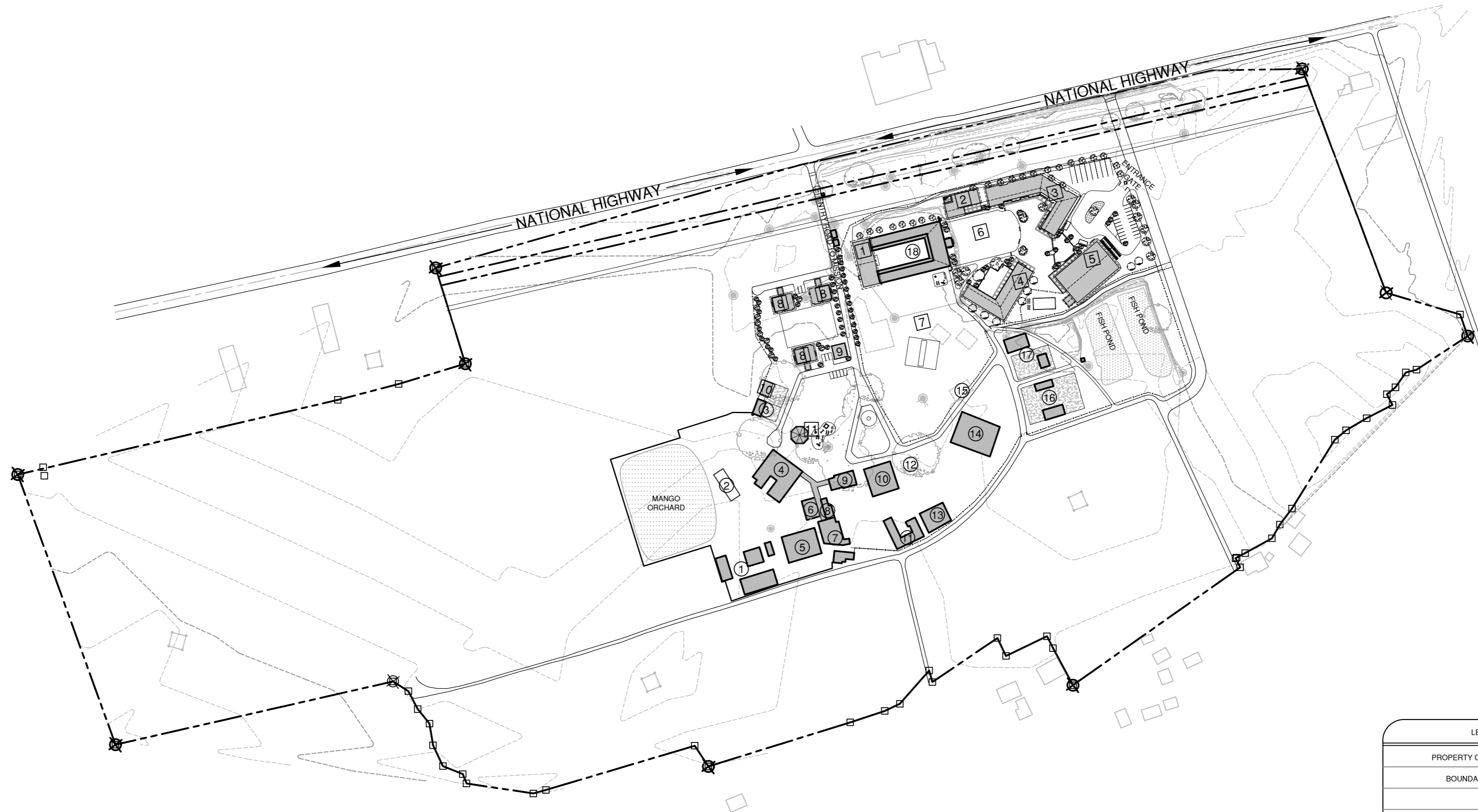


1 **MAXTON STRONG SCHOOL CONCEPT - PERSPECTIVE**

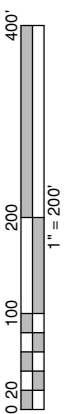
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BUILDING KEY

- | | | |
|--------------------------|---|--|
| ① DAIRY | ⑬ OLD KINDERGARTEN SCHOOL | ⑱ MSS - PRIMARY SCHOOL BLOCK EXTENSION |
| ② SWIMMING POOL | ⑭ CARPENTRY (TO BE DEMOLISHED) | ⑲ MSS - LEARNING RESOURCE CENTRE |
| ③ GUEST HOUSE + KULLA 1 | ⑮ RESIDENTIAL AREA | ⑳ MSS - SECONDARY SCHOOL BLOCK |
| ④ KITCHEN/DINING/LAUNDRY | ⑯ BIG BOYS HOSTEL | ㉑ MSS - KINDERGARTEN |
| ⑤ BIG GIRLS HOSTEL | ⑰ VEHICLE STORAGE (TO BE DEMOLISHED) | ㉒ MSS - AUDITORIUM/GYMNASIUM |
| ⑥ NEW GIRLS HOSTEL | ⑱ KULLA 2 | ㉓ MSS - CENTRAL ASSEMBLY AREA |
| ⑦ SMALL GIRLS HOSTEL | ⑲ WORKSHOP AREA | ㉔ MSS - PLAY-FIELD |
| ⑧ NURSERY | ⑳ MAXTON STRONG SCHOOL (MSS) - PRIMARY SCHOOL BLOCK | ㉕ STAFF HOUSING |
| ⑨ DIRECTOR'S RESIDENCE | ㉑ EXISTING BUILDINGS | ㉖ OFFICE |
| ⑩ SMALL BOYS HOSTEL | ㉒ PROPOSED BUILDINGS | ㉗ GUEST HOUSE |
| | | ㉘ FAMILY PAVILION + PLAY AREA |

LEGEND	
PROPERTY CORNER	⊕
BOUNDARY LINE	--- --
WALL	—
EXISTING UTILITY POLE	●
OVERHEAD ELECTRICAL LINE	--- · · ·
T-FENCEPOSTS, PRESUMED UNMAINTAINED FENCE LINE	- · - · - · -
EXISTING TREE	🌳
PROPOSED TREE	🌳
EXISTING BUILDINGS	■
PROPOSED BUILDINGS	▨
EXISTING BUILDINGS TO BE DEMOLISHED	▤
EXISTING/PROPOSED ROADS	—



