

VICINITY PLAN
N.T.S.

SITE DATA **FLOOD DATA**

IMPERVIOUS SURFACE RATIO
PAVEMENT AREA = 2.8 ACRES
ISR = 28/112=0.39

COMMUNITY PANEL NO. : 390038
ZONE :
PANEL NO.:00059
EFFECTIVE DATE: MARCH 15, 1979

PARKING ANALYSIS
AUTOMOBILE = 200 SPACES

ZONING = ZONE A, SINGLE FAMILY RESIDENTIAL
AREA = 4.807 ACRES

WELCOME CENTER, ADMINISTRATIVE OFFICES, AND ROBOTICS LAB SITE INFORMATION
TOTAL AREA = 1.406 ACRES
R/W AREA = 0.393 ACRES
NET AREA = 1.013 ACRES

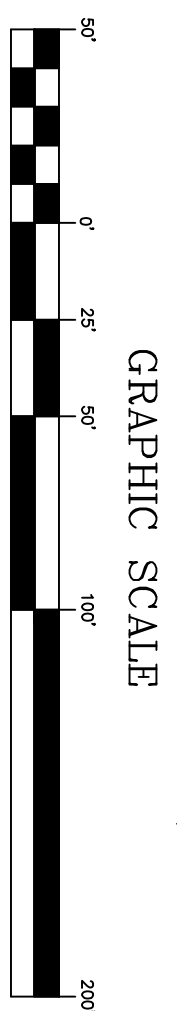
BACK REFERENCE

DEED REFERENCE:
Pg 7975, Pg 2086

PARCEL #400-0022-0036 DB 7975, Pg 2086
PARCEL #400-0022-0035 DB 8484, Pg 1072
PARCEL #400-0022-0033 DB 8840, Pg 1072
PARCEL #400-0022-0034 OR 1184, Pg 1331

SITUATED IN
SECTION 7, TOWN 3, RANGE 2
SYCAMORE TOWNSHIP
HAMILTON COUNTY, OHIO

OWNER
CINCINNATI HILLS CHRISTIAN ACADEMY
11525 SNIDER ROAD
CINCINNATI, OHIO 45249



GRAPHIC SCALE

DETECTION REQUIREMENTS

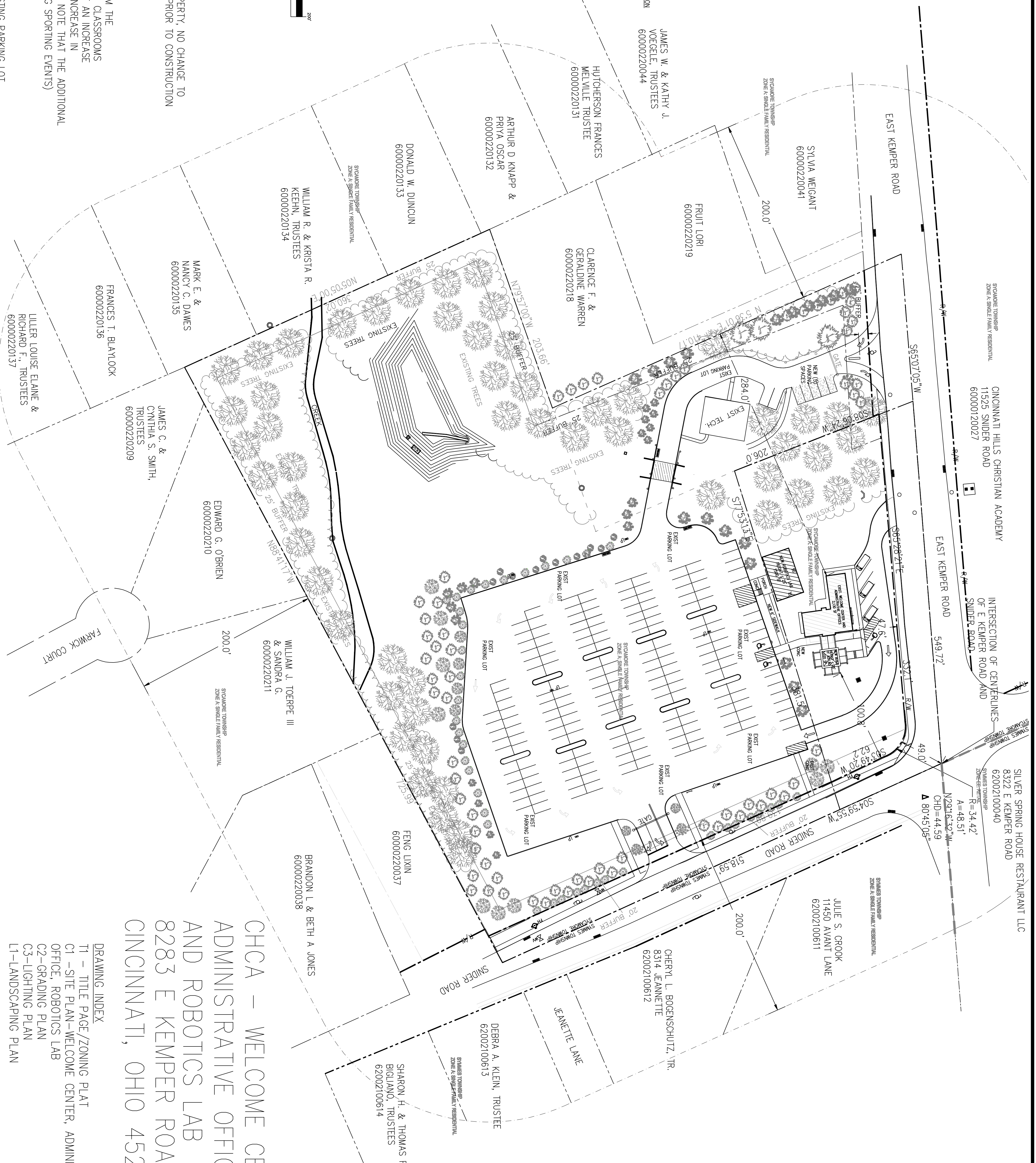
EXISTING REGIONAL DETENTION AT THE REAR OF PROPERTY. NO CHANGE TO DETENTION AND DISCHARGE FROM SITE IS THE SAME PRIOR TO CONSTRUCTION DUE TO ADDITIONAL ASPHALT REMOVED.

MSD REQUIREMENTS

EXISTING SANITARY SEWER SERVICE IS AVAILABLE FROM THE EXISTING SCHOOL BUILDING. NO ADDITIONAL HOMEROOM CLASSROOMS WILL BE CREATED BY THESE ADDITIONS. THERE IS NOT AN INCREASE IN THE NUMBER OF OCCUPANTS AND THEREFORE NO INCREASE IN SANITARY SEWER DISCHARGE IS EXPECTED. (PLEASE NOTE THAT THE ADDITIONAL PARKING IS TO PROVIDE OFF STREET PARKING DURING SPORTING EVENTS)

LIGHTING REQUIREMENTS

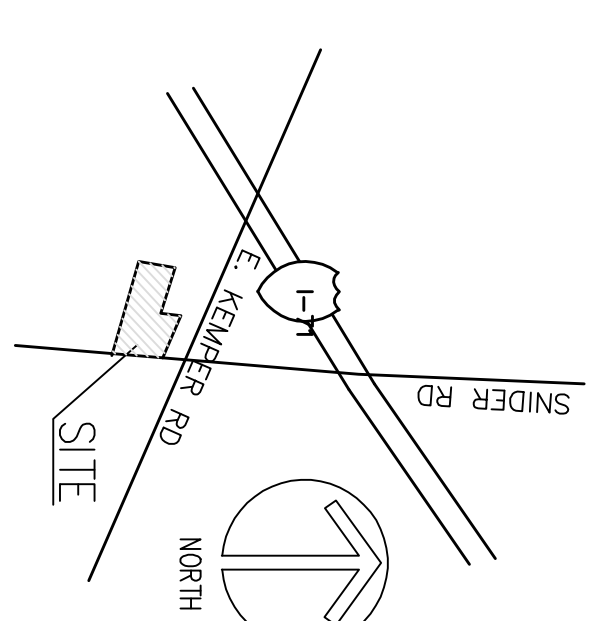
NO ADDITIONAL LIGHT POLES TO BE PROVIDED TO EXISTING PARKING LOT



CHCA – WELCOME CENTER,
ADMINISTRATIVE OFFICES,
AND ROBOTICS LAB
8283 E KEMPER ROAD
CINCINNATI, OHIO 45249

- DRAWING INDEX**
- T1 – TITLE PAGE/ZONING PLAT
 - C1 – SITE PLAN-WELCOME CENTER, ADMINISTRATION OFFICE, ROBOTICS LAB
 - C2-GRADING PLAN
 - C3-LIGHTING PLAN
 - L1-LANDSCAPING PLAN

	<p>PROPOSED SITE DEVELOPMENT PLAN FOR: CINCINNATI HILLS CHRISTIAN ACADEMY</p> <p>8283 KEMPER ROAD SYCAMORE TWP, HAMILTON CO., OHIO</p> <p>LEESMAN ENGINEERING & ASSOC. ENGINEERING, SURVEYING, PLANNING 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420</p>			<p>ISSUED/REVISIONS</p>
<p>DRAWING TITLE SITE DEVELOPMENT PLAN ZONING PLAT</p>	<p>DATE: 11/17/15 DRAWN: CHCA CHECKED: MDC SIL</p>	<p>DRAWING NO. T1</p>		



LEGEND

- β - UTILITY POLE
- SAN - SANITARY SEWER
- W - WATERMAIN
- GAS - GASMAIN PIPE
- - IP SET - 1/2"
- - PK SET
- - IP FOUND - 1/2"
- X - CROSS NOTCH SET

SITE DATA

IMPERVIOUS SURFACE RATIO
 PAYMENT AREA = 2.8 ACRES
 SR = 28.7/17 = 0.39
 SR = 39%

PARKING ANALYSIS
 AUTOMOBILE = 200 SPACES
 SITE DATA
 ZONING = ZONE A, RESIDENTIAL
 LOT AREA = 712 ACRES

VICINITY PLAN

N.T.S.

FLOOD DATA

COMMUNITY PANEL NO. : 390038
 ZONE : C
 SITE DATA NO. 00058
 EFFECTIVE DATE: MARCH 15, 1979

BACK REFERENCE

BEARING SYSTEM ERROR:
 PG 193, 19 2.089

DEED REFERENCE:
 PARCEL #600-0022-0035 PG 2086
 PARCEL #600-0022-0035 DB 8484, PG 1072
 PARCEL #600-0022-0185 DB 8840, PG 1097

