CHAPEL HILL HIGH SCHOOL - SPECIAL USE PERMIT

CHAPEL HILL - CARRBORO CITY SCHOOLS
1709 HIGH SCHOOL ROAD, CHAPEL HILL, NC 27516

C - SERIES DRAWING ABBREVIATIONS:

ADV - ADVANCE
AFG - ABOVE FINISHED GRADE
APPR LOC. - APPROXIMATE LOCATION
ASS'Y - ASSEMBLY
B/C - BACK OF CURB
B/L - BASE LINE
B/S - BOTTOM OF STAIR
B/W - BOTTOM OF WALL
CB - CATCH BASIN
CBR - CALIFORNIA BEARING RATIO
CG - CURB AND GUTTER
CI - CURB INLET
C/L - CENTERLINE
CL - CLASS
CM - CONCRETE MONUMENT
CMP - CORRUGATED METAL PIPE
CO - CLEAN OUT
CONC - CONCRETE
CONN - CONNECTION
CP - CORRUGATED PLASTIC
CY - CUBIC YARD
DB - DEED BOOK
DI - DROP INLET
DIP - DUCTILE IRON PIPE
D.M.P - DOUBLE MERIDIAN DISTANCES
DR - DRIVE
DS - DOWNSPOUT
E - ELECTRIC
EA - EACH
E BOX - ELECTRICAL BOX
ELEC - ELECTRIC
EP - EDGE OF PAVEMENT
E/S - EDGE OF SHOULDER
EX - EXISTING
F/C - FACE OF CURB
FDC - FIRE DEPARTMENT CONNECTION
FF - FINISHED FLOOR
FHY - FIRE HYDRANT
F/L - FLOW LINE
FL - FIRE LANE
G - GAS
MG - GAS METER
GI - GRATE INLET
GRND - GROUND
GTS - GAS TEST STATION
GV - GAS VALVE
HDPE - HIGH DENSITY POLYETHYLENE
HORIZ - HORIZONTAL
HVAC - HEATING, VENTILATION, & AIR CONDITIONING
INV - INVERT
IPF - IRON PIPE FOUND
IPS - IRON PIPE SET
IRF - IRON ROD FOUND
LSA - LANDSCAPED AREA
LF - LINEAR FEET
LP - LIGHT POLE
(M) - MEASURED METES & BOUNDS
MECH - MECHANICAL
MH - MANHOLE
MIN - MINIMUM
MIN S - MINIMUM SLOPE
MJ - MECHANICAL JOINT
NIC - NOT IN CONTRACT
NTS - NOT TO SCALE
OHE - OVERHEAD ELECTRIC
OHP- OVERHEAD POWER
OHT - OVERHEAD TELEPHONE
PB - PLAT BOOK
PC - POINT OF CURVATURE
PED - PEDESTAL
PG - PAGE
PH - PHASE
PI - POINT OF INTERSECTION
PKG - PARKING
P/L - PROPERTY LINE
PT - POINT OF TANGENT
PP - POWER POLE
PVC - POLYVINYL CHLORIDE
PVMT - PAVEMENT
PWR - POWER
(R) - RECORDED METES & BOUNDS
RD - ROOF DRAIN
RJ - RESTRAINED JOINT
R/W - RIGHT-OF-WAY
REQ'D - REQUIRED
RCP - REINFORCED CONCRETE PIPE
S - SLOPE
SAN - SANITARY SEWER
SDWK - SIDEWALK
SF - SILT FENCE
SPT - SPOT GRADE
SS - SANITARY SEWER CONNECTION
STA - STATION
STD - STANDARD
STM - STORM
STMH - STORM SEWER MANHOLE
T - TELEPHONE
TBC - TOP BACK OF CURB
TCM - TELECOMMUNICATIONS MANHOLE
T/C - TOP OF CURB
TEL - TELEPHONE
T/S - TOP OF STAIR
T/W - TOP OF WALL
UGE - UNDERGROUND ELECTRIC
UNK - UNKNOWN
UP - UTILITY POLE
VAR - VARIABLE
VCP - VITRIFIED CLAY PIPE
VERT - VERTICAL
W/ - WITH
W/L - WATER LINE
W - WATER
WUS - WATERS OF THE US
X-ING - CROSSING
YI - YARD INLET
Ø - DIAMETER

VICINITY MAP
NOT TO SCALE

CIVIL DRAWING INDEX

TITLE	DRAWING
COVER SHEET	C0.0
AREA MAP	C0.1
OVERALL PLAN	C0.2
EXISTING CONDITIONS PLAN	C1.0
EXISTING CONDITIONS PLAN	C1.1
DEMOLITION PLAN	C1.2
DEMOLITION PLAN	C1.3
SITE PLAN	C3.0
SITE PLAN	C3.1
UTILITY PLAN	C3.2
UTILITY PLAN	C3.3
NOTES & DETAILS	C3.4
NOTES & DETAILS	C3.5
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STEEP SLOPE PLAN	C4.2
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SOLID WASTE MANAGEMENT PLAN	C5.0
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OVERALL LANDSCAPE PLAN	L1.0
TREE SURVEY PLAN	L2.0
TREE SURVEY PLAN	L2.1
TREE SURVEY TABLE	L2.2
LANDSCAPE PROTECTION PLAN	L3.0
LANDSCAPE PROTECTION PLAN	L3.1
LANDSCAPE PLAN	L4.0
LANDSCAPE PLAN	L4.1
OVERALL BUILDING ELEVATIONS	A4.0.1

TOTAL NUMBER OF DRAWINGS = 32

LEGEND

SEWER

- EXISTING SANITARY SEWER
- SANITARY SEWER
- SANITARY MANHOLE NUMBER W/ COORDINATE LOCATION (N 7605.80 / E 9378.25)
- EX SANITARY MANHOLE
- SANITARY MANHOLE
- EXISTING CLEAN OUT
- CLEAN OUT

WATER

- EXISTING WATER LINE
- WATER LINE
- EXISTING WATER VALVE
- WATER VALVE
- POST INDICATOR VALVE
- EXISTING WATER METER
- WATER METER
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- WATER LINE REDUCER
- EX WATER LINE PLUG
- WATER LINE PLUG
- WATER LINE CROSS
- WATER LINE TEE
- FIRE DEPT CONNECTION
- WATER SPIGOT
- EXISTING WELL CASING