1 **MASTER PLAN CONCEPT**
1" = 200' SITE AREA: 74.02 ACRES



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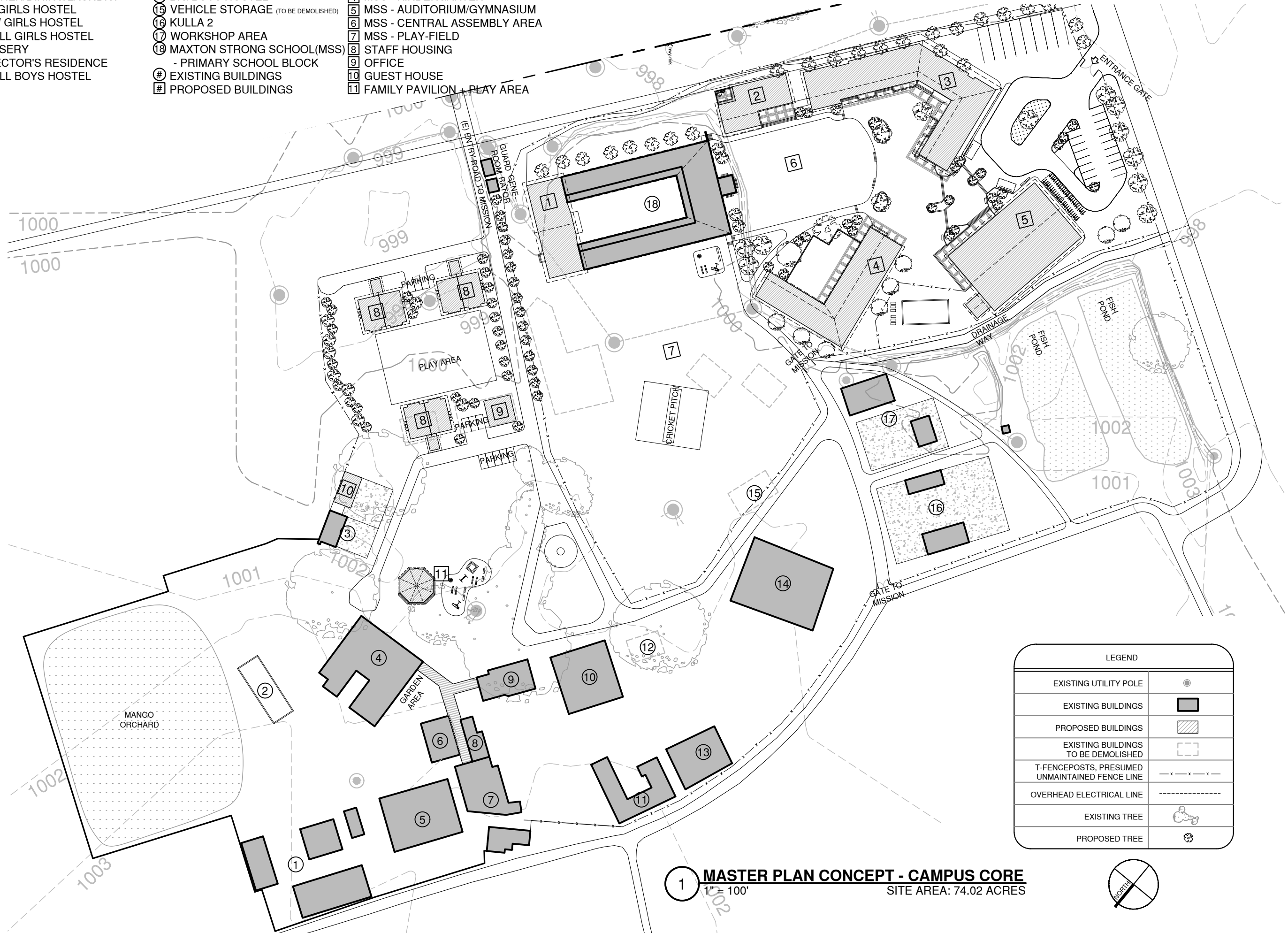
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M1

BUILDING KEY

- | | | |
|--------------------------|--|--|
| ① DAIRY | ⑪ OLD KINDERGARTEN SCHOOL | ① MSS - PRIMARY SCHOOL BLOCK EXTENSION |
| ② SWIMMING POOL | ⑫ CARPENTRY (TO BE DEMOLISHED) | ② MSS - LEARNING RESOURCE CENTRE |
| ③ GUEST HOUSE + KULLA 1 | ⑬ RESIDENTIAL AREA | ③ MSS - SECONDARY SCHOOL BLOCK |
| ④ KITCHEN/DINING/LAUNDRY | ⑭ BIG BOYS HOSTEL | ④ MSS - KINDERGARTEN |
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| ⑥ NEW GIRLS HOSTEL | ⑯ KULLA 2 | ⑥ MSS - CENTRAL ASSEMBLY AREA |
| ⑦ SMALL GIRLS HOSTEL | ⑰ WORKSHOP AREA | ⑦ MSS - PLAY-FIELD |
| ⑧ NURSERY | ⑱ MAXTON STRONG SCHOOL(MSS) - PRIMARY SCHOOL BLOCK | ⑧ STAFF HOUSING |
| ⑨ DIRECTOR'S RESIDENCE | Ⓝ EXISTING BUILDINGS | ⑨ OFFICE |
| ⑩ SMALL BOYS HOSTEL | Ⓜ PROPOSED BUILDINGS | ⑩ GUEST HOUSE |
| | | ⑪ FAMILY PAVILION + PLAY AREA |



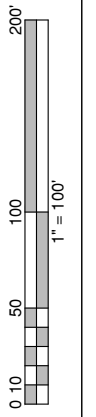
LEGEND	
EXISTING UTILITY POLE	●
EXISTING BUILDINGS	■
PROPOSED BUILDINGS	▨
EXISTING BUILDINGS TO BE DEMOLISHED	□
T-FENCEPOSTS, PRESUMED UNMAINTAINED FENCE LINE	-x-x-x-
OVERHEAD ELECTRICAL LINE	----
EXISTING TREE	🌳
PROPOSED TREE	🌱

1 MASTER PLAN CONCEPT - CAMPUS CORE
 1" = 100'
 SITE AREA: 74.02 ACRES



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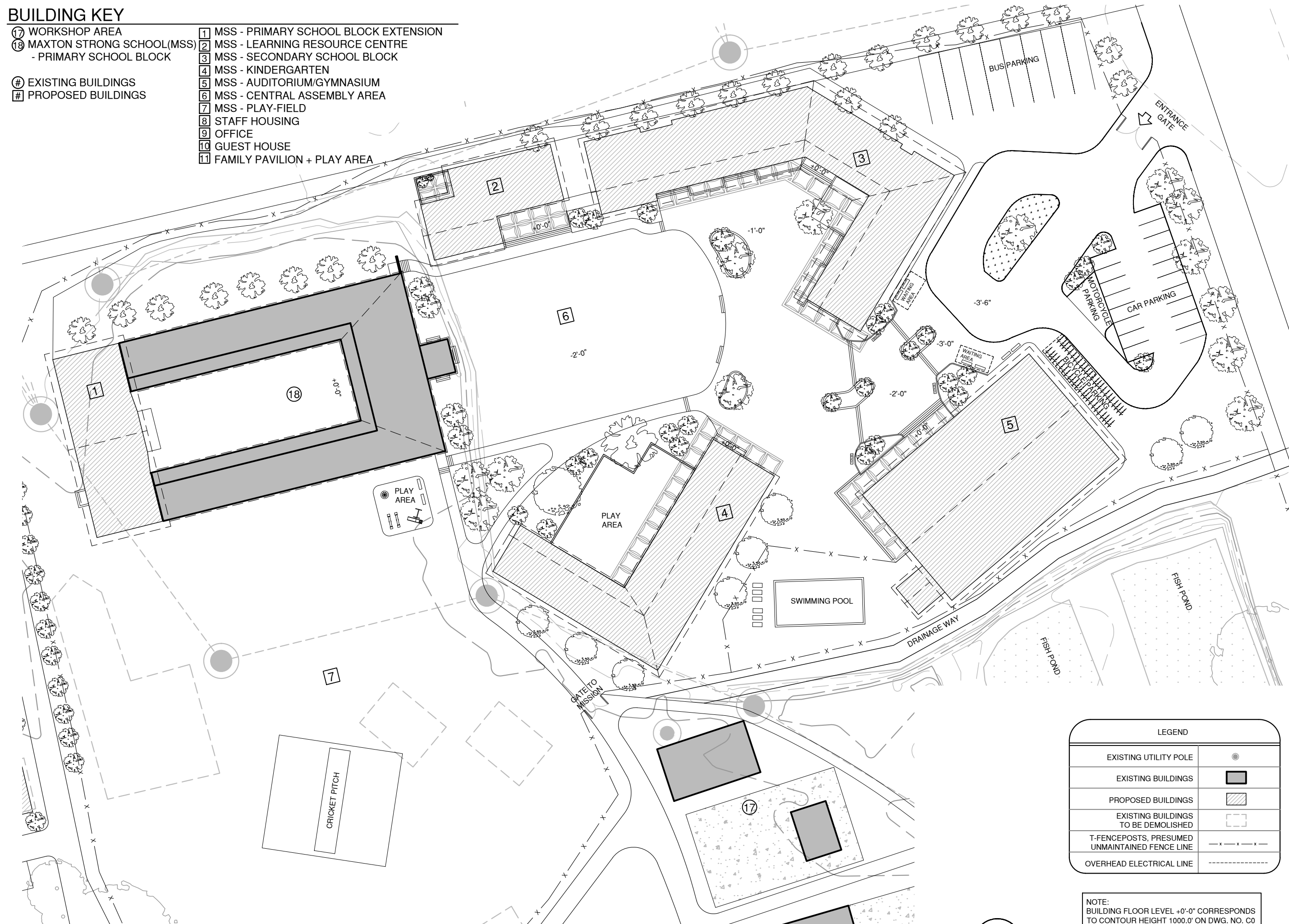
**MASTER PLAN CONCEPT
 CAMPUS CORE**