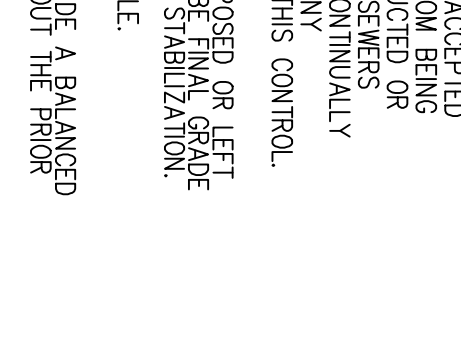
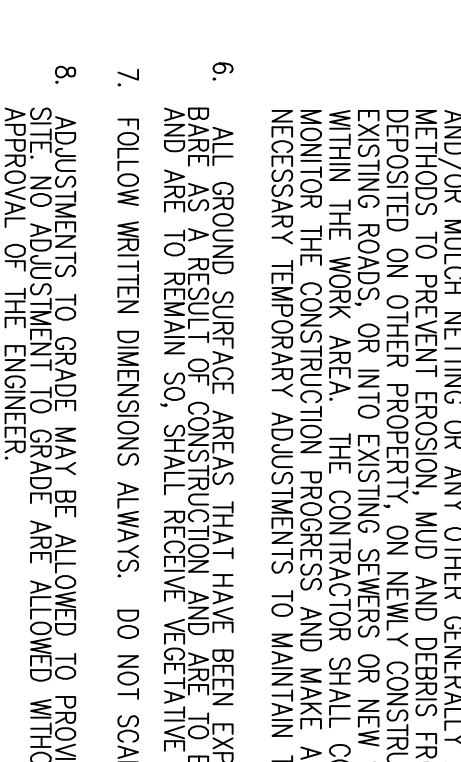
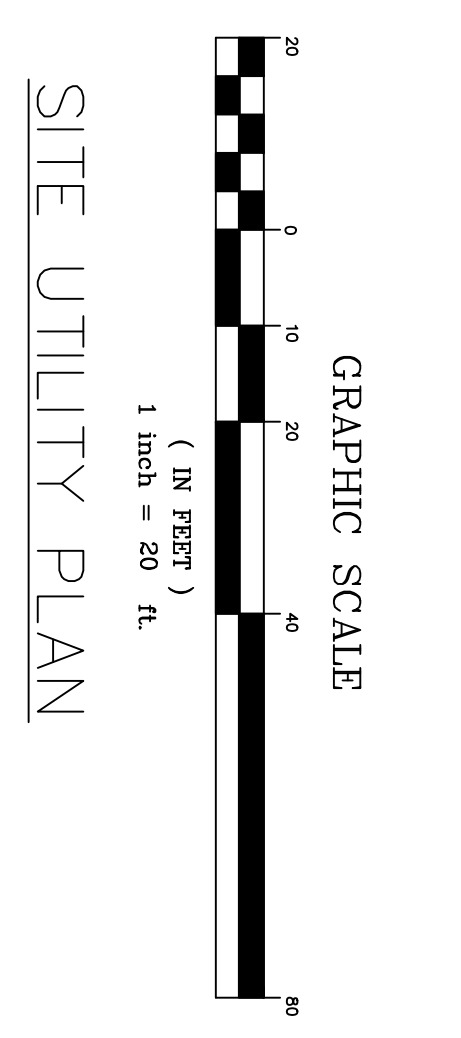
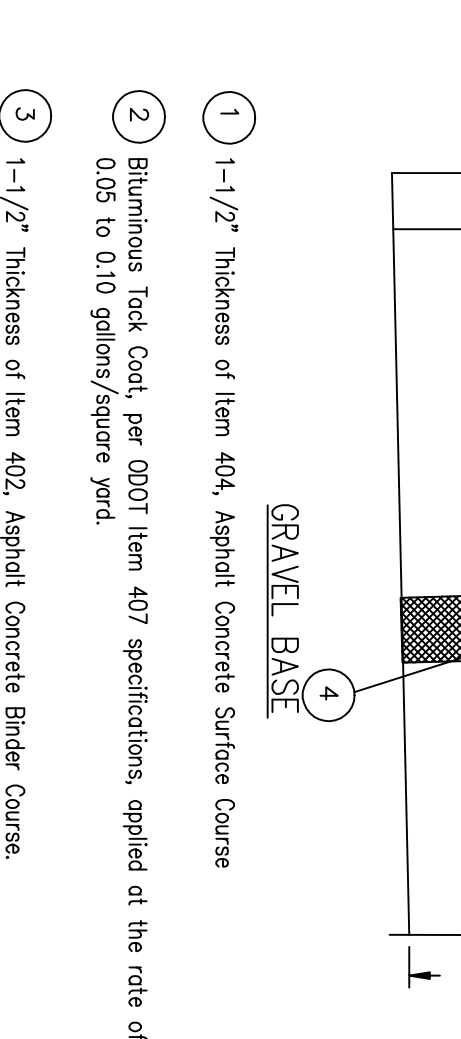
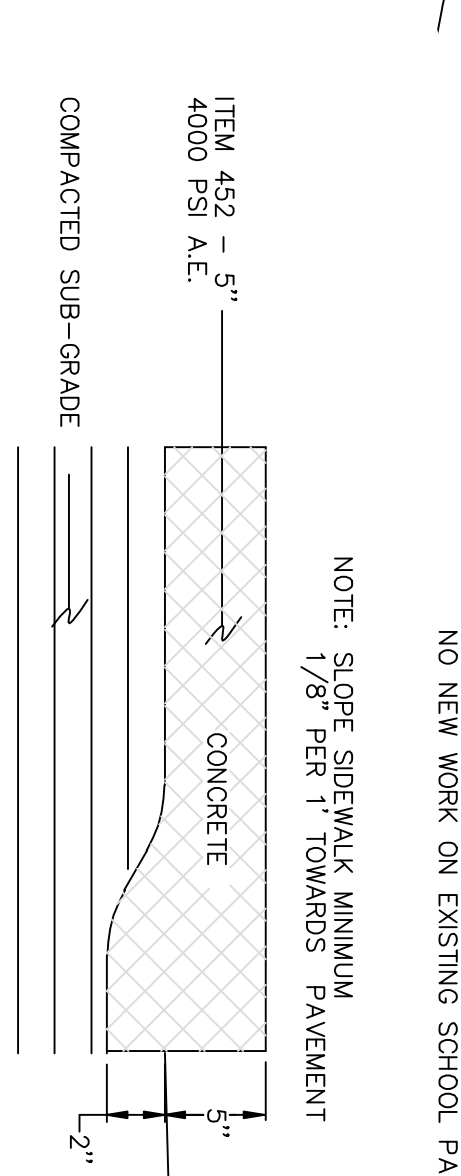
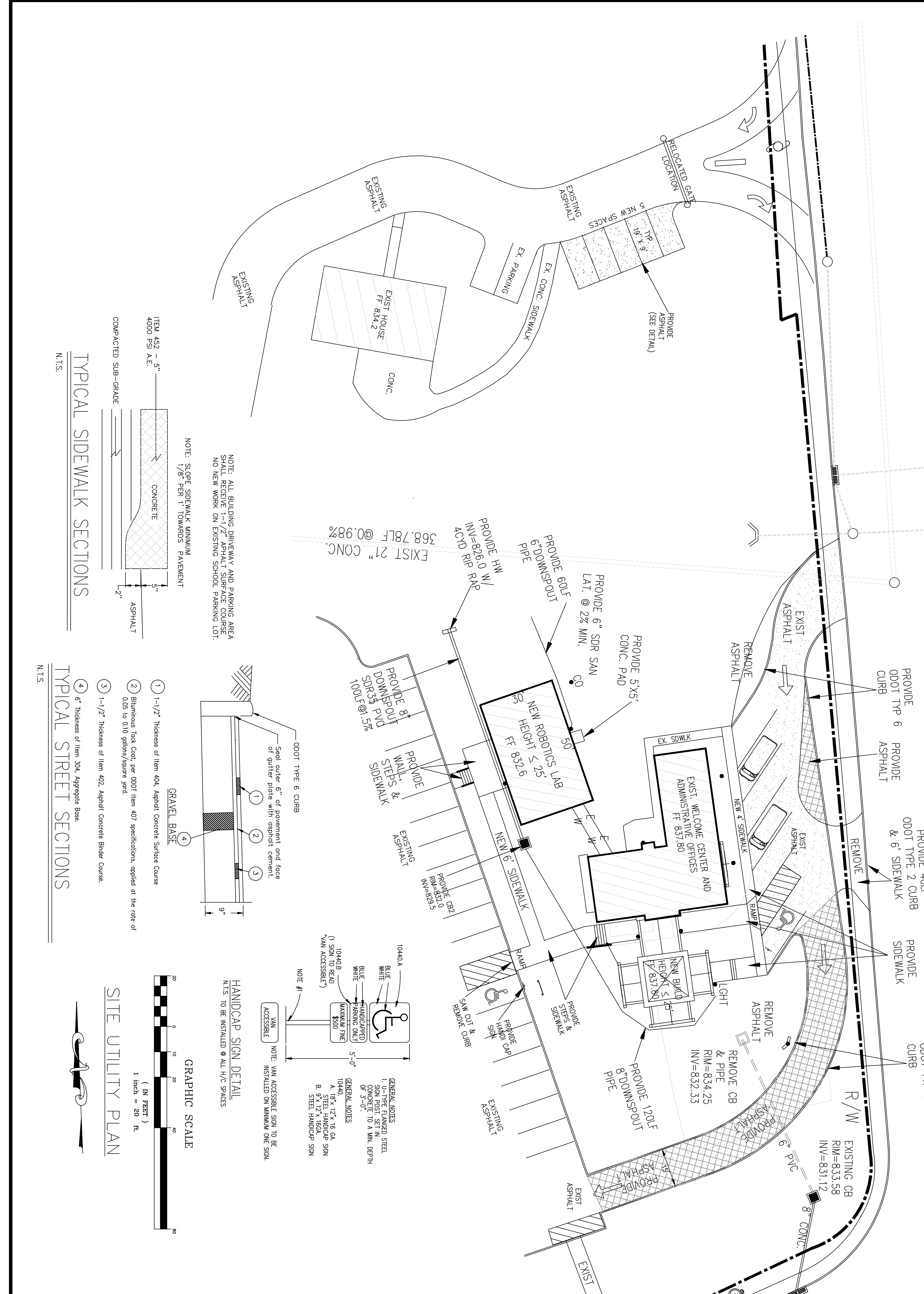
SITUATED IN RANGE 2
 STAMBORE TOWNSHIP
 HAMILTON COUNTY, OHIO

OWNER

CINCINNATI HILLS CHRISTIAN ACADEMY
 11525 SNIDER ROAD
 CINCINNATI, OHIO 45249

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS IN THE AREA OF PROPOSED WORK. IF CONDITIONS OTHER THAN THOSE SHOWN ON THE DRAWINGS ARE ENCOUNTERED, THE CONTRACTOR MUST NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
2. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THE PLAN FOR PLANNING PURPOSES ONLY AND HAVE BEEN OBTAINED BY FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS AND ARE DELETED TO BE CORRECTED BEFORE BEGINNING CONSTRUCTION. CONTACT THE UTILITIES PROTECTION SERVICE, 900-462-2764, AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING STRUCTURES AND UTILITIES DURING OR RESULTING FROM CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING AND REPAIRING ALL UTILITIES ORDERED TO COMPLETE AND UNDERGROUND UTILITIES OVERHEAD.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, INSPECTIONS, ETC. COORDINATION REQUIRED BY THE APPLICABLE UTILITY. THE CONTRACTOR SHALL MAKE ALL RESTORATION, REPLACEMENT AND REPAIRS IN ACCORD WITH THE APPLICABLE REQUIREMENTS OF THE UTILITY.
6. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORD WITH THE LATEST EDITION OF THE STATE OF OHIO CONSTRUCTION AND MATERIAL SPECIFICATIONS AND AS FOLLOWS:
7. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS, EARTH Dikes, TEMPORARY OR PERMANENT SEDIMENT MOUNDING AND/OR MUDHOLDING OR ANY OTHER GENERALLY ACCEPTED METHODS TO PREVENT EROSION, MUD AND DEBRIS FROM BEING DEPOSITED ON OTHER PROPERTY, ON NEWLY CONSTRUCTED OR EXISTING PROPERTY AND TO THE CONSTRUCTION SITE CONTINUALLY WITHIN THE WORK AREA. THE CONTRACTOR SHALL CONTINUALLY MONITOR THE CONSTRUCTION PROGRESS AND MAKE ANY NECESSARY TEMPORARY ADJUSTMENTS TO MAINTAIN THIS CONTROL.
8. ALL GRADING SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO BE FINAL GRADE AND ARE TO REMAIN 50' SHALL RECEIVE VEGETATIVE STABILIZATION.
9. FOLLOW WRITTEN DIMENSIONS ALWAYS. DO NOT SCALE.
10. ADJUSTMENTS TO GRADE MAY BE ALLOWED TO PROVIDE A BALANCED SCHEDULE AND SCHEDULE ARE ALLOWED WITHIN THE PAVED PERIOD OF THE CONSTRUCTION.
11. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORD WITH HAMILTON COUNTY AND ODOT DETAILS AND SPECIFICATIONS.
12. SET ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS
13. LIGHTING TO BE SHOWN ON BUILDING WITH ARCHITECTURAL PLANS
14. ROOF DRAINS, FOUNDATION DRAINS AND OTHER STORM WATER CONNECTIONS TO SANITARY SEWER ARE PROHIBITED