NATURAL GAS

- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- GAS LINE

MISCELLANEOUS UTILITIES

- EXISTING LIGHT POLE
- EXISTING YARD LIGHT
- EXISTING GROUND LIGHT
- LIGHT POLES
- EXISTING UTILITY POLE
- UTILITY POLE
- EXISTING GUY WIRE
- EXISTING ELECTRIC METER
- EXISTING OVERHEAD ELECTRIC
- OVERHEAD ELECTRIC
- EX UNDERGROUND ELECT LINE
- UNDERGROUND ELECTRIC LINE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TELEPHONE MANHOLE
- EX OVERHEAD TELEPHONE LINE
- OVERHEAD TELEPHONE LINE
- EX UNDERGROUND TELEPHONE LINE
- UNDERGROUND TELEPHONE LINE
- EX OVERHEAD FIBER OPTIC LINE
- OVERHEAD FIBER OPTIC LINE
- EX UNDERGROUND FIBER OPTIC LINE
- UNDERGROUND FIBER OPTIC LINE
- EX CABLE TV PEDESTAL
- EX OVERHEAD CABLE TV LINE
- OVERHEAD CABLE TV LINE
- EX UNDERGROUND CABLE TV
- UNDERGROUND CABLE TV LINE
- COMBINED POWER/CATV
- COMBINED POWER, TELE, CATV
- COMBINED POWER, TELEPHONE
- COMBINED TELEPHONE, CATV

SITE

- EXISTING STORM SEWER
- STORM SEWER
- EX DROP INLET
- DROP INLET & STRUCTURE NUMBER
- EXISTING STORM SEWER MANHOLE
- STORM SEWER MANHOLE
- EXISTING ROOF DRAIN DOWNSPOUT
- ROOF DRAIN DOWNSPOUT
- EXISTING CURB
- CURB
- EXISTING CURB & GUTTER
- CURB & CUTTER
- PROPERTY LINE
- BENCH MARK (DESCRIPTION / ELEVATION)
- APPROX BORING LOCATION (B-1)
- EXISTING TREE LINE
- CLEARING LIMITS
- EXISTING SHRUB
- EXISTING TREE
- EXISTING FENCE
- FENCE
- EXISTING CONTOUR
- CONTOUR
- SPOT ELEVATION (T/C 95.32, E/P 95.32, SWL 95.32)
- C/L SWALE
- EXISTING SIGN
- SIGN
- BOLLARD
- FLAG POLE
- PROPERTY MARKER FOUND / ROD FOUND
- PIPE FOUND
- MONUMENT FOUND

OWNER
CHAPEL HILL BOARD OF EDUCATION
750 S MERRITT MILL RD
CHAPEL HILL, NORTH CAROLINA 27516
CONTACT: MR BILL MULLIN
PHONE: (919) 967-8211
FACSIMILE: (919) 933-4560

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FACSIMILE: (919) 840-0045

SITE DEVELOPMENT
TIMMONS GROUP
5410 TRINITY ROAD, SUITE 102
RALEIGH, NORTH CAROLINA 27607
CONTACT: MR. BLAKE HALL
PHONE: (919) 866-4933
FACSIMILE: (919) 859-5663

SITE DATA TABLE

PROJECT NAME:	CHAPEL HILL HIGH SCHOOL
PROJECT ADDRESS:	1709 HIGH SCHOOL RD
TOTAL ACREAGE:	101.96 AC (±4,441,378 SF)
ACREAGE AFTER RECOMBINATION:	96.54 AC (±4,205,282 SF)
PIN NUMBER:	9779686385
ZONING:	R-1
FLOOR AREA RATIO:	0.174 - SCHOOL
USE:	HIGH SCHOOL
BUILDING SIZE:	
EX ELEMENTARY SCHOOL:	67,715 SF
EX MIDDLE SCHOOL:	140,000 SF
EX HIGH SCHOOL TO REMAIN:	100,015 SF
PROPOSED HS ADDITION:	163,273 SF
TOTAL:	471,003 SF
FAR LAND AREA DEDICATION:	
ELEMENTARY SCHOOL @ 0.174:	389,200 SF
MIDDLE SCHOOL @ 0.174:	928,927 SF
HIGH SCHOOL @ 0.174:	2,716,400 SF
TOTAL FAR ALLOWED:	702,008 SF
ONSITE IMPERVIOUS AREA EXISTING:	29.8 ± ACRES
ONSITE IMPERVIOUS AREA PROPOSED:	30.3 ± ACRES
DISTURBED AREA:	21.6 ± ACRES

REQUIRED PARKING:
HIGH SCHOOL: 1 SPACE PER 4 STUDENTS (MIN); 1 SPACE PER 3 STUDENTS (MAX); 1 BIKE SPACE PER 10 STUDENTS

TOTAL NUMBER OF STUDENTS = 1,625

TOTAL REQUIRED: 441 (MIN); 588(MAX); 177(BIKE)

PROVIDED PARKING:
175 - EXISTING SPACES
409 - PROPOSED SPACES
584 - TOTAL SPACES FOR HIGH SCHOOL (INCLUDING 18 ADA SPACES)
178 - BIKE SPACES

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37233-102

Chapel Hill HS Expansion
Chapel Hill-Carrboro County Schools
1709 High School Road,Chapel Hill, NC 27516

PROJECT NO: 38753	DATE: November 09, 2017
REVISIONS	
DATE	DESCRIPTION
-	-
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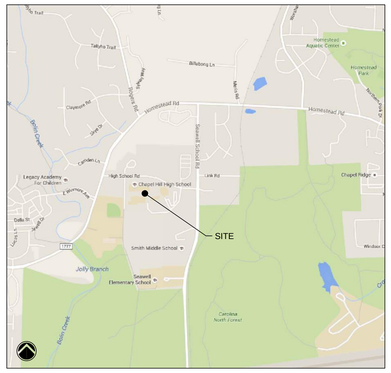
COVER SHEET

C0.0



LOCATION MAP

NOT TO SCALE

LEGEND

- PROPOSED SITE PROPERTY LINE
- ZONING BOUNDARY
- CHAPEL HILL TOWN LIMITS
- 1000' NOTIFICATION AREA
- PROPOSED SITE

NAD 83

SCALE 1"=250'

0 250' 500'