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BUILDING KEY

- ⑰ WORKSHOP AREA
- ⑱ MAXTON STRONG SCHOOL(MSS) - PRIMARY SCHOOL BLOCK
- # EXISTING BUILDINGS
- # PROPOSED BUILDINGS
- 1 MSS - PRIMARY SCHOOL BLOCK EXTENSION
- 2 MSS - LEARNING RESOURCE CENTRE
- 3 MSS - SECONDARY SCHOOL BLOCK
- 4 MSS - KINDERGARTEN
- 5 MSS - AUDITORIUM/GYMNASIUM
- 6 MSS - CENTRAL ASSEMBLY AREA
- 7 MSS - PLAY-FIELD
- 8 STAFF HOUSING
- 9 OFFICE
- 10 GUEST HOUSE
- 11 FAMILY PAVILION + PLAY AREA



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MAXTON STRONG SCHOOL CONCEPT
SITE PLAN

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LEGEND	
EXISTING UTILITY POLE	●
EXISTING BUILDINGS	■
PROPOSED BUILDINGS	▨
EXISTING BUILDINGS TO BE DEMOLISHED	□
T-FENCEPOSTS, PRESUMED UNMAINTAINED FENCE LINE	-x-x-x-
OVERHEAD ELECTRICAL LINE	-----

NOTE:
BUILDING FLOOR LEVEL +0'-0" CORRESPONDS TO CONTOUR HEIGHT 1000.0' ON DWG. NO. C0

1 MAXTON STRONG SCHOOL CONCEPT - SITE PLAN
1" = 50'
SITE AREA: 6 ACRES APPROX.



M3



1 MAXTON STRONG SCHOOL - SECONDARY SCHOOL CONCEPT - PERSPECTIVE

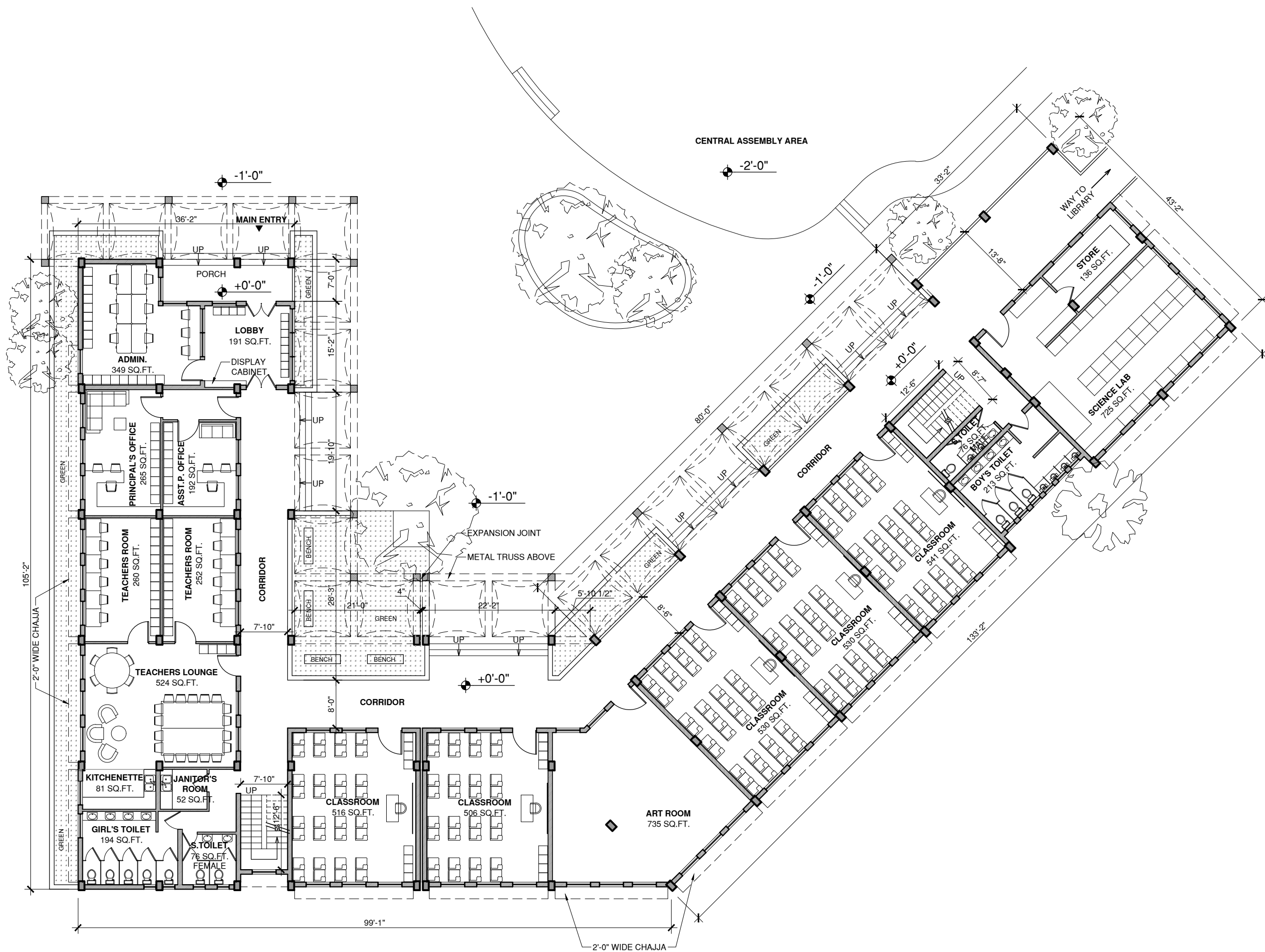
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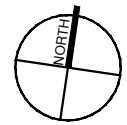
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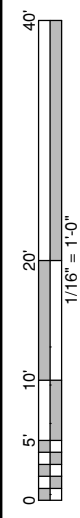
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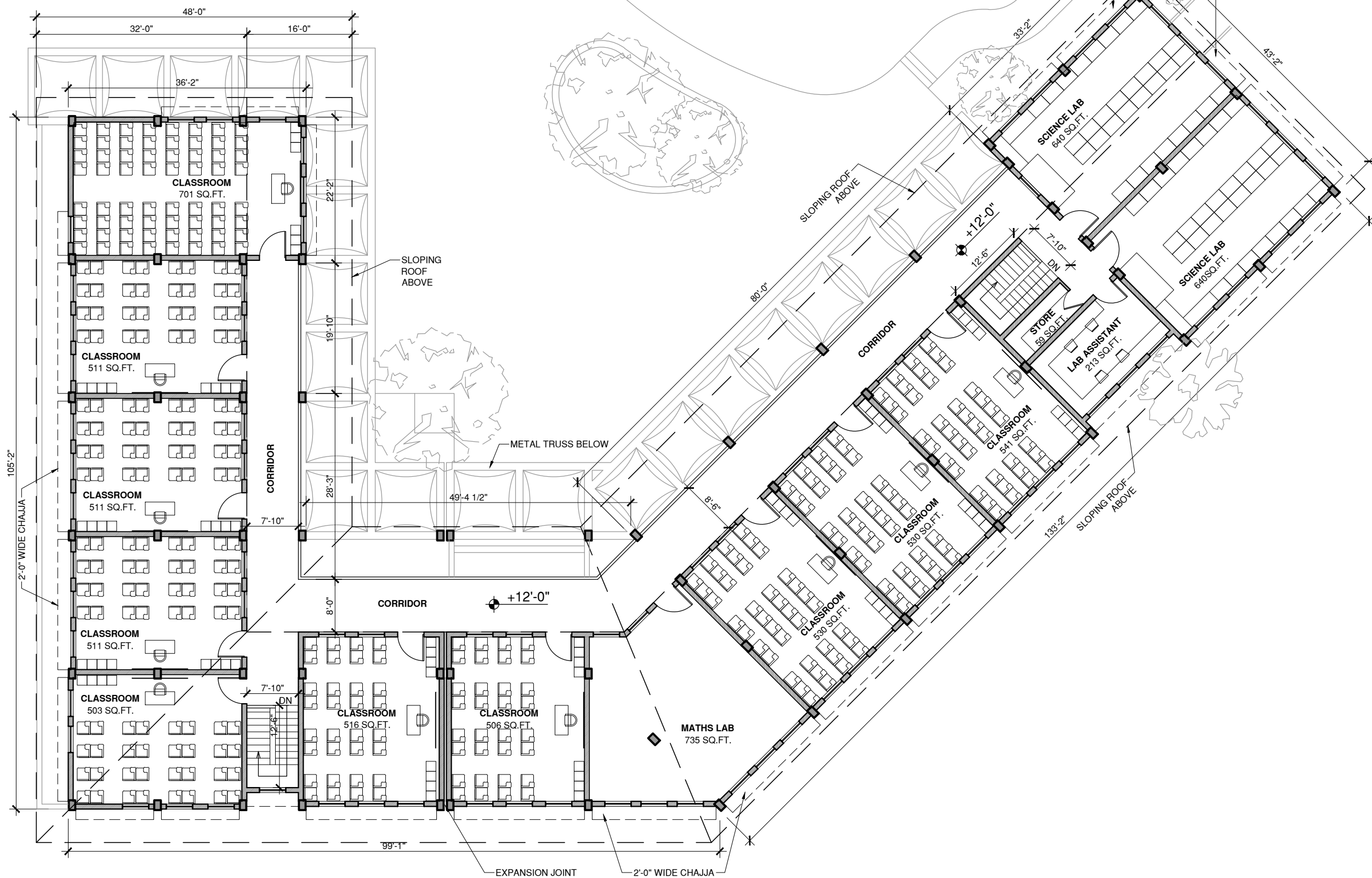
1 GROUND FLOOR PLAN
1/16"=1'-0" FLOOR AREA: 10736 SQUARE FEET

