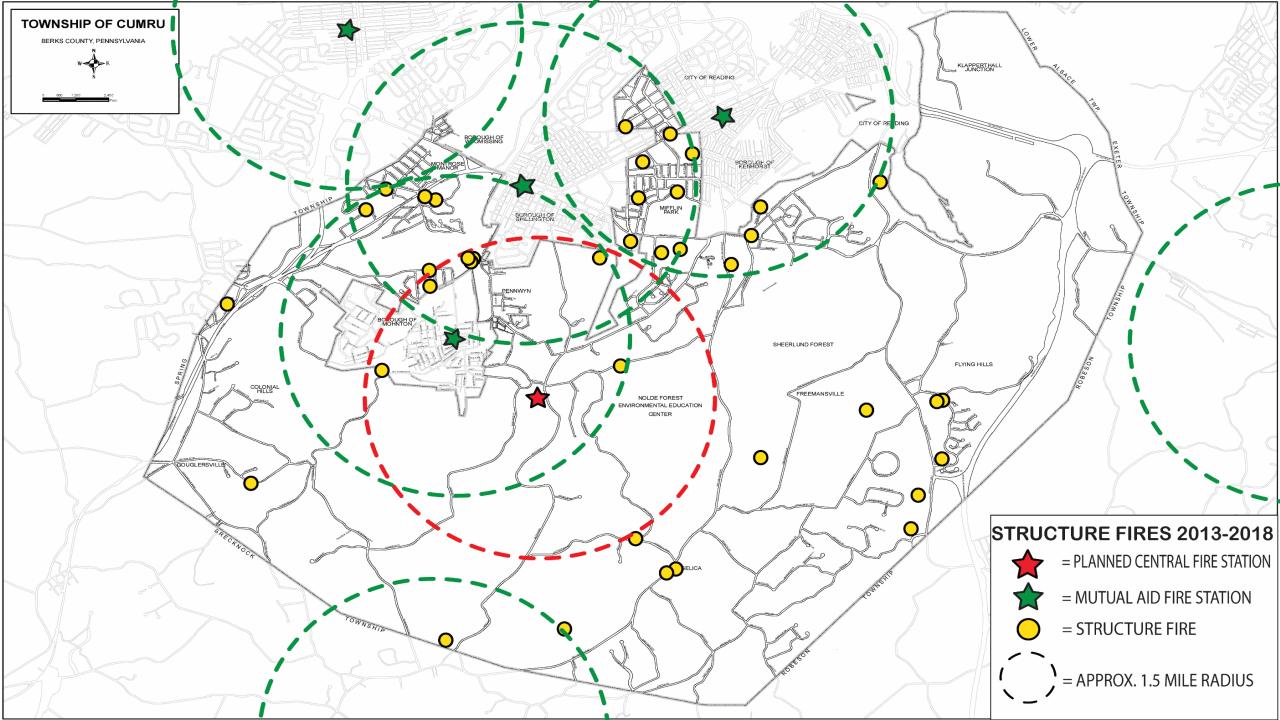
FUTURE CENTRAL FIRE STATION

PRESENTATION MAY 29, 2018

DEMONSTRATING THE NEED FOR FIRE PROTECTION IN CUMRU TOWNSHIP

MAP ON NEXT SLIDE:

- STRUCTURE FIRES ONLY
- PAST 5 YEARS
- USES 1.5 MILE RADIUS WITHOUT ANALYSIS OF ROADS



ESTABLISHING NEEDS OF THE DEPARTMENT

- FIRE STUDY 2011
- STRATEGIC PLAN 2016-2020
- STATION 2 (CEDAR TOP STATION)

ONLY STATION OWNED BY TOWNSHIP - OTHER STATIONS LEASED
108+ YEARS OLD, WITH MAINTENANCE CONCERNS
DOES NOT MEET NEEDS OF VOLUNTEERS
DOES NOT HAVE DECONTAMINATION FACILITIES
CANNOT HOUSE ALL APPARATUS