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Chapel Hill HS Expansion

Chapel Hill-Carrboro County Schools
1709 High School Road,Chapel Hill, NC 27516

PROJECT NO: 38753	DATE: November 09, 2017
REVISIONS	
DATE	DESCRIPTION
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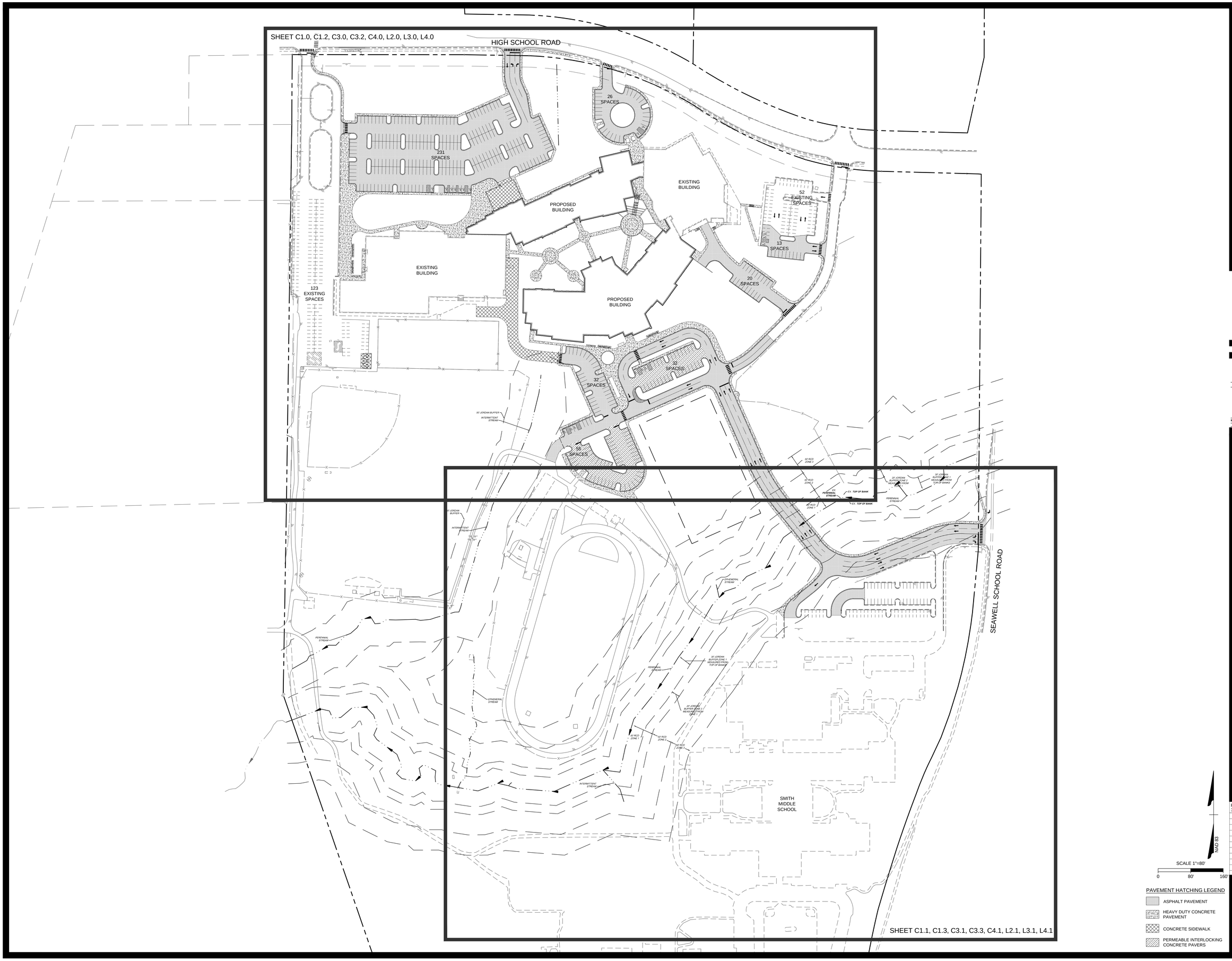
AREA MAP

C0.1



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NAD 83

SCALE 1"=80'

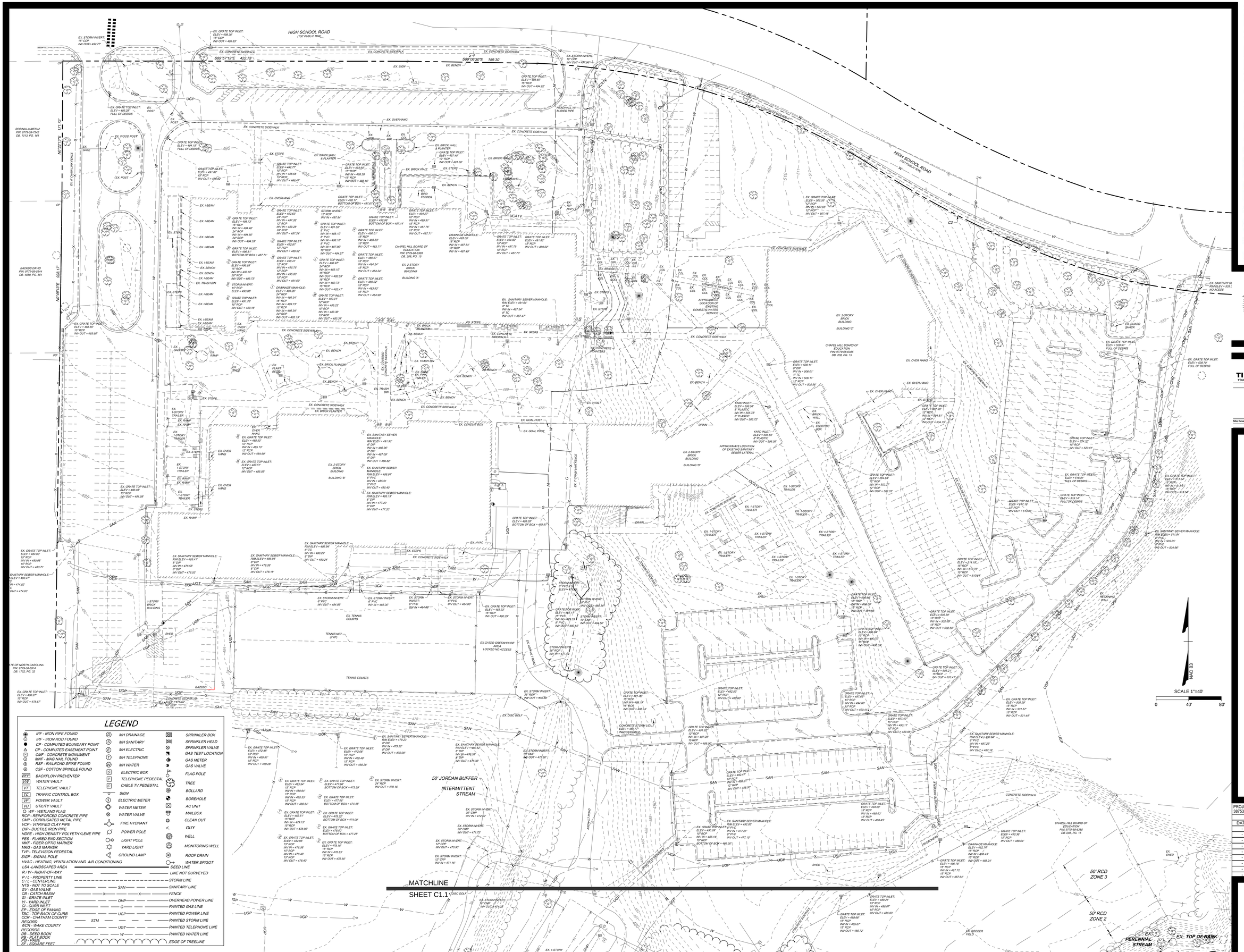
0 80' 160'