WALL LEGEND
 [Symbol] EXTERIOR WALL WITH 10in DOUBLE BRICK CAVITY WALL
 [Symbol] INTERIOR WALL WITH 5in SINGLE BRICK & PLASTER
 [Symbol] LOW / PARTIAL HEIGHT WALL



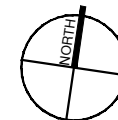


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WALL LEGEND

- EXTERIOR WALL WITH 10in DOUBLE BRICK CAVITY WALL
- INTERIOR WALL WITH 5in SINGLE BRICK & PLASTER
- LOW / PARTIAL HEIGHT WALL



1 FIRST FLOOR PLAN
1/16"=1'-0" FLOOR AREA: 10736 SQUARE FEET



1 **MAXTON STRONG SCHOOL - LEARNING RESOURCE CENTRE CONCEPT - PERSPECTIVE**

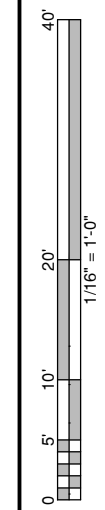
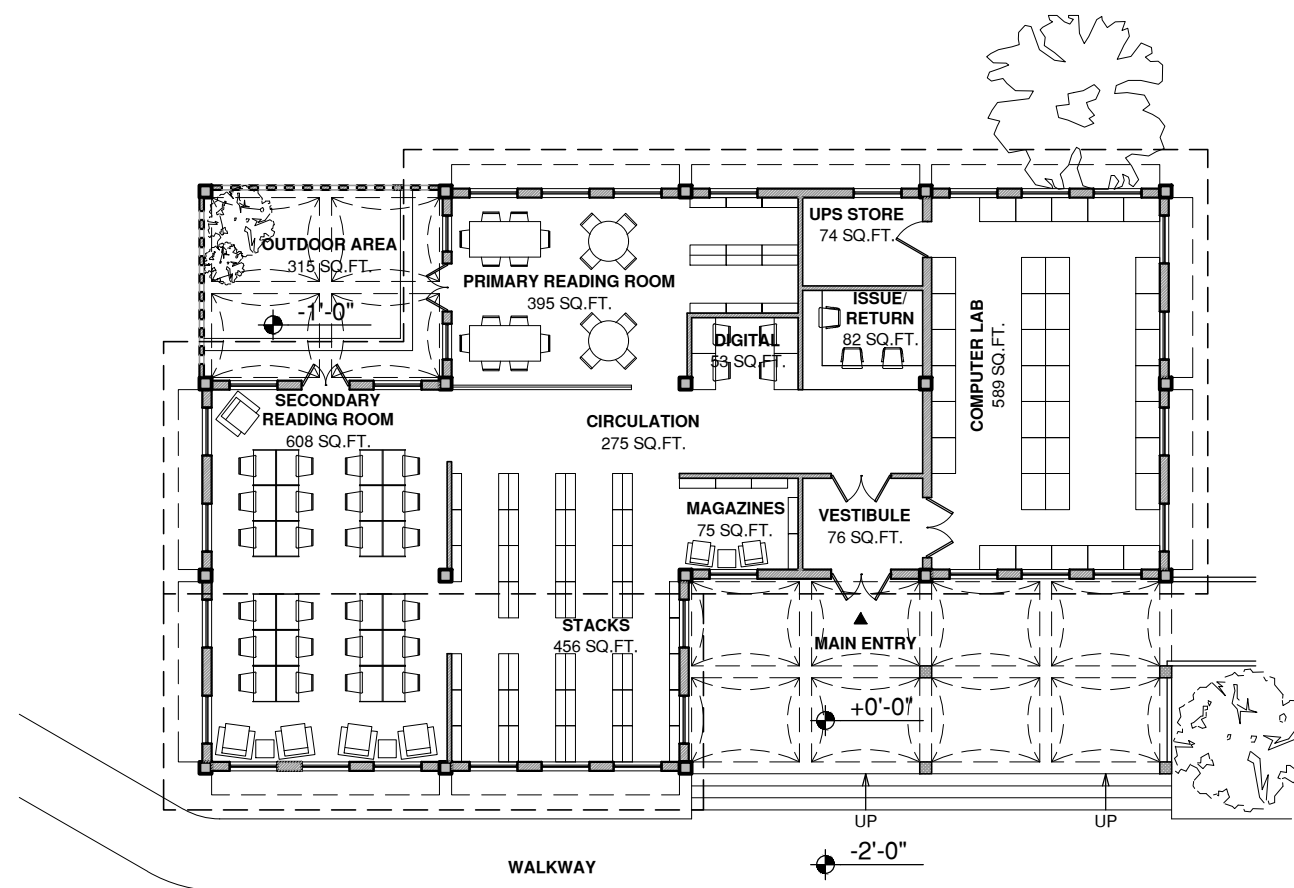
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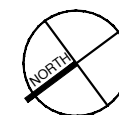
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1 GROUND FLOOR PLAN
1/16" = 1'-0" FLOOR AREA: 3009 SQUARE FEET