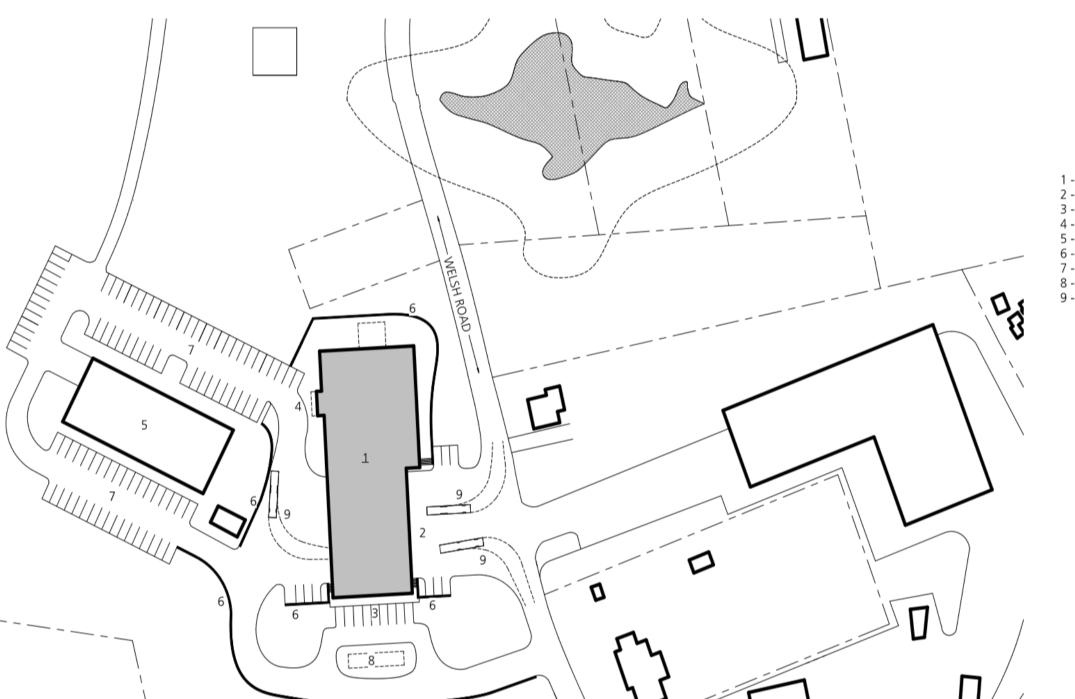
DETERMINING LOCATION OF STATION

- STUDY OF FOUR LOCATIONS
- DEVELOPED MATRIX OF SITE CHARACTERISTICS NEXT SLIDE
- CONCLUSION: BEST LOCATION FOR FUTURE FIRE STATION IS ON THE TOWNSHIP CAMPUS

A STREET	Cumru Township Fire Station Site Selection Matrix							
A STAR	Possible Fire Station Sites Township Christmas Tree							
	Site Selection	Impact Type		Reading Health	Campus	Enristmas Tree	Developer Given	
Street Lawrence	Considerations	mpacerype		Flying Hills	Church/Welsh	Phil/High	Cedar Top Road	
1	CT owns the site	Cost		4	4	1	4	
2	Project could begin now on the site	Time & Cost		4	4	1	4	
3	Location of current CTFD membership pool	Operational & Service Delivery		1	4	1	1	
4	Location based on 3 year historical data provided	Operational & Service Delivery		1	3	3	3	
5	Usable portion of the site	Cost & Operational		3	3	3	2	
6	Parking Spaces: Staff, Hot & Membership	Cost & Operational		3	4	3	1	
7	Two ways in & out of site: Emergency & POV	Life Safety		2	3	2	2	
8	Highway Speed	Life Safety		1	3	2	3	
9	Sightlines: Speed, visible distance & crowning	Life Safety		1	3	2	2	
10	Noise from site to homes across the street	Goodwill		3	4	2	2	
11	Water near the site: Domestic or Well	Cost		4	2	4	4	
12	Sewer near the site	Cost		1	4	4	4	
13	Electrical Service Hazard/Relocation	Cost		2	4	2	2	
14	Site approach: Setback, T42 turning radius, off St.	Cost & Operational		3	4	3	1	
15	Site Prep: Fill, retaining walls, grading	Cost		3	4	2	1	
Scoring Legend	1 = Major Cost and/or Project Negative Impact. 4 = Minimal Cost and/or Project Negative Impact.		<u>Totals</u>	<u>36</u>	<u>53</u>	<u>35</u>	<u>36</u>	
	Suitability of Sites based on 2015 Conditions and Impacts			60.00%	88.33%	58.33%	60.00%	

CONCEPTUALIZING CAMPUS LAYOUT

- WETLAND DELINEATION DONE
- MASTER PLAN / FEASIBILITY STUDY AUTHORIZED 2016
- REQUEST FOR QUALIFICATIONS FOR ARCHITECT TO CONDUCT MASTER PLAN
- FOCUS ON EXPERIENCE DESIGNING FIRE STATIONS
- REQUEST FOR PROPOSALS FROM RFQ FINALISTS
- INTERVIEWS OF FINALISTS
- DEVELOPMENT OF MASTER PLAN, WITH OPTIONS FOR LOCATION OF FIRE STATION ON TOWNSHIP CAMPUS



