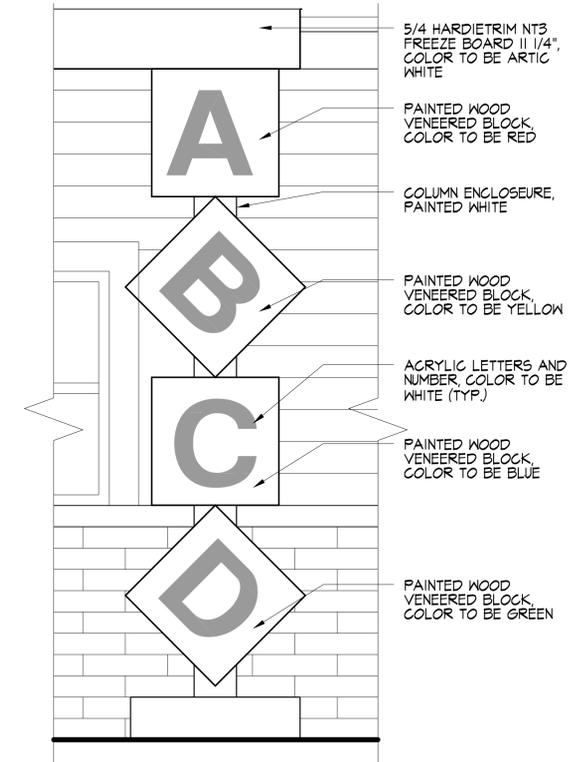
DECORATIVE ROUND LOUVER, COLOR TO BE WHITE (TYP.)

8X8 COLUMN WITH CUSTOMIZED PATTERN COLUMN WRAPPING, SEE DETAIL 5/A-2.1

EXTERIOR LIGHT FIXTURE, COLOR TO BE WHITE (TYP.)

5 COLUMN DETAIL

A2.1 SCALE: 3/4" = 1'-0"



5/4 HARDIETRIM NT3 FREEZE BOARD 1 1/4", COLOR TO BE ARTIC WHITE

PAINTED WOOD VENEERED BLOCK, COLOR TO BE RED

COLUMN ENCLOSEURE, PAINTED WHITE

PAINTED WOOD VENEERED BLOCK, COLOR TO BE YELLOW

ACRYLIC LETTERS AND NUMBER, COLOR TO BE WHITE (TYP.)

PAINTED WOOD VENEERED BLOCK, COLOR TO BE BLUE

PAINTED WOOD VENEERED BLOCK, COLOR TO BE GREEN



GAF SHINGLE ROOFING MODEL TYPE: TIMBERLINE HD BISCAYNE BLUE (TYP.)

6" HARDIEPLANK LAP SIDING COLORPLUS NAVAJO BEIGE (TYP.)

BRICK BASE COLOR; TRADITIONAL RED (TYP.)

4'-0" VINYL PRIVACY FENCE; COLOR WHITE

METAL DOOR WITH TEMPERED GLASS, COLOR TO BE WHITE

HUDSON AWNING FLAME RETARDANT FABRIC; COLOR TO BE FERRARI 502-2161 BLUE (TYP.)

STL. COLUMN WRAPPED WITH SQUARE VINYL PVC TUBE NON-TAPERED (TYP.)

T/ROOF +126'-5"

BUILDING OVERHANG +110'-0"

T/FINISHED FLOOR +100'-0"

2 EAST ELEVATION

A2.1 SCALE: 1/8" = 1'-0"

3 WEST ELEVATION

A2.1 SCALE: 1/8" = 1'-0"



2-PANEL METAL FRAME AND DOOR; COLOR TO BE WHITE (TYP.)

STOREFRONT METAL FRAME WINDOW; COLOR TO BE WHITE (TYP.)

AZEK WINDOW AND DOOR TRIM; COLOR TO BE WHITE (TYP.)

PRE CAST LIMESTONE STONE SILL (TYP.)

FENCE NOT SHOWN FOR CLARITY

4 NORTH ELEVATION (FACING WOODWARD DRIVE)

A2.1 SCALE: 1/8" = 1'-0"

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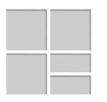
LOT 8 & 9 PINE RIDGE PARK  
THE LEARNING EXPERIENCE  
2790 WEST MAIN STREET  
ST. CHARLES, ILLINOIS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02.12.14	KL	REVISED PER STAFF COMMENTS
2	01.29.14	GL	REV. PLAN COMMISSION SUBMITTAL

PROJECT # 13133  
DRAWN BY RPL  
CHECKED BY KLS  
START DATE 12.14.2013  
SHEET TITLE PROPOSED EXT. ELEV.  
SHEET NUMBER

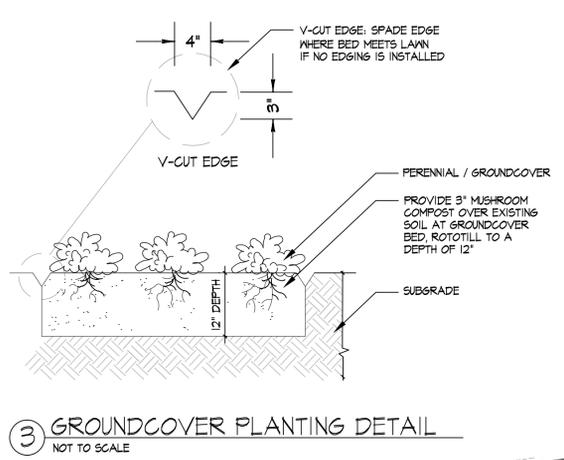
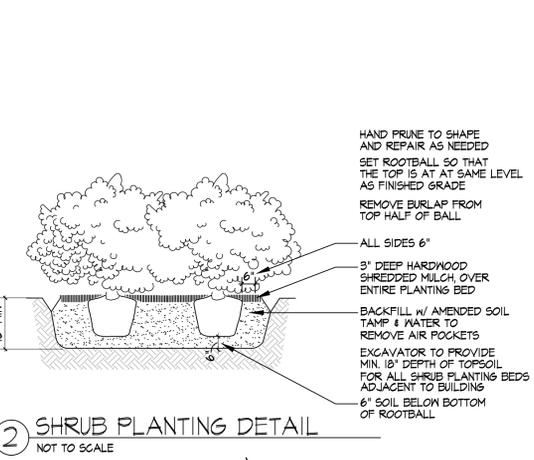
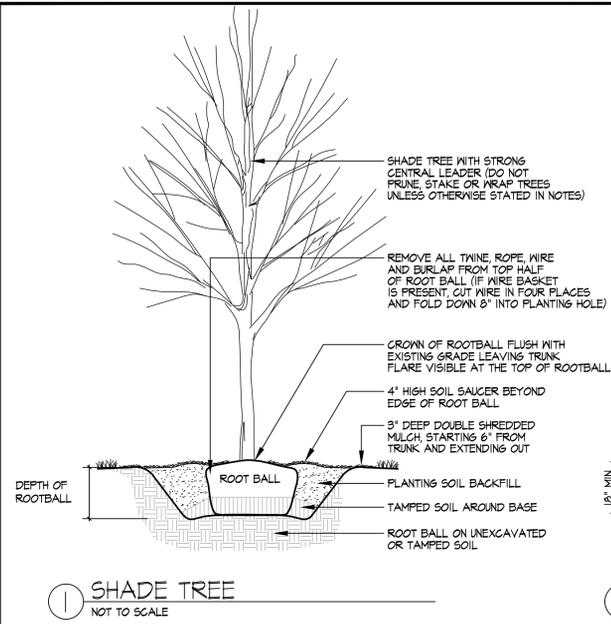
A2.1

SORCE ARCHITECTURE



300 SALT CREEK LN, STE 102, ARLINGTON HEIGHTS, IL 60005 PHONE: 847.302.2000 FAX: 847.304.9072 WWW.SORCEARCHITECTURE.COM

EXPIRES 11/2014



**PLANT LIST:**

Trees	Sum	Botanic Name	Common Name	Qty	Size	Remarks
	SS	Acer miyabei Morton	State Street Miyabe Maple	8	2 1/2" cal	Specimen, symmetrical, branched at 6' above ground
	HL	Gleditsia triacanthos Skyline	Skyline Honey Locust	3	2 1/2" cal	Specimen, symmetrical, branched at 6' above ground
	CP	Furus calleryana Chanticleer	Chanticleer Pear	5	2 1/2" cal	Specimen, symmetrical, branched at 6' above ground
	BC	Taxodium distichum Shawnee Brave	Shawnee Brave Bald Cypress	7	2 1/2" cal	Specimen, symmetrical, branched at 6' above ground
Shrubs		Buxus macrophylla Green Mountain	Green Mountain Boxwood	21	30" ht	Specimen, symmetrical, full branching to ground
		Buxus macrophylla Green Velvet	Green Velvet Boxwood	16	18" w	Specimen, symmetrical, full branching to ground
		Diervilla sessilifolia Butterfly	Southern Bush Honey-suckle	43	36"	Specimen, full branching to ground
		Forsythia Minor	Shon Off Forsythia	30	24"	Full branching to ground
		Fothergilla gardenii	Dwarf Fothergilla	15	24"	Full branching to ground
		Hydrangea arborescens Abetna Incredible	Incredible Hydrangea	12	36"	Full branching to ground, symmetrical
		Juniperus chinensis Daub's Frosted	Daub's Frosted Juniper	24	24"	Specimen, full branching to ground
		Rhus aromatica Grow-Low	Grow-Low Sumac	168	36"	Full branching to ground
		Rosa rugosa Frau Dagmar Hastrup	Frau Dagmar Hastrup Rose	16	24"	Full branching to ground, symmetrical
		Spiraea bumalda Goldflame	Goldflame Spirea	71	24"	Full branching to ground
		Syringa meyeri Palibin	Dwarf Korean Lilac	31	24"	Full branching to ground, Prune after flowers in spring
		Thuja occidentalis Holmstrup	Holmstrup Arborvitae	8	4' ht	Specimen, full branching to ground
		Thuja occidentalis Smaragd	Emerald Green Arborvitae	15	4' ht	Specimen, full branching to ground
Grasses		Calamagrostis acutiflora Karl Forester	Feather Reed Grass	51	1 gal	Cut to ground in March/April
		Deschampsia cespitosa 'Goldtau'	Gold Den Tufted Hair Grass	14	1 gal	Cut to ground in March/April
		Sporobolus heterolepis	Prairie Dropseed	69	1 gal	Cut to ground in March/April
Perennials		Leucanthemum x superbum 'Banana Cream'	Banana Daisy	12	1 gal	Plant 24" on center
		Sedum spectabile Autumn Joy	Autumn Joy Sedum	20	1 gal	Plant 18" on center
		Sedum reflexum Angelina	Angelina Sedum	16	Flats	24/Flat Plant 12" on center

**GENERAL NOTES:**

- Contractor shall follow and conform to the city of St Charles, IL building codes.
- Determine and verify exact locations of all underground utilities in the field before work begins. Call JULIE 1-800-842-0123 (48 hours) before you dig, excluding Sat., Sun. and holidays.
- Landscape Architect not responsible for installation permits unless otherwise noted.
- Site, walk, and parking shall be kept clean at all times and shall be thoroughly cleaned at the end of each working day.
- Plants and other materials are quantified and summarized for the convenience of the owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn.
- Plant Material: The requirements for measurements, branching and ball size shall conform to the Code of Standards (2601-1980) by "The American Association of Nurserymen, Inc.". All plants shall be nursery grown and either balled and burlapped or container grown.
- Plant Installation: Set plant material in the planting pit to proper grade and alignment. Set plants upright, plumb, and face to give the best appearance or relationship to each other or adjacent structure. Do not fill around trunks or stems. Do not use frozen or muddy mixture for backfilling. Supply a minimum of 12" of soil mix on all sides of rootballs for trees and shrubs unless otherwise noted. Plant groundcover and perennials and tamp down soil around pot so pot does not heave in frost. Water in before applying mulch. Do not cover foliage with mulch.
- Trees shall be installed a minimum of five feet horizontally from sanitary sewers, sanitary services, water mains, and from water services. Trees shall be installed a minimum of ten feet horizontally from utility structures and appurtenances, including but not limited to manholes, valve vaults, valve boxes, and fire hydrants.
- Mulch: Provide 3" loose measure of mulch throughout all planting areas including groundcover beds. Type of mulch TBD by owner.
- Seed: Supply and install new Hydroseeding with mat, Kentucky Bluegrass blend, on a minimum 4" depth rolled, fine graded, pulverized topsoil (12" total). Topsoil to be supplied, placed, and graded by general contractor.
- Spade edge where planting bed meets lawn if no edging is installed.
- For all hardscape and location of all existing and proposed utilities and easements, see engineering drawings.
- Upon completion of all landscape work, the LC shall notify the owner for approval and acceptance. LC shall guarantee all work and plant material for a minimum of one year, after acceptance by the owner, of completed landscape work.

