

# PRELIMINARY ENGINEERING PLANS SILVER CROSS MEDICAL OFFICE BUILDING

NE CORNER OF LAGRANGE RD & W 171ST ST ORLAND PARK, IL 60467 ORLAND TOWNSHIP, PART OF PIN 27-27-100-015-0000

**LOCATION MAP** 

# **UTILITY AND GOVERNING AGENCY CONTACTS**

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CONTACT: RORY FANCLER, AICP, PTP

	ı	•	(NOT TO SC	ALE) ∎			
	W 159TH St 167TH ST	IAW >10	6" SANITARY —	MV IN	VRD TERCEPTOR -IAW 18" SA	NITARY	NORTH
8	CONNECT TO EXISTING AGRANGE SANITARY AGRANGE SANITARY AGRANGE PROJECT LOCATION EN RD	S 94TH AVE	IAW 15" S. IAW 10" S. IAW 8" SA VILLAGE 8	ANITARY NITARY	Y	W 171st St 175TH St	
104TH AVE	179TH St	AVE				S 80TH AVE 183RD ST	HARLEM AVE
OR	ELAND PKWY		1-80				

	Sheet List Table
Sheet Number	Sheet Title
C0.0	COVER SHEET
V0.0	ALTA - NSPS LAND TITLE SURVEY
C1.0	SITE DIMENSION PLAN
C2.0	GRADING AND DRAINAGE PLAN
C3.0	UTILITY PLAN
C4.0	FIRE TRUCK PLAN
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE PLAN
L2.0	LANDSCAPE NOTES AND DETAILS
L2.1	LANDSCAPE NOTES AND DETAILS
L3.0	HARDSCAPE PLAN
L3.1	HARDSCAPE PLAN
L3.2	HARDSCAPE DETAILS

VILLAGE COMMENTS 08/19/22

Kimley >>> Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
WARRENVILLE, IL 60555
PHONE: 630-487-5550

DRAWN BY: JPC 4201 WARI PHOP PHOP CHECKED BY: WAW

MEDICAL GROUP
SILVER CROSS
H o s p i t a l

OVER SHEET

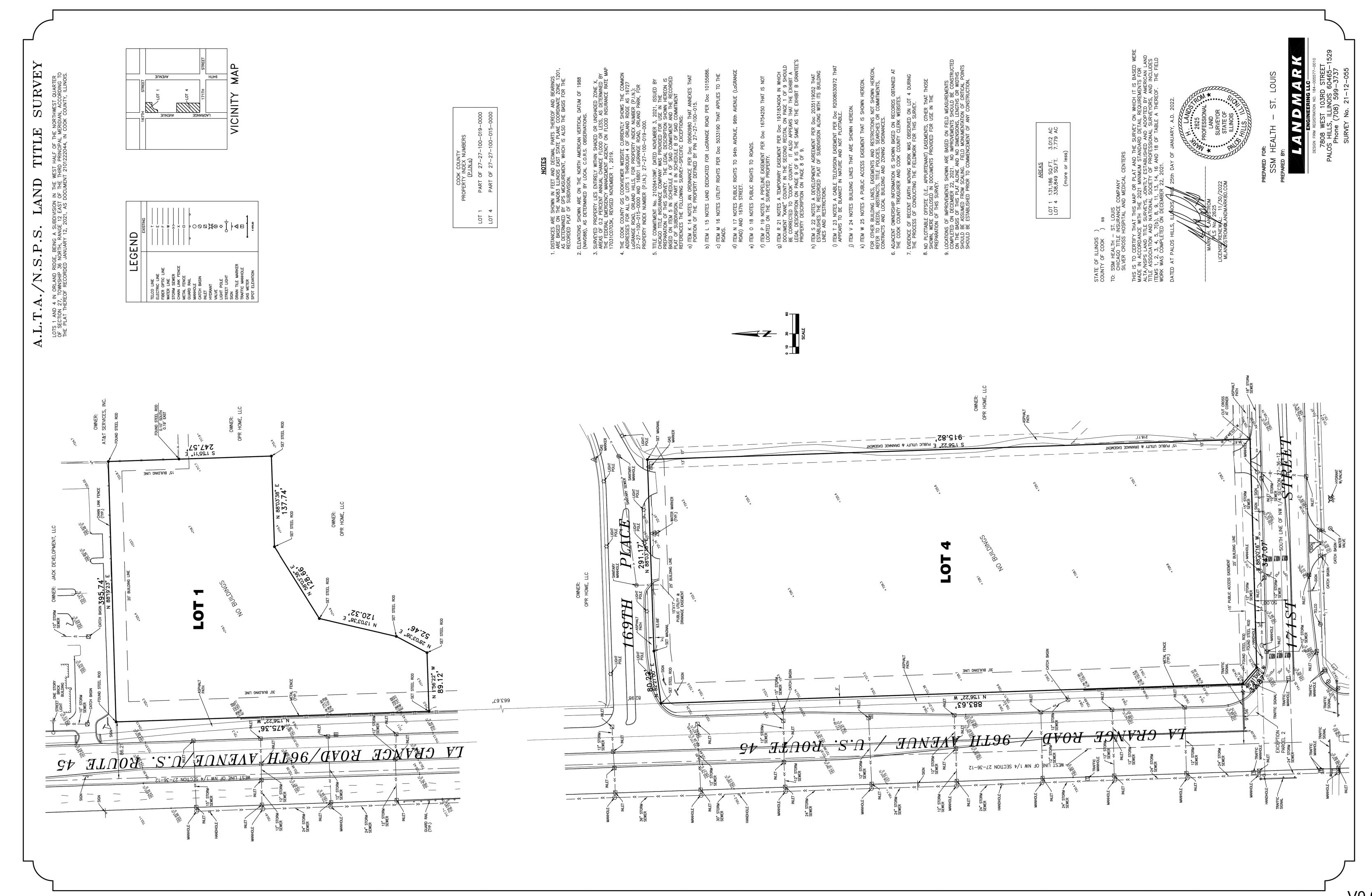
SILVER CROSS
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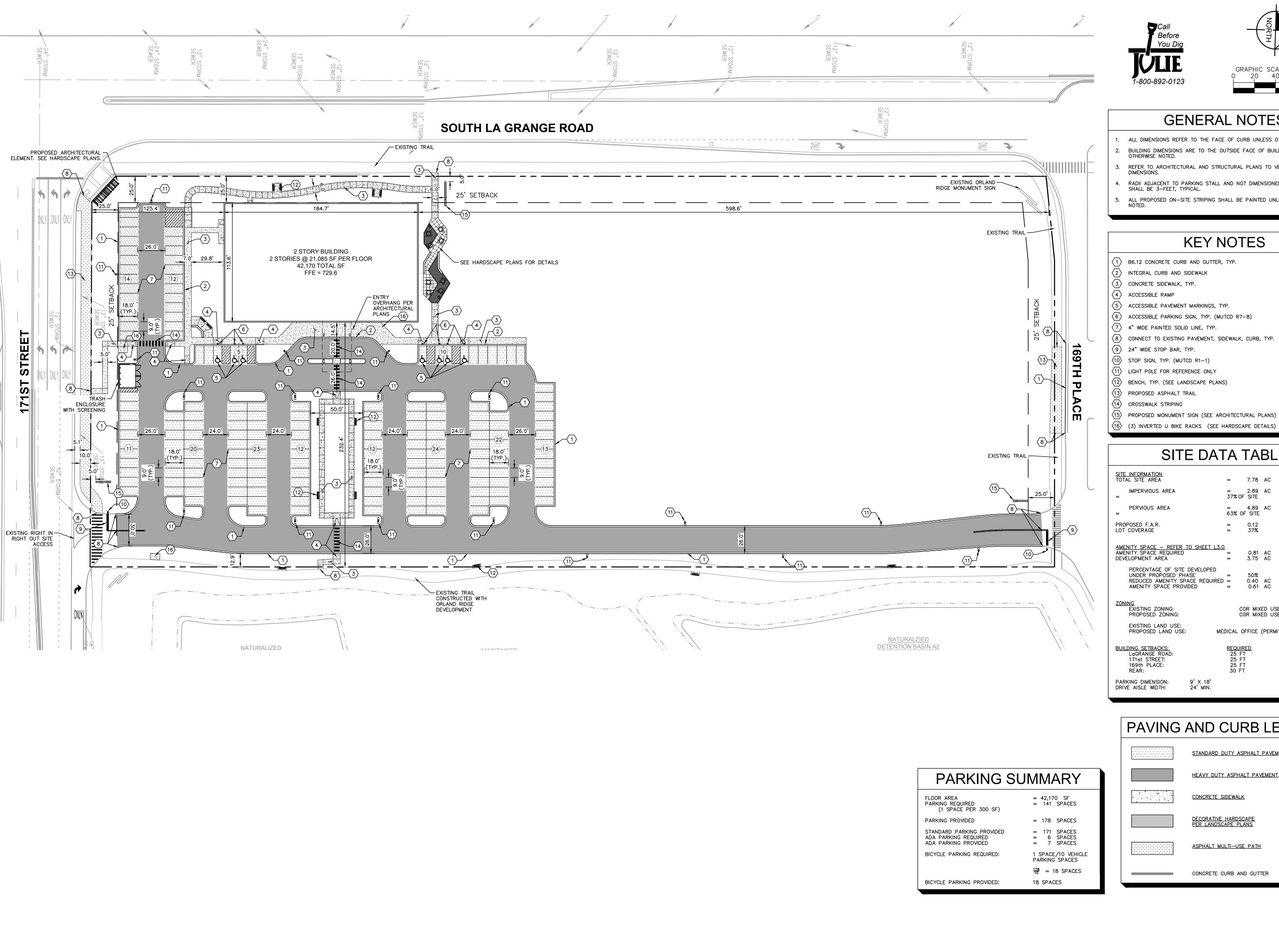
ORIGINAL ISSUE:
05/06/2022