WALL LEGEND

- EXTERIOR WALL WITH 9in DOUBLE BRICK WALL
- INTERIOR WALL WITH 4.5in SINGLE BRICK WALL
- LOW / PARTIAL HEIGHT WALL

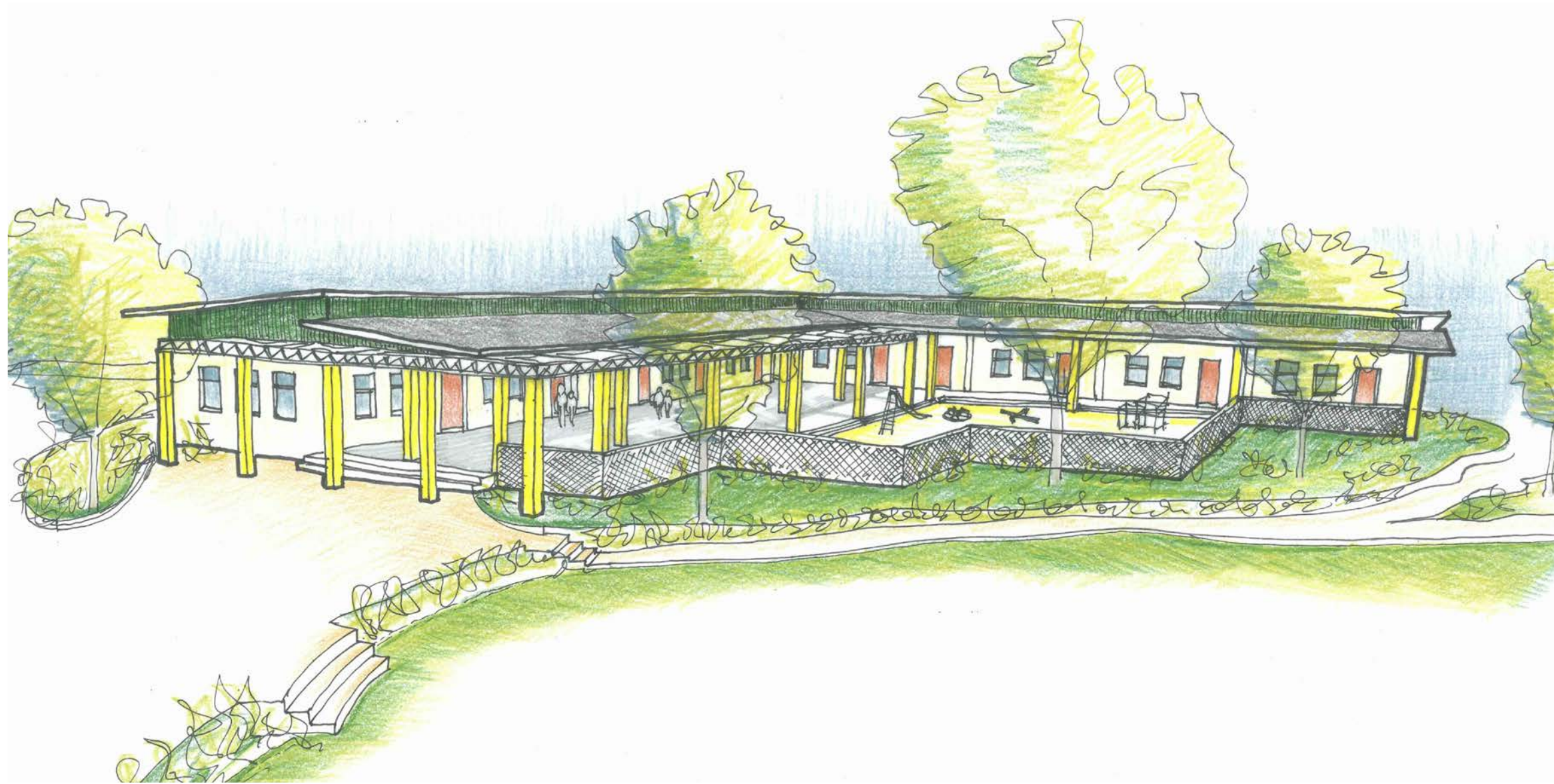
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MAXTON STRONG SCHOOL - KINDERGARTEN CONCEPT
PERSPECTIVE

