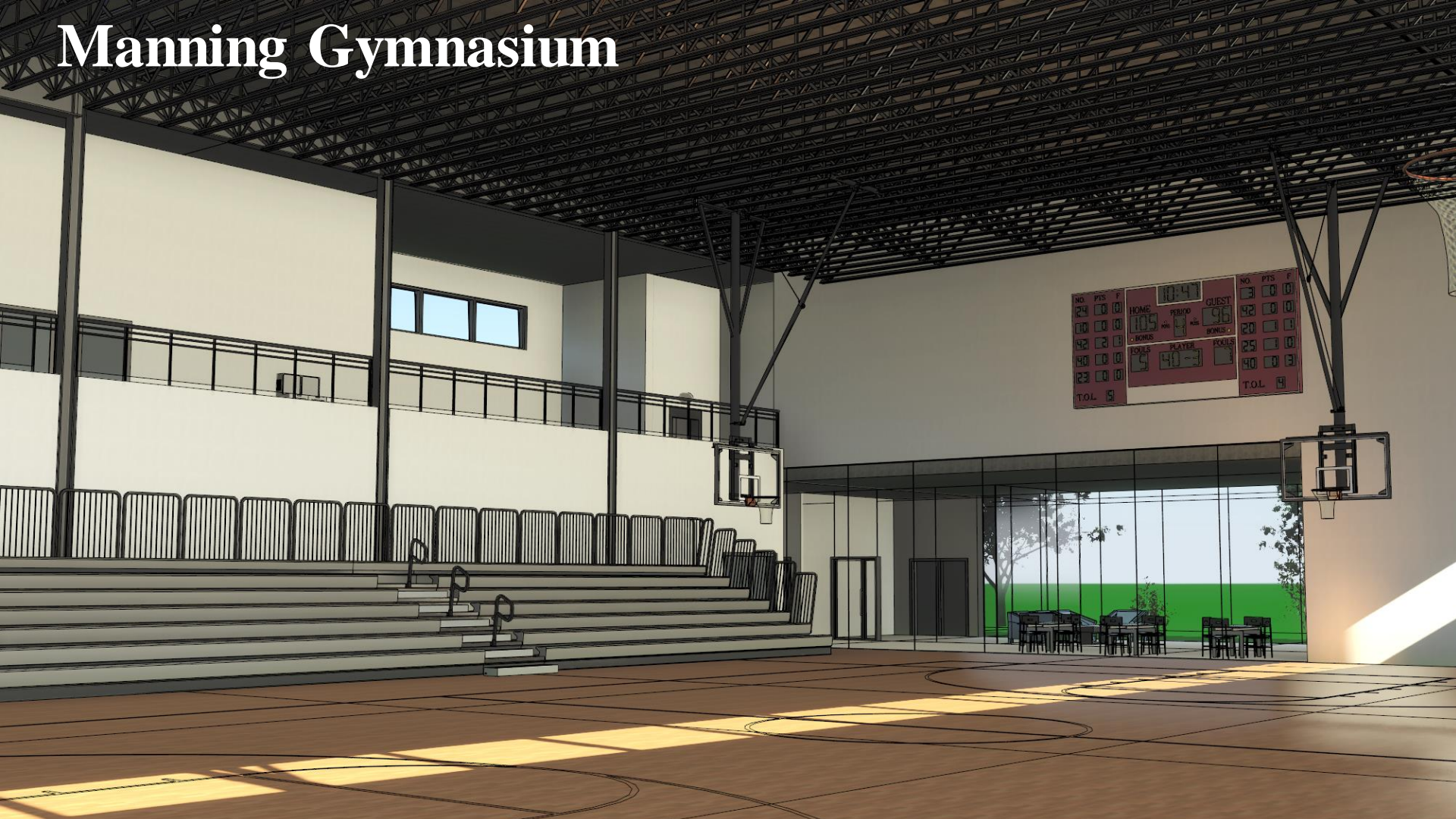


Manning Gymnasium



NO.	PTS	F	HOME		GUEST		NO.	PTS	F
24	0	0	105		96		23	0	0
00	0	0	105		96		42	0	0
42	2	0	105		96		20	0	0
40	0	0	105		96		25	0	0
23	0	0	105		96		40	0	0
T.O.L.	5		105		96		T.O.L.	9	

Team Members



Kusai Contractor
Project Manager
Civil Site Design



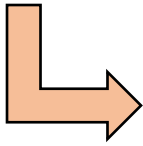
Dalen Acton
Editor and Report Production
Architectural Design