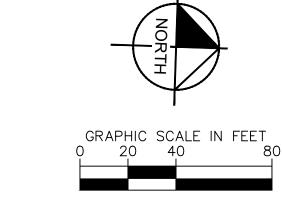
KHA PROJECT NO.
268119000

SHEET NUMBER

C0.0







# GENERAL NOTES

- ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING
- RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN
- ALL PROPOSED ON—SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

# **KEY NOTES**

- $\langle 1 \rangle$  B6.12 CONCRETE CURB AND GUTTER, TYP.

- (6) ACCESSIBLE PARKING SIGN, TYP. (MUTCD R7-8)
- $\langle 7 \rangle$  4" WIDE PAINTED SOLID LINE, TYP.
- (8) CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
- (12) BENCH, TYP. (SEE LANDSCAPE PLANS)
- (16) (3) INVERTED U BIKE RACKS (SEE HARDSCAPE DETAILS)

# SITE DATA TABLE

- (338,902 SF) = 2.89 AC 37% OF SITE (126,045 SF) = 4.89 AC 63% OF SITE (212,857 SF)
- = 0.12 = 37%
- AMENITY SPACE REFER TO SHEET L3.0

  AMENITY SPACE REQUIRED =
  DEVELOPMENT AREA =
- PERCENTAGE OF SITE DEVELOPED
- COR MIXED USE DISTRICT COR MIXED USE DISTRICT

MEDICAL OFFICE (PERMITTED USE)

PROVIDED 25.0 FT 125.4 FT 598.6 FT 232.4 FT REQUIRED 25 FT 25 FT 25 FT 30 FT

0.81 AC 3.75 AC

(35,284 SF) (165,350 SF)

(17,424 SF) (27,048 SF)

9' X 18' 24' MIN.

# PAVING AND CURB LEGEND

STANDARD DUTY ASPHALT PAVEMENT HEAVY DUTY ASPHALT PAVEMENT

DECORATIVE HARDSCAPE PER LANDSCAPE PLANS

CONCRETE CURB AND GUTTER

05/06/2022 KHA PROJECT NO.

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**Kimley** » Horn

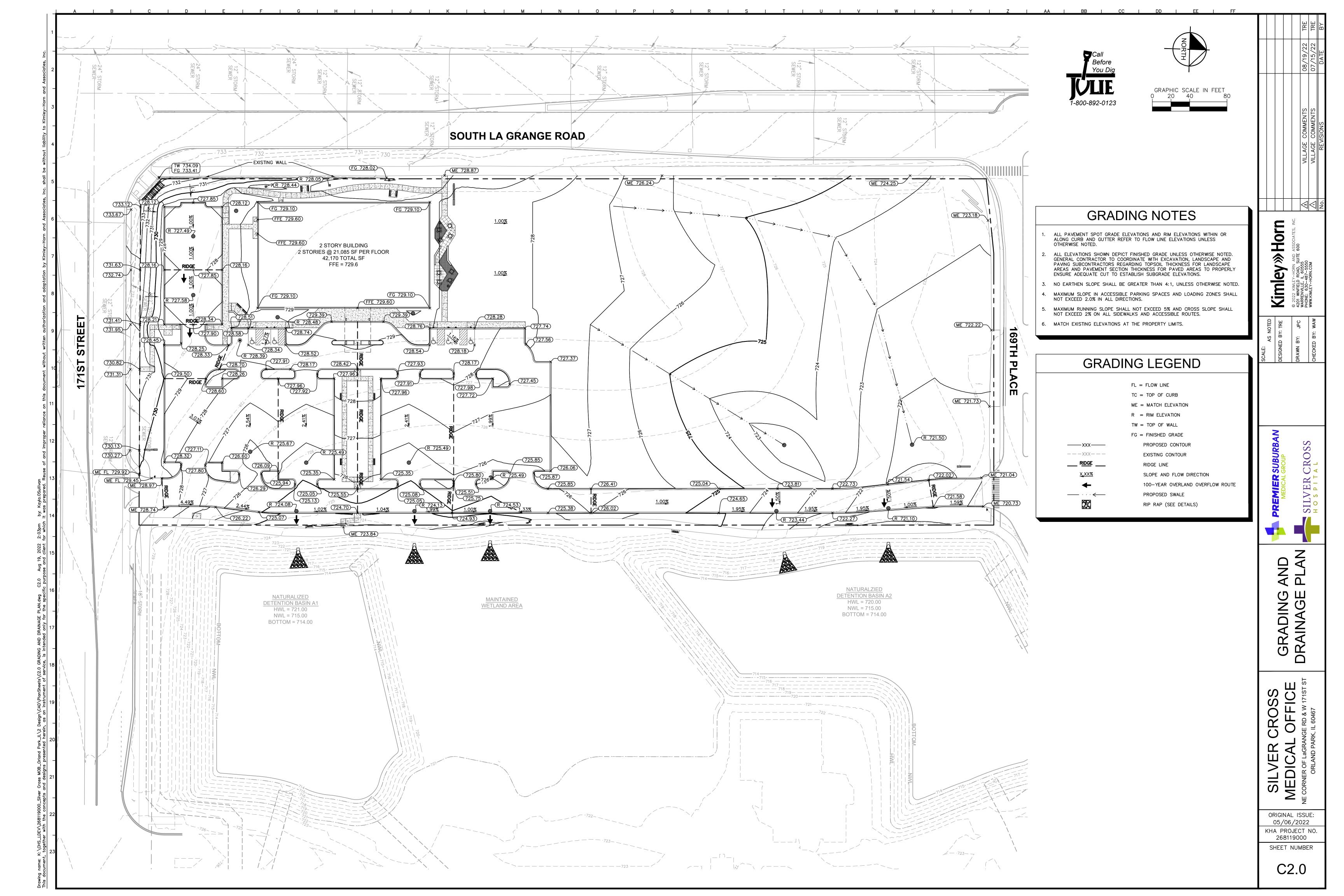
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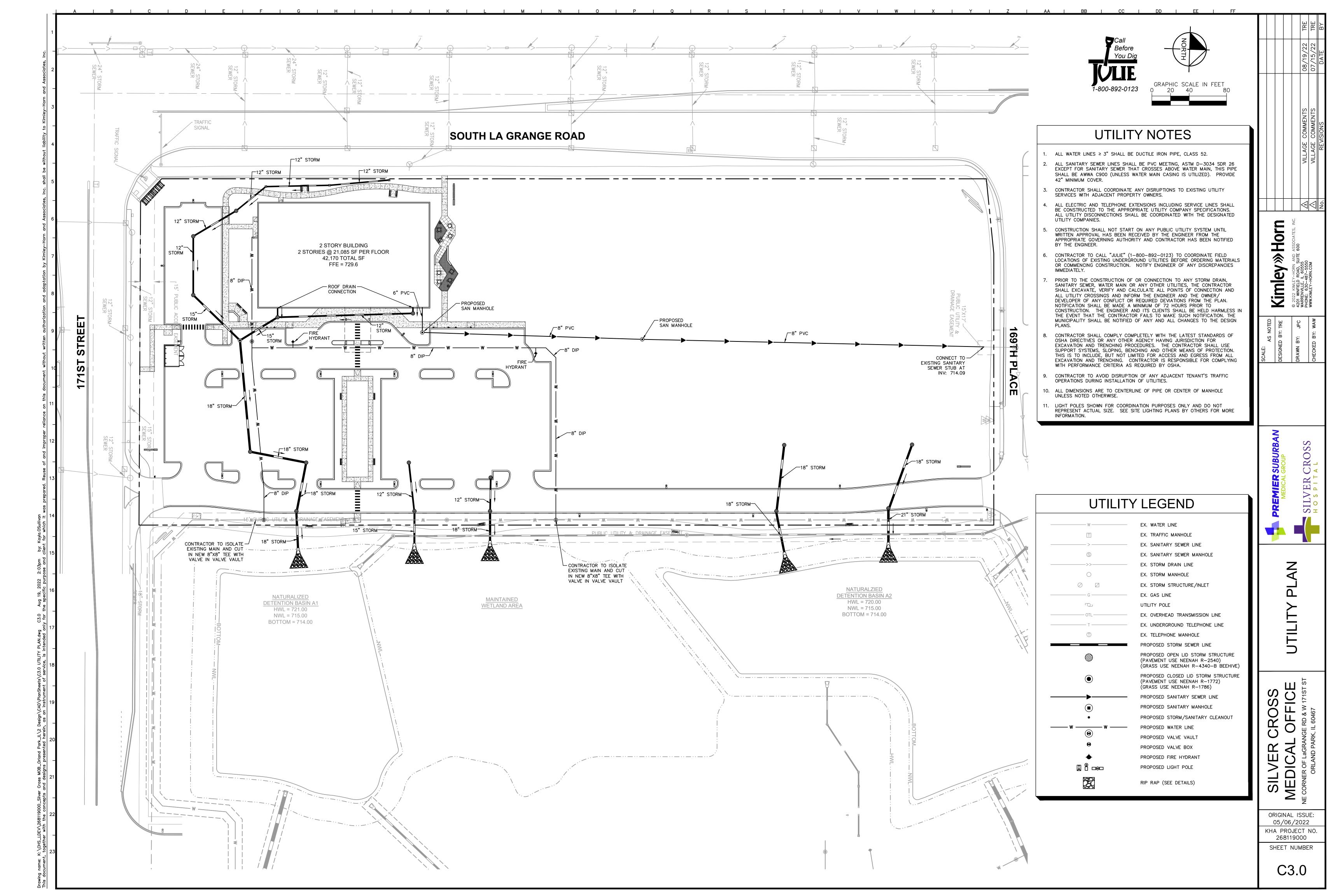
DIMENSION PLAN