1 **MAXTON STRONG SCHOOL - KINDERGARTEN CONCEPT - PERSPECTIVE**

PROJECT NO. :
IN-0238

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R4



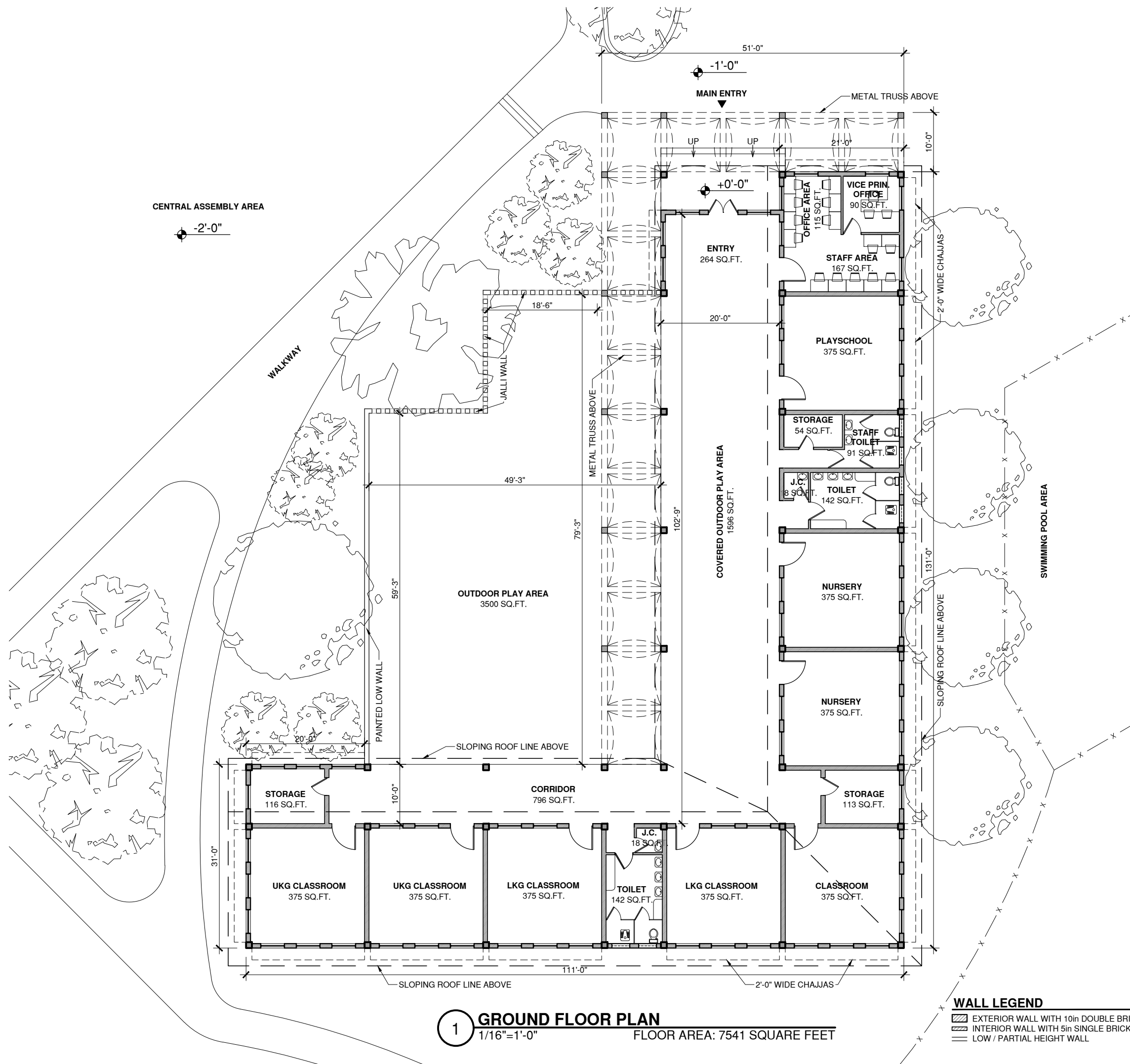
PROJECT NO. :
IN-0238

DRAWN BY :
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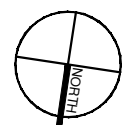
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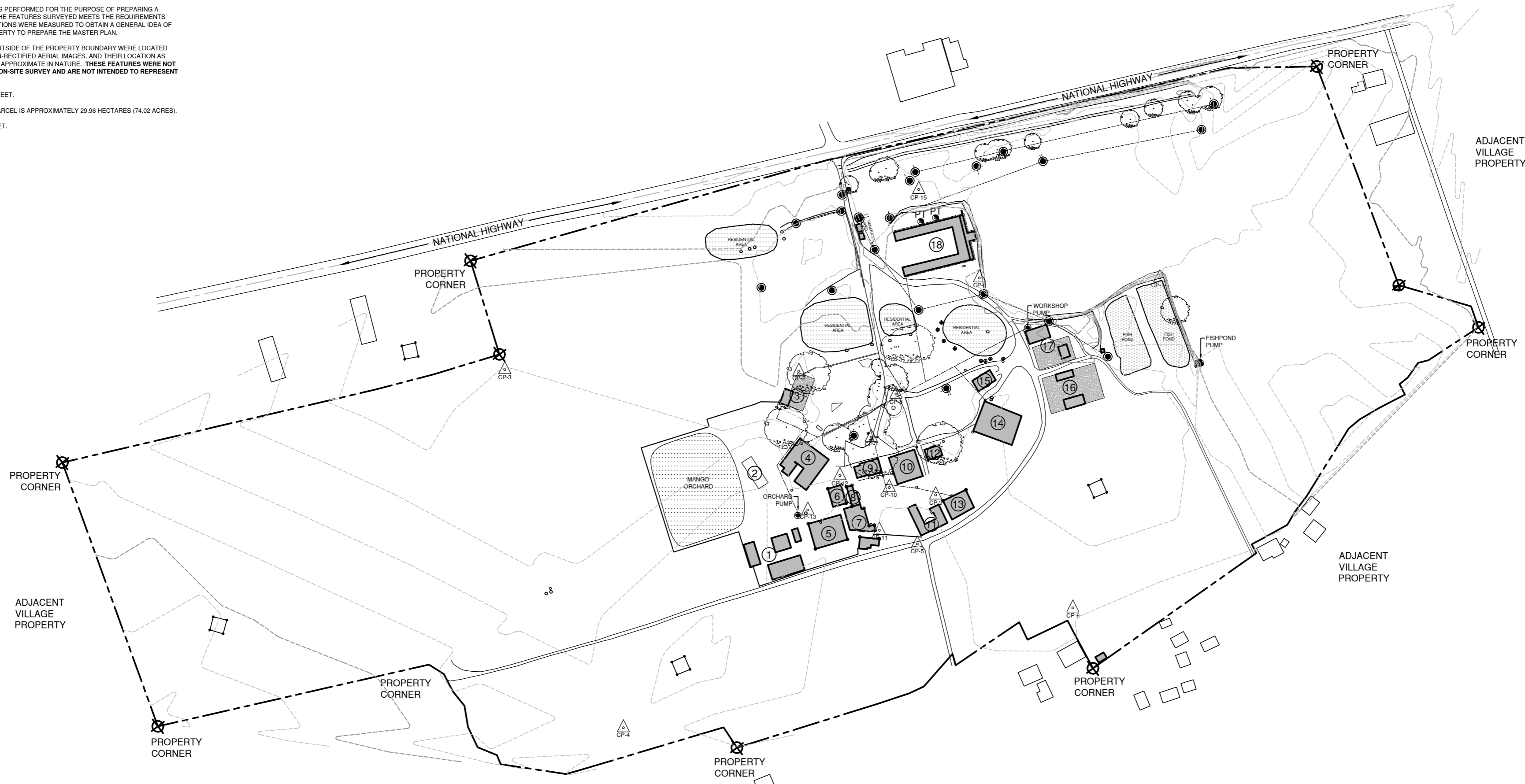
1 GROUND FLOOR PLAN
1/16"=1'-0" FLOOR AREA: 7541 SQUARE FEET

- WALL LEGEND**
- EXTERIOR WALL WITH 10in DOUBLE BRICK CAVITY WALL
 - INTERIOR WALL WITH 5in SINGLE BRICK & PLASTER
 - LOW / PARTIAL HEIGHT WALL



NOTES:

1. TOPOGRAPHIC SURVEY WAS PERFORMED FOR THE PURPOSE OF PREPARING A MASTER PLAN. DETAIL OF THE FEATURES SURVEYED MEETS THE REQUIREMENTS FOR THIS PURPOSE. ELEVATIONS WERE MEASURED TO OBTAIN A GENERAL IDEA OF THE TERRAIN OF THE PROPERTY TO PREPARE THE MASTER PLAN.
2. ALL FEATURES LOCATED OUTSIDE OF THE PROPERTY BOUNDARY WERE LOCATED USING LOW RESOLUTION UN-RECTIFIED AERIAL IMAGES, AND THEIR LOCATION AS SHOWN ON THIS SURVEY IS APPROXIMATE IN NATURE. THESE FEATURES WERE NOT LOCATED AS PART OF THE ON-SITE SURVEY AND ARE NOT INTENDED TO REPRESENT SURVEYED FEATURES.
3. CONTOUR INTERVAL IS 0.3 FEET.
4. AREA OF THE SURVEYED PARCEL IS APPROXIMATELY 29.96 HECTARES (74.02 ACRES).
5. MEASUREMENTS ARE IN FEET.



