PROPOSED SCHOOL CONCEPT - PERSPECTIVE
LEGEND

EXISTING STRUCTURE
PHASE 1
PHASE 2
RAIN STREAM
DRAINAGE DITCH EXTENSION
EXISTING ROAD
GRAVEL PATHWAY
PAVED PATHWAY
BOUNDARY LINE
BUSHES
LOW TREES
HIGH TREES

BUILDING KEY

1 PRIMARY BLOCK
2 ADMINISTRATION BLOCK
3 SECONDARY BLOCK
4 SPORTS FIELD

NOTE: FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6 +93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
1. FOR BUILDING FLOOR LEVELS ON SHEETS A1 - A6
+93'-0" ON THE SITE PLAN CORRESPONDS TO +0'-0"
2. FLOOR HEIGHTS:
  GROUND FLOOR: 12'-0"
  FIRST AND SECOND FLOOR: 10'-0"
1. NORTH ENTRANCE - PERSPECTIVE

2. SOUTH COURTYARD - PERSPECTIVE
GROUND FLOOR PLAN

1/16" = 1'-0"
FLOOR AREA: 6540 SQUARE FEET

INDOOR COURT
STORE
LOCKER
SHOWER
TOILET
OUTDOOR COURT

FIRST FLOOR PLAN

1/16" = 1'-0"
FLOOR AREA: 2480 SQUARE FEET

OFFICE
LOCKER
SHOWER
TOILET
OPEN BELOW
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. ELEVATIONS ARE RELATIVE TO THE ELEVATION AT BM1.


3. BOUNDARY INFORMATION, AND TOPO SHOTS IN THE SOUTHERN 1/3RD OF THE SITE ARE FROM THE FORMER SURVEY PROVIDED BY THE CLIENT. FORMER SURVEY WAS PERFORMED ON 7 MAY 2016 BY U.KRISHNAJI, LICENSED SURVEYOR, A.P,SETTLEMENT AND LAND RECORDS, VISAKHAPATNAM. CONTACT #:9393942367

4. LOCATION: ACCORDING TO GOOGLE EARTH, THE ELEVATION OF POINT BM1 IS APPROXIMATELY 271 FEET ABOVE SEA LEVEL WITH A LATITUDE OF 17°43'33.31"N AND LONGITUDE OF 83° 8'37.05"E

5. BASIS OF DIRECTIONS: DIRECTIONS ARE BASED ON A MAGNETIC COMPASS READING AND SCALED FROM GOOGLE EARTH.

6. CONTOUR INTERVAL IS 1 FOOT.

7. AREA OF THE SURVEYED PARCEL IS APPROXIMATELY 6 ACRES.

8. MEASUREMENTS ARE IN FEET.

9. VERTICAL BENCHMARK 1 (BM 1) IS LOCATED ON THE TOP OF THE UPRIGHT STANDING STONE ON THE NORTHERN CENTRAL AREA OF THE SITE, AND HAS AN ELEVATION OF 100 FEET. VERTICAL BENCHMARK 2 (BM 2) IS LOCATED ON THE TOP CORNER OF THE NEIGHBOR'S WALL ON THE SOUTHERN EDGE OF THE SITE, AND HAS AN ELEVATION OF 92.7 FEET.
NEW CAMPUS BOREWELL
PHASES 1 & 2 WATER DISTRIBUTION LINE

PRIMARY BLOCK WATER STORAGE:
- (1) 5,000 L WATER TANK
- (1) 2,000 L WATER TANK

SECONDARY BLOCK WATER STORAGE:
- (1) 5,000 L WATER TANK
- (1) 2,000 L WATER TANK

GYMNASIUM WATER STORAGE:
- (1) 3,000 L WATER TANK

MUST DIG OUT THIS SECTION SUCH THAT THERE IS NO BREAK IN THE RAIN STREAM FOR ADMINISTRATION BLOCK RUNS ALONG ROOF

100' DIA. BOREWELL PROTECTION AREA - NO WASTEWATER

IRRIGATION HOOKUPS FOR SPORTS FIELD

FUTURE PHASE LOOPED WATER DISTRIBUTION LINE

DRAINAGE DITCH EXTENSION

PVC WATER LINE (PHASES 1 & 2)

RAIN STREAM

FUTURE BOREWELL LOCATION

PIPE FLOW DIRECTION

WATER STORAGE TANK

WATER LINE (FUTURE PHASES)

NEW CAMPUS BOREWELL

BOUNDARY LINE

WATER LINE FOR IRRIGATION

BUILDING KEY

1 PRIMARY BLOCK
2 ADMINISTRATION BLOCK
3 SECONDARY BLOCK
4 GYMNASIUM
5 SPORTS FIELD
6 BASKETBALL COURT
7 STAFF HOUSING
8 FUTURE DEVELOPMENT
9 FUTURE BOREWELL LOCATION
10 POTENTIAL FUTURE EXPANSION
11 DRAINAGE DITCH EXTENSION
12 PVC WATER LINE (PHASES 1 & 2)
13 WATER LINE FOR IRRIGATION
14 WATER STORAGE TANK
15 PIPE FLOW DIRECTION
16 RAIN STREAM