STL engineers

CINCINNATI HILLS CHRISTIAN ACADEMY
 11525 SNIDER ROAD
 CINCINNATI, OHIO 45249

LEESMAN ENGINEERING & ASSOC.
 ENGINEERING, SURVEYING, PLANNING
 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420

DRAWING TITLE
 ROBOTICS LAB WELCOME CENTER SITE PLAN

DRAWING NO.
 C1

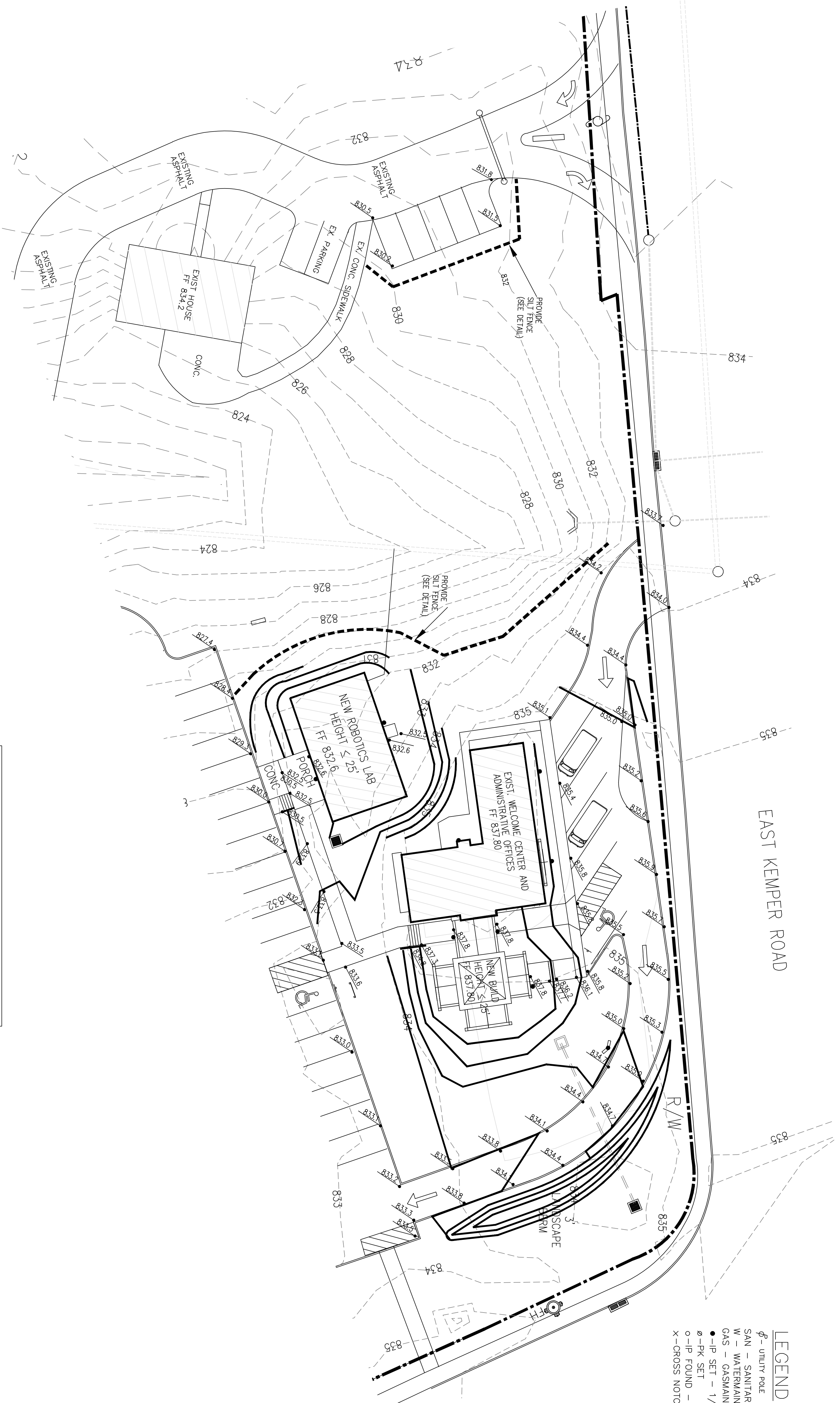
PROJ. NO.
 CHCA

DATE
 11/17/15

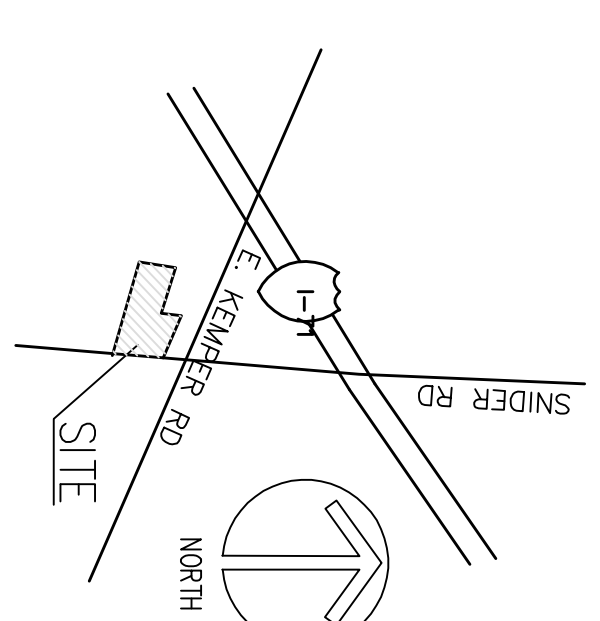
DRAWN
 S.L.

CHECKED
 S.L.

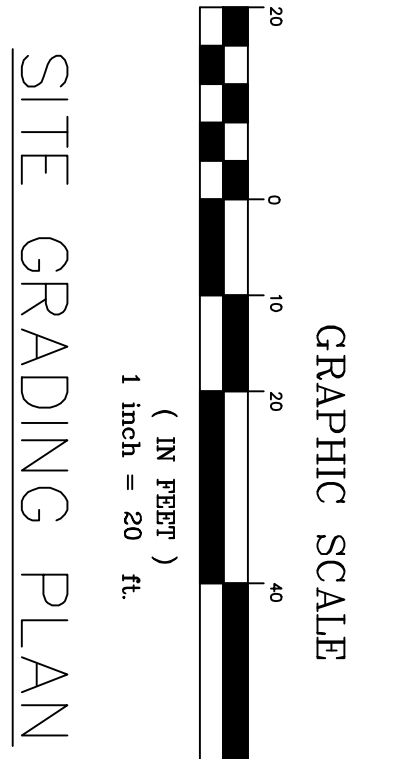
ISSUE DATES



- LEGEND**
- ϕ - UTILITY POLE
 - SAN - SANITARY SEWER
 - W - WATERMAIN
 - GAS - GASMAIN PIPE
 - - IP SET - 1/2"
 - - IP SET
 - - IP FOUND - 1/2"
 - x - CROSS NOTCH SET



FLOOD DATA
 COMMUNITY PANEL NO.: 390038
 ZONE C
 DATE: 05/12/08
 EFFECTIVE DATE: MARCH 15, 1979



SITE GRADING PLAN

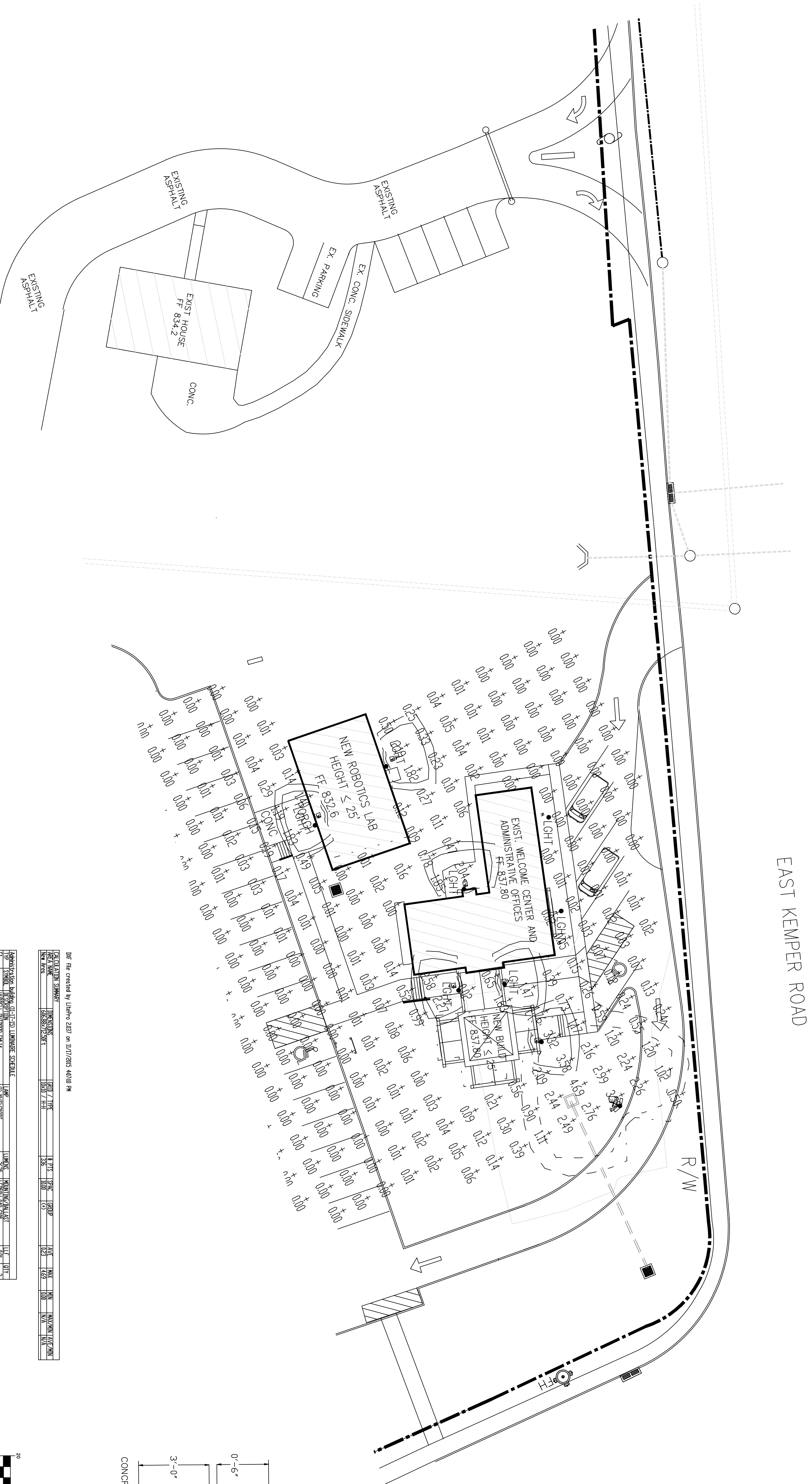
SEED MIX	SEEDING RATE		NOTES
	LB./AC.	EQ./1000 SQ.FT.	
GENERAL USE			
OPENING BED FESSE	20-40	1/2-1	MARCH 1 TO AUGUST 15
DOMESTIC REGRASS	10-20	1/4-1/2	
KENTUCKY BLUEGRASS	10-20	1/4-1/2	
TALL FESSE	40	1	
DWARF FESSE	40	1	
STRIP BANKS OR CUT STOPS			
TALL FESSE	20-40	1	
CROWN VETCH TALL FESSE	10-20	1/4-1/2	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESSE	20	1/2	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SMUTS			
TALL FESSE	40	1	
DWARF FESSE	40	2 1/2	
KENTUCKY BLUEGRASS	5		
KENTUCKY BLUEGRASS	60	1 1/2	
PERENNIAL REGRASS	60	1 1/2	
KENTUCKY BLUEGRASS	60	1 1/2	
OPENING BED FESSE	60	1 1/2	FOR SHARED AREAS