HORIZONTAL CONTROL POINTS:

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10000.00	20000.00	1000.00	2.5 INCH NAIL
2	9714.85	20005.88	999.77	2.5 INCH NAIL
3	8878.23	20217.05	1001.02	2.5 INCH NAIL
4	9158.45	21063.84	1003.68	2.5 INCH NAIL
5	9853.07	20629.22	1002.66	2.5 INCH NAIL
6	10220.79	20780.57	1001.82	2.5 INCH NAIL
7	10426.05	19999.89	1002.67	2.5 INCH NAIL
8	9802.74	20274.89	1001.59	2.5 INCH NAIL
9	9896.50	20513.35	1001.68	2.5 INCH NAIL
10	9786.78	20495.95	1001.67	2.5 INCH NAIL
11	9763.63	20597.16	1002.34	CONC. MARK
12	9760.23	20467.68	1001.67	2.5 INCH NAIL
13	9594.44	20548.91	1001.95	CONC. MARK
14	10426.01	20000.00	1002.49	2.5 INCH NAIL
15	9856.44	19791.07	998.43	2.5 INCH NAIL

BUILDING KEY

- | | |
|--------------------------|---|
| ① DAIRY | ⑪ OLD KINDERGARTEN SCHOOL |
| ② SWIMMING POOL | ⑫ CARPENTRY (TO BE DEMOLISHED) |
| ③ GUEST HOUSE + KULLA 1 | ⑬ RESIDENTIAL AREA |
| ④ KITCHEN/DINING/LAUNDRY | ⑭ BIG BOYS HOSTEL |
| ⑤ BIG GIRLS HOSTEL | ⑮ VEHICLE STORAGE (TO BE DEMOLISHED) |
| ⑥ NEW GIRLS HOSTEL | ⑯ KULLA 2 |
| ⑦ SMALL GIRLS HOSTEL | ⑰ WORKSHOP AREA |
| ⑧ NURSERY | ⑱ MAXTON STRONG SCHOOL(MSS)
- PRIMARY SCHOOL BLOCK |
| ⑨ DIRECTOR'S RESIDENCE | |
| ⑩ SMALL BOYS HOSTEL | |

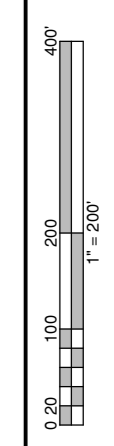
BASIS OF DIRECTIONS:

DIRECTIONS ARE MAGNETIC BASED UPON A COMPASS READING BETWEEN CONTROL POINTS.

SURVEY EQUIPMENT & DATE:

SITE WAS SURVEYED SEPTEMBER 9 - 13, 2014. A TOPCON GPT-3005 TOTAL STATION WAS USED TO COLLECT SITE INFORMATION.

LEGEND	
PROPERTY CORNER	✕
PERCOLATION TEST HOLE	PT ●
HORIZONTAL CONTROL POINT	CP1 ▲
BOUNDARY LINE	---
EXISTING UTILITY POLE	●
EXISTING TREE	○
EXISTING STRUCTURE	■
EXISTING ROAD	==
WALL	—
OVERHEAD ELECTRICAL LINE	----
RESIDENTIAL AREA (NOT SURVEYED)	○



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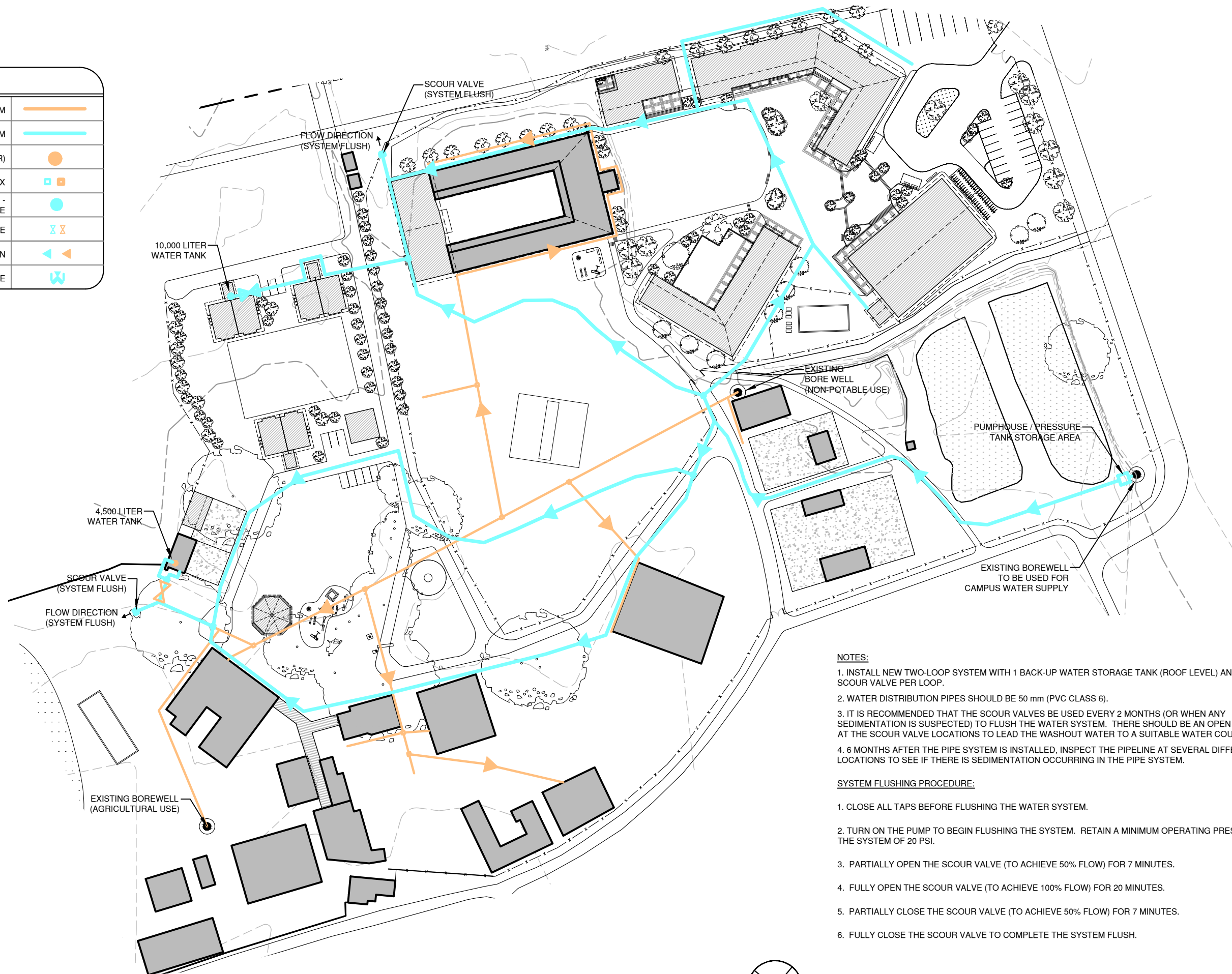
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C1