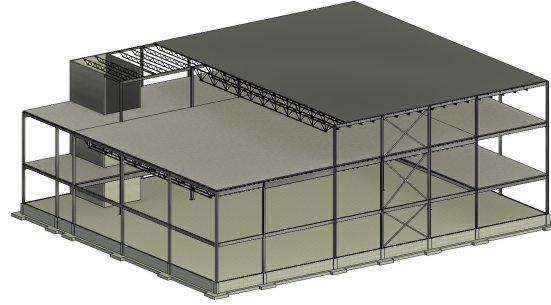
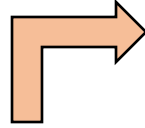
Blythe Rients
Technology Support
Structural Design



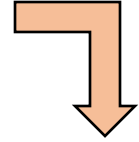
Existing Site and Scope of Work



Proposed Gymnasium Layout

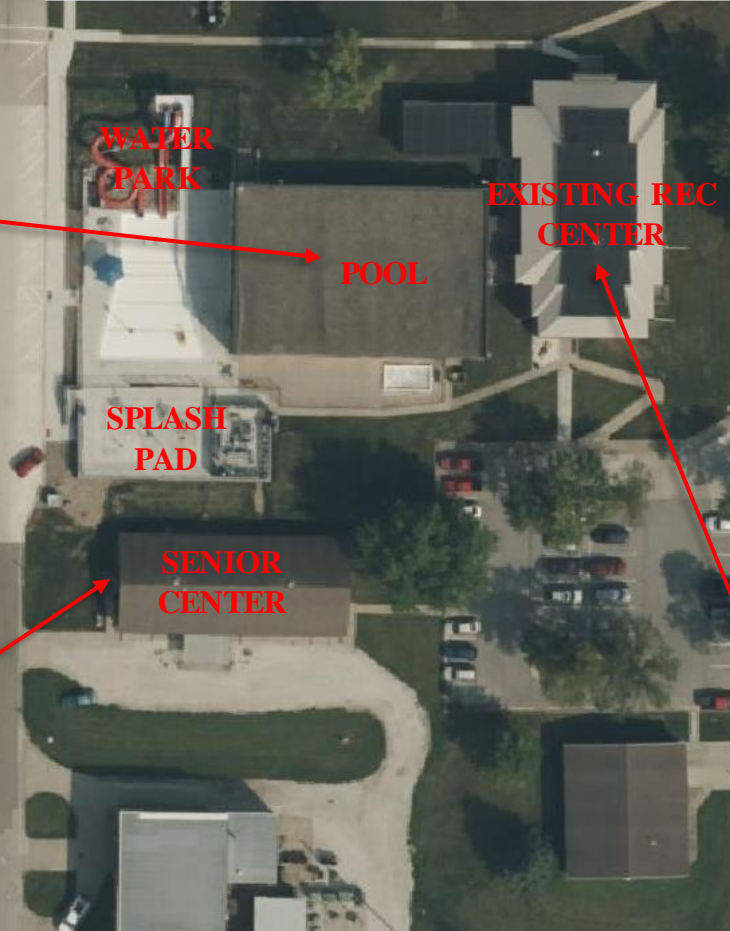


Structural and Civil Design Overview