- 1 STATION FOOTPRINT (23,500 SQ.FT.
- 2 FRONT APPARATUS BAY APRON
- 3 HOME RESPONSE PARKING/ENTRY
- 4 PUBLIC ENTRY
- 5 EXISTING TOWNSHIP BUILDING
- 6 RETAINING WALL LOCATIONS
- 7 EXISTING PARKING EXPANDED
- 8 FIRE SUPPRESSION TANK
- 9 TURNING RADIUS OF 47' LADDER

NOTES ABOUT CAMPUS LAYOUT

- CAN OPERATE OUT OF STATION 2 UNTIL OCCUPANCY (NOT HAVING TO DO PHASED CONSTRUCTION SAVES MONEY)
- ONE-STORY BUILDING (SAVES COST OF ELEVATORS AND STAIRWELLS)
- SUPPORT FROM PUBLIC WORKS AND TOWNSHIP INFRASTRUCTURE READILY AVAILABLE (MORE EFFICIENT)
- DRIVE THROUGH BAYS (INCREASES SAFETY)
- REVERSE FRONTAGE BUILDING

FROM WELSH ROAD





MANNS WOODWARD STUDIOS PUBLIC SAFETY ARCHITECTURE + PLANNING www.mwsarch.com 410-344-1460 12/29/2017

FROM OFFICE BUILDING

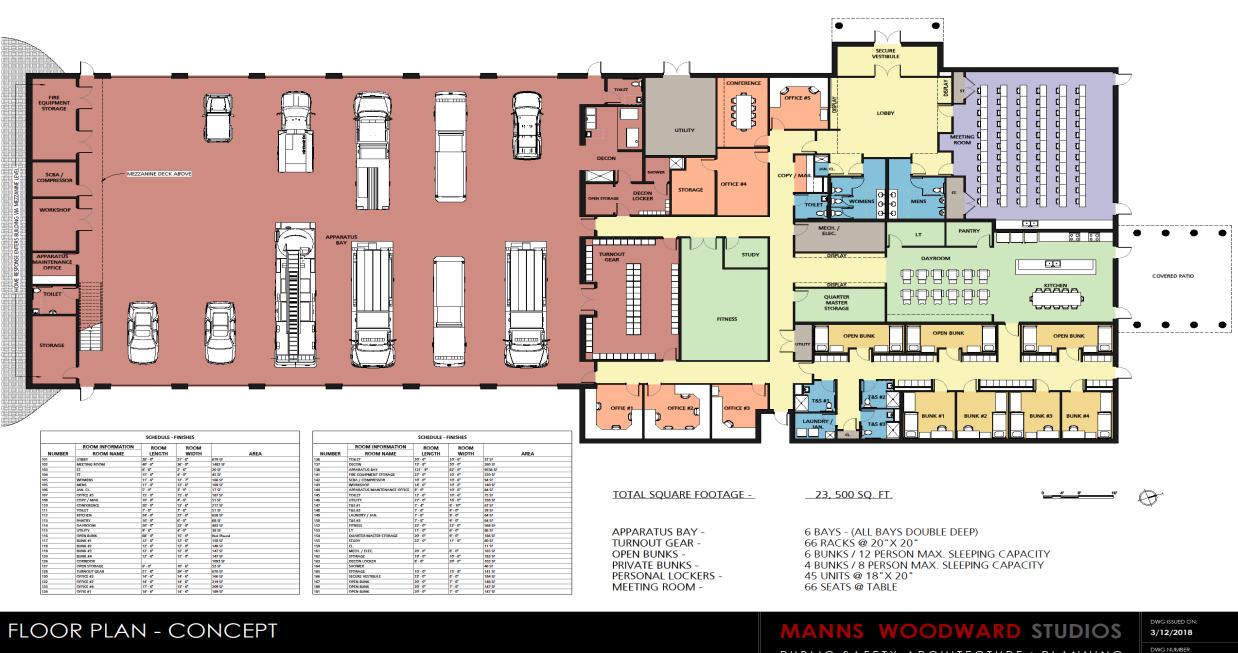




PERSPECTIVE CUMRU FIRE DEPARTMENT MANNS WOODWARD STUDIOS PUBLIC SAFETY ARCHITECTURE + PLANNING www.mwsarch.com 410-344-1460 8/12/2018

PROGRAMMING NEEDS

- DECONTAMINATION FACILITIES
- TRAINING ROOM
- OFFICES
- BUNK ROOMS
- BAYS FOR CURRENT AND FUTURE APPARATUS
- STORAGE FOR VARIOUS EQUIPMENT
- DAY ROOM
- FITNESS ROOM
- STUDY ROOM



CUMRU FIRE DEPARTMENT

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CONCERNING VOLUNTEERS