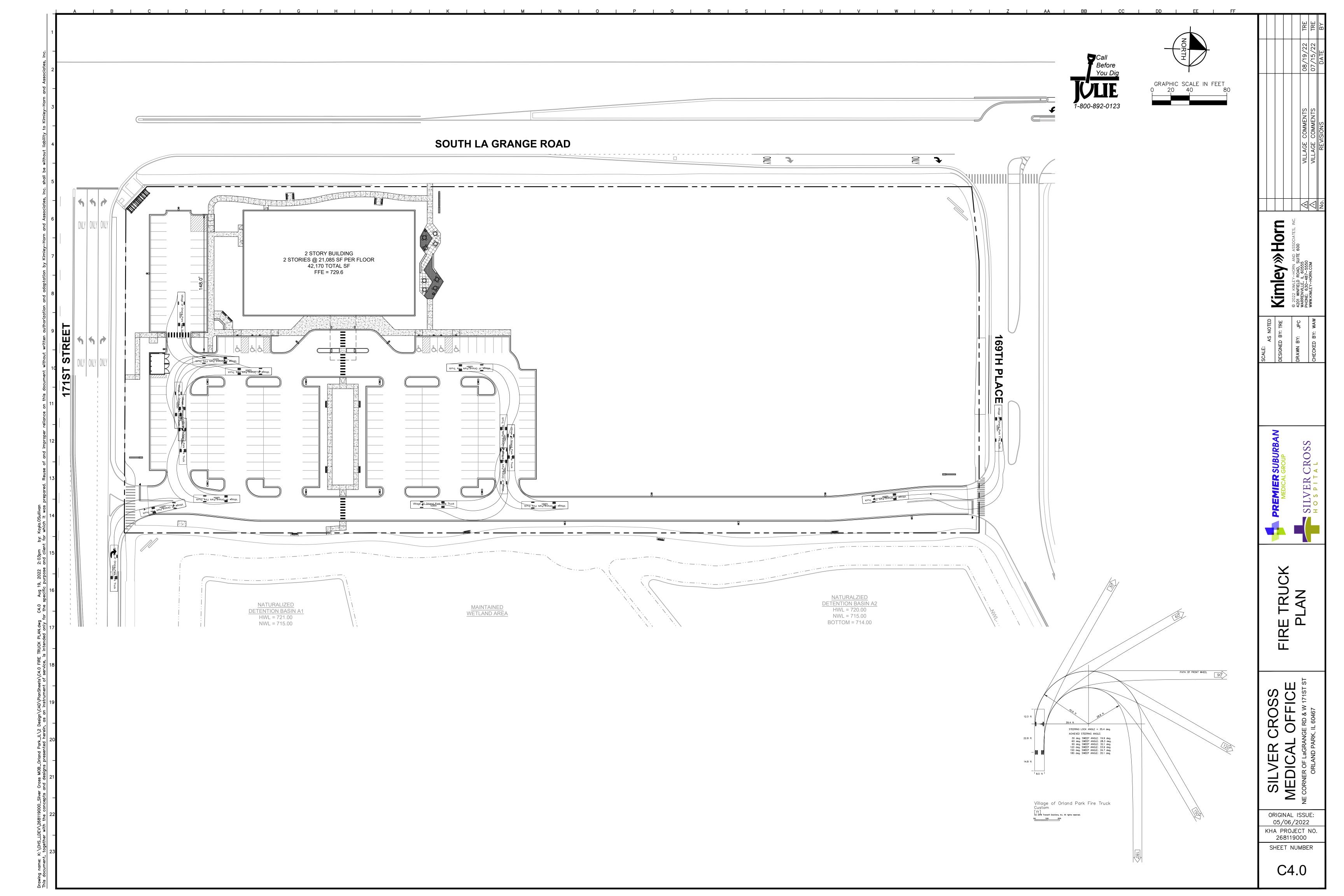
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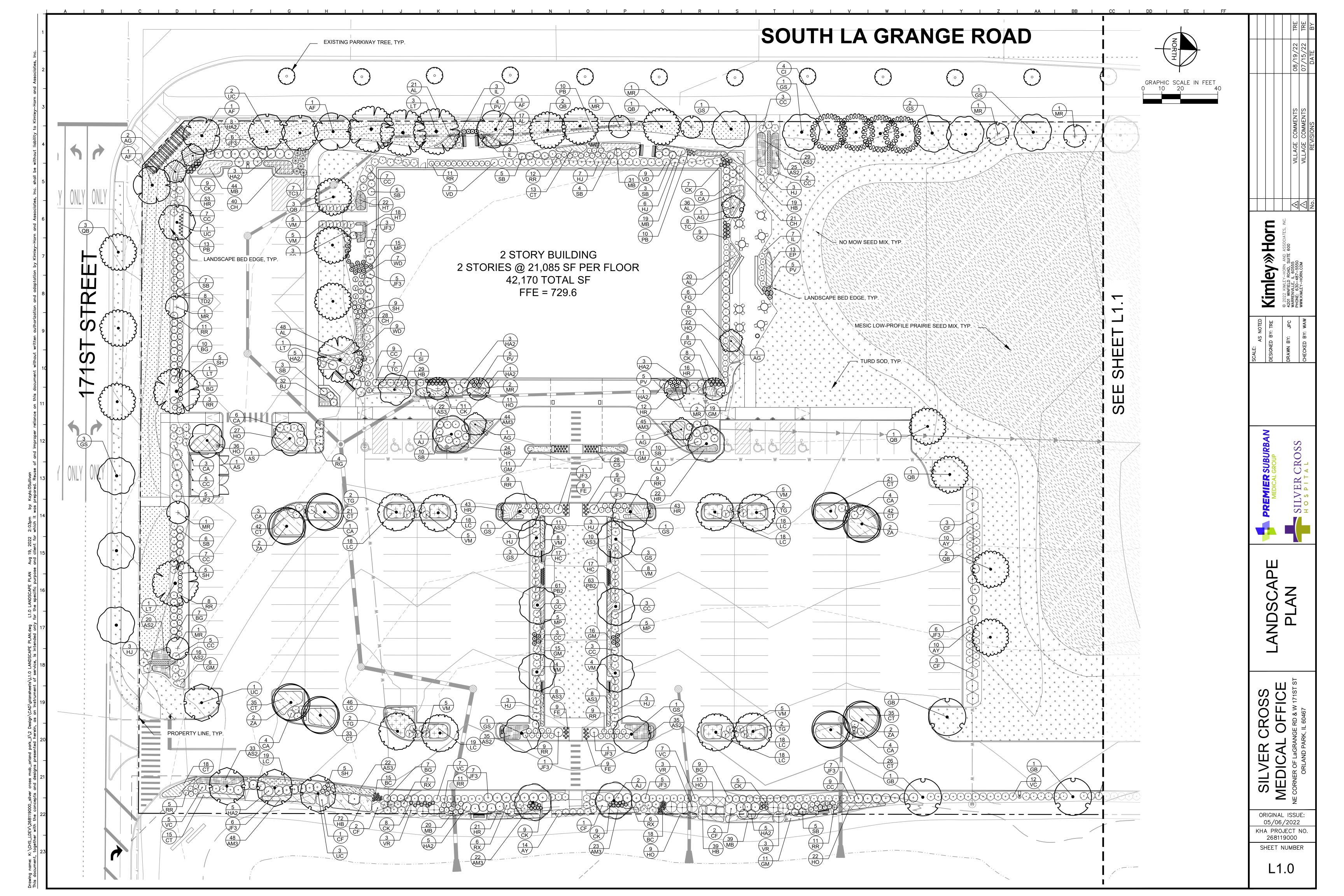
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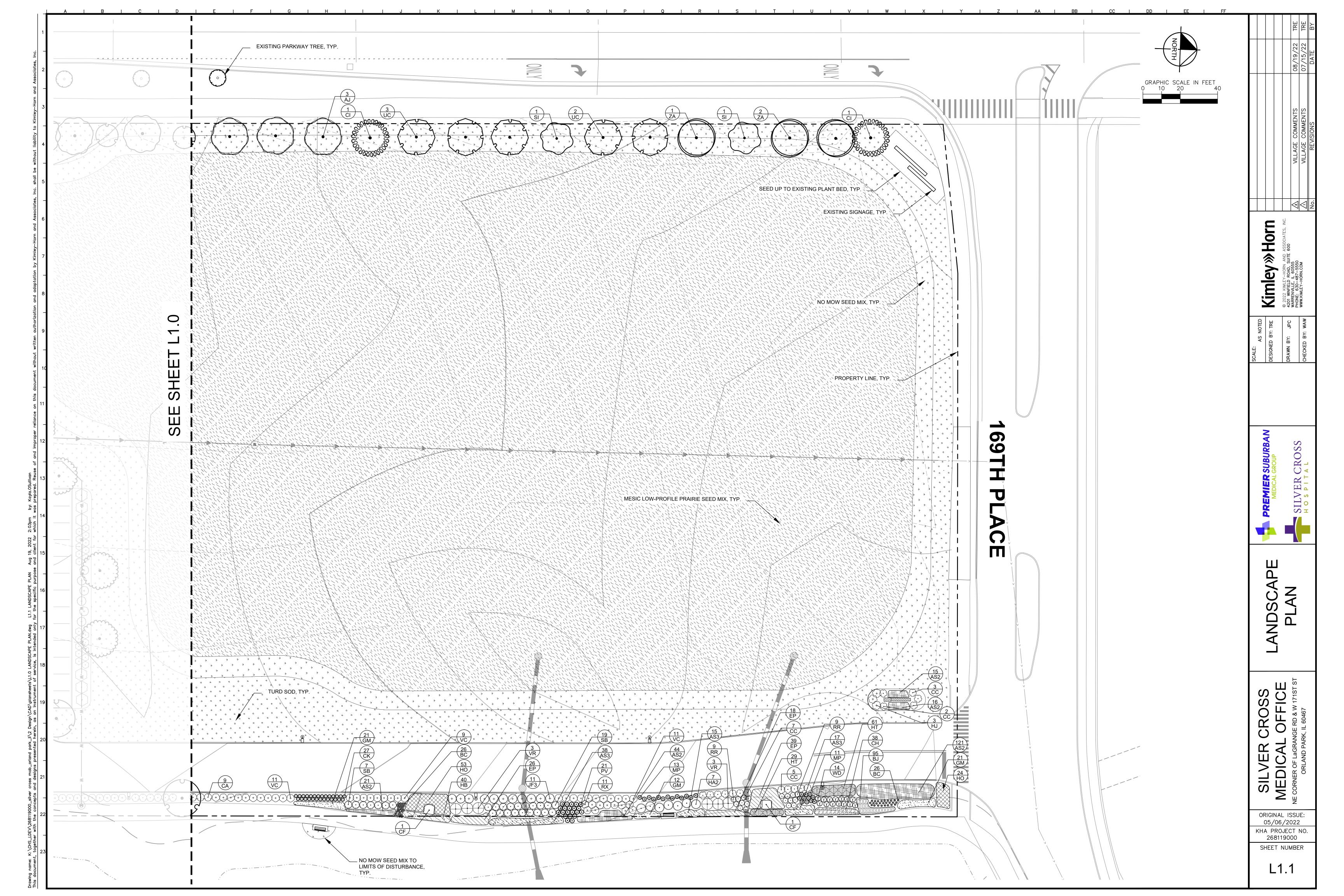
268119000 SHEET NUMBER