**VILLAGE REQUIREMENTS:**

**PUBLIC FRONTAGE AT ROUTE 64**

184.9 LF OF PUBLIC FRONTAGE  
REQUIRED EVERY 40 LF: 1 SHADE TREE, 2 ORN/EVERGRN TREE, 10 SHRUBS (3' o.c.)

	REQUIRED	PROPOSED
SHADE TREE, 2 1/2" CAL	5	5
ORN/ML/EVERGRN TREE, 6' HT	4	0*
SHRUBS, 24" HT	46	46

**PUBLIC FRONTAGE AT NORTH FRONTAGE ROAD**

284.9 LF OF PUBLIC FRONTAGE  
REQUIRED EVERY 40 LF: 1 SHADE TREE, 2 ORN/EVERGRN TREE, 10 SHRUBS (3' o.c.)

	REQUIRED	PROPOSED
SHADE TREE, 2 1/2" CAL	7	7
ORN/ML/EVERGRN TREE, 6' HT	14	28 (4' ht Arborvitae)
SHRUBS, 24" HT	71	71

**PARKING LOT**

REQUIRED: 10% PARKING LOT AREA LANDSCAPED WITH 1 TREE PER 160 SF LANDSCAPING AREA

	REQUIRED	PROPOSED
SHADE TREE, 2 1/2" CAL	4	4
PARKING LOT SCREENING	50%	50%

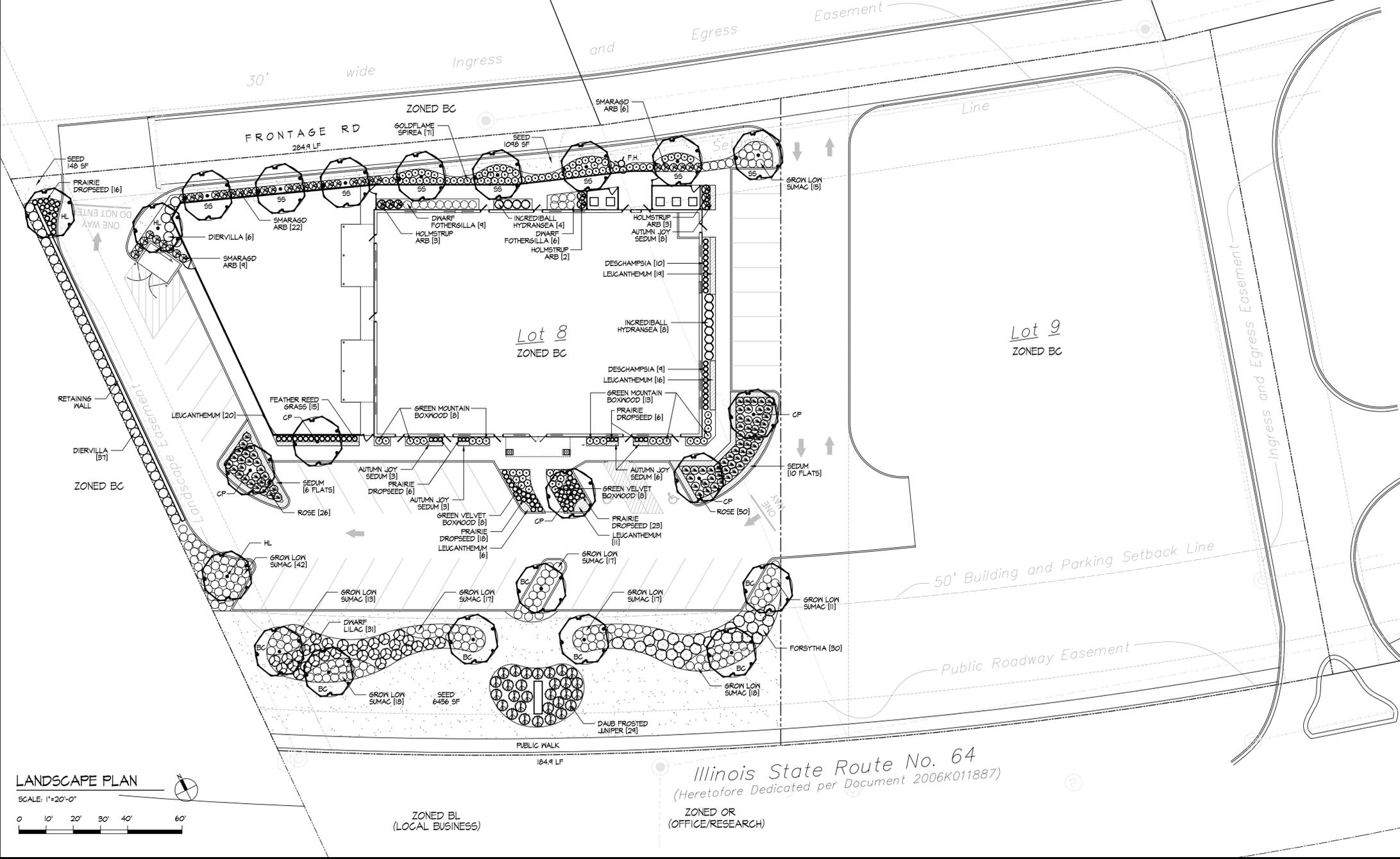
**FOUNDATION PLANTING**

408.3 LF BUILDING WALL (1 PLANT UNIT PER 50 FT)  
REQUIRED: 8 PLANT UNITS (PLANT UNIT = 2 SHADE/EVERGRN/ORNAMENTAL TREES, 20 SHRUBS)

	REQUIRED	PROPOSED
TREES, 2 1/2" CAL OR 6' HT	16	2*
SHRUBS/PERENNIALS	160	160

\* SUBSTITUTIONS FOR REQUIREMENTS DUE TO SITE RESTRICTIONS:

311 SHRUBS SUBSTITUTED FOR 23 ORNAMENTAL/EVERGREEN TREES (COST VALUE EQUAL)



**LANDSCAPE PLAN**  
SCALE: 1"=20'-0"

Illinois State Route No. 64  
(Heretofore Dedicated per Document 2006K011887)  
ZONED OR (OFFICE/RESEARCH)

ZONED BL (LOCAL BUSINESS)

**PAMELA Self**  
Landscape Architecture

One Anne Court  
Hawthorn Woods  
Illinois • 60047  
ph: 847.438.4422  
fx: 847.438.5944

Project:  
**LEARNING EXPERIENCE**  
2740 WEST MAIN ST  
ST CHARLES, IL

Title:  
**LANDSCAPE PLAN**

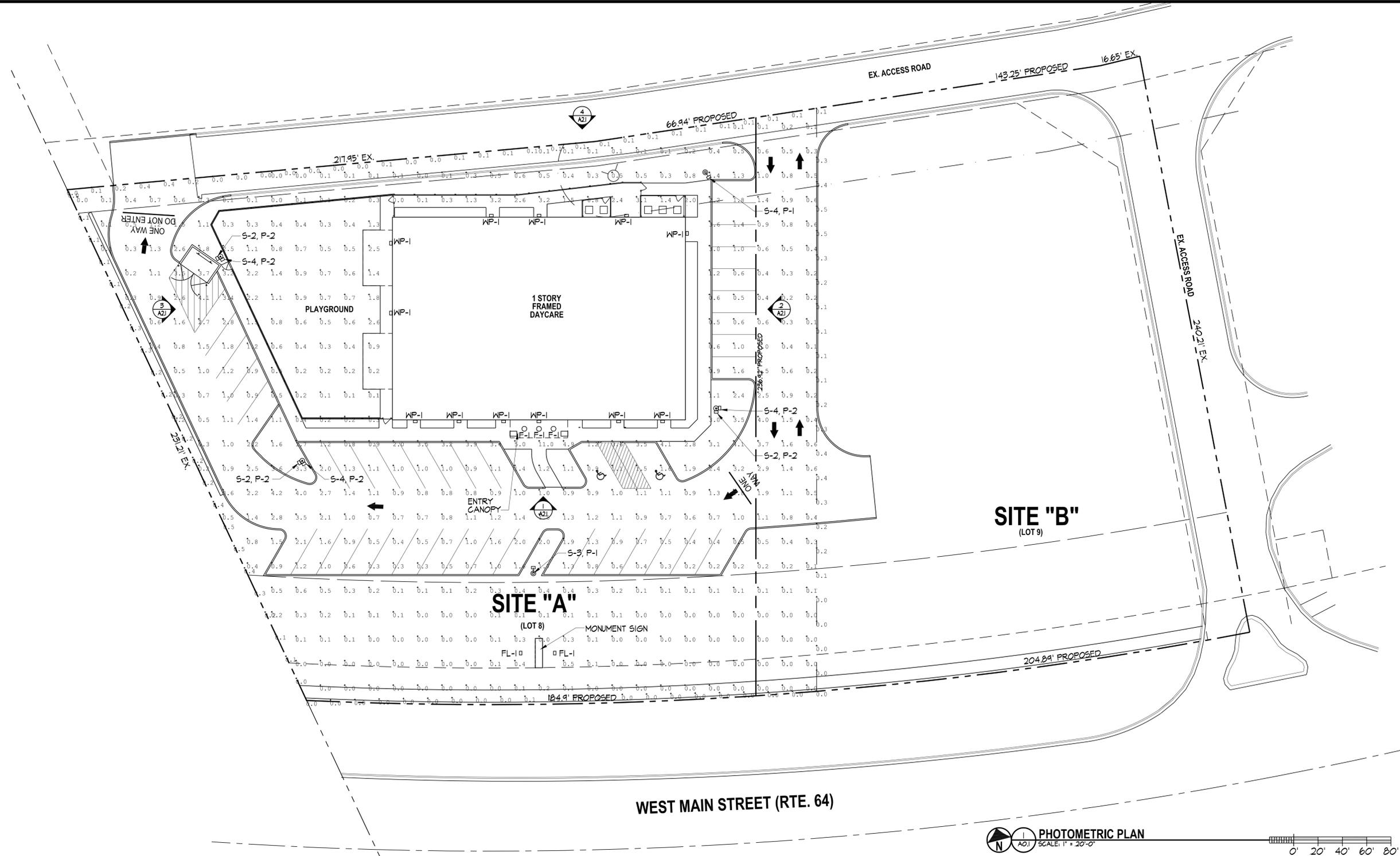
REVISIONS:

no.	date	issue
1	11/24/14	SUBMITTAL

Start Date: 1/21/2014  
design: PKS  
drawn by: JRA  
sheet: 1 of 1



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**PHOTOMETRIC PLAN**  
SCALE: 1" = 20'-0"



Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	Description
⊙	3	F-1	SINGLE	84	1907	0.540	Liton #LFH8226UE/LR862C-LR852C
⊠	3	S-2	SINGLE	79.2	4988	0.894	Eye Lighting #A-L645-27-UY-XT-XEX (Provide 90 deg tenon mount as req)
⊠	1	S-3	SINGLE	79.2	4864	0.894	Eye Lighting #A-L645-37-UY-XT-XEX
⊠	4	S-4	SINGLE	80.5	4538	0.894	Eye Lighting #A-L645-47-UY-XT-XEX (Provide 90 deg tenon mount as req)
⊙	2	P-1	SINGLE				LytePoles #401-4011-16-HB
⊠	3	P-2	DOUBLE				LytePoles #401-4011-16-HB (Provide 90 deg tenon mount with fixtures as req)
⊠	12	WP-1	SINGLE	75.2	2862	0.540	Spaulding #LMC-84F-LP84-8-4-2EM12
⊠	2	FL-1	SINGLE	70	3548	0.612	Kim #AFL13-70PMH(VOLT)-DB-BDDB-JBR21

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
East Property Line Calc Pts	ILLUMINANCE	Fc	0.21	0.5	0.0	N.A.	N.A.
Full Site CalcPts_1	ILLUMINANCE	Fc	0.89	11.0	0.0	N.A.	N.A.
North Property Line CalcPts	ILLUMINANCE	Fc	0.09	0.4	0.0	N.A.	N.A.
Sign_Side_3	ILLUMINANCE	Fc	9.92	13.3	6.0	1.65	2.22
South Property Line Calc Pts_1	ILLUMINANCE	Fc	0.01	0.1	0.0	N.A.	N.A.
West Property Line Calc Pts	ILLUMINANCE	Fc	0.20	0.5	0.0	N.A.	N.A.

Label	Area	Total Watts	LPD
LPDArea	58466	1933.199	0.033

**SORCE ARCHITECTURE**  
300 SALT CREEK LN. STE. 102, ARLINGTON HEIGHTS, IL 60005  
PHONE: 847.292.2000 FAX: 847.294.9972 WWW.SORCEARCHITECTURE.COM

**LOT 8 & 9 PINE RIDGE PARK**  
**THE LEARNING EXPERIENCE**  
**2790 WEST MAIN STREET**  
**ST. CHARLES, ILLINOIS**

REV. NO.	DESCRIPTION	DATE

PROJECT # 13135  
DRAWN BY KL  
CHECKED BY RPS  
START DATE 12/19/2013  
SHEET TITLE PHOTOMETRIC PLAN  
SHEET NUMBER

**PH.1**

FINAL ENGINEERING FOR:  
***THE LEARNING EXPERIENCE***  
 LOTS 8 & 9, PINE RIDGE PARK,  
 CITY OF ST. CHARLES, ILLINOIS  
 EARTHWORK, DRAINAGE, STORM SEWER  
 PAVING & EROSION CONTROL

2014

**OWNER/DEVELOPER**

IMDC-SC LLC  
 2900 MIDWEST BLVD  
 OAKBROOK, IL 60523  
 (630) 218-5773 (630) 954-5665 fax

**ARCHITECT**

SORCE ARCHITECTURE  
 3030 SALT CREEK LN, SUITE 122  
 ARLINGTON HEIGHTS, IL 60005  
 (847) 392-2600 (847) 394-4972 fax

**NOTES:**

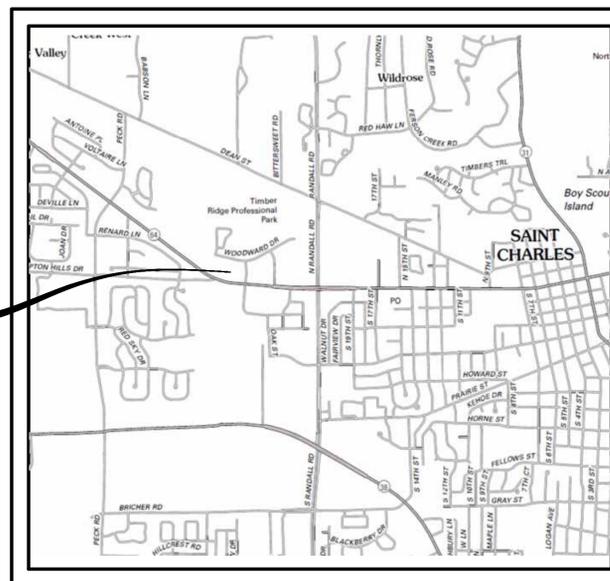
EXISTING BOUNDARY & TOPOGRAPHIC SURVEY PROVIDED BY  
 JOHNSON-WESTERN SURVEYING, L.L.C.

**BENCHMARKS:**

**SHEET INDEX**

- 1.) TITLE SHEET
- 2.) GENERAL NOTES & SPECIFICATIONS
- 3.) EXISTING CONDITIONS
- 4.) SITE PLAN
- 5.) UTILITY PLAN
- 6.) GRADING & DRAINAGE PLAN
- 7.) EROSION & SEDIMENT CONTROL PLAN
- 8.) EROSION & SEDIMENT CONTROL DETAILS
- 9.) CONSTRUCTION DETAILS
- 10.) CONSTRUCTION DETAILS
- 11.) CONSTRUCTION DETAILS

SITE LOCATION



LOCATION MAP

NOT TO SCALE

FOR REVIEW PURPOSES ONLY  
 NOT FOR CONSTRUCTION



**PROFESSIONAL ENGINEER'S CERTIFICATE**

STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF KANE )

I, JOHN B. SPENADER, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS TECHNICAL SUBMISSION WAS PREPARED ON BEHALF OF IMDC-SC LLC, BY SILVER EDGE CONSULTANTS LLC UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND CONTRACT DOCUMENTS.

DATED THIS \_\_\_ DAY OF \_\_\_\_\_, A.D. 2014

ILLINOIS LICENSED PROFESSIONAL ENGINEER No. 062-032151  
 MY LICENSE EXPIRES ON NOVEMBER 30, 2015

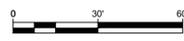
IMDC-SC LLC  
 2900 MIDWEST BLVD  
 OAKBROOK, IL 60523  
 (630) 218-5773 (630) 954-5665 fax

REVISIONS					
NUMBER	DATE	DESCRIPTION	NUMBER	DATE	DESCRIPTION

**SILVER EDGE CONSULTANTS LLC**  
 215 FULTON STREET  
 GENEVA, ILLINOIS 60134  
 (630) 800-4801  
 Illinois Professional Design Firm No. 184-005641  
 COPYRIGHT © 2014, SILVER EDGE CONSULTANTS LLC

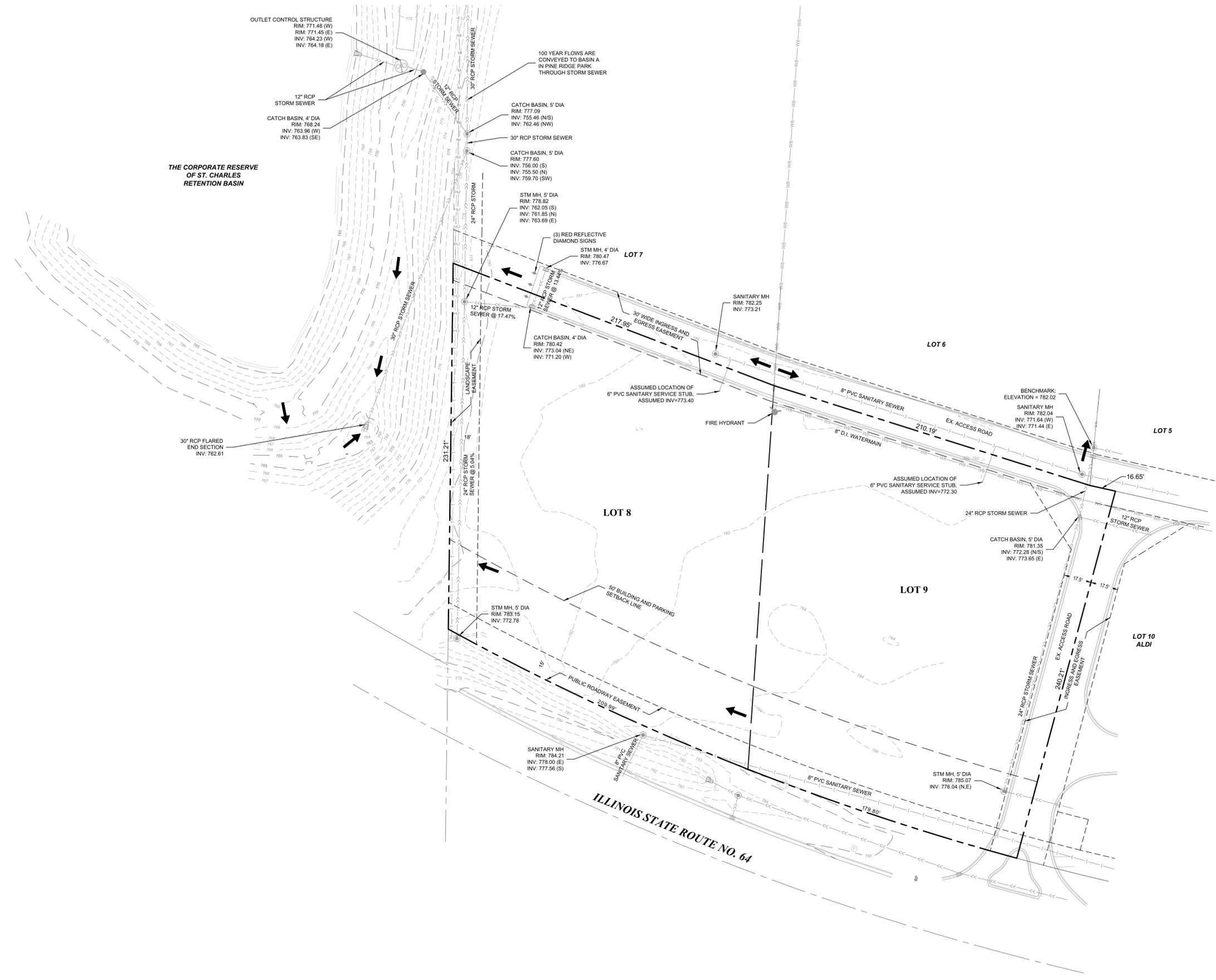
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 DRAWN BY: DGW  
 DATE: 1/24/2014





**LEGEND**

- BOUNDARY LINE
- - - EASEMENT LINE
- - - SETBACK LINE
- - - CONTOUR LINE
- STORM SEWER
- SANITARY SEWER
- WATERMAIN
- ELECTRIC
- CABLE TV
- TELEPHONE
- SANITARY MANHOLE
- FIRE HYDRANT
- STORM CURB STRUCTURE
- STORM MANHOLE
- FLARED END SECTION
- PHONE PEDESTAL
- TELEPHONE MANHOLE
- OVERLAND FLOOD ROUTE



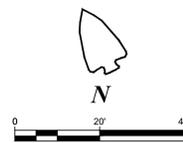
PREPARED FOR:  
**IMDC-SC LLC**  
2900 MIDWEST BLVD  
OAKBROOK, IL 60523  
(630) 218-5773 (630) 954-5665 fax