SPECIES	SEEDING RATE		SEEDING DATES
	LB./AC.	EQ./1000 SQ.FT.	
OATS	4	3	MARCH 1 TO AUGUST 15
ANNUL. REGRASS	40	1	
PERENNIAL REGRASS	40	1	
TALL FESSE	40	1	
ANNUL. REGRASS	40	1	
ANNUL. REGRASS	40	1	
TALL FESSE	40	1	
ANNUL. REGRASS	40	1	
RTE	2	3	AUGUST 16 TO NOVEMBER 1
TALL FESSE	40	1	
ANNUL. REGRASS	40	1	
WEED	2	3	
TALL FESSE	40	1	
ANNUL. REGRASS	40	1	
ANNUL. REGRASS	40	1	
TALL FESSE	40	1	
ANNUL. REGRASS	40	1	

EROSION CONTROL NOTES

1. EIGHTY-EIGHT (88) HOURS PRIOR TO ANY EARTH WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DEPARTMENT.
2. EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SPECIFIED BY THE CONTRACTOR AND REPAIRED DAILY AND REVIEW UPON REQUEST.
4. IN ADDITION TO THE EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE MINIMUM CONTROLS. ADDITIONAL MEASURES MAY BE REQUIRED BY THE CITY ENGINEER.
5. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO REMAIN GRAVE AND ARE TO REMAIN SO SHALL BE SEEDING AND MULCHED AS SOON AS PRACTICABLE. DISTURBED AREAS THAT LEAD TO EROSION SHALL BE REINSTALLED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, OVERSEE, TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE REPAIRS FOR THE REMOVAL OF THE TEMPORARY SEDIMENT DEVICES AT THE CONCLUSION OF CONSTRUCTION.
6. EARTH IMPROVEMENTS IN THE DEVELOPMENT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL TAKE SOIL MEASURES AS ARE NECESSARY TO PREVENT EROSION OF EXPOSED SURFACES INTO ROADWAYS, INTO DRAINAGE CORSESS, STORM SEWERS, OR INTO OTHER AREAS. SOIL MEASUREMENTS SHALL BE PERFORMED ON A REGULAR BASIS ON A SCHEDULE FREQUENT WITH THE DRAINAGE DESIGN ORIGINATES FROM THE EARTH MOVING OPERATIONS.
7. ALL MUD/DIRT TRACKED ONTO THE STREET OR SEDIMENT SETTLED ALONG THE CURB/GUTTER LINE SHALL BE REMOVED IMMEDIATELY.
8. TEMPORARY SOIL STOCK PILES SHALL BE PROTECTED FROM EROSION WITH Silt Fence or other means.
9. EROSION CONTROL MEASURES, INCLUDING MATERIALS, CONCRETE BLOCK WALLS, SWALES, UTILITY AND SANITARY WASTE SHALL BE REMOVED FROM THE SITE UPON COMPLETION.

ISSUE DATES S J L engineers	CINCINNATI HILLS CHRISTIAN ACADEMY 11525 SNIDER ROAD CINCINNATI, OHIO 45249 LEESMAN ENGINEERING & ASSOC. ENGINEERING, SURVEYING, PLANNING 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420		VICINITY PLAN FLOOD DATA COMMUNITY PANEL NO.: 390038 ZONE C DATE: 05/12/08 EFFECTIVE DATE: MARCH 15, 1979
DRAWING TITLE ROBOTICS LAB WELCOME CENTER GRADE PLAN	DRAWING NO. C2		



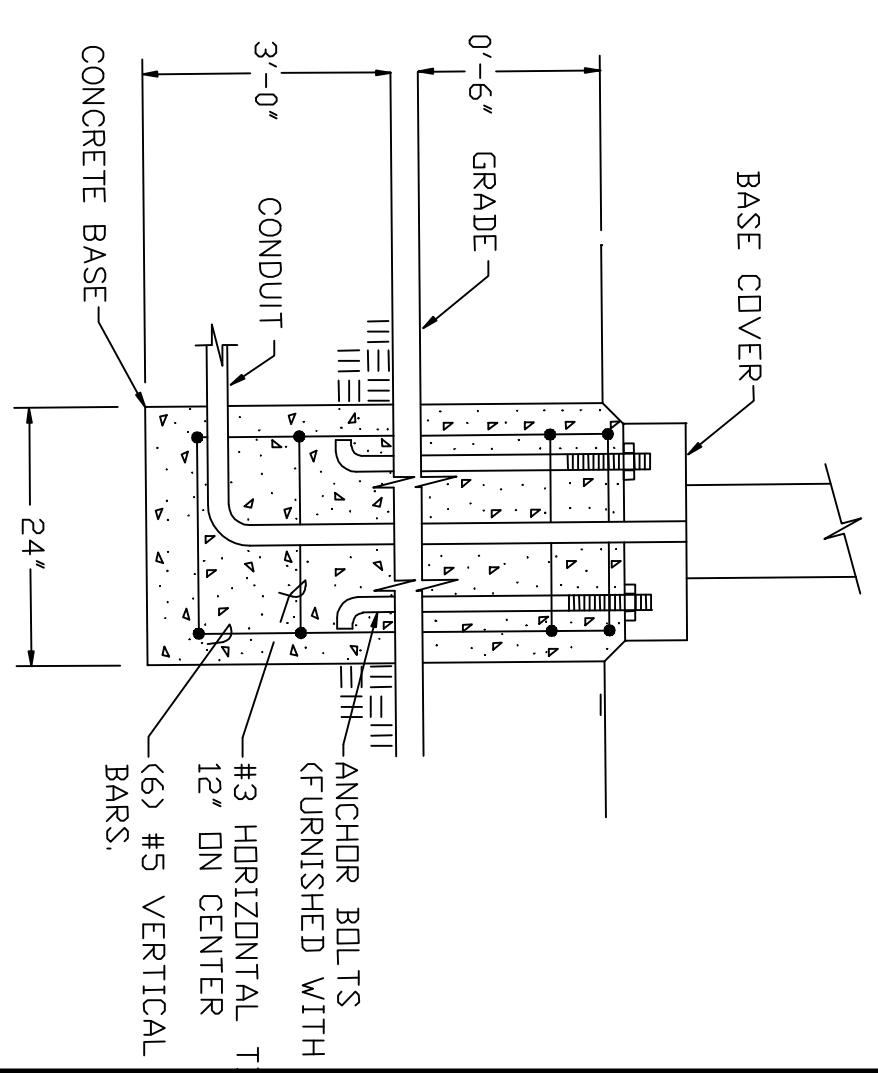
EAST KEMPER ROAD

DNF file created by Uthman 2/27/20 on 11/17/2015 4:01:00 PM

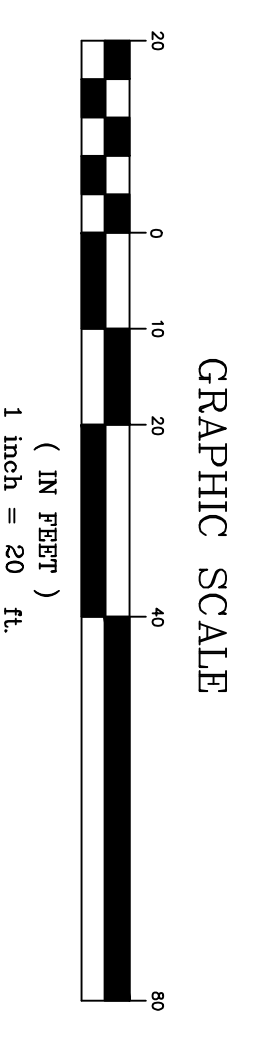
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11/17/2015	ISSUED FOR PERMIT	Uthman	
11/17/2015	ISSUED FOR PERMIT	Uthman	

NO.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR PERMIT	11/17/2015	Uthman	
2	ISSUED FOR PERMIT	11/17/2015	Uthman	

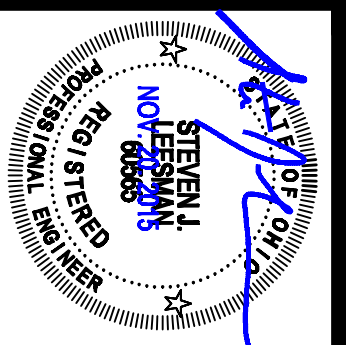
NO.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR PERMIT	11/17/2015	Uthman	
2	ISSUED FOR PERMIT	11/17/2015	Uthman	



LIGHT BASE DETAIL
NOT TO SCALE



LIGHTING PLAN



CINCINNATI HILLS CHRISTIAN ACADEMY
11525 SNIDER ROAD CINCINNATI, OHIO 45249
LEESMAN ENGINEERING & ASSOC.
ENGINEERING, SURVEYING, PLANNING
2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420

SJL
engineers

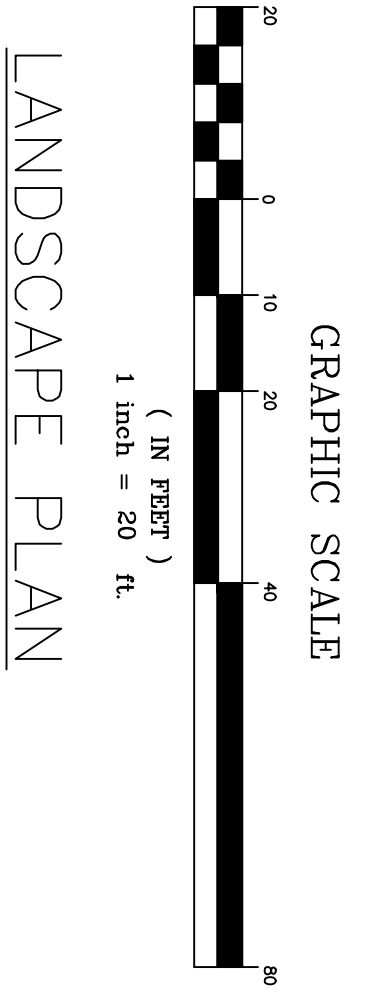
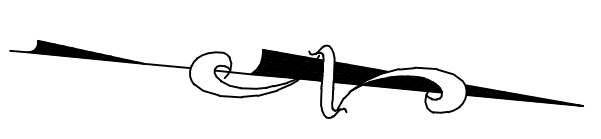
DRAWING TITLE
ROBOTICS LAB
WELCOME CENTER
LIGHTING PLAN

PROJ. NO.	DATE
CHCA	11/6/15
DRAWN	CHECKED
S.L.	S.L.