PLANT SCHEE	DULE					PLANT SCHEDU	JLE					
TREES	CODE QTY	BOTANICAL / COMMON NAME	CONT C	CAL CAL	<u>OTHER</u>	EVERGREEN SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
$(\cdot)$	AJ 7	ACER GINNALA 'JEFUM' TM / ROYAL CROWN AMUR MAPLE	B & B			+ }	JF2	5	JUNIPERUS CHINENSIS `FAIRVIEW` / FAIRVIEW JUNIPER	B & B	SEE PLAN	6` HT MIN
	AS 2	ACER RUBRUM 'SUN VALLEY' / SUN VALLEY RED MAPLE	B & B			+	JF3	60	JUNIPERUS CHINENSIS `SEA GREEN` / SEA GREEN JUNIPER	2 GAL	SEE PLAN	36" HT MIN
	GB 3	GINKGO BILOBA / MAIDENHAIR TREE	B & B			$\odot$	TC	24	TAXUS X MEDIA 'CHADWICKII' / CHADWICK'S ANGLO-JAPANESE YEW	3 GAL	SEE PLAN	24" HT MIN
	GS 18	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE' / SKYLINE HONEY LOCUST	B & B				TC3	7	THUJA OCCIDENTALIS 'CONGABE' TM / FIRE CHIEF ARBORVITAE	1 GAL	SEE PLAN	24" HT MIN
	LT 6	LIRIODENDRON TULIPIFERA / TULIP POPLAR	B & B			**************************************	TD2	8	TAXUS X MEDIA / ANGLO-JAPANESE YEW	3 GAL		24" HT. MIN.
A Company	QB 13	QUERCUS BICOLOR / SWAMP WHITE OAK	B & B			ORNAMENTAL GRASSES	CODE	OTV				
	TG 8	TILIA CORDATA 'GREENSPIRE' / GREENSPIRE LITTLELEAF LINDEN	B & B			ORIVAIVIENTAL GRAGGES	BC	<u>QTY</u> 85	BOTANICAL / COMMON NAME  BOUTELOUA CURTIPENDULA / SIDE OATS GRAMA	CONT 1 GAL	SPACING SEE PLAN	<u>SIZE</u>
and the second							CK	102	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / KARL FOERSTER FEATHER REED GRASS	1 GAL	SEE PLAN	
	UC 12	ULMUS X 'FRONTIER' / FRONTIER ELM	B & B				CS	28	CAREX X 'SILVER SCEPTRE' / SILVER SCEPTRE SEDGE	1 GAL	SEE PLAN	
$\odot$	ZA 11	ZELKOVA SERRATA 'AUTUMN GLOW' / AUTUMN GLOW JAPANESE ZELKOVA	B & B			Manuscolor Company of the Company of	FE	36	FESTUCA CINEREA 'ELIJAH'S BLUE' / ELIJAH'S BLUE FESCUE	1 GAL	SEE PLAN	
ORNAMENTAL TREES	CODE QTY	BOTANICAL / COMMON NAME	CONT C	CAL .	OTHER	Manager Manage	HC	34	HAKONECHLOA MACRA 'ALBOVARIEGATA' / VARIEGATED JAPANESE FOREST GRASS	1 GAL		
	AF 4	ACER GINNALA 'FLAME' / FLAME AMUR MAPLE	B & B								SEE PLAN	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	AG 6	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE APPLE SERVICEBERRY	B & B				MP	49	MISCANTHUS SINENSIS 'PURPURESCENS' / PURPLE EULALIA GRASS	1 GAL	SEE PLAN	
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	CI 6	CRATAEGUS CRUS-GALLI INERMIS / THORNLESS COCKSPUR HAWTHORN	B & B			William Commence of the Commen	PB	33	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY' / LITTLE BUNNY FOUNTAIN GRASS	1 GAL	SEE PLAN	
. }	MR 11	MALUS X 'ROYAL RAINDROPS' / ROYAL RAINDROPS CRABAPPLE	B & B			Manufacture of the state of the	PV	40	PANICUM VIRGATUM / SWITCH GRASS	1 GAL	SEE PLAN	
	SI 3	SYRINGA RETICULATA 'IVORY SILK' / IVORY SILK JAPANESE TREE LILAC	B & B			Manufacture of the state of the	SH	24	SPOROBOLUS HETEROLEPIS / PRAIRIE DROPSEED	1 GAL	SEE PLAN	
SHRUBS	CODE QTY	BOTANICAL / COMMON NAME	CONT S	PACING	SIZE	PERENNIALS AND GRASSES	CODE	<u>QTY</u>	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
$\odot$	AY 34	ARONIA MELANOCARPA 'IROQUOIS BEAUTY' TM / IROQUOIS BEAUTY BLACK CHOKEBERRY	1 GAL S	EE PLAN	18" HT. MIN.		AL	142	ATHYRIUM FILIX-FEMINA `LADY IN RED` / LADY FERN	1 GAL	18" OC	
$\odot$	BG 34	BUXUS X 'GLENCOE' TM / CHICAGOLAND GREEN BOXWOOD	1 GAL S	EE PLAN	18" HT MIN		AM3	182	ASTILBE CHINENSIS `MAGGIE DALEY` / MAGGIE DALEY ASTILBE	1 GAI	18" OC	
$\bigcirc$	CA 39	CEANOTHUS AMERICANUS / NEW JERSEY TEA	3 GAL S	EE PLAN	18" HT MIN				THE TIEBLE CHINAL THE TOTAL BY LEET YOUNG COIL BY LEET Y TO THE BE	. 0/12	10 00	
$\bigcirc$	CC 83	CORNUS SANGUINEA `CATO` / ARCTIC SUN DOGWOOD	1 GAL S	EE PLAN	18" HT MIN		AS2	410	ALLIUM X 'SUMMER BEAUTY' / SUMMER BEAUTY ORNAMENTAL ONION	1 GAL	20" OC	
$\bigcirc$	CF 10	CORNUS STOLONIFERA `FLAVIRAMEA` / YELLOWTWIG DOGWOOD	3 GAL S	EE PLAN	24" HT MIN		AS3	151	ACHILLEA MILLEFOLIUM 'STRAWBERRY SEDUCTION' / STRAWBERRY SEDUCTION COMMON YARROW	1 GAL	24" OC	
$\odot$	FG 14	FOTHERGILLA GARDENII / DWARF FOTHERGILLA	1 GAL S	EE PLAN	24" HT MIN							
$\odot$	HA2 41	HYDRANGEA ARBORESCENS 'BRIAN NITZ' / ANNABELLE SMOOTH HYDRANGEA	3 GAL S	EE PLAN	24" HT MIN		BJ	127	BRUNNERA MACROPHYLLA `JACK FROST` TM / SIBERIAN BUGLOSS	1 GAL	12" OC	
+	HJ 34	HYDRANGEA PANICULATA 'JANE' TM / LITTLE LIME PANICLE HYDRANGEA	3 GAL S	EE PLAN	24" HT. MIN.	56566 94969 96669 96969	СН	127	COREOPSIS X 'HEAVEN'S GATE' / HEAVEN'S GATE TICKSEED	1 GAL	18" OC	
+	IL 13	ITEA VIRGINICA `LITTLE HENRY` TM / VIRGINIA SWEETSPIRE		EE PLAN			СТ	301	COTONEASTER DAMMERI `NORDIC CARPET` / NORDIC CARPET COTONEASTER	1 ( )	24" 00	
$\odot$					TO THE IVIIIN		CI	301	COTONEASTER DAMINIERI NORDIC CARPET / NORDIC CARPET COTONEASTER	1 GAL	24" OC	
	RG 4	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC		EE PLAN			EP	96	ECHINACEA PURPUREA 'PIXIE MEADOWBRITE' / PIXIE MEADOWBRITE CONEFLOWER	1 GAL	24" OC	
$\bigcirc$	RR 126	ROSA X `RADGOR` TM / PEACHY KNOCK OUT ROSE	1 GAL S	EE PLAN	18" HT MIN		GM	143	GERANIUM MACULATUM / SPOTTED GERANIUM	1 GAI	24" OC	
( )	RX 30	RHODODENDRON X `LEMON LIGHTS` / LEMON LIGHTS AZALEA	3 GAL S	EE PLAN	24" HT MIN		<b></b>			. 0/12	21 00	
	SB 87	SPIRAEA BETULIFOLIA / BIRCHLEAF SPIREA	1 GAL S	EE PLAN	18" HT. MIN.	2 8 8 8 8 A	НВ	199	HEUCHERA X 'BLACKBERRY ICE' TM / DOLCE BLACKBERRY ICE CORAL BELLS	1 GAL	18" OC	
+	VC 62	VIBURNUM CARLESII / KOREANSPICE VIBURNUM	3 GAL S	EE PLAN	24" HT. MIN.		НО	221	HEMEROCALLIS X 'STELLA DE ORO' / STELLA DE ORO DAYLILY	1 GAL	24" OC	
$\odot$	VD 16	VIBURNUM DENTATUM 'ARROWWOOD' / ARROWWOOD VIBURNUM	3 GAL S	EE PLAN	24" HT MIN							
	VM 54	VIBURNUM DENTATUM 'BLUE MUFFIN' / BLUE MUFFIN ARROWWOOD VIBURNUM	3 GAL S	EE PLAN	24" HT MIN		HR	234	HEMEROCALLIS X 'ROSY RETURNS' / ROSY RETURNS DAYLILY	1 GAL	18" OC	
	VR 15	DIERVILLA RIVULARIS 'SMNDRSF' TM / KODIAK BLACK HONEYSUCKLE	3 GAL S	EE PLAN	18" HT MIN		НТ	130	HELIOPSIS HELIANTHOIDES `TUSCAN SUN` / FALSE SUNFLOWER	1 GAL	18" OC	
	WD 30	WEIGELA FLORIDA 'DARK HORSE' / DARK HORSE WEIGELA	3 GAL S	EE PLAN	24" HT. MIN.			100	LIDIODE ODIOATA / ODEEDING LINVENTE		0.11	
EVERGREEN SHRUBS	CODE QTY	BOTANICAL / COMMON NAME	CONT S	PACING	SIZE	+++++++ ++++++ +++++++ +++++++ +++++++ ++++	LC	192	LIRIOPE SPICATA / CREEPING LILYTURF	1 GAL	24" OC	
1 + 1 × 1	JF2 5	JUNIPERUS CHINENSIS `FAIRVIEW` / FAIRVIEW JUNIPER			6` HT MIN	////// ////// //////	MB	153	MONARDA FISTULOSA / BERGAMOT	1 GAL	18" OC	
+	JF3 60	JUNIPERUS CHINENSIS `SEA GREEN` / SEA GREEN JUNIPER	2 GAL S	EE PLAN	36" HT MIN		PB2	124	PHLOX BIFIDA / SAND PHLOX	1 GAI	12" OC	
$\odot$	TC 24	TAXUS X MEDIA 'CHADWICKII' / CHADWICK'S ANGLO-JAPANESE YEW	3 GAL S	EE PLAN	24" HT MIN		, UZ	147	I HEAR DILIDAY ORIGIN HEAR	i GAL	12 00	
	TC3 7	THUJA OCCIDENTALIS 'CONGABE' TM / FIRE CHIEF ARBORVITAE	1 GAL S	EE PLAN	24" HT MIN	GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME			
,	TD2 8	TAXUS X MEDIA / ANGLO-JAPANESE YEW	3 GAL S	EE PLAN	24" HT. MIN.				MESIC LOW-PROFILE PRAIRIE SEED MIX			
•						→ → → → →			NO-MOW SEED MIX			
						→ → → → → → → → → → → → → → → → → → →						
									TURF SOD			