PAVEMENT HATCHING LEGEND

- ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- PERMEABLE INTERLOCKING CONCRETE PAVERS

OVERALL PLAN

C0.2



LEGEND

IPF - IRON PIPE FOUND	MH DRAINAGE	SPRINKLER BOX	
IRF - IRON ROD FOUND	MH SANITARY	SPRINKLER HEAD	
CP - COMPUTED BOUNDARY POINT	MH ELECTRIC	SPRINKLER VALVE	
CP - COMPUTED EASEMENT POINT	MH TELEPHONE	GAS TEST LOCATION	
CMF - CONCRETE MONUMENT	MH WATER	GAS METER	
MNF - MAG NAIL FOUND	ELECTRIC BOX	GAS VALVE	
RSF - RAILROAD SPIKE FOUND	TELEPHONE PEDESTAL	FLAG POLE	
CSF - COTTON SPINDLE FOUND	CABLE TV PEDESTAL	TREE	
BKFP BACKFLOW PREVENTER	SIGN	BOLLARD	
WV WATER VAULT	ELECTRIC METER	BOREHOLE	
TV TELEPHONE VAULT	WATER METER	AC UNIT	
UV UTILITY VAULT	WATER VALVE	MAILBOX	
WF - WETLAND FLAG	FIRE HYDRANT	CLEAN OUT	
RCP - REINFORCED CONCRETE PIPE	POWER POLE	GUY	
CMP - CORRUGATED METAL PIPE	LIGHT POLE	WELL	
VCP - VITRIFIED CLAY PIPE	YARD LIGHT	MONITORING WELL	
DIP - DUCTILE IRON PIPE	GROUND LAMP	ROOF DRAIN	
HDPE - HIGH DENSITY POLYETHYLENE PIPE		WATER SPIGOT	
FES - FLARED END SECTION			
MKF - FIBER OPTIC MARKER			
MKG - GAS MARKER			
TVP - TELEVISION PEDESTAL			
SIGP - SIGNAL POLE			
HVAC - HEATING, VENTILATION AND AIR CONDITIONING			
LSA - LANDSCAPED AREA		DEED LINE	
R / W - RIGHT-OF-WAY		LINE NOT SURVEYED	
P / L - PROPERTY LINE		STORM LINE	
C / L - CENTERLINE		SANITARY LINE	
NTS - NOT TO SCALE		FENCE	
GV - GAS VALVE		OVERHEAD POWER LINE	
CB - CATCH BASIN		PAINTED GAS LINE	
GI - GRATE INLET		PAINTED POWER LINE	
YI - YARD INLET		PAINTED STORM LINE	
CI - CURB INLET		PAINTED TELEPHONE LINE	
EP - EDGE OF PAVING		PAINTED WATER LINE	
TBC - TOP BACK OF CURB		EDGE OF TREELINE	
CCR - CHATHAM COUNTY RECORD			
WCR - WAKE COUNTY RECORDS			
DB - DEED BOOK			
PB - PLAT BOOK			
SF - SQUARE FEET			

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Chapel Hill HS Expansion

Chapel Hill-Carrboro County Schools
1709 High School Road,Chapel Hill, NC 27516

PROJECT NO: 38753	DATE: November 09, 2017
REVISIONS	
DATE	DESCRIPTION
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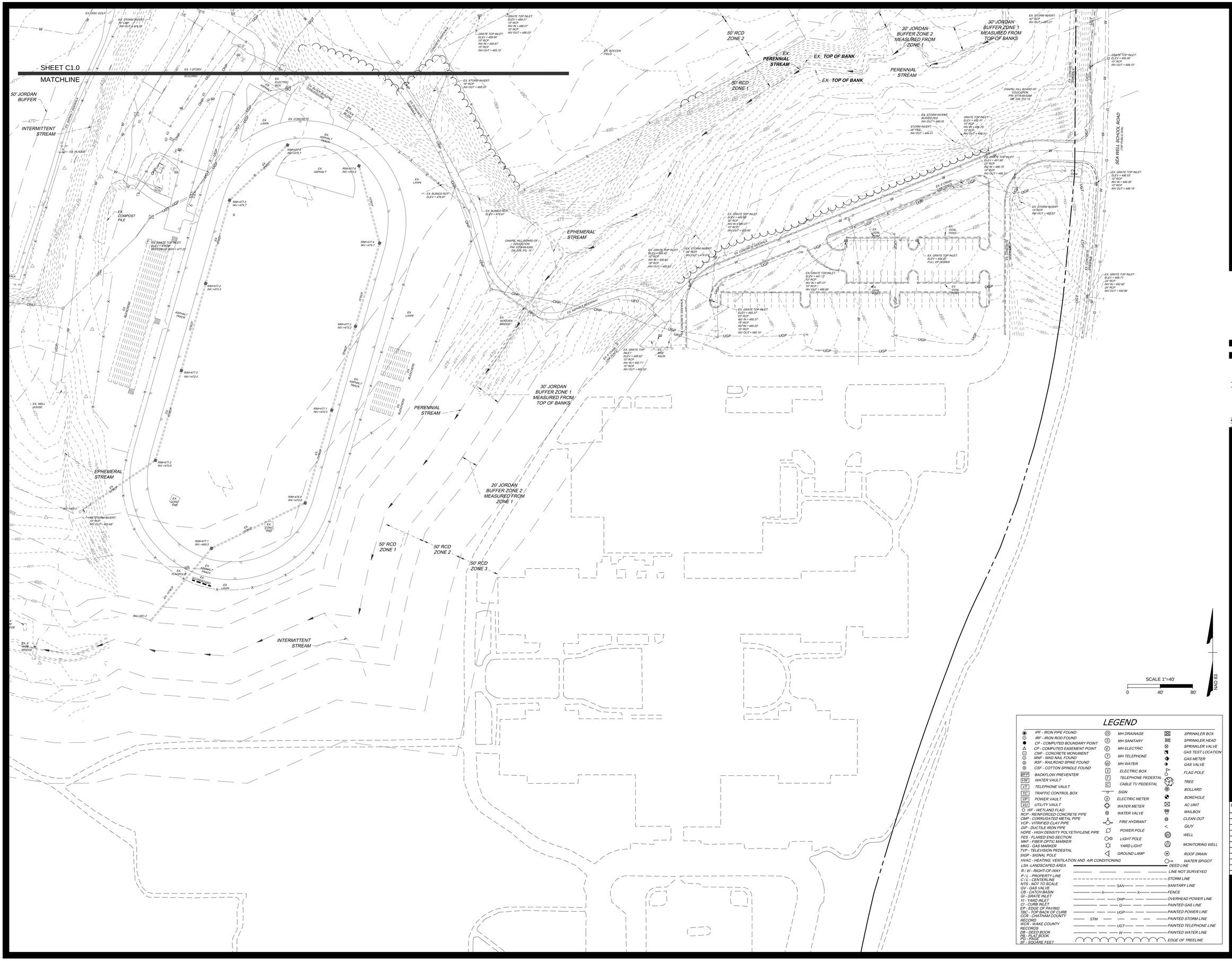
EXISTING CONDITIONS PLAN

