NEW 3-STORY FACILITY CLASSIFIED AS INSTITUTIONAL I-3 (SPRINKLERED) BLDG BUILT AS TYPE II-A CONSTRUCTION. BUILDING HEIGHT ESTIMATED AT 85'-0". ESTIMATED SQUARE FOOTAGE OF FACILITY IS APPROXIMATELY 69,937.

INCOMING UNDERGROUND FIRE MAIN AND FIRE DEPARTMENT CONNECTION (STORTZ).

FIRE PROTECTION SITE PLAN GENERAL NOTE:
DUE TO THE BUILDING HEIGHT AND THE HIGHEST OCCUPABLE FLOOR BEING ABOVE 35'-0", AN AUTOMATIC STANDPIPE SYSTEM IS REQUIRED PER BUILDING CODE. A FIRE PUMP SHALL BE REQUIRED TO DELIVER THE APPROPRIATE FLOW (GPM) AND PRESSURE (PSI) TO THE STANDPIPES. HOWEVER, IF THE NEW FACILITIES SPRINKLER SYSTEMS FLOW AND PRESSURE TO THE MOST REMOTE SPRINKLER ZONE CAN BE ACHIEVED BY UTILIZING THE EXISTING WATER SOURCE, THEN A MANUAL-WET STANDPIPE SYSTEM CAN BE UTILIZED AND THE FIRE PUMP REQUIREMENT CAN BE REMOVED.
ORDINARY HAZARD
GROUP 1 UTILIZING .15
GPM/FT OVER 1500 SF

LIGHT HAZARD
UTILIZING .10 GPM/FT
OVER 1500 SF

ORDINARY HAZARD
GROUP 2 UTILIZING .20
GPM/FT OVER 1500 SF

ORDINARY HAZARD
GROUP 2 UTILIZING .20
GPM/FT OVER 1500 SF

INCOMING UNDERGROUND
FIRE SERVICE AND FDC PIPING
TO SITE STORZ CONNECTION.

AUTOMATIC STANDPIPE WITH
FDV LOCATED ON INTERMEDIATE
LANDING.

AUTOMATIC COMBINATION STANDPIPE
WITH FDV LOCATED ON INTERMEDIATE
LANDING AND DRAIN RISER.

LOCATION OF FIRE PUMP (IF
REQUIRED, DUE TO POTENTIAL
INADEQUATE EXISTING SITE
WATER PRESSURE).

DRAIN RISER TERMINATION
ON SPLASH BLOCK.

CONTROL VALVE SERVING
LEVEL 1 SPRINKLER SYSTEM.
1 ROOF FIRE PROTECTION PLAN

Scale: 1/8" = 1'-0"

Dewberry Architects Inc.

Pinellas County Jail Phase I
Infrastructure Criteria Package - Drawings

11440 North 49th Street
Clearwater, FL.

401 SW Water St.
Suite 701
Peoria, IL 61602

309.282.8000 Phone
309.282.8001 Fax

No. Description Date

Scale: 1/8" = 1'-0"

1 ROOF FIRE PROTECTION PLAN
Fittings shall be rated for 150 PSI.

Relief valve routed to drain.

Pressure reducing valve.

Check valve.

Butterfly valve.

Fire pump suction side.

Fire pump discharge support.

Sprinkler 1" drop.

1" 90° Ell.

1" nipple.

Branch line 1x1/2 reducer.

Ceiling.

Sprinkler to drain.

2-1/2" pressure regulating floor control valve w/ tamper switch.

Flow and test connection with cap.

Pressure gauge (0 - 400 PSI) to sprinkler system (see plans for continuation).

Each sprinkler zone shall not exceed 52,000 sq. ft.)

Test and drain valve site glass.

Pressure regulating valve check valve in combined systems only.

Flow switch.

Rooftop manifold.

Typical floor control valve and test module assembly see detail on this sheet (typ).