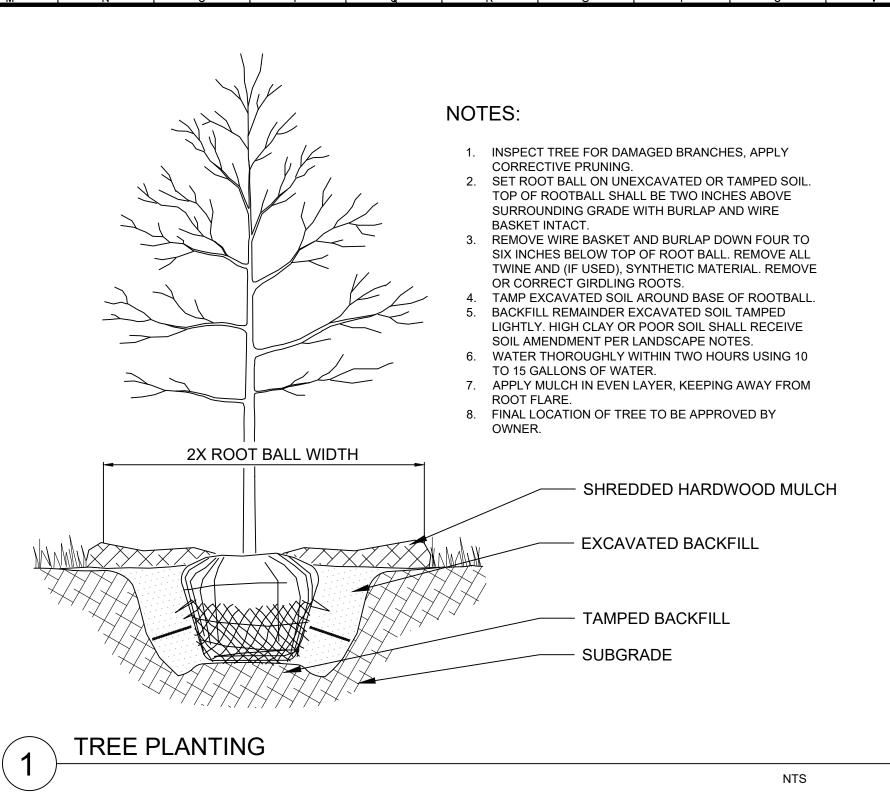
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SILVER CROSS
MEDICAL OFFICE
NE CORNER OF LAGRANGE RD & W 171ST ST
ORLAND PARK, IL 60467