PREPARED BY:  
**SILVER EDGE CONSULTANTS LLC**  
215 FULTON STREET  
GENEVA, ILLINOIS 60134  
(630) 800-4801  
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		REVISIONS			
NUMBER	DATE	NUMBER	DATE	DESCRIPTION	DESCRIPTION

<b>THE LEARNING EXPERIENCE - EXISTING CONDITIONS</b>			
<b>LOTS 8 &amp; 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS</b>			
FILE NAME: 3_EX COND	DESIGN BY: JBS	JOB NO.: 116.001	XREF: OVERALL
DIRECTORY: CAD\14116001	DRAWN BY: DGW	DATE: 12/4/2014	SCALE: 1" = 30'
			SHEET 3 OF 11

FILE NAME: C:\Users\jbs\Documents\14116001\14116001.dwg, DATE PLOTTED: 12/29/14 10:52 AM



**LEGEND**

- BOUNDARY LINE
- - - EASEMENT LINE
- - - - - PARKING / BUILDING SETBACK LINE
- x - x - x - x - PROPOSED FENCE
- PROPOSED SIGN
- TRAFFIC FLOW ARROW
- ▨ CONCRETE PAVEMENT
- ▨ LIGHT DUTY ASPHALT PAVEMENT
- ▨ HEAVY DUTY ASPHALT PAVEMENT

**NOTE:**

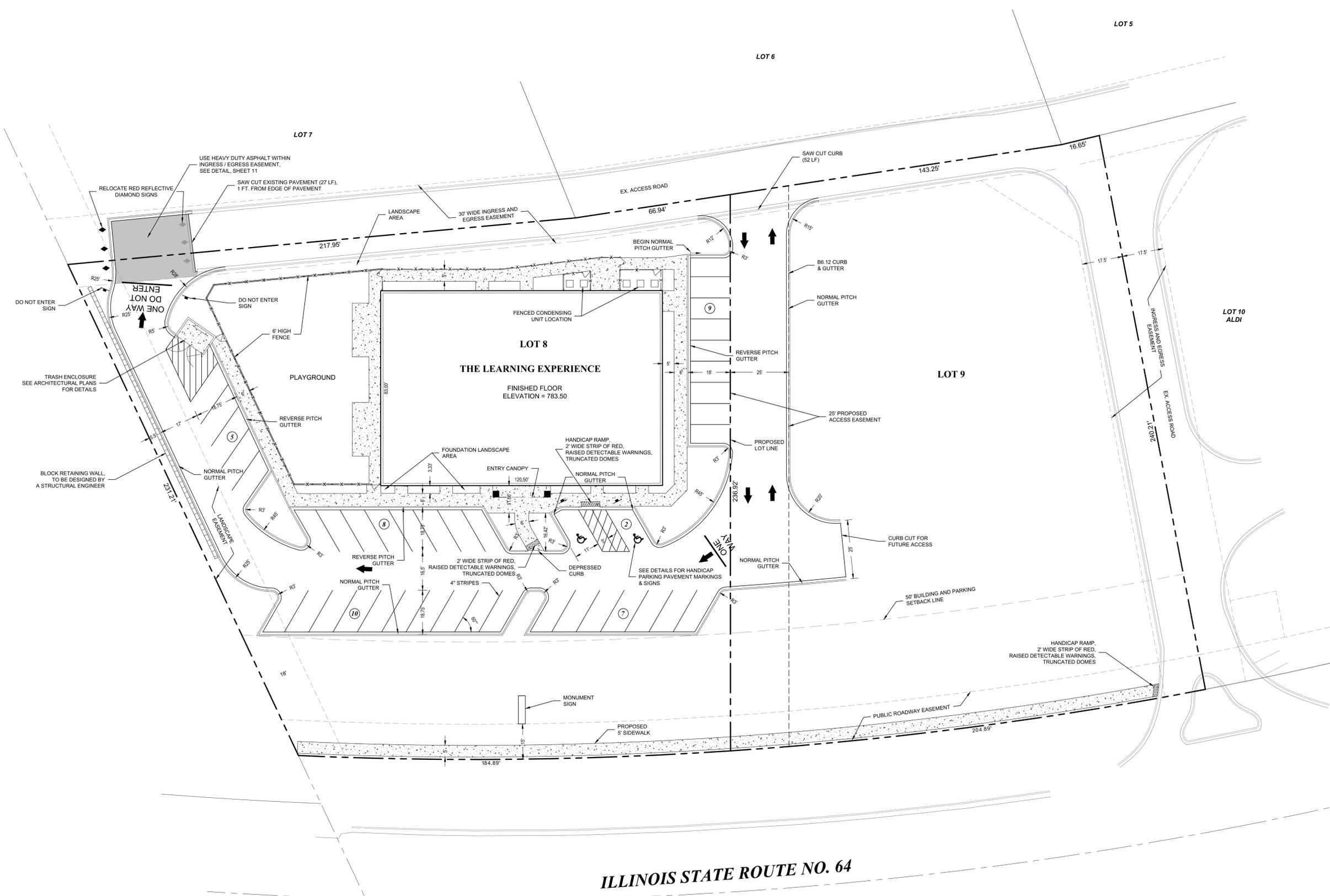
1. DIMENSIONS ARE SHOWN TO FACE OF CURB.
2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

**SITE DATA SUMMARY**

SITE AREA:	±1.214 AC (52,872 SF)
PROPOSED BUILDING AREA:	±10,000 SF
BUILDING COVERAGE:	18.9%
LANDSCAPE AREA:	15,626 SF (29.5%)
INTERIOR PARKING LOT AREA:	21,005 SF
INTERIOR LANDSCAPING:	2,424 SF (11.5%)

**PARKING SUMMARY**

39	REGULAR SPACES
2	HANDICAPPED SPACES
41	TOTAL SPACES PROVIDED



**ILLINOIS STATE ROUTE NO. 64**

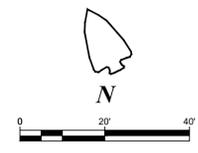
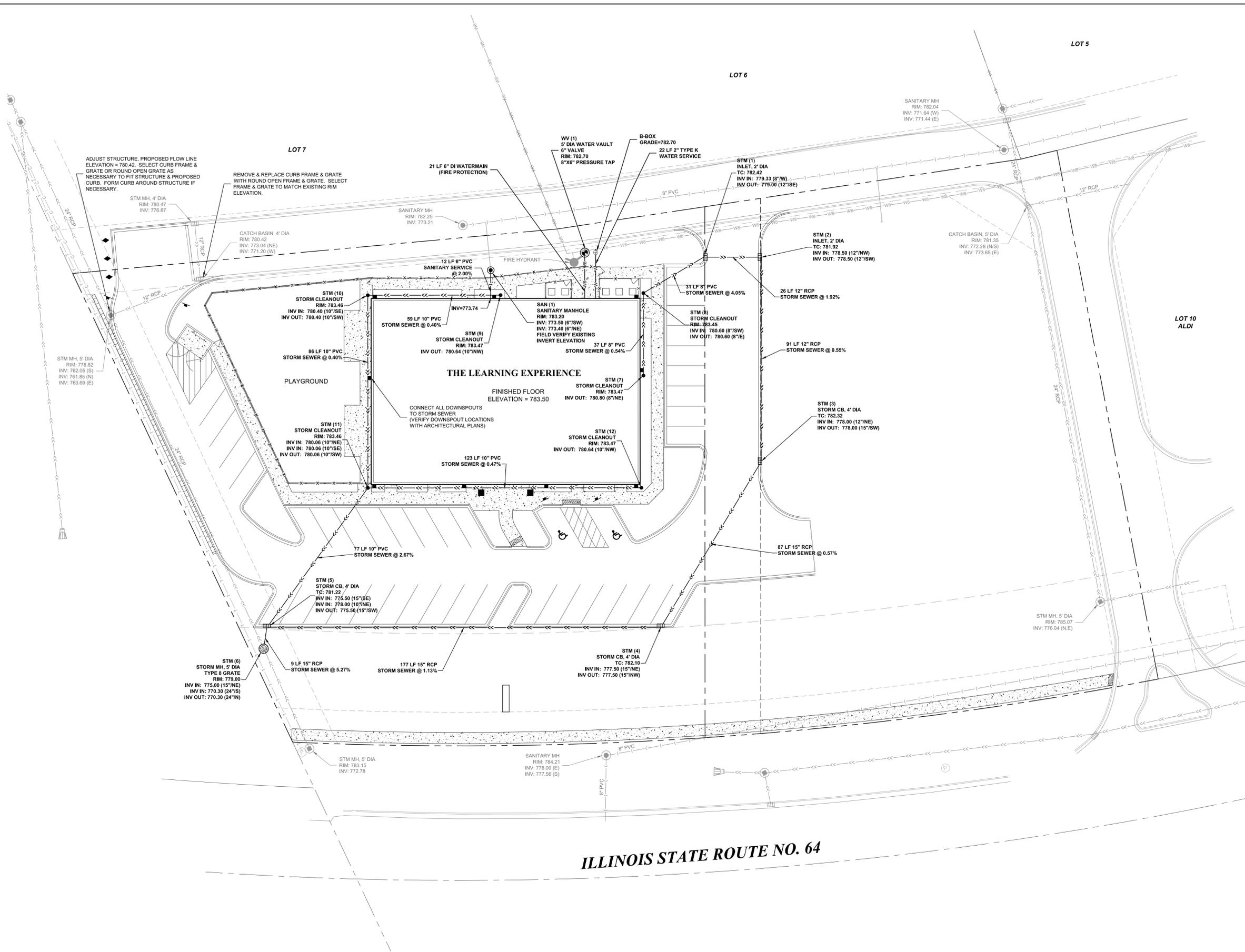
PREPARED FOR:  
**IMDC-SC LLC**  
 2900 MIDWEST BLVD  
 OAKBROOK, IL 60523  
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NUMBER	DATE	NUMBER	DATE	DESCRIPTION	DESCRIPTION

<b>THE LEARNING EXPERIENCE - SITE PLAN</b>			
LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS			
FILE NAME: 4_SITE PLAN	DESIGN BY: JBS	JOB. NO.: 116.001	XREF: OVERALL
DIRECTORY: CAD\14\116001	DRAWN BY: DGW	DATE: 1/24/2014	SCALE: 1" = 20'
			SHEET 4 OF 11

FILE NAME: C:\Users\jbs\Documents\116001\116001.dwg, DATE PLOTTED: 1/23/2014 10:37 AM



EXISTING	LEGEND	PROPOSED
---	BOUNDARY LINE	---
---	STORM SEWER	---
---	SANITARY SEWER	---
---	WATERMAIN	---
---	ELECTRIC	---
---	GAS	---
---	TELEPHONE	---
---	OVERHEAD WIRE	---
○	SANITARY MANHOLE	○
○	SANITARY CLEANOUT	○
○	STORM MANHOLE, CLOSED LID	○
○	STORM MANHOLE, OPEN LID	○
○	STORM CATCH BASIN, CLOSED LID	○
○	STORM CATCH BASIN, OPEN LID	○
○	STORM INLET, OPEN LID	○
○	STORM CURB STRUCTURE	○
○	STORM CLEANOUT	○
○	RCP FES SECTION W / GRATE	○
○	WATER VALVE & VAULT	○
○	WATER VALVE	○
○	FIRE HYDRANT & AUXILIARY VALVE	○
○	B-BOX	○
○	UTILITY POLE	○

- UTILITY NOTES**
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES SHOWN ARE APPROXIMATE AND THOSE SHOWN ARE NOT NECESSARILY ALL OF THE EXISTING UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION, AND SIZE OF ALL UTILITIES AND UNDERGROUND STRUCTURES AND REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
  - ALL UTILITY AND SERVICE TRENCHES UNDER OR WITHIN (3) FEET OF PAVED SURFACES SHALL BE BACKFILLED WITH TRENCH BACKFILL, AS INDICATED ON THE TYPICAL TRENCH SECTION.
  - ALL EXISTING STRUCTURE RIMS SHALL BE ADJUSTED TO MATCH PROPOSED GRADES.
  - ALL SANITARY & SANITARY SEWER SERVICES SHALL BE PVC SDR-26 PIPE CONFORMING TO ASTM D-2241-86 WITH ELASTOMERIC JOINTS PER ASTM D-3212.
  - ALL WATER MAIN SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 CONFORMING TO AWWA C-151 WITH PUSH-ON OR MECHANICAL JOINTS AND SHALL HAVE A MINIMUM OF 5.0 FEET OF COVER. BRASS WEDGES SHALL BE USED AT ALL JOINTS ALONG WITH POLYWRAP, PER CITY REQUIREMENT.
  - RCP STORM SEWER SHALL CONFORM TO ASTM C 76, CLASS IV, WITH JOINTS CONFORMING TO ASTM C-443.
  - PVC STORM SEWER SHALL BE SDR-26 MIN. AND OF WATERMAIN QUALITY CONFORMING TO ASTM D-2241 WITH ASTM D-3139 JOINTS.
  - ALL UTILITY LINES SHALL BE A MINIMUM 5 FT. FROM B-BOXES AND FIRE HYDRANTS.