DRAWING NO.
C3

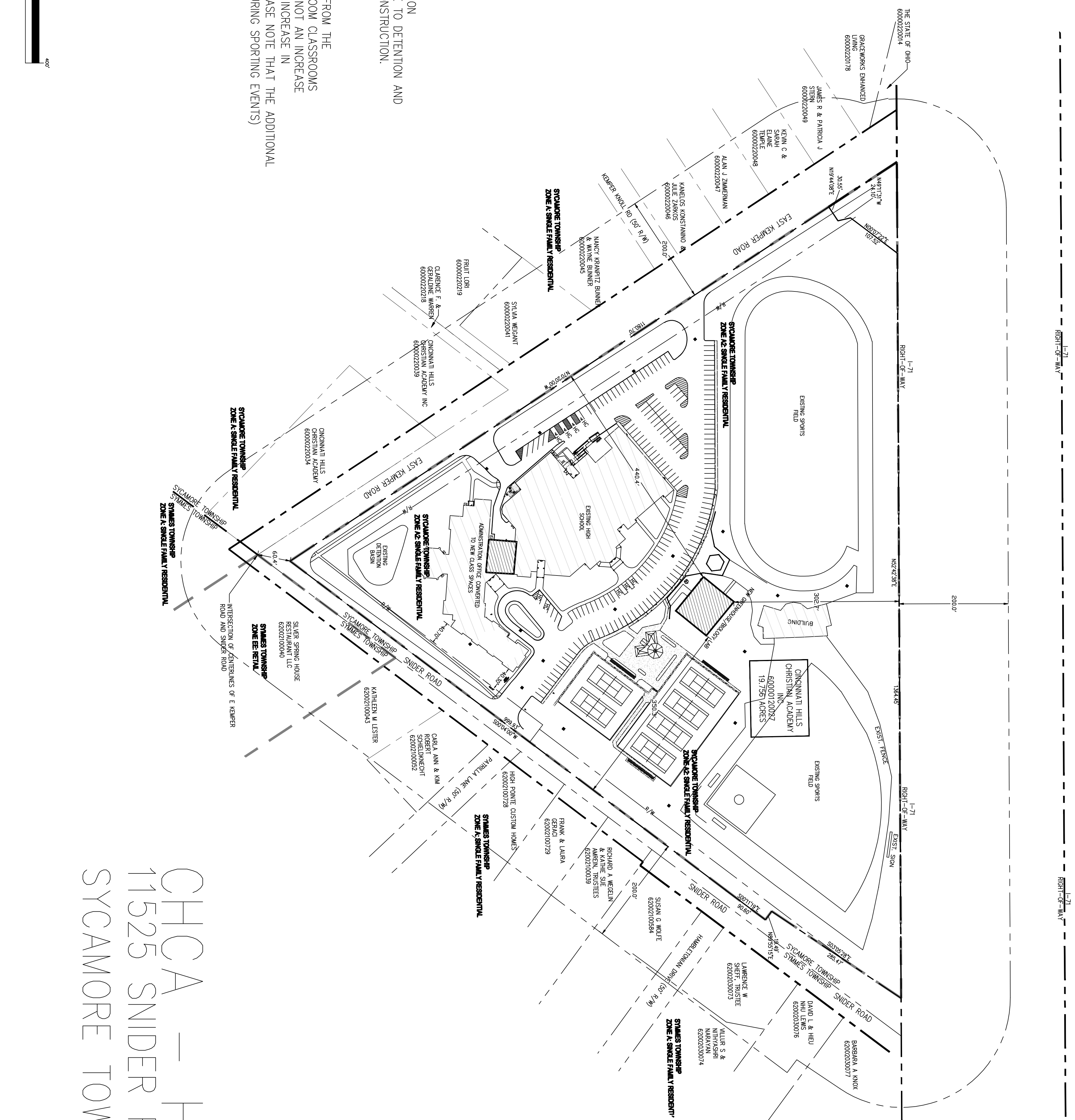


EAST KEMPER ROAD



LANDSCAPE PLAN

DRAWING NO. L1	DRAWING TITLE ROBOTICS LAB WELCOME CENTER LANDSCAPE PLAN	ISSUE DATES		CINCINNATI HILLS CHRISTIAN ACADEMY 11525 SNIDER ROAD CINCINNATI, OHIO 45249 LEESMAN ENGINEERING & ASSOC. ENGINEERING, SURVEYING, PLANNING 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420	
	PROJ. NO. CHCA DATE 11/6/15 DRAWN S.L. CHECKED S.L.	PROJECT TITLE ROBOTICS LAB WELCOME CENTER LANDSCAPE PLAN			

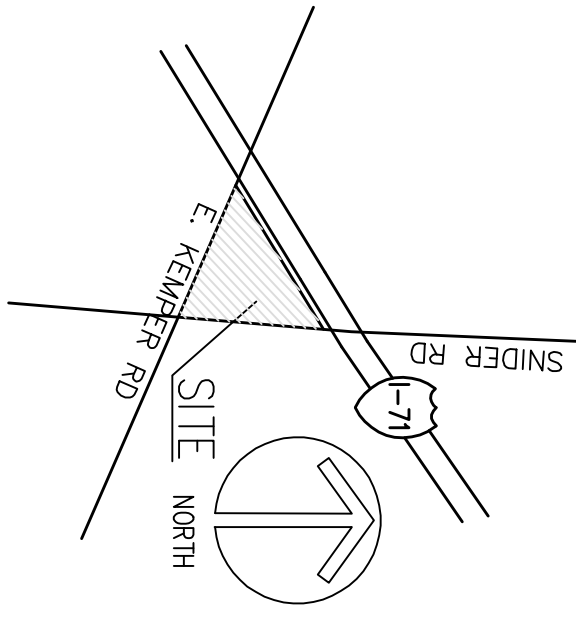


CHCA - HIGH SCHOOL

11525 SNIDER ROAD

SYCAMORE TOWNSHIP, OHIO 45249

VICINITY PLAN



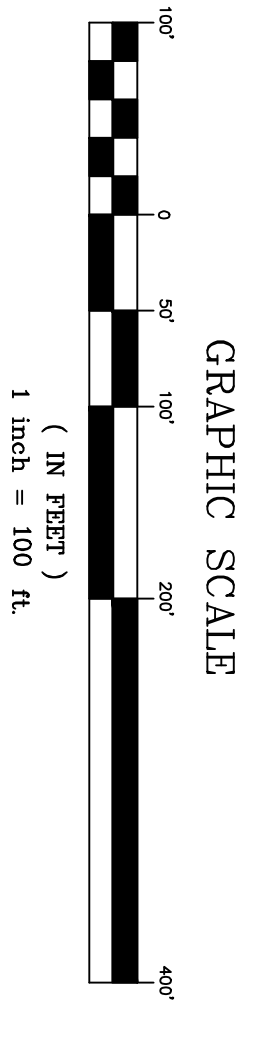
OWNER
 CINCINNATI HILLS CHRISTIAN ACADEMY
 11525 SNIDER ROAD
 CINCINNATI, OHIO 45249

PARKING REQUIREMENTS
 PARKING BASED ON EXISTING SPACES
 135 SPACES EXISTING PRIOR TO CONSTRUCTION
 238 SPACES TO BE PROVIDED
 INCLUDING 9 HANDI-CAP SPACES

LIGHTING REQUIREMENTS
 NO ADDITIONAL LIGHT POLES TO BE PROVIDED

DETENTION REQUIREMENTS
 EXISTING REGIONAL DETENTION AT THE INTERSECTION
 OF KEMPER ROAD AND SNIDER ROAD, NO CHANGE TO DETENTION AND
 DISCHARGE FROM SITE IS THE SAME PRIOR TO CONSTRUCTION.

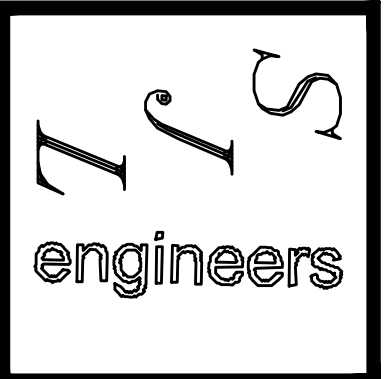
MSD REQUIREMENTS
 EXISTING SANITARY SEWER SERVICE IS AVAILABLE FROM THE
 EXISTING SCHOOL BUILDING. NO ADDITIONAL HOMEROOM CLASSROOMS
 WILL BE CREATED BY THESE ADDITIONS. THERE IS NOT AN INCREASE
 IN THE NUMBER OF STUDENTS AND THEREFORE NO INCREASE IN
 SANITARY SEWER DISCHARGE IS EXPECTED. (PLEASE NOTE THAT THE ADDITIONAL
 PARKING IS TO PROVIDE OFF STREET PARKING DURING SPORTING EVENTS)



2 WORKING DAYS
 BEFORE YOU DIG
 CALL TOLL FREE 1-800-362-2764
 OHIO UTILITIES PROTECTION SERVICE

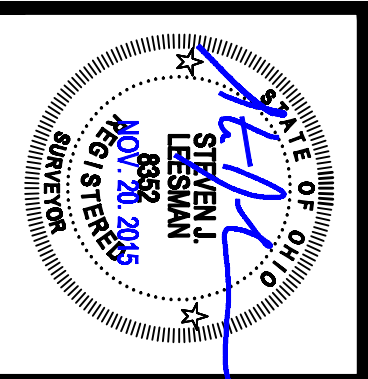
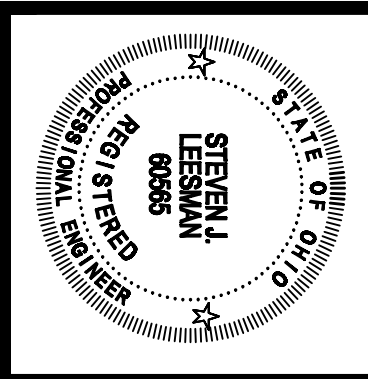
DRAWING INDEX

T1 - TITLE PAGE/ZONING PLAT
C1 - SITE PLAN-HIGH SCHOOL GREENHOUSE, BIOLOGY LAB
C2 - LIGHTING PLAN
L1 - LANDSCAPE PLAN



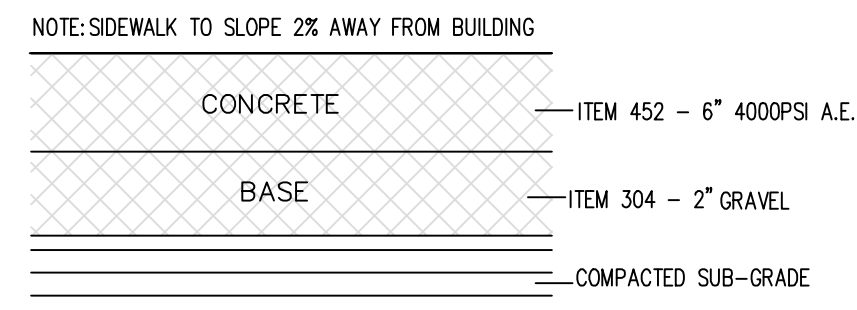
PROPOSED SITE DEVELOPMENT PLAN FOR
CHCA HIGH SCHOOL
 11525 SNIDER ROAD SYCAMORE TWP, HAMILTON CO., OHIO

LEESMAN ENGINEERING & ASSOC.
 ENGINEERING, SURVEYING, PLANNING
 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420

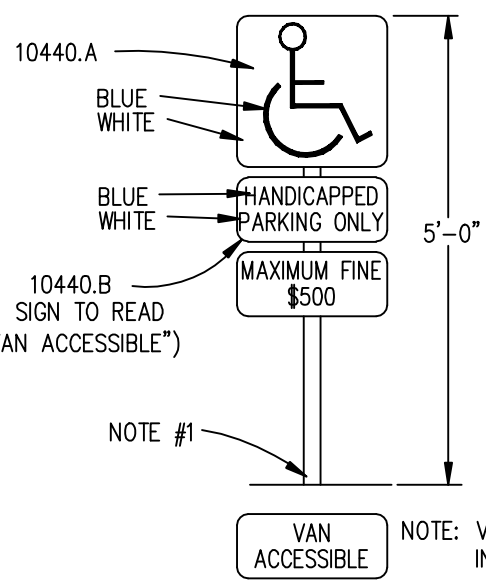
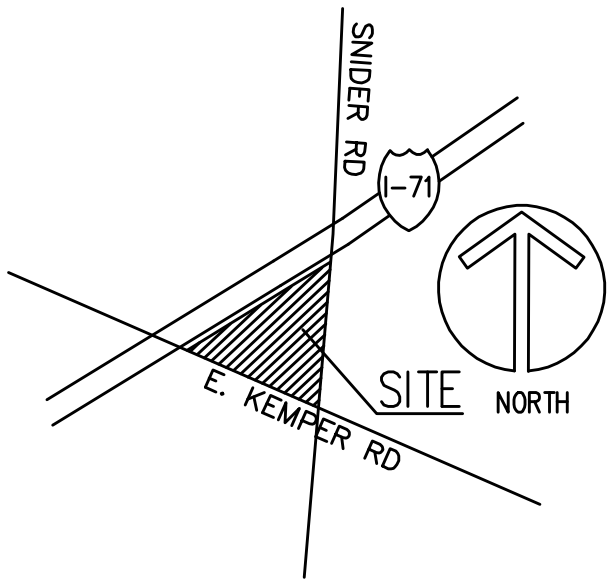