C1.0



LEGEND

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VU UTILITY VAULT		POWER POLE		GUY	
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Chapel Hill HS Expansion

Chapel Hill-Carrboro County Schools
1709 High School Road,Chapel Hill, NC 27516

PROJECT NO:	DATE: November 09, 2017

REVISIONS

DATE	DESCRIPTION
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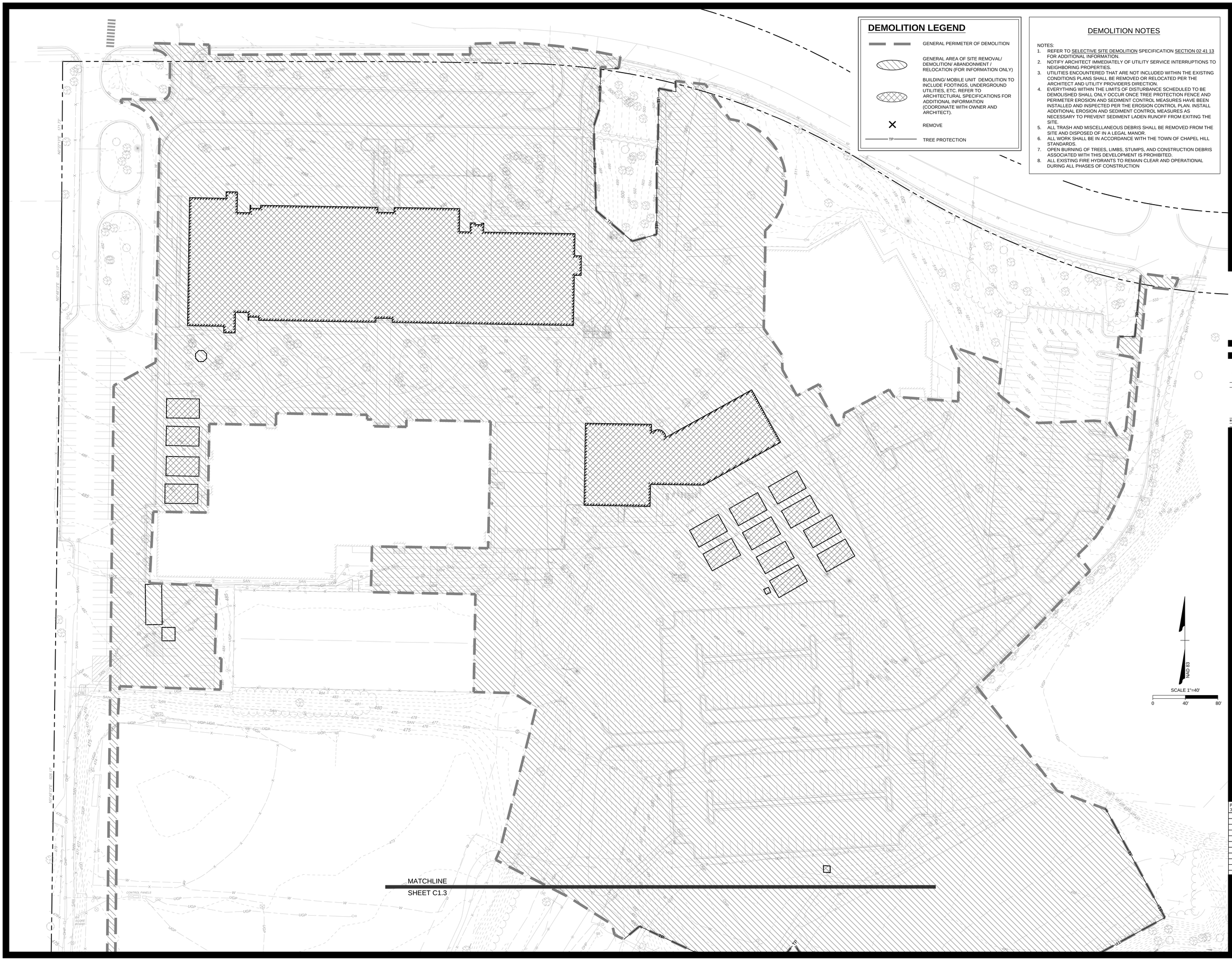
EXISTING CONDITIONS PLAN

C1.1



DEMOLITION LEGEND

- GENERAL PERIMETER OF DEMOLITION
- GENERAL AREA OF SITE REMOVAL/ DEMOLITION/ ABANDONMENT / RELOCATION (FOR INFORMATION ONLY)
- BUILDING/ MOBILE UNIT DEMOLITION TO INCLUDE FOOTINGS, UNDERGROUND UTILITIES, ETC. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION (COORDINATE WITH OWNER AND ARCHITECT).
- REMOVE
- TP — TREE PROTECTION

DEMOLITION NOTES

NOTES:

1. REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION SECTION 02 41 13 FOR ADDITIONAL INFORMATION.
2. NOTIFY ARCHITECT IMMEDIATELY OF UTILITY SERVICE INTERRUPTIONS TO NEIGHBORING PROPERTIES.
3. UTILITIES ENCOUNTERED THAT ARE NOT INCLUDED WITHIN THE EXISTING CONDITIONS PLANS SHALL BE REMOVED OR RELOCATED PER THE ARCHITECT AND UTILITY PROVIDERS DIRECTION.
4. EVERYTHING WITHIN THE LIMITS OF DISTURBANCE SCHEDULED TO BE DEMOLISHED SHALL ONLY OCCUR ONCE TREE PROTECTION FENCE AND PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED PER THE EROSION CONTROL PLAN. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM EXITING THE SITE.
5. ALL TRASH AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANOR.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL STANDARDS.
7. OPEN BURNING OF TREES, LIMBS, STUMPS, AND CONSTRUCTION DEBRIS ASSOCIATED WITH THIS DEVELOPMENT IS PROHIBITED.
8. ALL EXISTING FIRE HYDRANTS TO REMAIN CLEAR AND OPERATIONAL DURING ALL PHASES OF CONSTRUCTION