**FRAMES & GRATES**  
(UNLESS NOTED OTHERWISE)

WATER & SANITARY:	NEENAH R-1713 (SEE STANDARD COVER DETAIL)
TYPE 8 GRATE:	NEENAH R-4340-B OR EQUAL
CURB INLET FRAME & GRATE:	NEENAH R-3281-A OR EQUAL

**ILLINOIS STATE ROUTE NO. 64**

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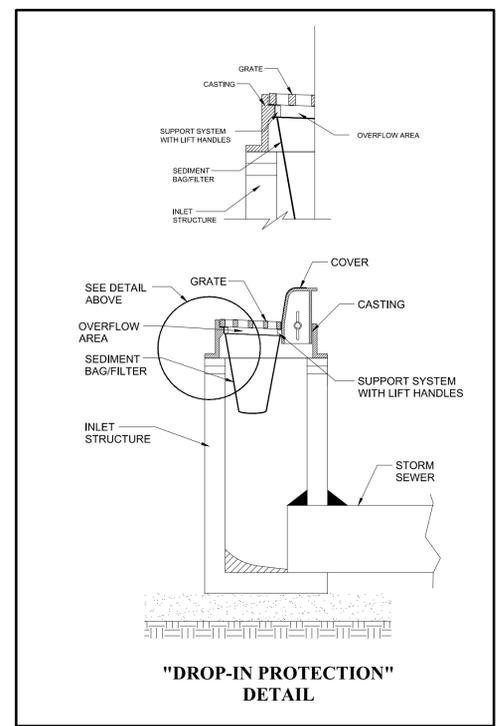
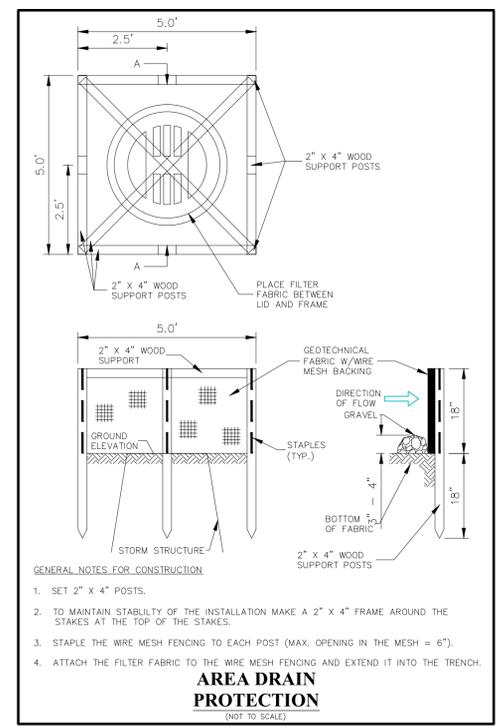
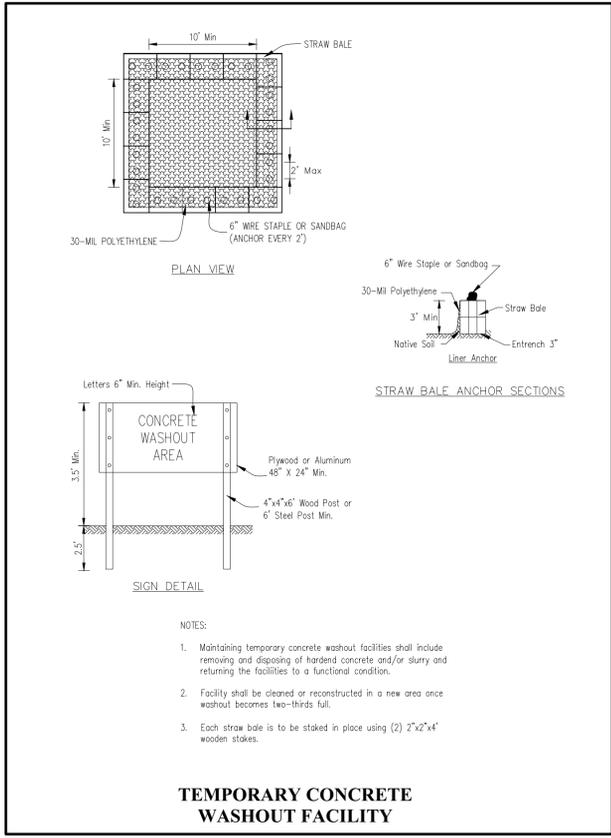
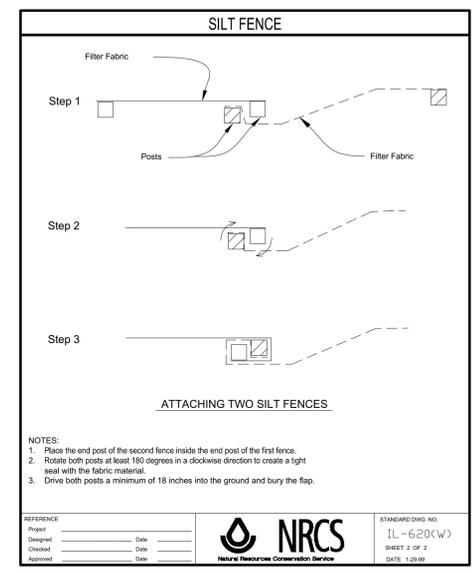
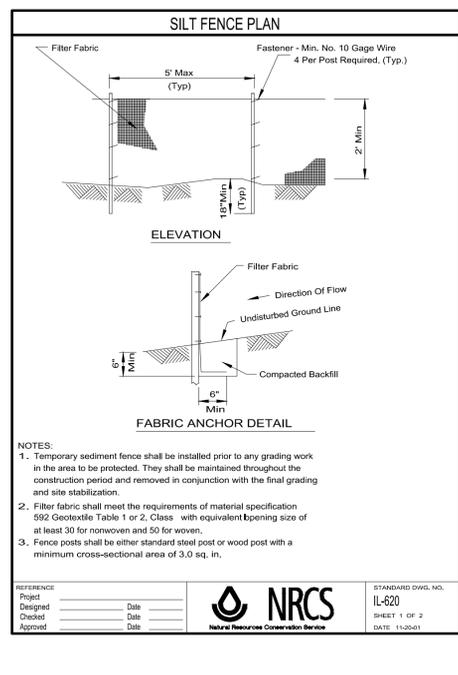
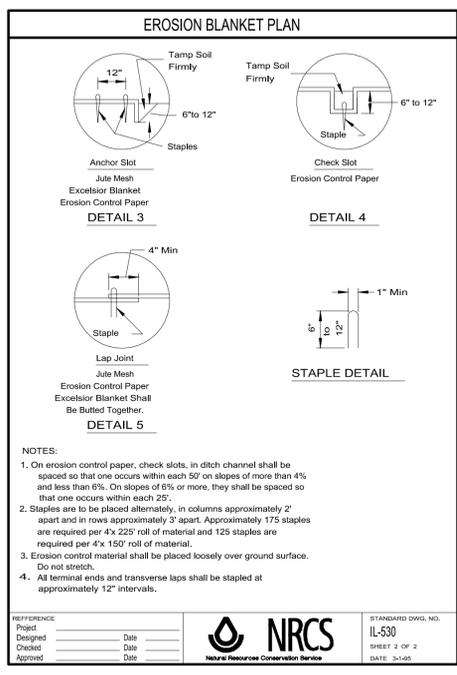
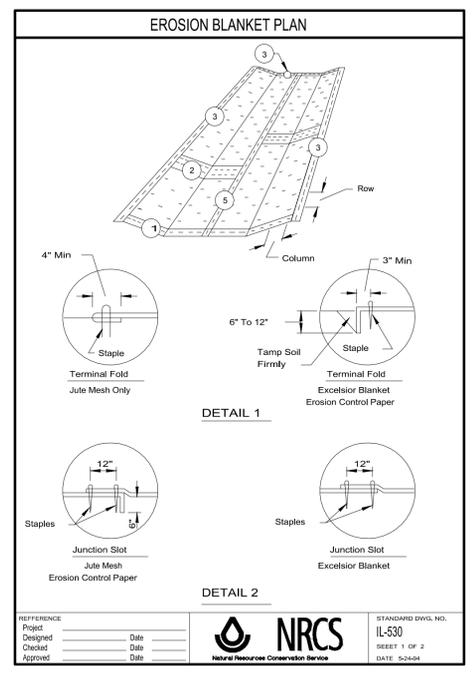
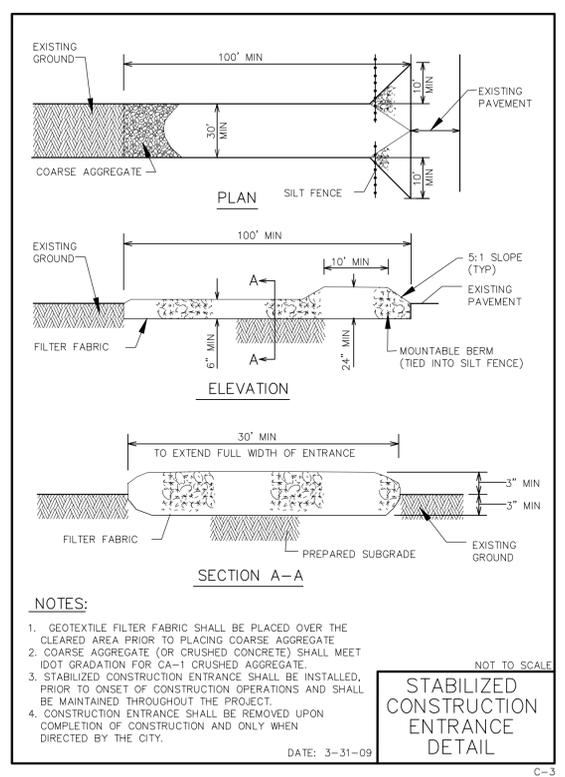
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<b>THE LEARNING EXPERIENCE - UTILITY PLAN</b>			
LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS			
FILE NAME: 5_UTILITY	DESIGN BY: JBS	JOB NO.: 116.001	XREF: OVERALL
DIRECTORY: CAD\14116001	DRAWN BY: DGW	DATE: 12/24/2014	SCALE: 1" = 20'
			SHEET 5 OF 11







STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A									
DORMANT SEEDING	B											B
TEMPORARY SEEDING			C			D						
SODDING			E**									
MULCHING	F											

A KENTUCKY BLUEGRASS 90 LBS./ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS./ACRE  
 B KENTUCKY BLUEGRASS 135 LBS./ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS./ACRE + 2 TONS STRAW MULCH/ACRE  
 C SPRING OATS 100 LBS./ACRE  
 D WHEAT OR CEREAL RYE 150 LBS./ACRE  
 E SOD  
 F STRAW MULCH 2 TONS/ACRE

\* IRRIGATION NEEDED DURING JUNE AND JULY.  
 \*\* IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

SOIL PROTECTION CHART

FILE NAME: C:\Users\jbs\Documents\2014\11\16001\116001.dwg DATE PLOTTED: 12/22/14 9:30 AM

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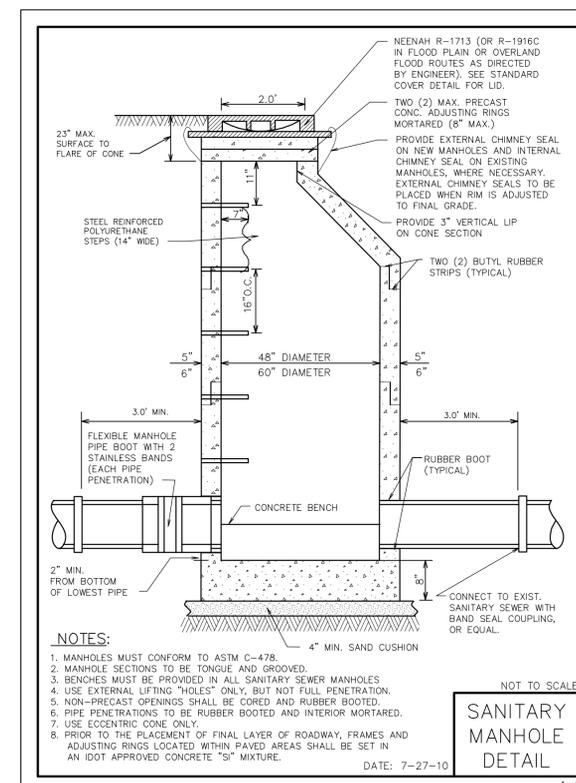
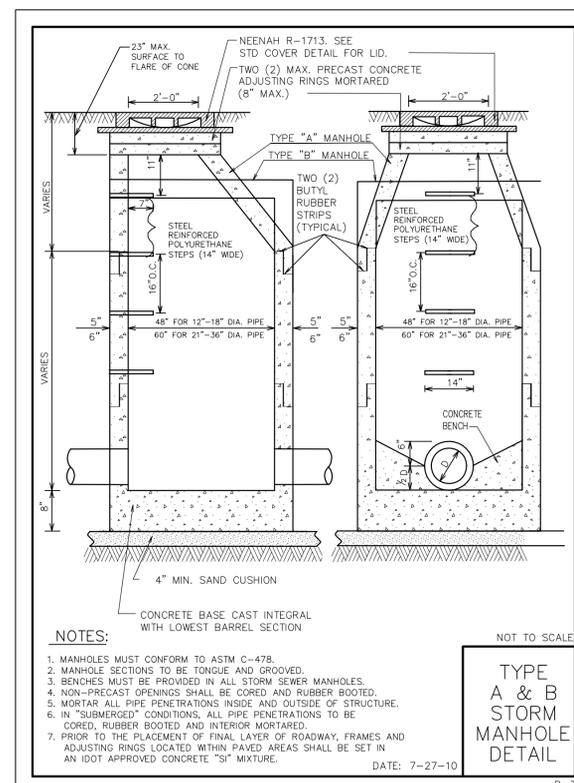
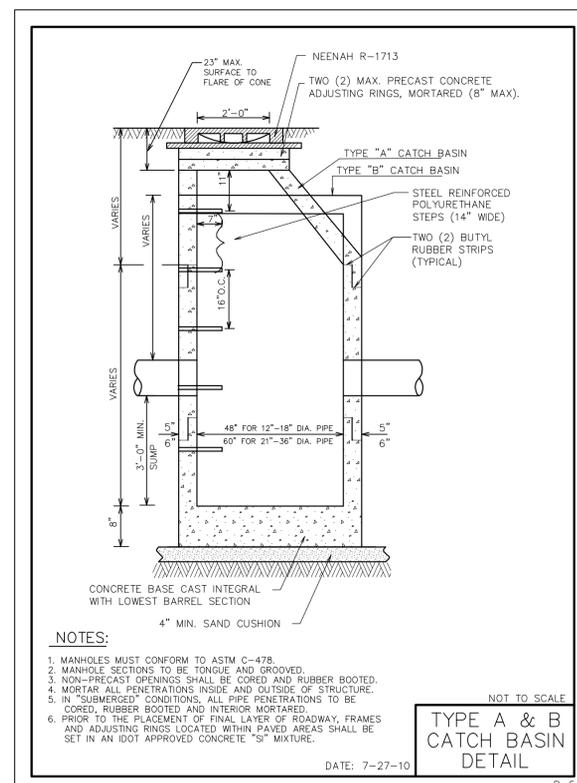
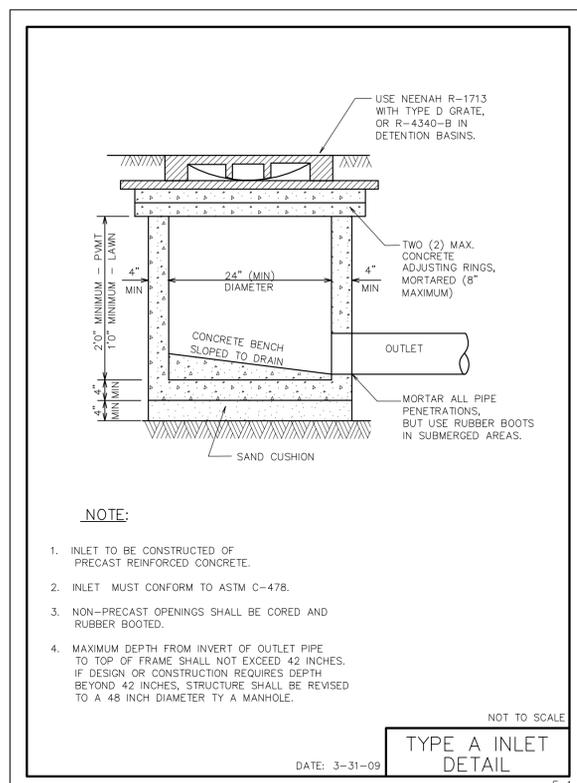
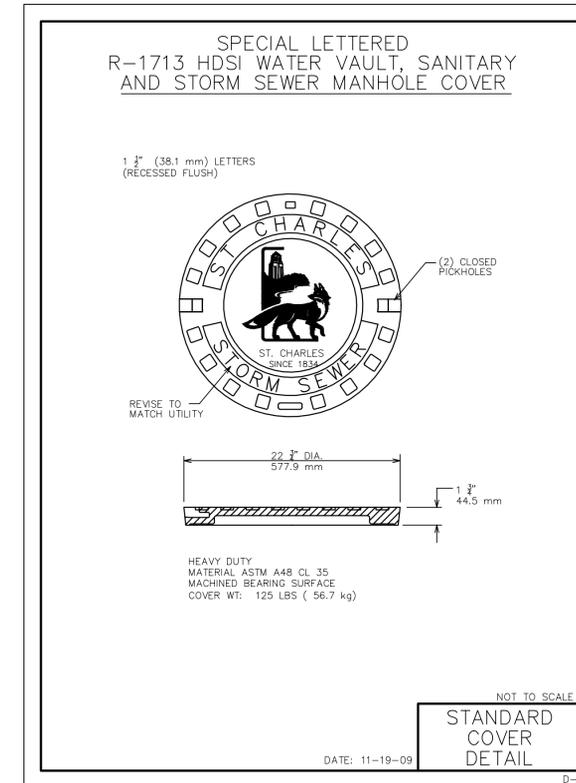
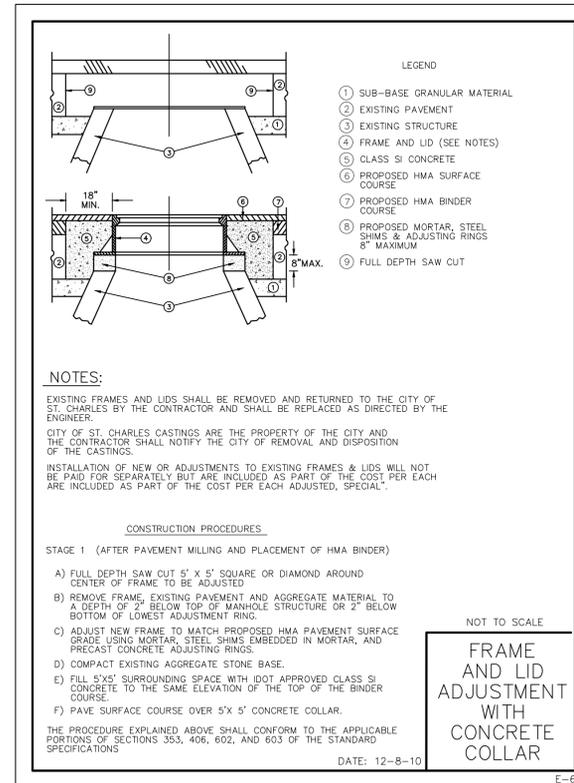
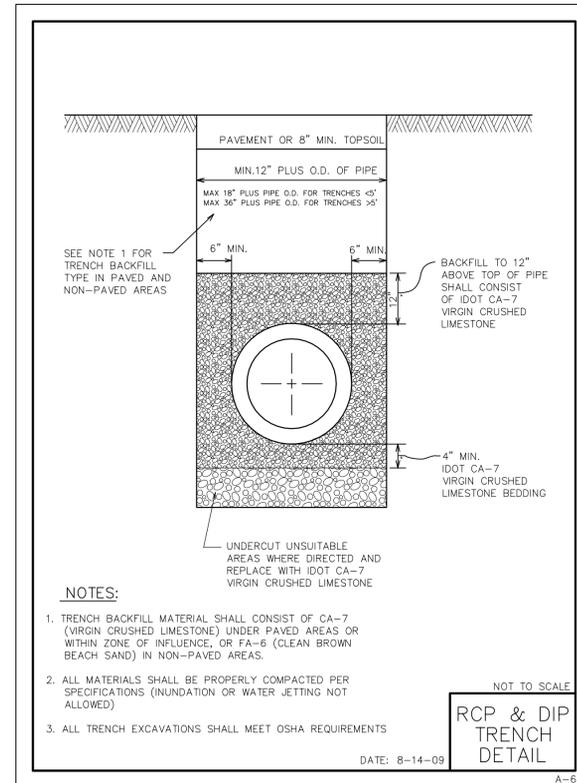
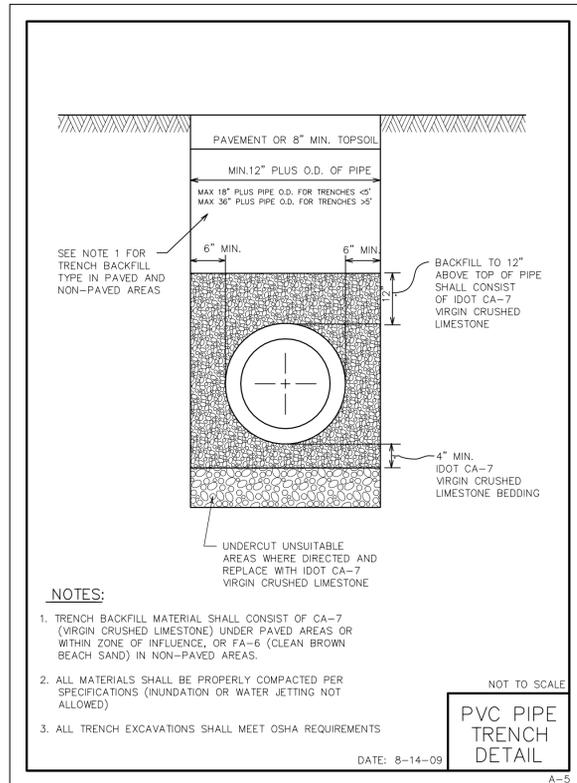
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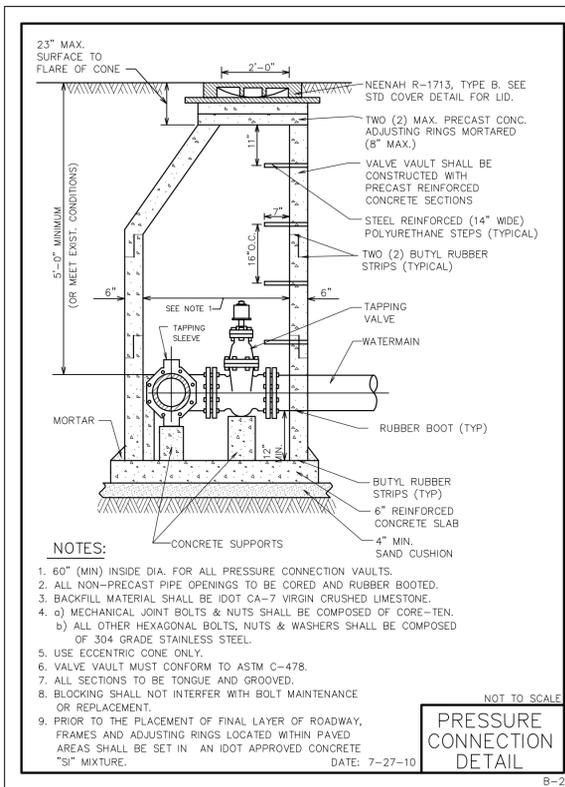
THE LEARNING EXPERIENCE - EROSION & SEDIMENT CONTROL DETAILS  
 LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS

FILE NAME: 8\_ERSDCTRL\_DETAILS DESIGN BY: JBS JOB NO.: 116.001 XREF: OVERALL  
 DIRECTORY: CAD\14116001 DRAWN BY: DGW DATE: 12/24/2014 SCALE: NONE

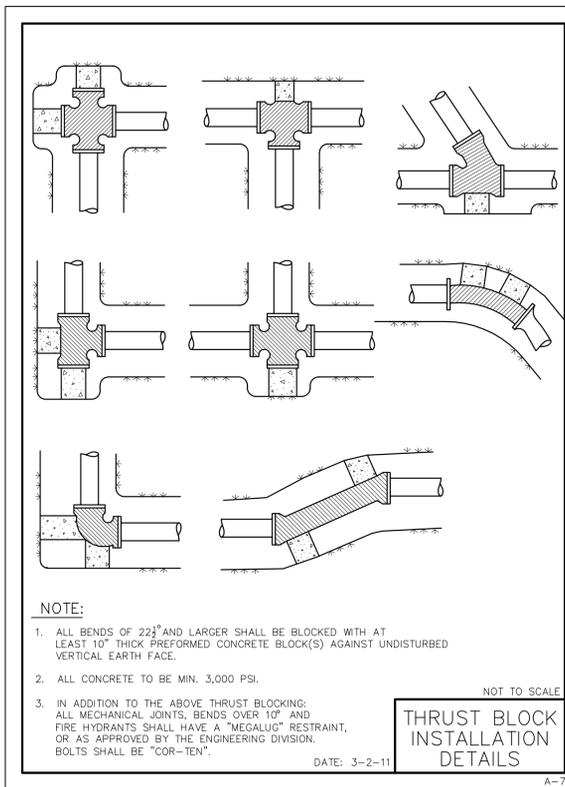
SHEET 8 OF 11



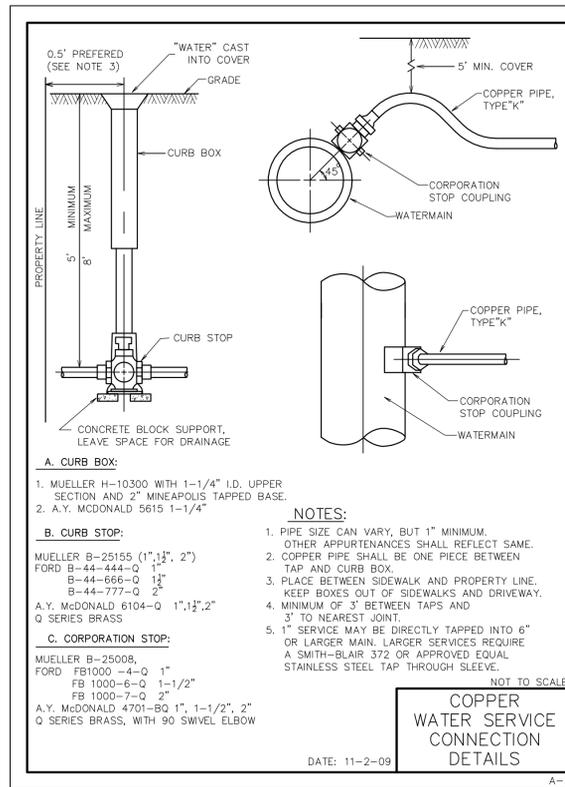
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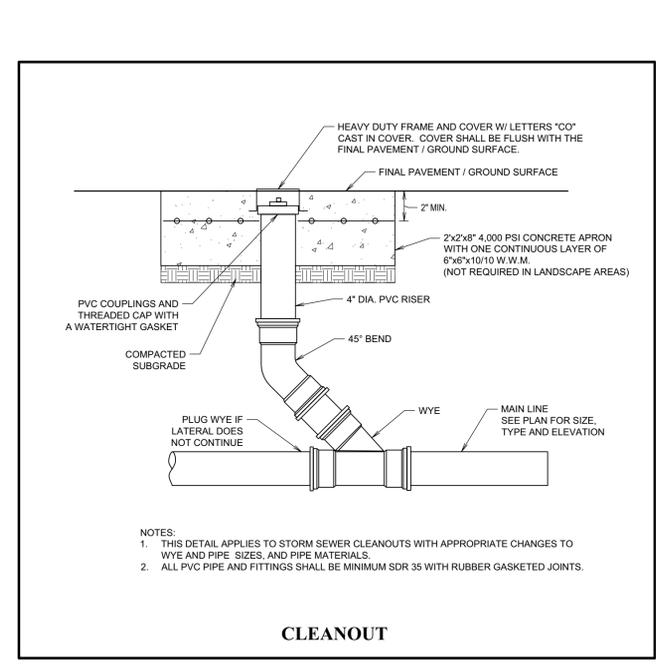
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**PRESSURE CONNECTION DETAIL**  
B-2