ISSUED/REVISIONS

PROJECT NO. 2015-CHCA	DATE 11/17/15
DRAWN MDC	CHECKED S.L.C.
DRAWING NO. T1	
DRAWING TITLE SITE DEVELOPMENT PLAN ZONING PLAT	



**CONCRETE SIDEWALK
DETAIL**



HANIDCAP SIGN DETAIL
N.T.S. TO BE INSTALLED @ ALL H/C SPACES

FLOOD DATA

COMMUNITY PANEL NO. : 390038
ZONE C
PANEL NO.: 0005B
EFFECTIVE DATE: MARCH 15, 1979

DETENTION NOTE:

1. BUILDING ADDITION IS BEING PLACED IN AREA DRAINING TO THE MASTER DETENTION BASIN. IN FRONT OF HIGH SCHOOL.

OWNER

CINCINNATI HILLS CHRISTIAN ACADEMY
11525 SNIDER ROAD
CINCINNATI, OHIO 45249

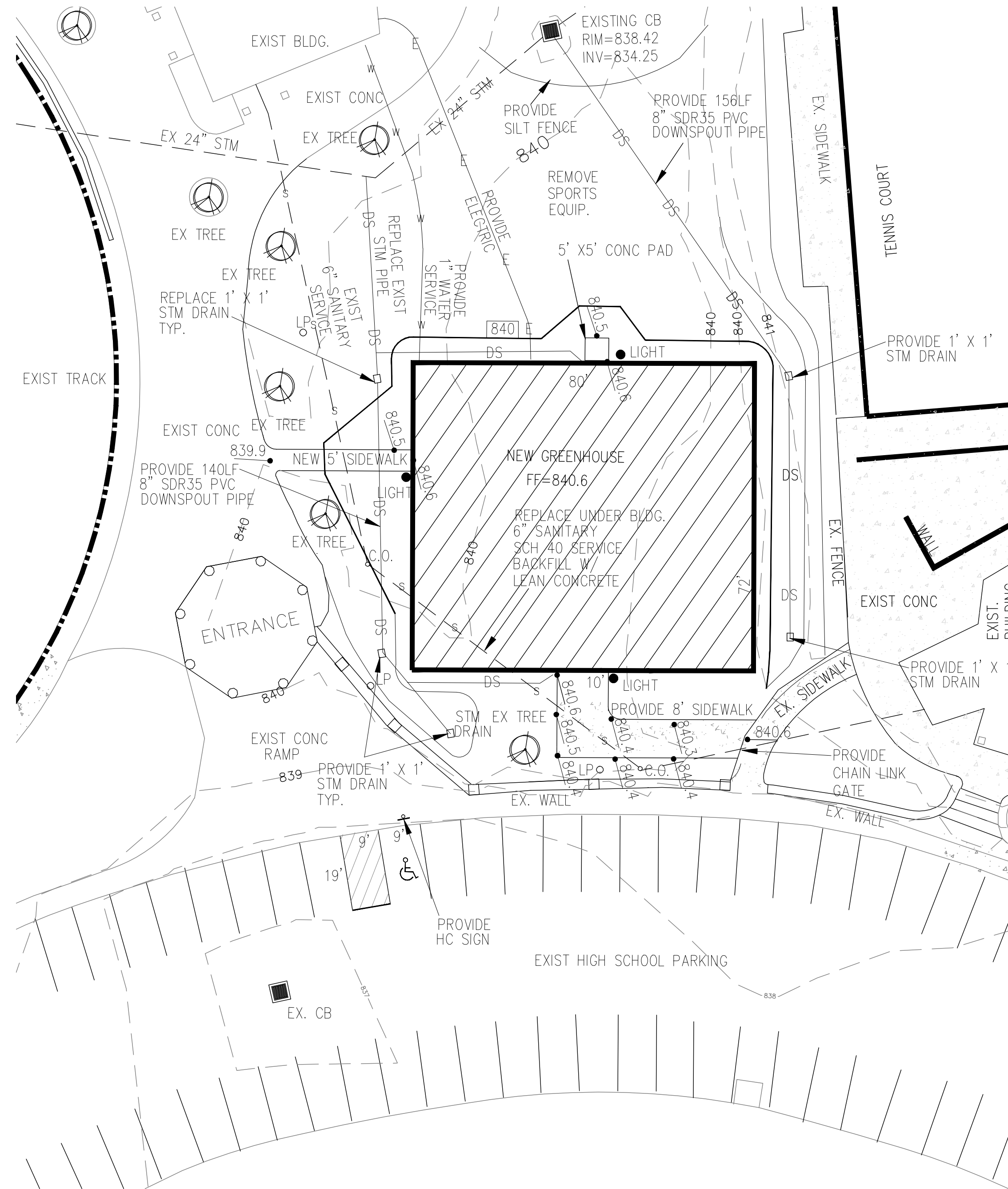
SITE DATA

USE HIGH SCHOOL
SITE DATA
GROSS AREA = 24.5 ACRES

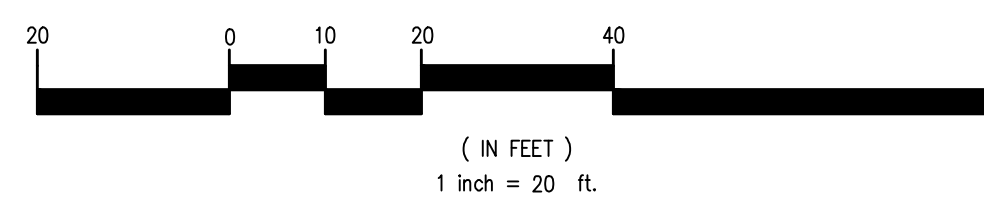
GENERAL NOTES
1. U-TYPE FLANGED STEEL SIGN POST. SET IN CONCRETE TO A MIN. DEPTH OF 3'-0\"/>

GENERAL NOTES
10440.
A. 18"x 12"x 16 GA. STEEL HANDICAP SIGN
B. 9"x 12"x 16GA. STEEL HANDICAP SIGN

NOTE: VAN ACCESSIBLE SIGN TO BE INSTALLED ON MINIMUM ONE SIGN.



SITE DEVELOPMENT PLAN



EROSION CONTROL NOTES

1. FORTY-EIGHT (48) HOURS PRIOR TO ANY EARTH WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DEPARTMENT
2. EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE. ALL RUNOFF RESULTING FROM CONSTRUCTION OPERATIONS MUST BE FILTERED BY APPROVED METHODS PRIOR TO DISCHARGING TO THE STORM SYSTEM.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED DAILY AND AFTER EVERY 1/2\"/>

SEED MIX	SEEDING RATE		NOTES
	LB./AC.	LB./1000 sq.ft	
GENERAL USE			
CREeping RED FESUe	20-40	1/2-1	MARCH 1 TO AUGUST 15
DOMESTIC RYEGRASS	10-20	1/4-1/2	
KENTUCKY BLUEGRASS	10-20	1/4-1/2	
TALL FESUe	40	1	
DWARF FESUe	40	1	
STEEP BANKS OR CUT SLOPES			
TALL FESUe	20-40	1	
CROWN VETCH TALL FESUe	10-20	1/4-1/2	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESUe	20	1/2	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES			
TALL FESUe	40	1	
DWARF FESUe	90	2 1/2	
KENTUCKY BLUEGRASS	5		
LAWNS			
KENTUCKY BLUEGRASS	60	1 1/2	
PERENNIAL RYEGRASS	60	1 1/2	
KENTUCKY BLUEGRASS	60	1 1/2	FOR SHADED AREAS
CREeping RED FESUe	80	1 1/2	FOR SHADED AREAS

SPECIES	SEEDING RATE		SEEDING DATES
	LB./AC.	LB./1000 sq.ft	
TEMPORARY SEEDING			
OATS	4 BUSHEL	3	MARCH 1 TO AUGUST 15
TALL FESUe	40	1	
ANNUAL RYEGRASS	40	1	
PERENNIAL RYEGRASS	40	1	
TALL FESUe	40	1	
ANNUAL RYEGRASS	40	1	
PERMANENT SEEDING			
RYE	2 BUSHEL	3	AUGUST 16 TO NOVEMBER 1
TALL FESUe	40	1	
ANNUAL RYEGRASS	40	1	
PERENNIAL RYEGRASS	40	1	
TALL FESUe	40	1	
ANNUAL RYEGRASS	40	1	
PERENNIAL RYEGRASS	40	1	
TALL FESUe	40	1	
ANNUAL RYEGRASS	40	1	

USE MULCH ONLY, SOODING PRACTICES NOVEMBER 1 TO SPRING SEEDING
OR DORMANT SEEDING
NOTE: OTHER

GENERAL NOTES

1. UTILITIES SHOWN TAKEN IN PART FROM SURVEY AND IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON PREMISES SHOWN ON PLAN.
2. ALL ELEVATIONS INDICATED REPRESENT FINISHED ELEVATIONS, I.E. 0.00. THE FINISH GRADE OF THE PAVEMENT SHALL SLOPE UNIFORMLY TO FINISH ELEVATIONS SHOWN ON THE PLOT PLAN.
3. BUILDING FLOOR = BENCHMARK ELEVATION
4. FOLLOW WRITTEN DIMENSIONS ALWAYS. DO NOT SCALE. DRIVEWAY AND PARKING LOT DIMENSIONS ARE FROM INSIDE OF CURB FACES.
5. ADJUSTMENTS TO GRADE MAY BE ALLOWED TO PROVIDE A BALANCED SITE. NO ADJUSTMENT TO GRADE IS ALLOWED WITHOUT THE PRIOR APPROVAL OF THE OWNER.
6. HANDICAP PARKING, SIGNAGE, RAMPS AND LANDINGS SHALL MEET THE TITLE III PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT.
7. DOWN SPOUT PIPE (8\"/>

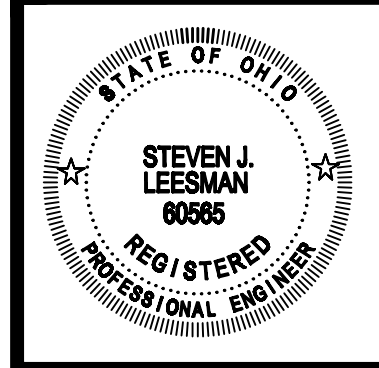
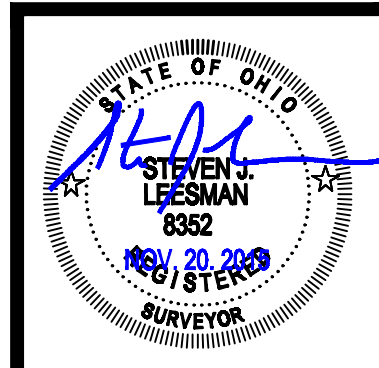
MSD SANITARY SEWER NOTES

1. NEW BUILDING SEWERS AND TAPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT BUILDING CODES AND MSD RULES AND REGULATIONS.
2. TAP PERMIT AND FEES NECESSARY FROM MSD.
3. CONTACT MSD FIELD OFFICE AT 244-1366 FOR SEWER INSPECTION AFTER TAP PERMIT IS ISSUED.
4. SEWER CONTRACTOR MUST BE LICENSED AND BONDED WITH MSD.