LEGEND

1" = 80'

ACK DEC 2016
PRIMARY TREATMENT OF WASTEWATER:

- Primary Block Septic Tank
  - Size: 11'L x 4'W x 6'D
- Secondary Block Tank 1
  - Size: 9'L x 3'W x 6'D
- Secondary Block Tank 2
  - Size: 9'L x 3'W x 6'D
- Gymnasium Septic Tank
  - Size: 10'L x 3'W x 6'D
- Staff Housing Septic Tank
  - Size: 10'L x 3'W x 6'D

SECONDARY TREATMENT OF WASTEWATER:

- Primary Block Soak Trench
  - Size: 130'L x 3'W x 3'D
- Secondary Block Trench 1
  - Size: 70'L x 3'W x 3'D
- Secondary Block Trench 2
  - Size: 55'L x 3'W x 3'D
- Gymnasium Soak Trench
  - Size: 85'L x 3'W x 3'D
- Staff Housing Soak Trench
  - Size: 25'L x 2'W x 2'D

LEGEND:

- Primary Block
- Administration Block
- Secondary Block
- Gymnasium
- Sports Field
- Basketball Court
- Staff Housing
- Future Borewell Location
- New Campus Borewell
- Wastewater Septic Tank
- Wastewater Soak Trench
- Hose for Greywater Dispersion
- Septic Tank #
- Soak Trench #
- Boundary Line
- Wastewater Lines
- Future Development
- Potential Future Expansion
- Rain Stream
- Drainage Ditch Extension
- 4" PVC Collection Pipe

*See Appendix B in Report for Image of Septic Tank
*See Appendix C in Report for Image of Soak Trench

1" = 80'

NEW CAMPUS BOREWELL

FUTURE BOREWELL FOR STAFF HOUSING

100' DIA. BOREWELL PROTECTION AREA - NO WASTEWATER

SUING ASSUMES 4 FAMILIES OF 4 AS RESIDENTS

GREYWATER DISPERSION INTO VEGETATED AREA

WASTEWATER LINES

POTENTIAL FUTURE EXPANSION

BOUNDARY LINE

GREENSTREAM

PHASE 1

PHASE 2

FUTURE PHASE

NEW CAMPUS BOREWELL 1

FUTURE BOREWELL LOCATION 2

PIPE FLOW DIRECTION 3

WASTEWATER SEPTIC TANK 4

Hose for Greywater Dispersion 5

SEPTIC TANK # 6

SOAK TRENCH # 7

BOUNDARY LINE 8

BUILDING KEY

1

2

3

4

5

6

7

8

HOPE ACADEMY

VISAKHAPATNAM, INDIA

india.emiworld.org

PROJECT NO.:

DRAWN BY:

CHECKED:

REVISION:

DATE:

DATE:

ISSUE DATE:

ACK DEC 2016

DEC 2016

H.S.

DEC 2016

C2
CROSS-SLOPE ON WALKWAY AT 1:2 RATIO (VERTICAL: HORIZONTAL)

SLOPE DOWN FROM ROAD AT 1:3 RATIO (VERTICAL: HORIZONTAL)

RIP RAP AT CULVERT OUTLET

CULVERT BENEATH ROAD

10' 30'

CROSS-SLOPE ON WALKWAY AT 1:8 RATIO (VERTICAL: HORIZONTAL)

VEGETATED STREAM BANK AND SIDE-SLOPES

IN-PLACE STREAM BED WITH STONES, GRAVEL, AND OR VEGETATION

CONCRETE PIPE ('CULVERT') DIMENSIONS
INNER DIAMETER: 3.3' (1.0 METER)
WALL THICKNESS: 4.5"
LENGTH: 60'

COMPACTED FILL AT 2' LIFTS
RIP RAP DIMENSIONS
DIAMETER OF STONES/ GRAVEL: 6-12"
WIDTH AT CULVERT OUTLET: 4' END WIDTH: 12' LENGTH: 16' DEPTH: 1'

UPSTREAM ELEVATION OF PIPE INVERT: 86.5'

ELEVATION AT TOP OF CULVERT: 90'
(1' MINIMUM COVER)

ROAD ELEVATION: 91'

NOTE: SPECIFICATIONS ABOVE SHOULD BE APPLIED TO THE 500' OF RAIN STREAM WHICH PASSES THROUGH THE SITE. STREAM BED MAY BE ALLOWED TO MEANDER. IT IS NOT NECESSARY TO MAKE STREAM LINEAR.

PEDESTRIAN STREAM CROSSING

NOT TO SCALE

ROAD STREAM CROSSING

NOT TO SCALE

C3