LEGEND	
EXISTING WATER SYSTEM	
PROPOSED WATER SYSTEM	
WATER TANK (4,500 LITER)	
PIPE JUNCTION BOX	
WATER TANK (10,000 LITER) - FUTURE	
PIPE VALVE	
PIPE FLOW DIRECTION	
SCOUR VALVE	



NOTES:

1. INSTALL NEW TWO-LOOP SYSTEM WITH 1 BACK-UP WATER STORAGE TANK (ROOF LEVEL) AND 1 SCOUR VALVE PER LOOP.
2. WATER DISTRIBUTION PIPES SHOULD BE 50 mm (PVC CLASS 6).
3. IT IS RECOMMENDED THAT THE SCOUR VALVES BE USED EVERY 2 MONTHS (OR WHEN ANY SEDIMENTATION IS SUSPECTED) TO FLUSH THE WATER SYSTEM. THERE SHOULD BE AN OPEN DRAIN AT THE SCOUR VALVE LOCATIONS TO LEAD THE WASHOUT WATER TO A SUITABLE WATER COURSE.
4. 6 MONTHS AFTER THE PIPE SYSTEM IS INSTALLED, INSPECT THE PIPELINE AT SEVERAL DIFFERENT LOCATIONS TO SEE IF THERE IS SEDIMENTATION OCCURRING IN THE PIPE SYSTEM.

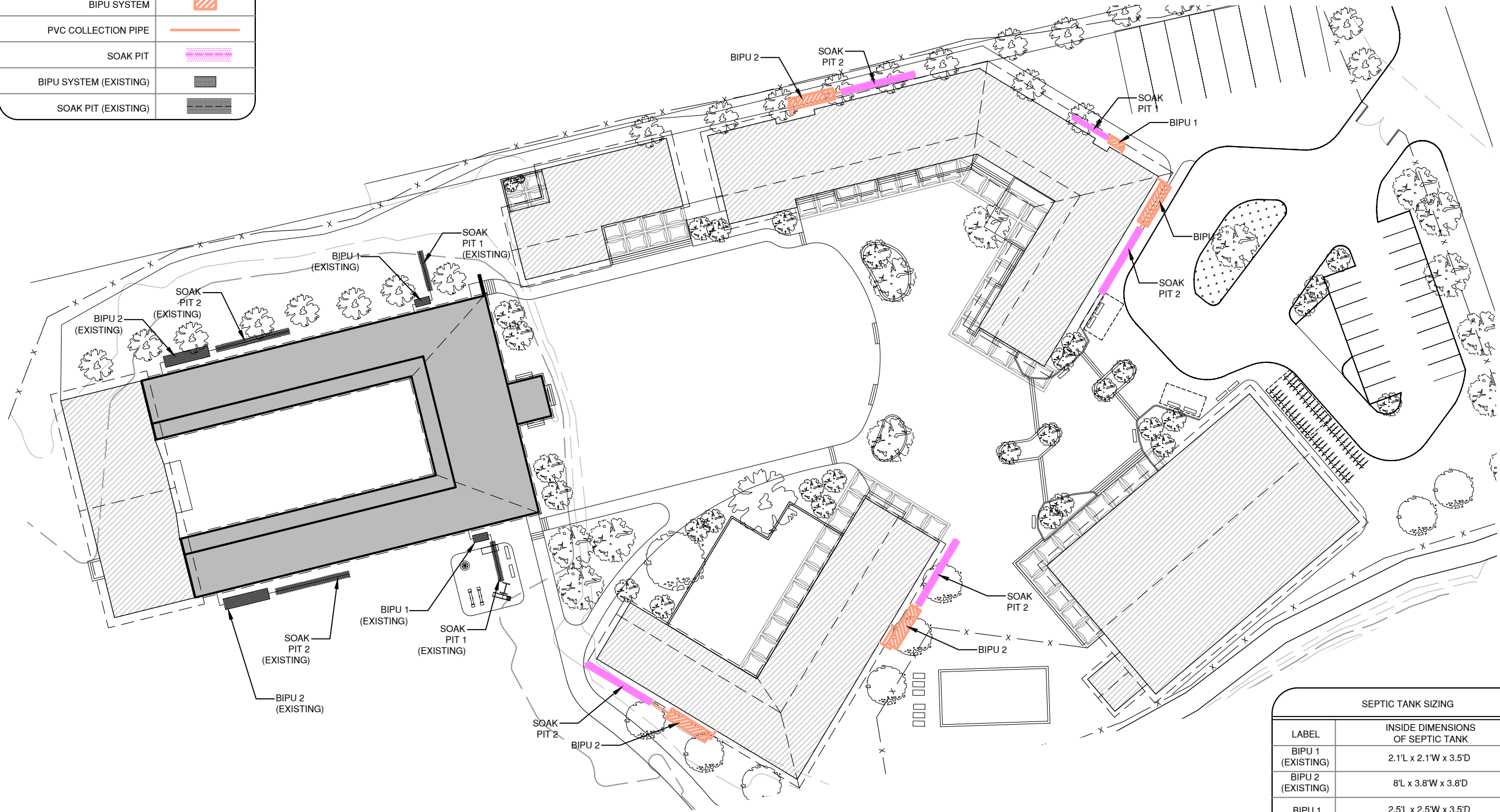
SYSTEM FLUSHING PROCEDURE:

1. CLOSE ALL TAPS BEFORE FLUSHING THE WATER SYSTEM.
2. TURN ON THE PUMP TO BEGIN FLUSHING THE SYSTEM. RETAIN A MINIMUM OPERATING PRESSURE IN THE SYSTEM OF 20 PSI.
3. PARTIALLY OPEN THE SCOUR VALVE (TO ACHIEVE 50% FLOW) FOR 7 MINUTES.
4. FULLY OPEN THE SCOUR VALVE (TO ACHIEVE 100% FLOW) FOR 20 MINUTES.
5. PARTIALLY CLOSE THE SCOUR VALVE (TO ACHIEVE 50% FLOW) FOR 7 MINUTES.
6. FULLY CLOSE THE SCOUR VALVE TO COMPLETE THE SYSTEM FLUSH.

1 WATER DISTRIBUTION CONCEPT
1"=100'



LEGEND	
BIPU SYSTEM	
PVC COLLECTION PIPE	
SOAK PIT	
BIPU SYSTEM (EXISTING)	
SOAK PIT (EXISTING)	



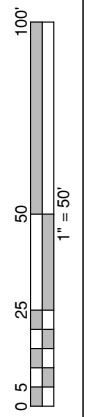
1 WASTEWATER DISTRIBUTION CONCEPT
1"=50'



SEPTIC TANK SIZING	
LABEL	INSIDE DIMENSIONS OF SEPTIC TANK
BIPU 1 (EXISTING)	2.1'L x 2.1'W x 3.5'D
BIPU 2 (EXISTING)	8'L x 3.8'W x 3.8'D
BIPU 1	2.5'L x 2.5'W x 3.5'D
BIPU 2	8'L x 4.0'W x 4.0'D

NEW SOAK TRENCH SIZING		
LABEL	DIMENSION	QUANTITY
SOAK PIT 1	19.5'L x 2.5'W x 3.5'D	1
SOAK PIT 2	36'L x 3.5'W x 5'D	4

NOTES:
1. FOR MORE INFORMATION ON THE INSTALLATION OF THE SEPTIC TANKS AND SOAK PITS, REFER TO THE REPORT.



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