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Site Development [Residential][Infrastructure] Technology
37439-102

Chapel Hill HS Expansion

Chapel Hill-Carrboro County Schools
1709 High School Road,Chapel Hill, NC 27516

PROJECT NO: 38753	DATE: November 09, 2017
REVISIONS	
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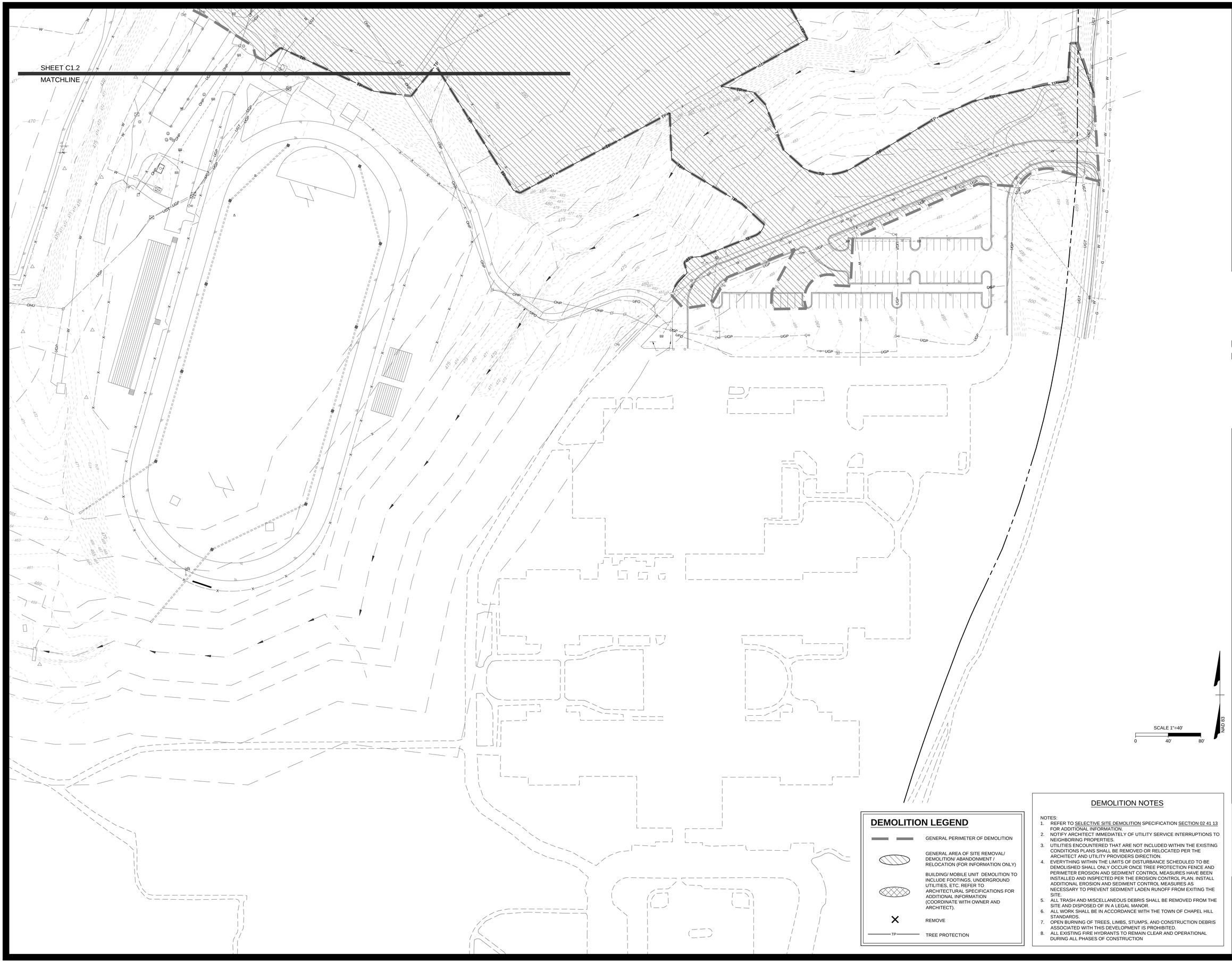
DEMOLITION PLAN

C1.2



DEMOLITION LEGEND

- GENERAL PERIMETER OF DEMOLITION
- GENERAL AREA OF SITE REMOVAL/ DEMOLITION/ ABANDONMENT / RELOCATION (FOR INFORMATION ONLY)
- BUILDING/ MOBILE UNIT DEMOLITION TO INCLUDE FOOTINGS, UNDERGROUND UTILITIES, ETC. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION (COORDINATE WITH OWNER AND ARCHITECT).
- REMOVE
- TREE PROTECTION

DEMOLITION NOTES

NOTES:

1. REFER TO SELECTIVE SITE DEMOLITION SPECIFICATION SECTION 02 41 13 FOR ADDITIONAL INFORMATION.
2. NOTIFY ARCHITECT IMMEDIATELY OF UTILITY SERVICE INTERRUPTIONS TO NEIGHBORING PROPERTIES.
3. UTILITIES ENCOUNTERED THAT ARE NOT INCLUDED WITHIN THE EXISTING CONDITIONS PLANS SHALL BE REMOVED OR RELOCATED PER THE ARCHITECT AND UTILITY PROVIDERS DIRECTION.
4. EVERYTHING WITHIN THE LIMITS OF DISTURBANCE SCHEDULED TO BE DEMOLISHED SHALL ONLY OCCUR ONCE TREE PROTECTION FENCE AND PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED PER THE EROSION CONTROL PLAN. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM EXITING THE SITE.
5. ALL TRASH AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANOR.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL STANDARDS.
7. OPEN BURNING OF TREES, LIMBS, STUMPS, AND CONSTRUCTION DEBRIS ASSOCIATED WITH THIS DEVELOPMENT IS PROHIBITED.
8. ALL EXISTING FIRE HYDRANTS TO REMAIN CLEAR AND OPERATIONAL DURING ALL PHASES OF CONSTRUCTION