ORIGINAL ISSUE: 05/06/2022 KHA PROJECT NO. 268119000

SHEET NUMBER

L2.0



# NATIVE PLANTING MAINTENANCE REQUIREMENTS

MAINTENANCE PROGRAMS SHALL BE SITE SPECIFIC AND COORDINATED WITH THE NATURAL AREAS CONTRACTOR AND MUNICIPALITY FOR ADEQUATE MAINTENANCE PROCEDURES. A FIVE YEAR STEWARDSHIP PROGRAM IS RECOMMENDED FOR THE SITE WITH A MINIMUM THREE TO FIVE MAN CREW AND AT LEAST SIX VISITS PER YEAR. AFTER THE FIFTH GROWING SEASON MAINTENANCE PROGRAMS MAY BE REDUCED TO FOUR TO TWO VISITS PER YEAR DEPENDANT UPON SITE CONDITIONS.

#### FIRST YEAR SPRING:

-INSTALLATION PERFORMED IN THE SPRING REQUIRES 6-8 WEEKS OF THOROUGH TEMPORARY IRRIGATION TO MAINTAIN CONSISTENT SOIL MOISTURE

-CONDUCT MOWING AS SOON AS THE SEEDED AREA REACH 4-8 INCHES IN HEIGHT.

-CONTROL INVASIVE WOODY AND HERBACEOUS FLORA THROUGH PHYSICAL REMOVAL OR SPOT HERBICIDE TREATMENTS.

-CONDUCT MOWING AT LEAST TWICE DURING THE GROWING SEASON, KEEPING NEWLY SEEDED AREAS 4-8 INCHES IN HEIGHT.

FALL: -CONTROL INVASIVE WOODY AND HERBACEOUS FLORA THROUGH SPOT HERBICIDE TREATMENTS. IN AREAS LEFT BARE FROM HERBICIDE TREATMENT HAND SEED WITH THE RESPECTIVE SEED MIX. -CONDUCT MOWING AT LEAST TWICE. KEEPING THE SEEDED AREAS 8 INCHES IN HEIGHT.

#### SECOND YEAR SPRING:

-HAND CUT OR MOW DEAD STALKS AND SEED HEADS FROM THE PREVIOUS GROWING SEASON. -CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH AT LEAST ONE TO TWO SPOT HERBICIDE

-PLANT SUPPLEMENTAL NATIVE SEED AND/OR LIVE PLUGS AT OWNERS DISCRETION TO INCREASE COMPETITION AND BIO-DIVERSITY.

#### SUMMER:

-DEAD HEAD OR MOW SPENT COVER CROP TO KEEP NEAT APPEARANCE AND REDUCE SELF-SEEDING. -CONDUCT MOWING AT LEAST TWICE DURING THE GROWING SEASON KEEPING VEGETATION AT 6-8 INCHES IN HEIGHT FALL:

-CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH SPOT HERBICIDE TREATMENTS. IN AREAS LEFT BARE FROM HERBICIDE TREATMENT HAND SEED WITH THE RESPECTIVE SEED MIX. -CONDUCT MOWING AT LEAST TWICE, KEEPING THE SEEDED AREAS 8 INCHES IN HEIGHT.

#### THIRD YEAR

SPRING: -CONDUCT A PRESCRIBED BURN TO DETER INVASIVE WOODY AND HERBACEOUS FLORA. IF A BURN IS NOT PLAUSIBLE CONTROL INVASIVE WOODY AND HERBACEOUS FLORA THROUGH PHYSICAL REMOVAL OR SPOT HERBICIDE TREATMENTS.

#### SUMMER: -CONDUCT MOWING IF TARGETED INVASIVE WOODY SPECIES ARE PREVALENT

-CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH AT LEAST ONE TO TWO SPOT HERBICIDE TREATMENTS.

# FALL:

-CONDUCT A PRESCRIBED BURN IF A SPRING BURN WAS UNFEASIBLE. -CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH AT LEAST ONE TO TWO SPOT HERBICIDE TREATMENTS.

#### FOURTH AND FIFTH YEAR

#### SPRING:

-CUT AND REMOVE DEAD STALKS AND SEED HEADS FROM PREVIOUS SEASON -CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH AT LEAST ONE TO TWO SPOT HERBICIDE TREATMENTS.

#### SUMMER:

-CONDUCT MOWING IF TARGETED INVASIVE WOODY SPECIES ARE PREVALENT. -CONTROL INVASIVE WOODY AND HERBACEOUS FLORA WITH AT LEAST ONE TO TWO SPOT HERBICIDE TREATMENTS.

# FALL:

-COLLECT SEEDS FROM NATIVE SPECIES TO DISPERSE IN MOWN OR HERBICIDE TREATED AREAS FOR THE FOLLOWING SPRING

#### PERFORMANCE STANDARDS

SATISFACTORY LANDSCAPE DEVELOPMENT ASSOCIATED WITH NATURALIZED VEGETATION IN THE STORMWATER FACILITY WILL BE BASED ON THE FOLLOWING ITEMS.

#### **FIRST YEAR:**

 FIRST YEAR: WITHIN THREE MONTHS OF SEED INSTALLATION (OR THREE MONTHS AFTER THE START OF THE GROWING SEASON FOLLOWING DORMANT SEEDING), AT LEAST 90 PERCENT OF THE SEEDED AREA. AS MEASURED BY AERIAL COVER. WILL BE VEGETATED OR OTHERWISE STABILIZED AGAINST EROSION. THE COVER CROP MAY BE INCLUDED IN THIS MEASUREMENT

#### **SECOND YEAR:**

 SECOND YEAR: BY THE END OF THE SECOND GROWING SEASON, THE PLANTED AREAS SHALL HAVE A MINIMUM OF 50 PERCENT GROUND COVER BY SPECIES IN THE APPROVED PLANT LIST AND/OR NATIVE SPECIES WITH NATIVE COEFFICIENT OF CONSERVATION (C-) VALUES OF 2 OR GREATER (PER SWINK AND WILHELM 1994 OR MORE CURRENT VERSION).

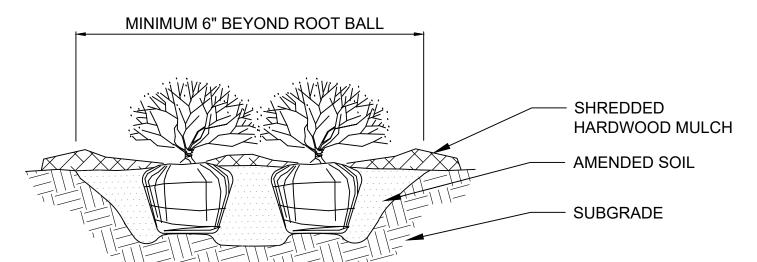
#### THIRD YEAR:

 THIRD YEAR: BY THE END OF THE THIRD GROWING SEASON, THE PLANTED AREAS (E.G. WETLAND, PRAIRIE) SHALL HAVE A MINIMUM OF 75 PERCENT GROUND COVER AND EMERGENT AREAS SHALL HAVE MINIMUM OF 35 PERCENT GROUND COVER (BY SPECIES IN THE APPROVED PLANT LIST AND/OR NATIVE SPECIES WITH NATIVE COEFFICIENT OF CONSERVATION (C-) VALUES OF 2 OR GREATER. THE CUMULATIVE PLANT LIST, ACROSS ALL VEGETATIVE COMMUNITIES SHALL HAVE A MINIMUM NATIVE FLORISTIC QUALITY INDEX (FQI) OF 20 AND A (C-) VALUE OF 3.5 OR GREATER.