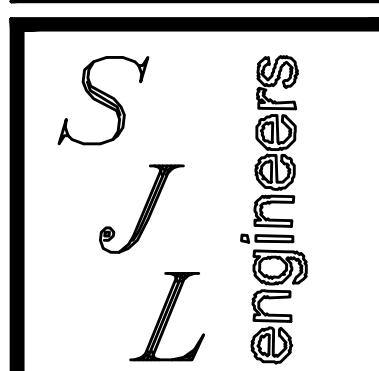
UTILITY NOTES

- A. VERIFY EXACT LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
 - B. TRAFFIC MARKING PAINT SHALL BE ALKYD-RESIN TYPE, AASHTO M248 TYPE 1 4\"/>
- C. EACH UTILITY CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT INTENDED TO BE FLUSH WITH GRADE (CLEANOUTS, MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
 - D. DRAINAGE PIPE TO BE AS INDICATED: N-12 PROLINK ST POLY ODOT ITEM 803-TYPE B
 - E. PRECAST CATCH BASINS AND MANHOLES SHALL CONFORM TO ASTM C478, WITH PROVISION FOR RUBBER GASKET JOINTS. STORM DRAINAGE STRUCTURES SHALL COMPLY WITH SPECIFICATIONS AND STANDARDS OF STAMORE TOWNSHIP AND/OR OHIO DEPT. OF TRANSPORTATION (ODOT). ALL CATCH BASINS AND MANHOLES GREATER THAN 4 FT DEEP REQUIRE STEPS.
 - F. PROVIDE THE FOLLOWING MINIMUM COVERS OVER THE TOP OF PROPOSED UTILITIES:
 - 1) SANITARY MAIN = 4'-0"
 - 2) WATER MAINS = 4'-0"
 - 3) STORM WATER LINES = 2'-0"
 - 4) GAS & ELECTRIC = 2'-0"

ISSUED/REVISIONS



PROPOSED SITE DEVELOPMENT PLAN FOR
CHCA HIGH SCHOOL
11525 SNIDER ROAD STAMORE TWP, HAMILTON CO., OHIO
LEESMAN ENGINEERING & ASSOC.
ENGINEERING, SURVEYING, PLANNING
2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420

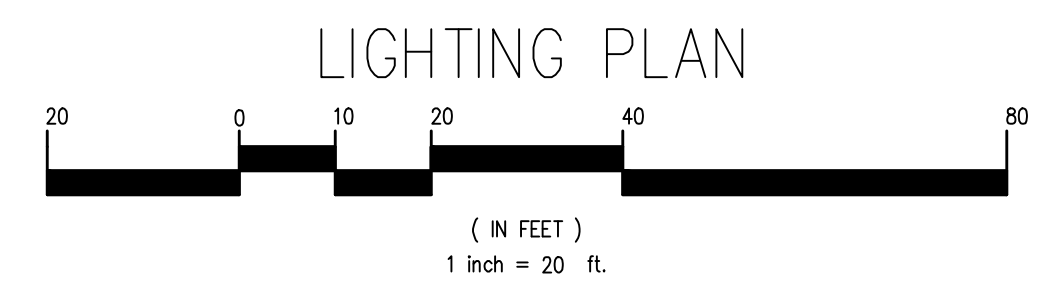
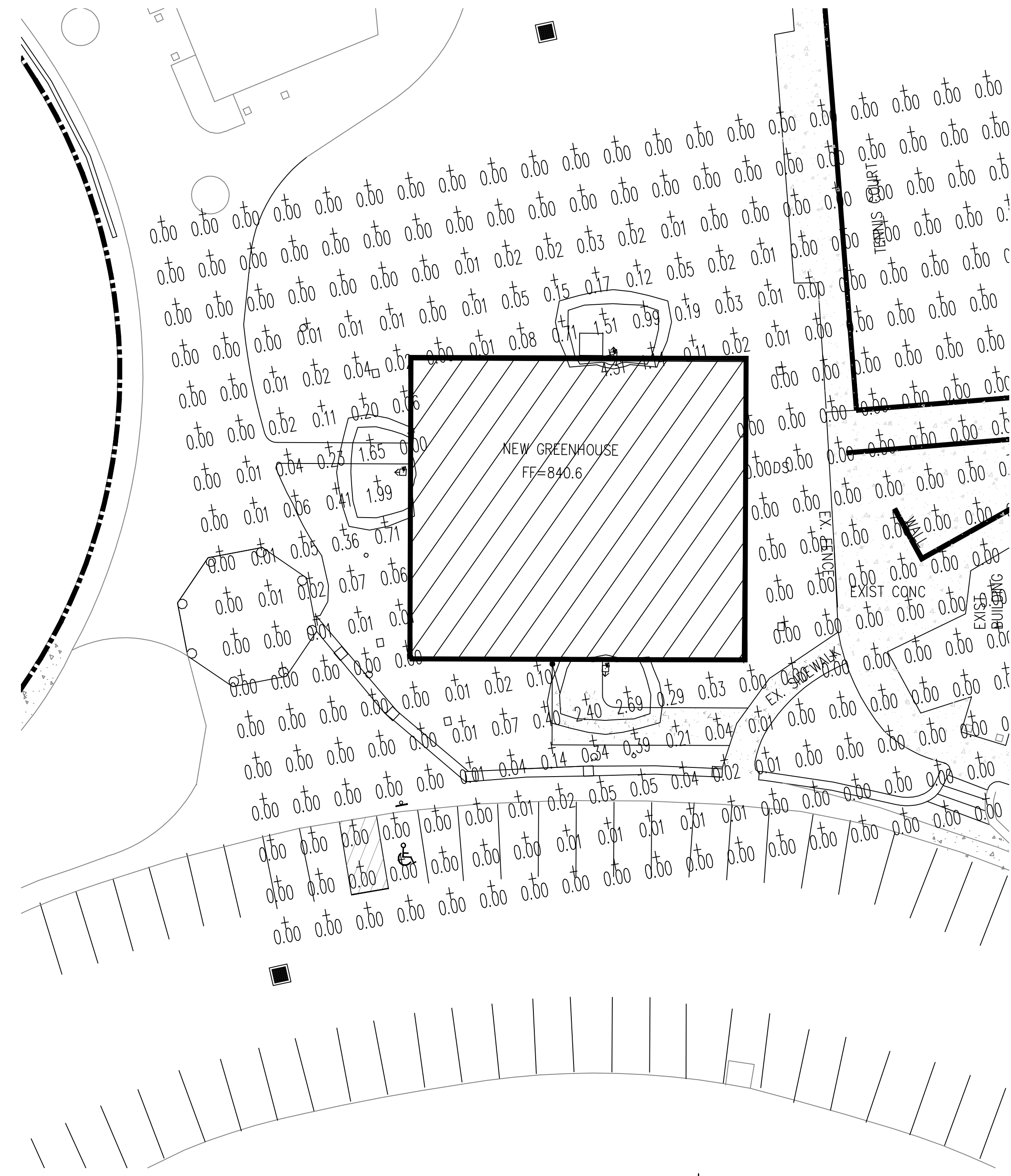


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HIGH SCHOOL GREENHOUSE SITE

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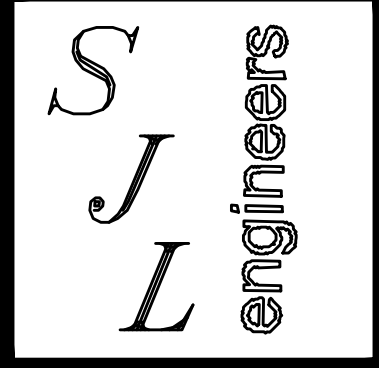
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OHIO UTILITIES PROTECTION SERVICE



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PROPOSED SITE DEVELOPMENT PLAN FOR
CHCA HIGH SCHOOL
 11525 SNIDER ROAD SYCAMORE TWP., HAMILTON CO., OHIO
LEESMAN ENGINEERING & ASSOC.
 ENGINEERING, SURVEYING, PLANNING
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HIGH SCHOOL GREENHOUSE LIGHTING

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 OHIO UTILITIES PROTECTION SERVICE

GENERAL PLANTING NOTES

- *CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE ALL LINES MARKED PRIOR TO COMMENCING WORK.
- *PROVIDE QUALITY SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."
- *FURNISH NURSERY-GROWN TREES AND SHRUBS COMPLYING WITH ANSI Z60.1, WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK, FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.
- *PROVIDE TREES AND SHRUBS OF SIZES AND GRADES COMPLYING WITH ANSI Z60.1 FOR TYPE OF TREES AND SHRUBS REQUIRED. TREES AND SHRUBS OF A LARGER SIZE MAY BE USED, IF ACCEPTABLE TO LANDSCAPE ARCHITECT, WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS.
- *IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF TREES OR SHRUBS IS SHOWN, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD, AND NUMBER LABEL TO ASSURE SYMMETRY IN PLANTING.
- *LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL AND COMMON NAME.
- *LANDSCAPE ARCHITECT MAY OBSERVE TREES AND SHRUBS EITHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. LANDSCAPE ARCHITECT RETAINS RIGHT TO OBSERVE TREES AND SHRUBS FURTHER FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEMS, INSECTS, INJURIES, AND LATENT DEFECTS AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED TREES OR SHRUBS IMMEDIATELY FROM PROJECT SITE.
- *TOPSOIL SHALL BE ASTM D 5268, pH RANGE OF 5.5 TO 7, A MINIMUM OF 4 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OR LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- *COMPOST SHALL BE WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH ONE INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS.
- *FERTILIZER TO BE SLOW-RELEASE, GRANULAR OR PELLETED CONSISTING OF 50 PERCENT WATER-INSOLUBLE NITROGEN, PHOSPHORUS, AND POTASSIUM IN AMOUNTS RECOMMENDED FOR TYPE OF PLANT BEING GROWN.