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NORTH CAROLINA PROFESSIONAL SEAL 038616 ENGINEER WALTER BLAKE HALL

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DEMOLITION PLAN

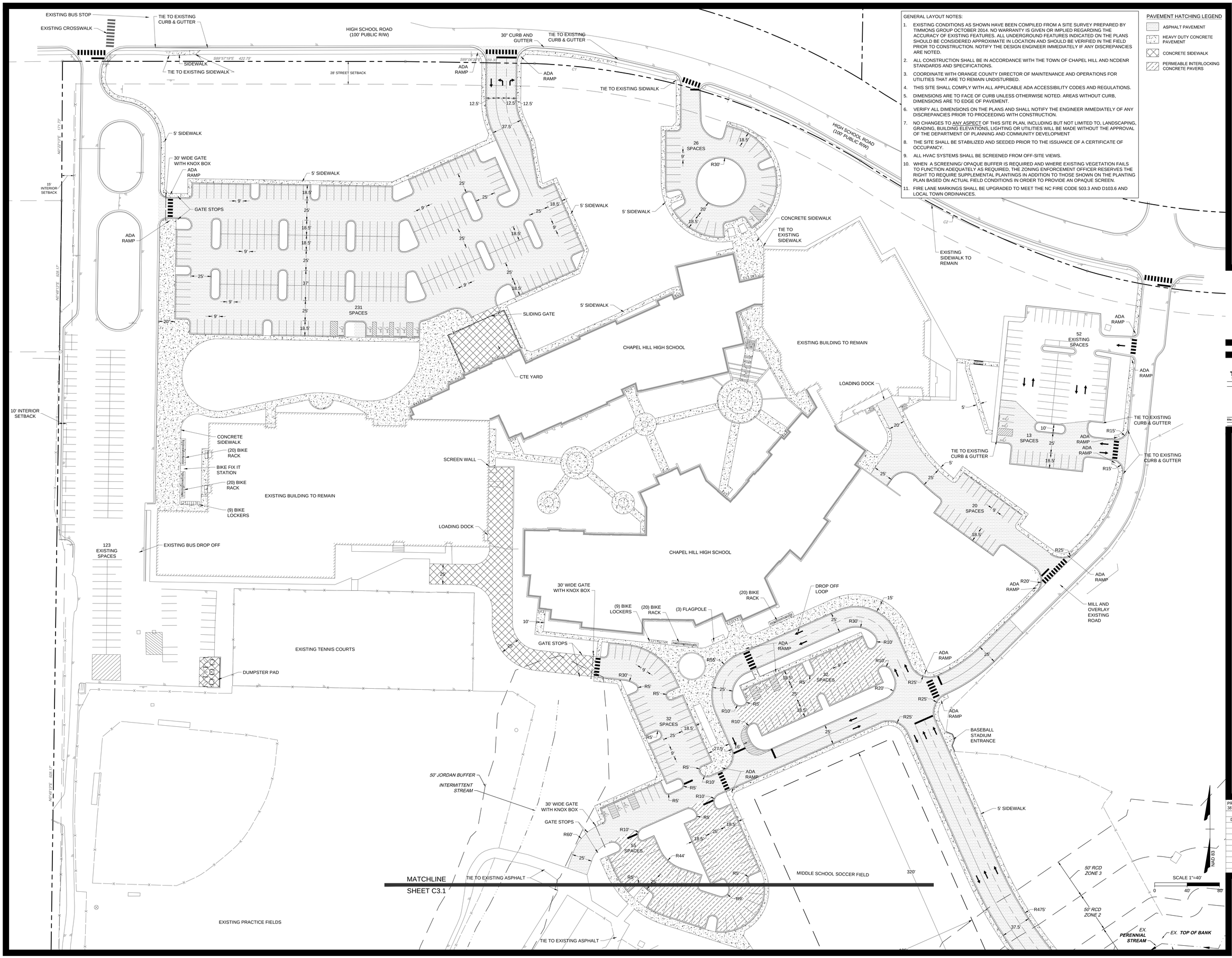
C1.3

GENERAL LAYOUT NOTES:

1. EXISTING CONDITIONS AS SHOWN HAVE BEEN COMPILED FROM A SITE SURVEY PREPARED BY TIMMONS GROUP OCTOBER 2014. NO WARRANTY IS GIVEN OR IMPLIED REGARDING THE ACCURACY OF EXISTING FEATURES. ALL UNDERGROUND FEATURES INDICATED ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE NOTED.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL AND NCDENR STANDARDS AND SPECIFICATIONS.
3. COORDINATE WITH ORANGE COUNTY DIRECTOR OF MAINTENANCE AND OPERATIONS FOR UTILITIES THAT ARE TO REMAIN UNDISTURBED.
4. THIS SITE SHALL COMPLY WITH ALL APPLICABLE ADA ACCESSIBILITY CODES AND REGULATIONS.
5. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED. AREAS WITHOUT CURB, DIMENSIONS ARE TO EDGE OF PAVEMENT.
6. VERIFY ALL DIMENSIONS ON THE PLANS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. NO CHANGES TO ANY ASPECT OF THIS SITE PLAN, INCLUDING BUT NOT LIMITED TO, LANDSCAPING, GRADING, BUILDING ELEVATIONS, LIGHTING OR UTILITIES WILL BE MADE WITHOUT THE APPROVAL OF THE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
8. THE SITE SHALL BE STABILIZED AND SEEDED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
9. ALL HVAC SYSTEMS SHALL BE SCREENED FROM OFF-SITE VIEWS.
10. WHEN A SCREENING/ OPAQUE BUFFER IS REQUIRED AND WHERE EXISTING VEGETATION FAILS TO FUNCTION ADEQUATELY AS REQUIRED, THE ZONING ENFORCEMENT OFFICER RESERVES THE RIGHT TO REQUIRE SUPPLEMENTAL PLANTINGS IN ADDITION TO THOSE SHOWN ON THE PLANTING PLAN BASED ON ACTUAL FIELD CONDITIONS IN ORDER TO PROVIDE AN OPAQUE SCREEN.
11. FIRE LANE MARKINGS SHALL BE UPGRADED TO MEET THE NC FIRE CODE 503.3 AND D103.6 AND LOCAL TOWN ORDINANCES.

PAVEMENT HATCHING LEGEND

- ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- PERMEABLE INTERLOCKING CONCRETE PAVERS