#### SECOND AND THIRD YEAR ADDITIONAL PERFORMANCE STANDARDS:

- NATURALIZED LANDSCAPES SHALL NOT HAVE MORE THAN ONE SQUARE-METER DEVOID OF VEGETATION, AS MEASURED BY AERIAL COVERAGE.
- SEEDED/PLANTED AREAS (EXCLUDING EMERGENT ZONE) SHALL HAVE NO RILLS OR GULLIES GREATER THAN FOUR INCHES WIDE BY FOUR INCHES DEEP.
- AREAS SEEDED TO TURFGRASS OR LOW-MAINTENANCE TURF SHALL HAVE 95 PERCENT GROUND COVER.
- INSTALLED WOODY MATERIALS WITHIN THE NATURALIZED LANDSCAPE AREA SHALL BE ALIVE, IN HEALTHY CONDITION, AND REPRESENTATIVE OF THE SPECIES.
- NO MORE THAN 25 PERCENT OF ANY SPECIFIC PLANT COMMUNITY SHALL BE INDIVIDUALLY OR COLLECTIVELY DOMINATED BY NON-NATIVE OR WEEDY SPECIES.

MONTH	VISITS BY CREW	HERBICIDE	BRUSH CLEARING	MOW	COLLECT & DISPERSE	MONITORING
APRIL	0-1	Х	X			
MAY	1-2	Х	Х	Х	Х	Х
JULY	1-2	Х		Х	Х	Х
AUGUST	1-2	Х		Х		Х
SEPTEMBER	0-1	Х		Х		Х
OCTOBER	1-2	Х	Х	Х	Х	Х
NOVEMBER	0-1	Х	Х		Х	Х
DECEMBER - MARCH	0-1	X	Х		Х	



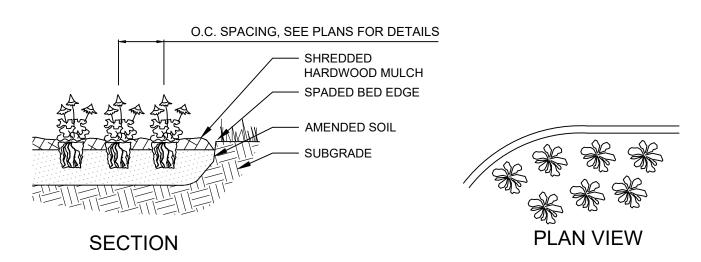
#### NOTES:

- SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL (CONTAINER) SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR LARGER SHRUBS WITHIN
- PLANTING BED DIG A DEEPER PIT ONLY FOR THOSE SHRUBS. 3. REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL. TWINE AND (IF USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO INSTALLATION
- REMOVE OR CORRECT GIRDLING ROOTS. 5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN
- 6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR SHRUBS EXTEND TO ALL LIMITS OF PLANTING BED. SEE PLANS FOR BED LAYOUTS.



#### NOTES:

- EXCAVATE PLANTING BED.
- 2. BED HEIGHT IS TO BE 2" ABOVE FINISH GRADE AND WELL DRAINED. 3. REMOVE CONTAINER, SCORE SOIL MASS TO REDIRECT AND PREVENT CIRCLING
- ROOTS. CORRECT GIRDLING ROOTS. 2. PLANT MATERIAL SHALL BE LAID OUT BY FOLLOWING THE BED EDGE, WORKING TOWARDS THE CENTER OF THE BED USING TRIANGULAR (STAGGERED) SPACING
- AS PLAUSIBLE 3. PLUMB AND BACKFILL WITH PLANTING MIX AS SPECIFIED IN LANDSCAPE NOTES.
- 4. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR PERENNIALS/GROUNDCOVER EXTEND TO ALL LIMITS OF PLANTING BED, SEE
- PLANS FOR BED LAYOUTS. 5. SPACING TO BE AS SPECIFIED IN THE PLANT LIST. PERENNIALS SHALL BE PLACED WITH THEIR CENTER 24" FROM EDGE OF BED.





# NATURAL AREA NOTES

- 1. ALL WORK DEEMED NATURAL AREA TO BE SEEDED OR PLANTED SHALL BE PERFORMED BY A NATURALS AREA CONTRACTOR WITH AT LEAST 5 YEARS OF DOCUMENTED EXPERIENCE IN SELECTIVE BRUSH CLEARING, PLANTING OF NATIVE SPECIES, AND NATURAL AREAS MANAGEMENT FOR THE PURPOSE OF ECOLOGICAL RESTORATION, AND SHALL BE ABLE TO DEMONSTRATE THERE KNOWLEDGE THROUGH REFERENCES AND IN THE FIELD.
- 2. SEED LIMIT LINES ARE APPROXIMATE. THE NATURAL AREAS CONTRACTOR SHALL SEED ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/PLUG MIXES.
- 3. SEED, LIVE PLUGS, OR BARE ROOT PLANTS SHALL BE OBTAINED FROM SOURCES SPECIALIZING IN NATIVE SPECIES. SEED AND PLANT STOCK SHALL BE SOURCED NO MORE THAN 350 MILES FROM THE JOB SITE.
- 4. ALL SEED MIXES SHALL BE INSTALLED WITH A GRANULAR FORM OF ENDOMYCORRHIZAL INOCULUM PER THE SUPPLIERS SPECIFICATIONS. COVER CROP IS TO BE APPLIED TO ALL SEED MIXES CONSISTING ONLY OF AVENA SATIVA (SEED OATS) FOR SPRING INSTALLATIONS OR REGREEN (WHEAT HYBRID) FOR FALL PLANTINGS. NO OTHER COVER CROP IS TO BE USED ON
- 5. STANDARD EROSION CONTROL BLANKET SHALL BE APPLIED TO ALL SEEDED AREAS WITH SINGLE TO DOUBLE NET STRAW AND DOUBLE NET STRAW/COCONUT BLANKET HYDROSEEDING IS
- **UNACCEPTABLE** 6. LIVE PLUG AND BARE ROOT INSTALLATION SHALL BE ACCOMPANIED BY GOOSE EXCLOSURE FOR UP TO 12 MONTHS AFTER INSTALLATION. NATURAL AREAS CONTRACTOR TO REMOVE AT OWN EXPENSE AFTER 12 MONTHS.
- 7. STEWARDSHIP OF THE NATURAL AREA SHALL BE CONDUCTED BY A NATURAL AREAS CONTRACTOR TO BEGIN IMMEDIATELY AFTER INSTALLATION FOR THREE YEARS.

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NATURAL AREA NOTES

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### LANDSCAPE NOTES

- 1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
- 2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
- 3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- 5. ALL PLANTS TO BE SPECIMEN GRADE, WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, AND SCARS. PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES. PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS PART OF THIS CONTRACT.
- 5. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
- 7. ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNERS WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
- 8. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
- 9. PRUNE PLANTS AS NECESSARY- PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
- 10. TOPSOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 6 INCHES BELOW FINISHED GRADE IN TURF AREAS AND 18 INCHES IN PLANTING AREAS.
- 11. PLANTING AREA TOPSOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 70% PULVERIZED SOIL FOR ALL NON TURF SEED MIX AREAS, SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS.
- 12. SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.
- 13. EDGING TO BE A SPADED EDGE UNLESS INDICATED OTHERWISE ON THE PLANS. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
- 14. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUNDCOVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH.
- 15. INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
- 16. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
- 17. ALL DISTURBED AREAS TO BE SODDED OR SEEDED, UNLESS OTHERWISE NOTED. SOD/SEED SHALL BE LOCAL HARDY TURF GRASS MIX UNLESS, OTHERWISE NOTED.
- 18. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES

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	AS NOTED				
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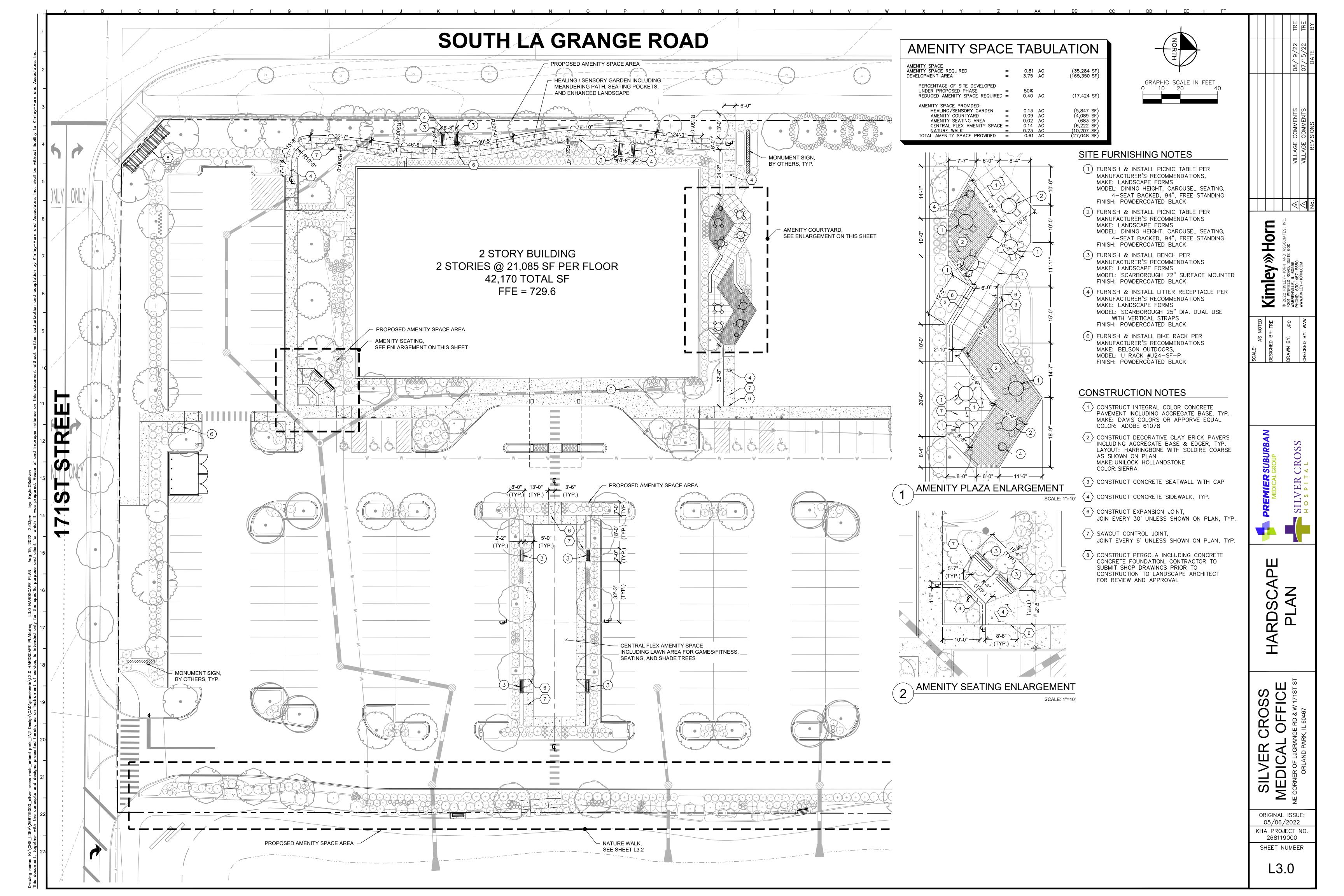
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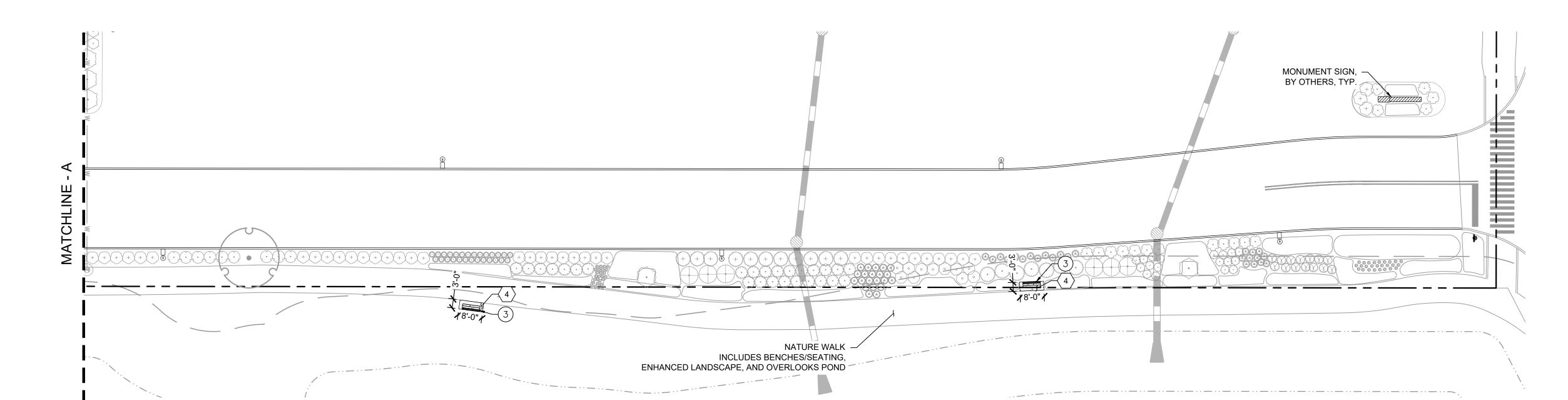
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(1) FURNISH & INSTALL PICNIC TABLE PER MANUFACTURER'S RECOMMENDATIONS. MAKE: LANDSCAPE FORMS MODEL: DINING HEIGHT, CAROUSEL SEATING, 4-SEAT BACKED, 94", FREE STANDING FINISH: POWDERCOATED BLACK

FURNISH & INSTALL PICNIC TABLE PER MANUFACTURER'S RECOMMENDATIONS MAKE: LANDSCAPE FORMS MODEL: DINING HEIGHT, CAROUSEL SEATING, 4-SEAT BACKED, 94", FREE STANDING FINISH: POWDERCOATED BLACK

- (3) FURNISH & INSTALL BENCH PER MANUFACTURER'S RECOMMENDATIONS MAKE: LANDSCAPE FORMS MODEL: SCARBOROUGH 72" SURFACE MOUNTED FINISH: POWDERCOATED BLACK
- (4) FURNISH & INSTALL LITTER RECEPTACLE PER MANUFACTURER'S RECOMMENDATIONS MAKE: LANDSCAPE FORMS MODEL: SCARBOROUGH 25" DIA. DUAL USE WITH VERTICAL STRAPS FINISH: POWDERCOATED BLACK
- (6) FURNISH & INSTALL BIKE RACK PER MANUFACTURER'S RECOMMENDATIONS MAKE: BELSON OUTDOORS, MODEL: U RACK #U24-SF-P FINISH: POWDERCÖATED BLACK

#### **CONSTRUCTION NOTES**

- (1) CONSTRUCT INTEGRAL COLOR CONCRETE PAVEMENT INCLUDING AGGREGATE BASE, TYP. MAKE: DAVIS COLORS OR APPORVE EQUAL COLOR: ADOBE 61078
  - (2) CONSTRUCT DECORATIVE CLAY BRICK PAVERS INCLUDING AGGREGATE BASE & EDGER, TYP. LAYOUT: HARRINGBONE WITH SOLDIRE COARSE AS SHOWN ON PLAN MAKE: UNILOCK HOLLANDSTONE COLOR: SIERRA
  - (3) CONSTRUCT CONCRETE SEATWALL WITH CAP
  - 4 CONSTRUCT CONCRETE SIDEWALK, TYP.
  - $\langle 6 \rangle$  CONSTRUCT EXPANSION JOINT, JOIN EVERY 30' UNLESS SHOWN ON PLAN, TYP.
  - $\overline{\langle 7 \rangle}$  SAWCUT CONTROL JOINT, JOINT EVERY 6' UNLESS SHOWN ON PLAN, TYP.
  - (8) CONSTRUCT PERGOLA INCLUDING CONCRETE CONCRETE FOUNDATION, CONTRACTOR TO SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL

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LAYOUT AND MATERIALS NOTES

1. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS. 2. SHOULD SITE CONDITIONS BE DIFFERENT THAN WHAT IS INDICATED ON THE DRAWINGS CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION. 3. CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR ALL SUB-GRADE COMPACTION UNDER

PAVED AREAS. COORDINATE ALL COMPACTION TESTING WITH OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF ANY PAVING THAT CRACKS OR MOVES RESULTING FROM IMPROPER COMPACTION.

4. CURVED WALKS AND CURB EDGES ARE INTENDED TO BE CONSTRUCTED WITH SMOOTH FLOWING CURVES. ANYTHING OTHER THAN SMOOTH FLOWING CURVES WILL BE REJECTED.

5. THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ALL PERMITS WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK.

6. THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

7. THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES IS PROHIBITED AT THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE THE STORM SEWER IS PROHIBITED.

8. LAYOUT WALKS, SCORE JOINTS AND PAVING PATTERNS AS CLOSELY AS POSSIBLE TO PLANS, DETAILS, AND SPECIFICATIONS. DO NOT DEVIATE FROM PLANS UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE OWNER'S REPRESENTATIVE.

9. CONCRETE EDGES, SAW CUTS AND/OR TROWELED SCORE JOINTS SHALL BE CRISP, CLEAN, COMPLETE AND NEAT IN APPEARANCE. LOCATE ALL JOINTS AS IDENTIFIED ON THE PLANS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

10. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF

11. CONTRACTOR SHALL PROVIDE ALL PROTECTION AND FACILITIES NECESSARY TO INSURE PROPER CURING AND FINISH OF PAVING.