PREPARATION AND PLANTING

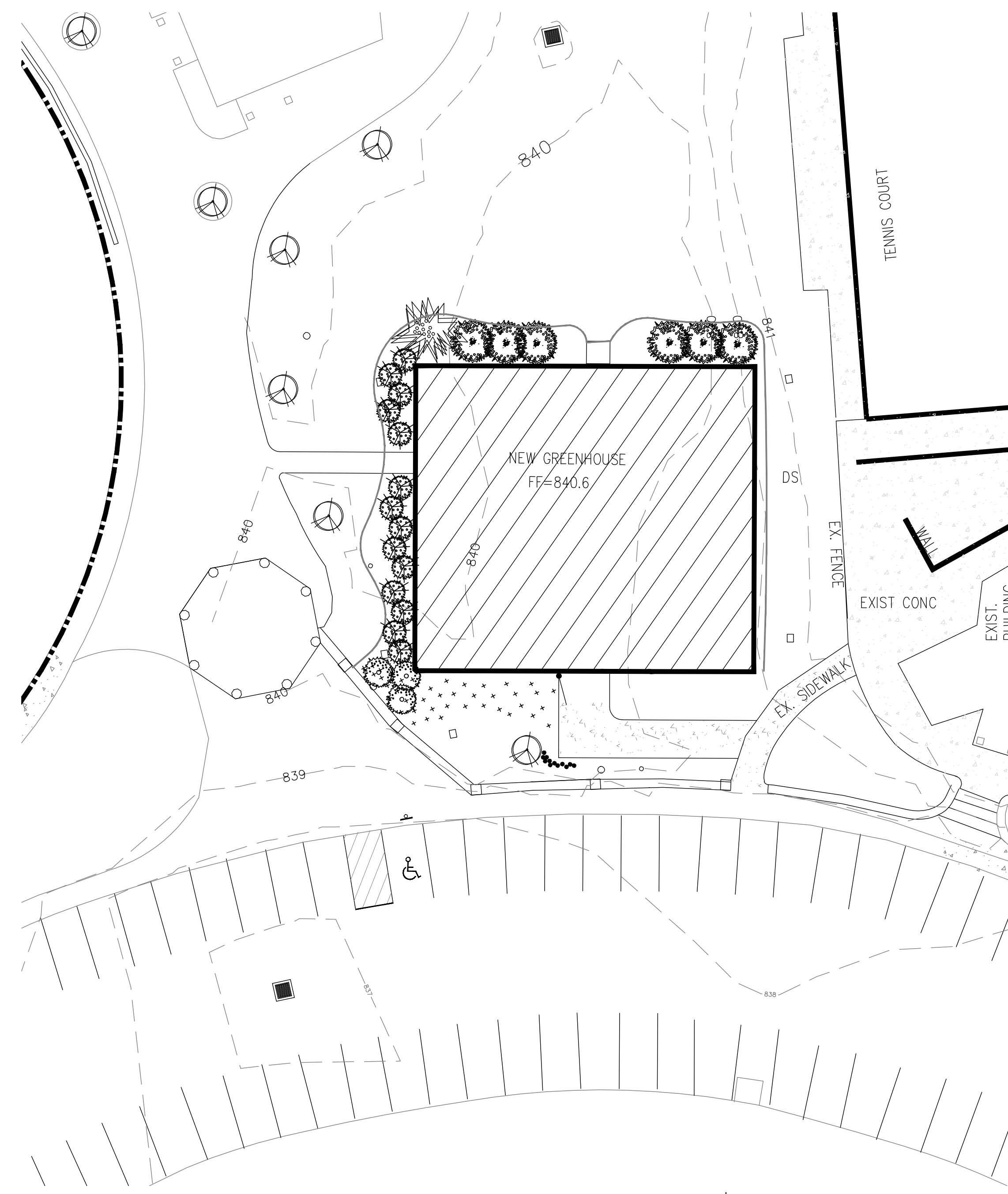
- *LOCATE ALL UNDERGROUND UTILITIES PRIOR TO STARTING WORK. IF A PLANT IS SHOWN ON THE PLAN WITHIN THREE FEET OF AN UNDERGROUND UTILITY, NOTIFY LANDSCAPE ARCHITECT FOR ADJUSTMENT INSTRUCTIONS.
- *PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES, AND LAWNS AND EXISTING EXTERIOR PLANTS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.
- *PROVIDE EROSION-CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL-BEARING RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
- *LAY OUT INDIVIDUAL TREE AND SHRUB LOCATIONS AND AREAS FOR MULTIPLE EXTERIOR PLANTINGS. STAKE LOCATIONS, OUTLINE AREAS, ADJUST LOCATIONS WHEN REQUESTED, AND OBTAIN LANDSCAPE ARCHITECT'S ACCEPTANCE OF LAYOUT BEFORE PLANTING. MAKE MINOR ADJUSTMENTS AS REQUIRED.
- *TREES SHALL BE SITED IN FIELD BY LANDSCAPE ARCHITECT WHERE NOTED ON PLANS.
- *ALL PLANTING BEDS ARE TO BE PREPARED AS FOLLOWS:
 - LOOSEN SUBGRADE TO A DEPTH OF 4 - 6". REMOVE STONES LARGER THAN 1" IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER, AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
 - SPREAD COMPOST AT A DEPTH OF 4 - 6" AND TILL WITH LOOSENED SUBGRADE, MIXING THOROUGHLY.
 - GRADE PLANTING BEDS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
 - EDGE BEDS 3 - 4" DEEP (SEE DETAIL).
- *NOTIFY LANDSCAPE ARCHITECT IF SUBSOIL CONDITIONS SHOW EVIDENCE OF UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PITS.
- *ALL PLANTS ARE TO BE FERTILIZED WITH A SLOW-RELEASE FERTILIZER PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- *REFER TO TYPICAL PLANTING DETAILS FOR PLANT INSTALLATION.
- *IT IS THE CONTRACTOR'S OPTION WHETHER OR NOT TO STAKE A TREE, BUT IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ASSURE PLANTS REMAIN IN AN UPRIGHT POSITION UNTIL THE END OF THE WARRANTY PERIOD.
- *ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS ARE TO BE MULCHED AT A DEPTH OF 2 - 3". APPLY PRE-EMERGENT HERBICIDE BEFORE MULCHING PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- *FOR ALL PLANT MATERIALS, PRUNE TO REMOVE DEAD OR INJURED BRANCHES ONLY, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT.
- *IT IS THE CONTRACTOR'S RESPONSIBILITY TO:
 - KEEP ADJACENT PAVINGS AND CONSTRUCTION CLEAN, AND MAINTAIN WORK AREA IN AN ORDERLY CONDITION, FOR DURATION OF PROJECT.
 - PROTECT EXTERIOR PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES, AND OTHERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED EXTERIOR PLANTING.
 - REMOVE SURPLUS SOIL AND WASTE MATERIAL, INCLUDING EXCESS SUBSOIL, UNSUITABLE SOIL, TRASH, AND DEBRIS, AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.

WARRANTY

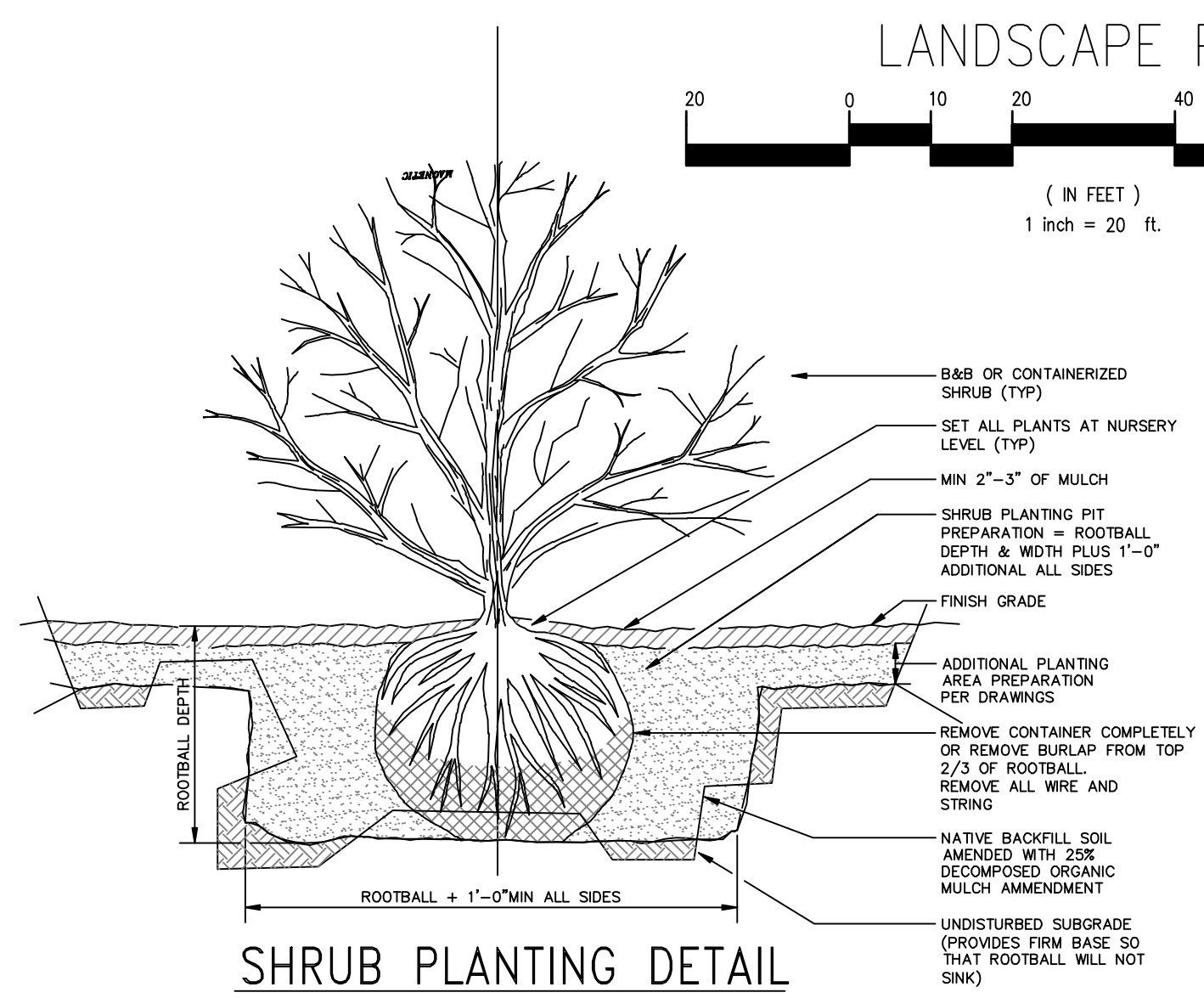
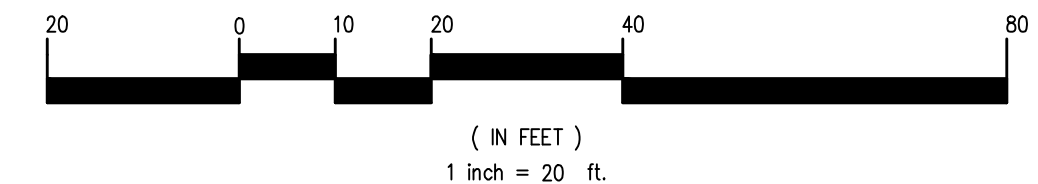
- *CONTRACTOR SHALL PROVIDE OWNER WITH A WRITTEN WARRANTY FOR LABOR AND MATERIALS.
- *CONTRACTOR SHALL WARRANT EXTERIOR PLANTS AGAINST DEFECTS, INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLIGENCE OR ABUSE BY OWNER, OR INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.
- *WARRANTY SHALL INCLUDE SPECIFIC WARRANTY PERIODS FOR TREES AND SHRUBS, GROUND COVERS, AND OTHER EXTERIOR PLANTS.
- *SERVICES PROVIDED BY WARRANTY SHALL INCLUDE:
 - MAINTAINING UPRIGHT POSITION OF EXTERIOR PLANTINGS DURING WARRANTY PERIOD.
 - IMMEDIATE REMOVAL OF DEAD EXTERIOR PLANTS AND IMMEDIATE REPLACEMENT, UNLESS REQUIRED TO PLANT IN THE SUCCEEDING PLANTING SEASON.
 - REPLACEMENT OF EXTERIOR PLANTS THAT ARE MORE THAN 25 PERCENT DEAD OR IN UNHEALTHY CONDITION AT END OF WARRANTY PERIOD.

SEEDING:

- *TILL AREA TO BE SEEDED TO A DEPTH OF 4". RAKE TILLED AREA TO REMOVE DEBRIS OR LARGER IN SIZE THAT HAS BEEN BROUGHT TO THE SURFACE DURING TILLING.
- *SEED WITH APPROPRIATE MIXTURE AT THE MANUFACTURER'S WRITTEN RECOMMENDED RATE.
- *RAKE SEED LIGHTLY INTO TOP OF TOPSOIL, ROLL LIGHTLY, AND WATER WITH FINE SPRAY.
- *PROTECT SEEDED AREAS WITH SLOPES EXCEEDING 1:6 WITH EROSION-CONTROL FIBER MESH INSTALLED AND STAPLED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
- *PROTECT ALL OTHER SEEDED AREAS BY SPREADING STRAW MULCH AT A UNIFORM RATE OF 2 TONS PER ACRE TO FORM A CONTINUOUS BLANKET 1-1/2" IN LOOSE DEPTH OVER SEEDED AREAS.



LANDSCAPE PLAN

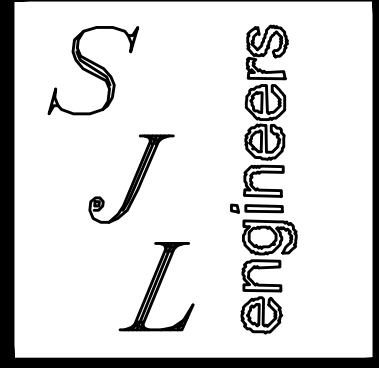


SHRUB PLANTING DETAIL

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PROPOSED SITE DEVELOPMENT PLAN FOR
CHCA HIGH SCHOOL
 11525 SNIDER ROAD SYCAMORE TWP., HAMILTON CO., OHIO
LEESMAN ENGINEERING & ASSOC.
 ENGINEERING, SURVEYING, PLANNING
 2720 TOPIC HILLS, CINCINNATI, OHIO 45248 513/417-0420



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HIGH SCHOOL GREENHOUSE LANDSCAPE

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