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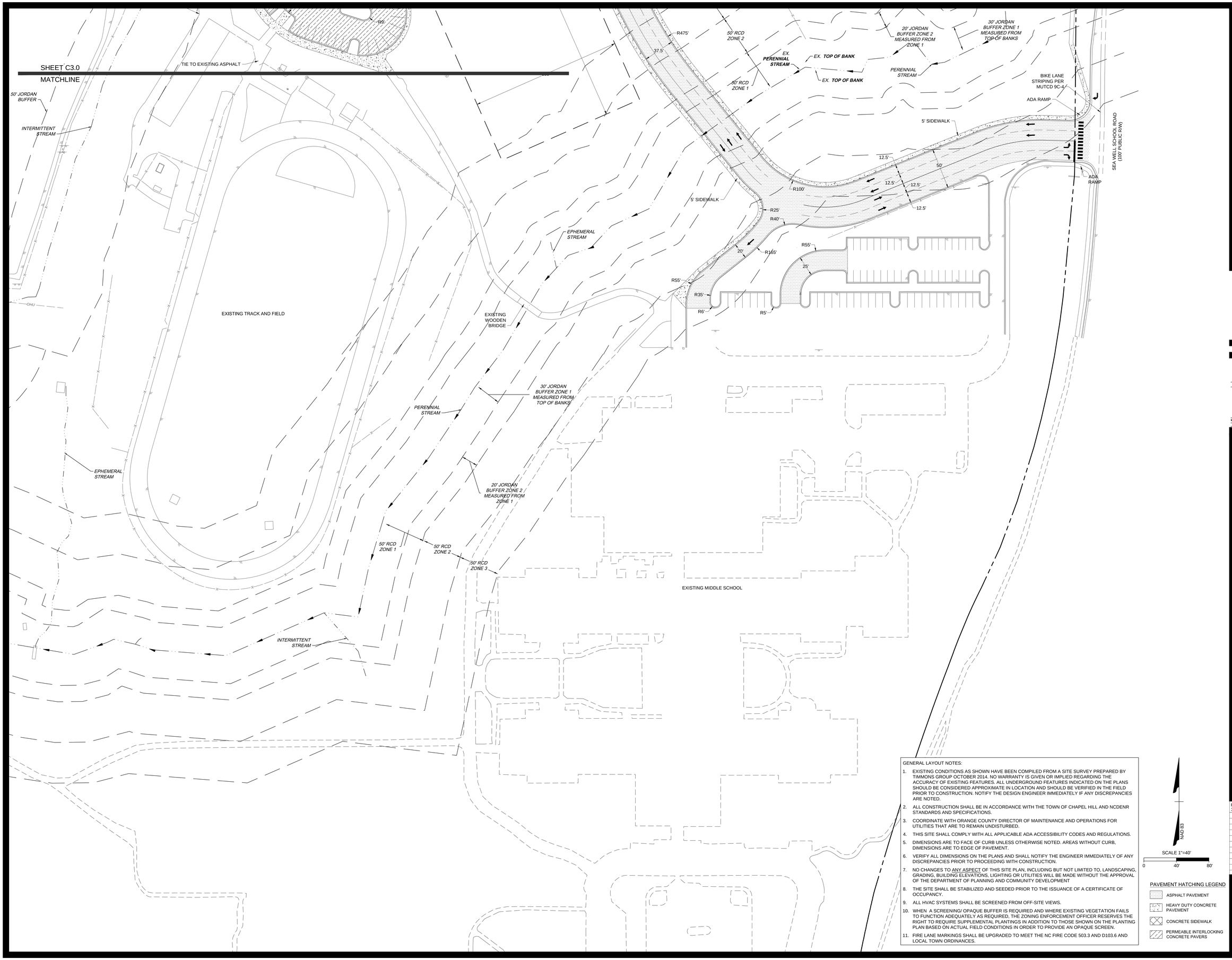
SITE PLAN

C3.0



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NAD 83

SCALE 1"=40'

0 40' 80'

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SITE PLAN

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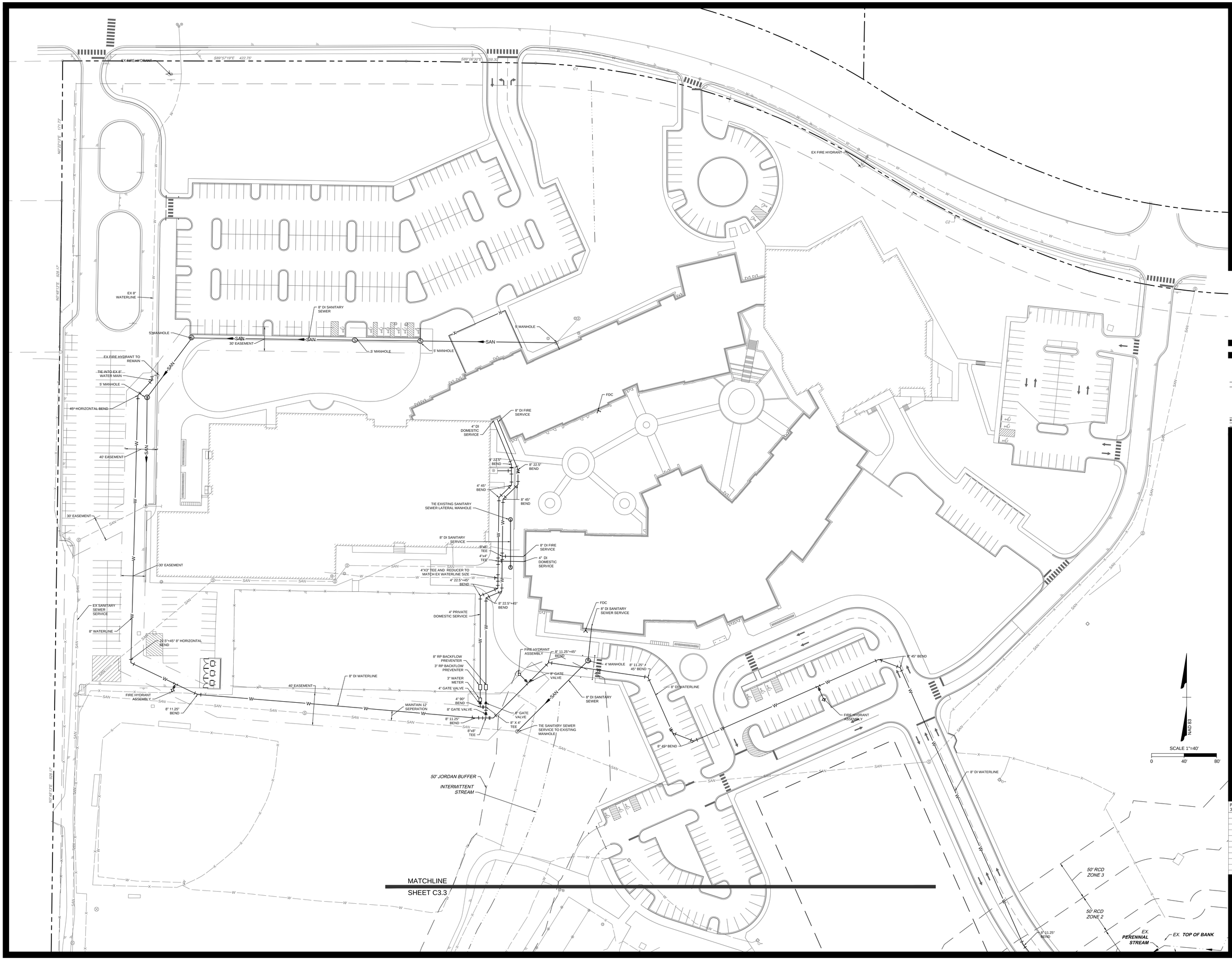

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UTILITY PLAN

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