NOT TO SCALE  
**THRUST BLOCK INSTALLATION DETAILS**  
A-7



NOT TO SCALE  
**COPPER WATER SERVICE CONNECTION DETAILS**  
A-3



**CLEANOUT**

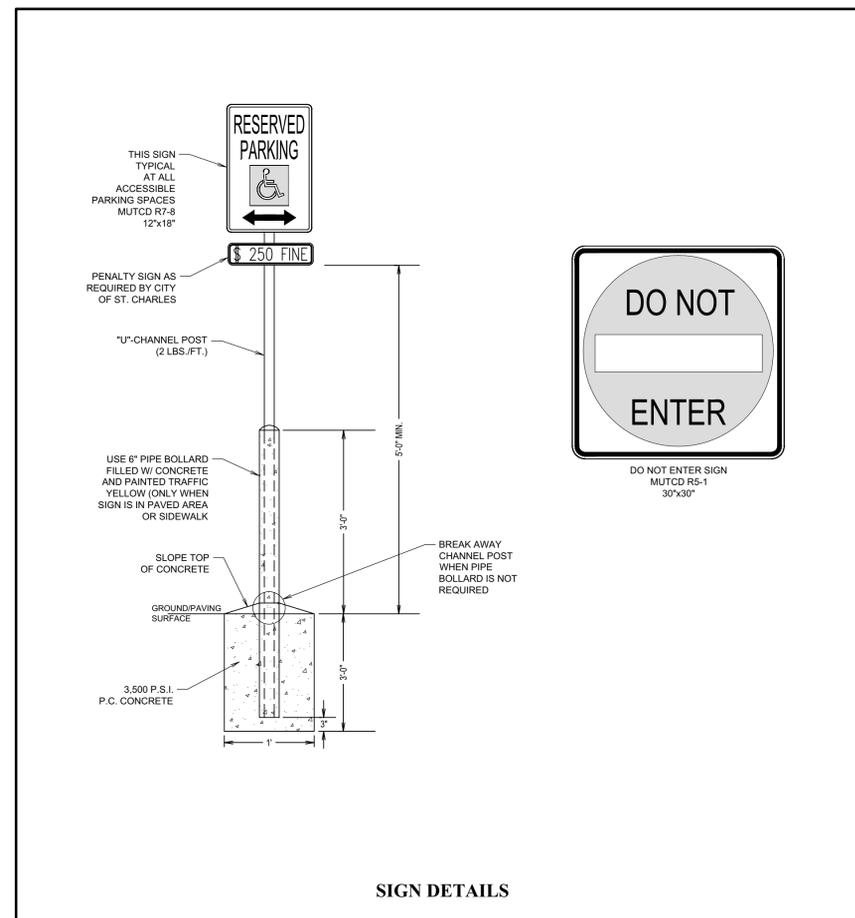
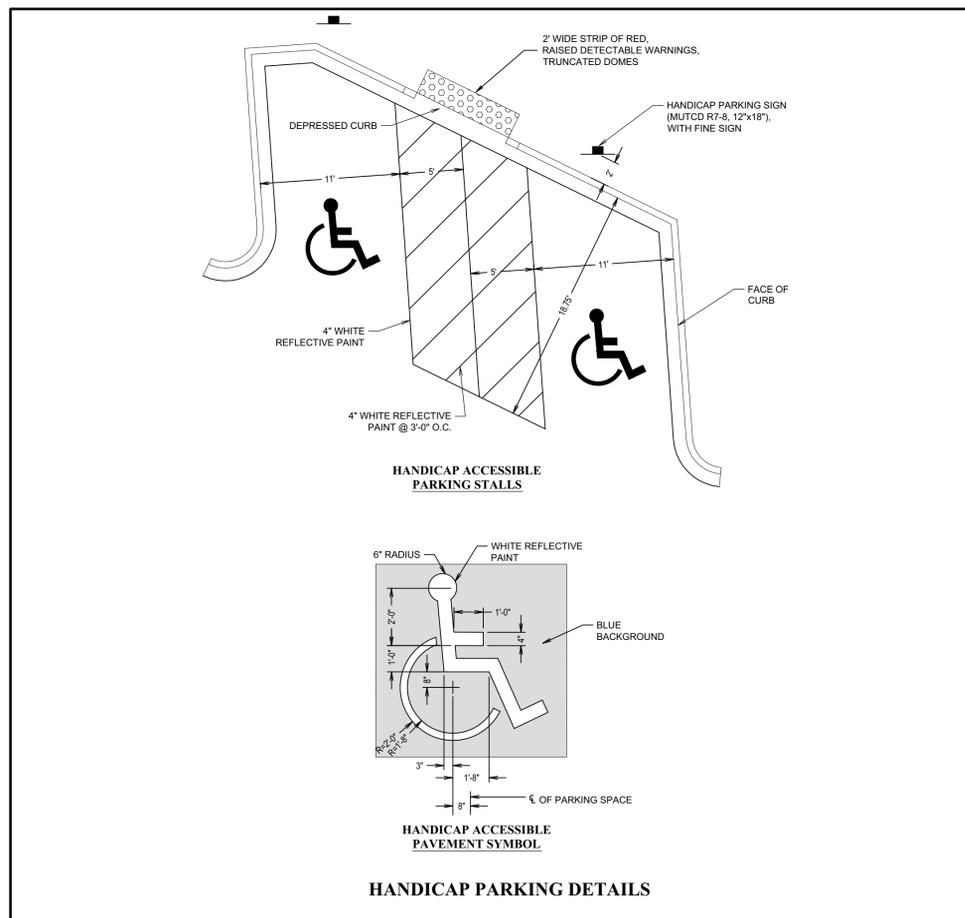
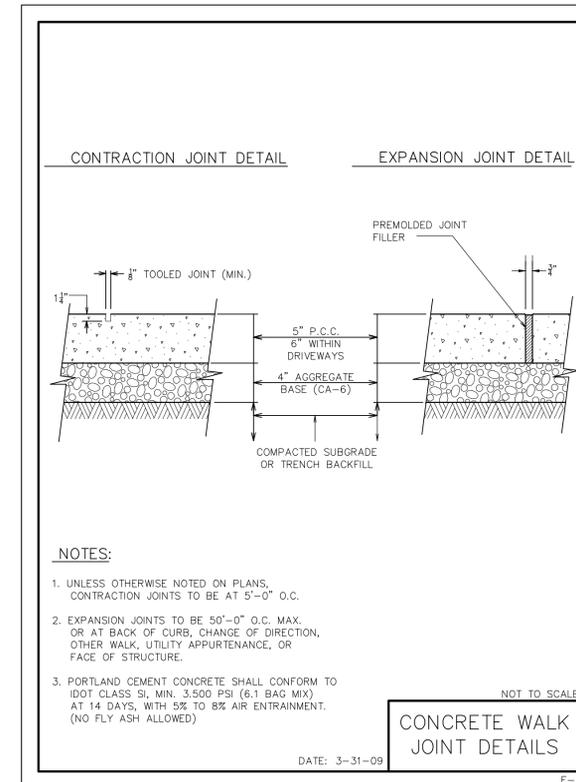
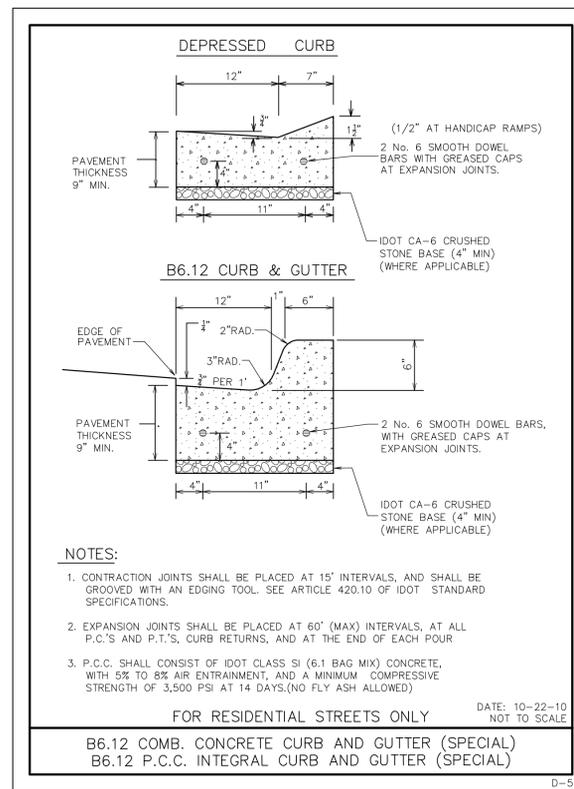
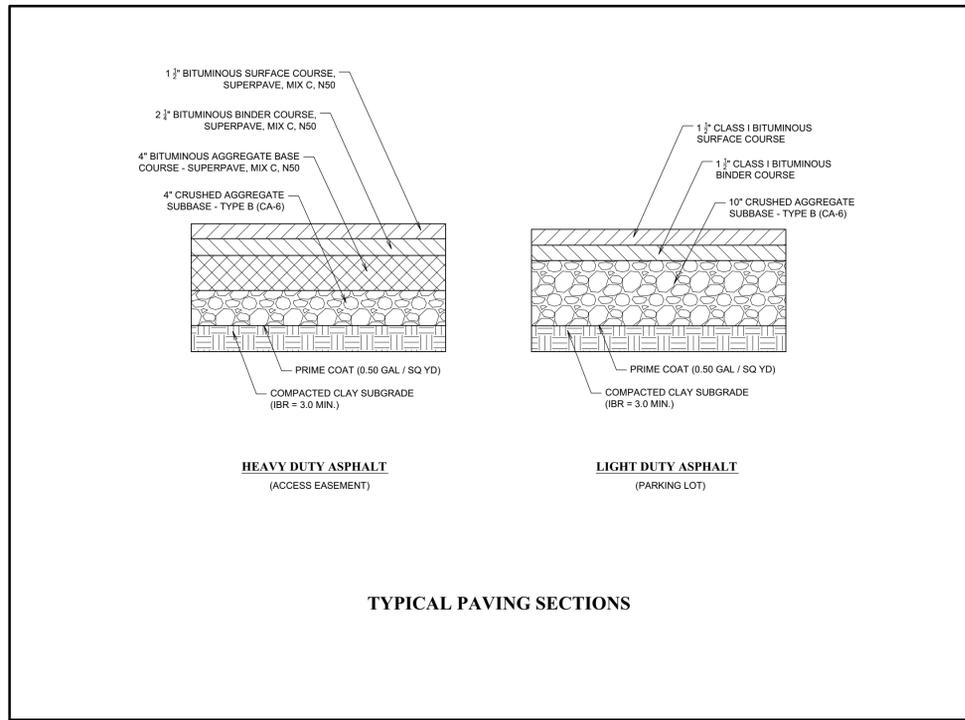
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NUMBER	DATE	NUMBER	DATE

THE LEARNING EXPERIENCE - CONSTRUCTION DETAILS			
LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS			
FILE NAME: 9_DETAILS	DESIGN BY: JBS	JOB NO.: 116.001	XREF: OVERALL
DIRECTORY: CAD\14116001	DRAWN BY: DGW	DATE: 12/24/2014	SCALE: NONE



FILE NAME: C:\Users\jbs\Documents\20140116\20140116.dwg DATE PLOTTED: 1/24/2014 10:34 AM

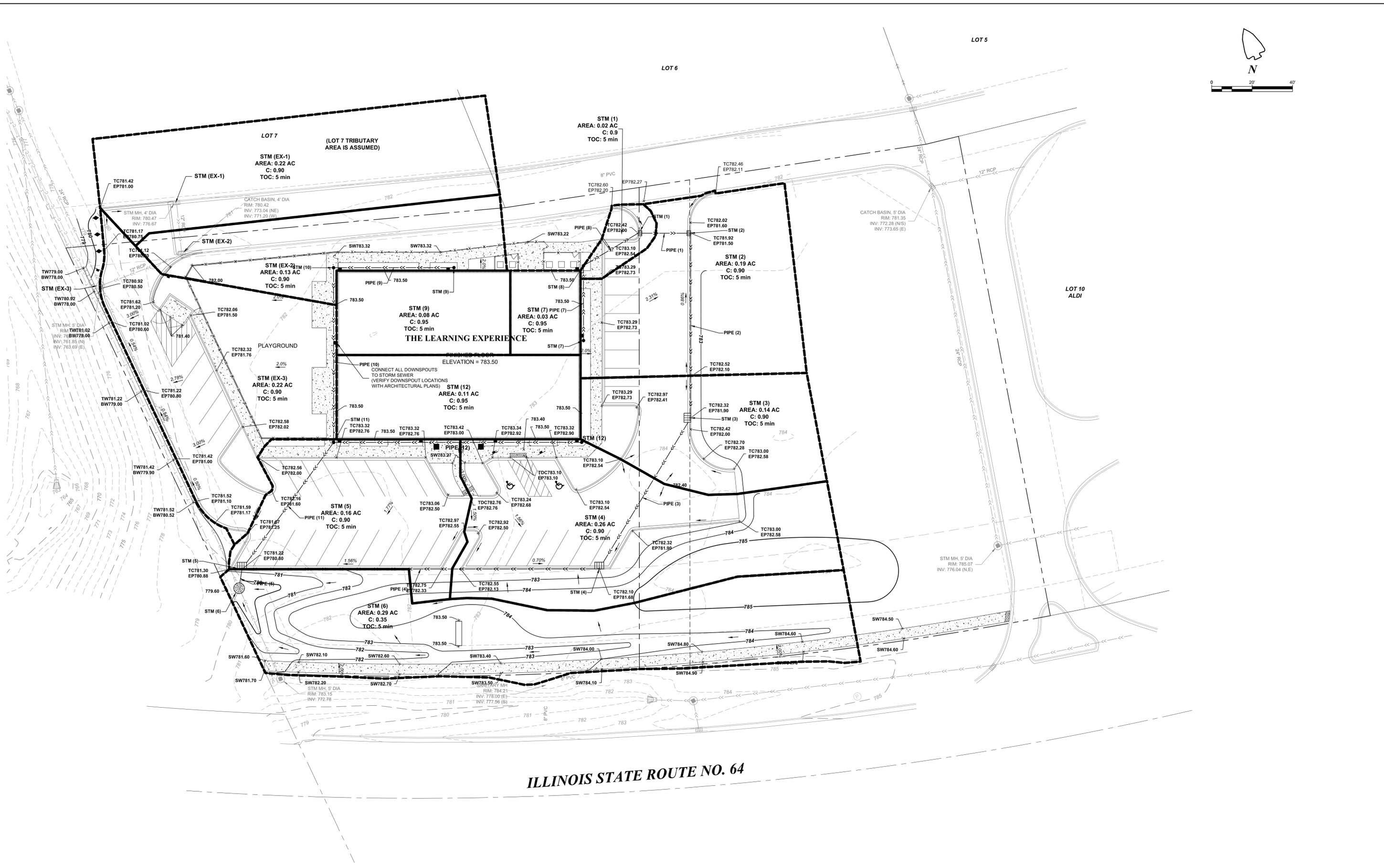
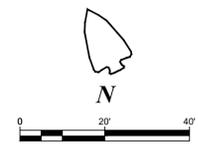
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THE LEARNING EXPERIENCE - CONSTRUCTION DETAILS  
LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS

FILE NAME: 9_DETAILS	DESIGN BY: JBS	JOB NO.: 116.001	XREF: OVERALL	SHEET 11 OF 11
DIRECTORY: CAD\14116001	DRAWN BY: DGW	DATE: 1/24/2014	SCALE: NONE	



**ILLINOIS STATE ROUTE NO. 64**

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**THE LEARNING EXPERIENCE - STORM SEWER CATCHMENT AREA EXHIBIT**

**LOTS 8 & 9, PINE RIDGE PARK, CITY OF ST. CHARLES, ILLINOIS**

FILE NAME: STORM CATCHMENT	DESIGN BY: JBS	JOB NO.: 116.001	XREF: OVERALL
DIRECTORY: CAD14116001	DRAWN BY: DGW	DATE: 12/4/2014	SCALE: 1" = 20'