Cost Estimation

Existing Layout & Project Scope



Proposed Layout

WEST PARKING LOT

WATER
PARK

EXISTING
REC
CENTER

POOL

TENNIS
COURTS

WEST
PARKING
LOT

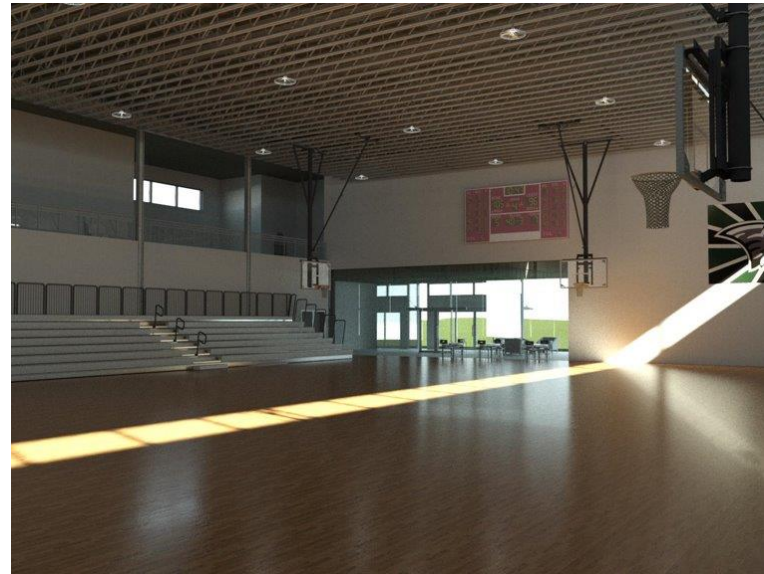
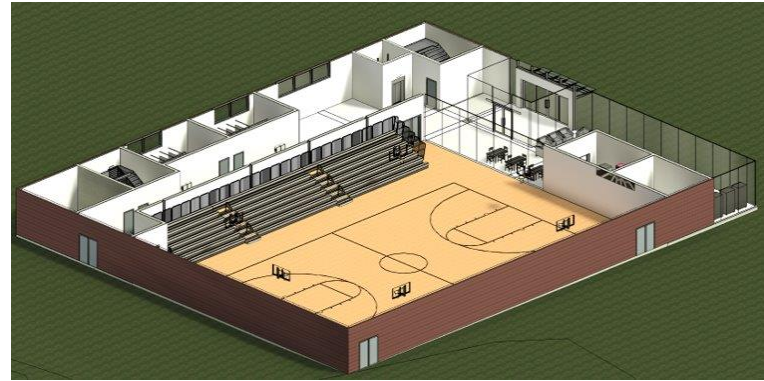
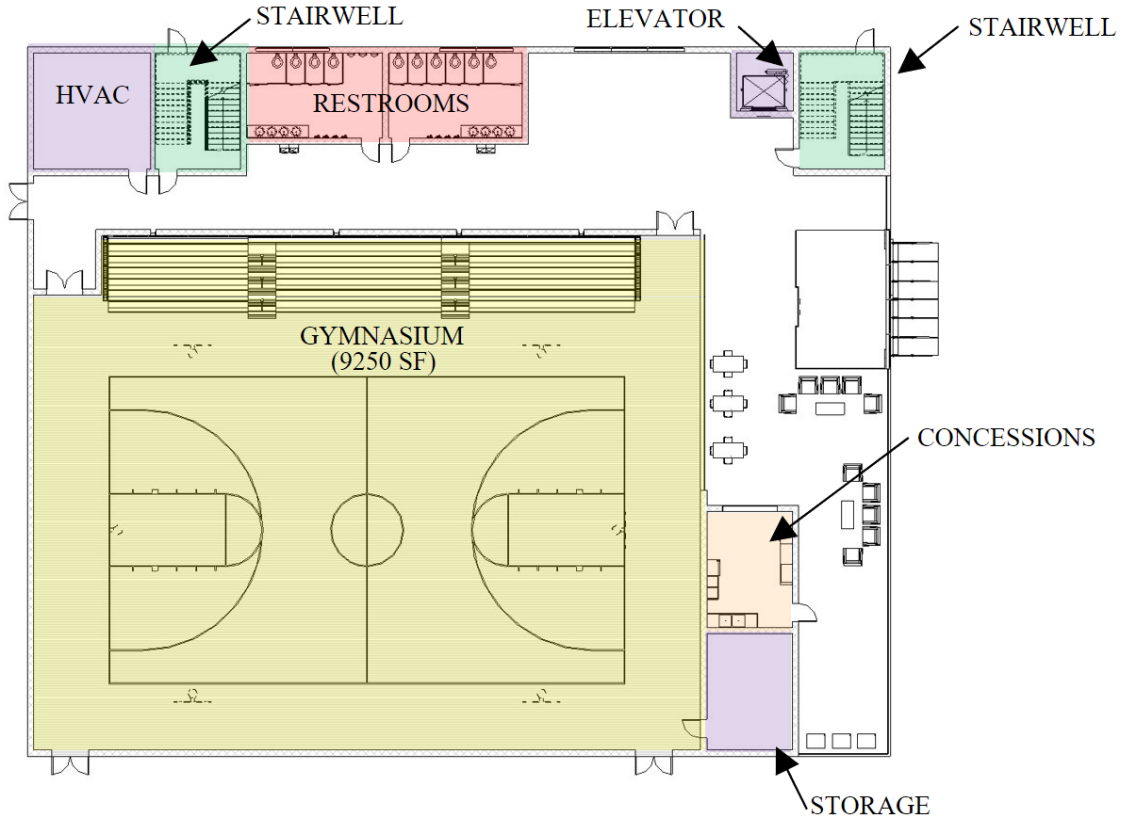
SPLASH
PAD

NEW
GYMNASIUM

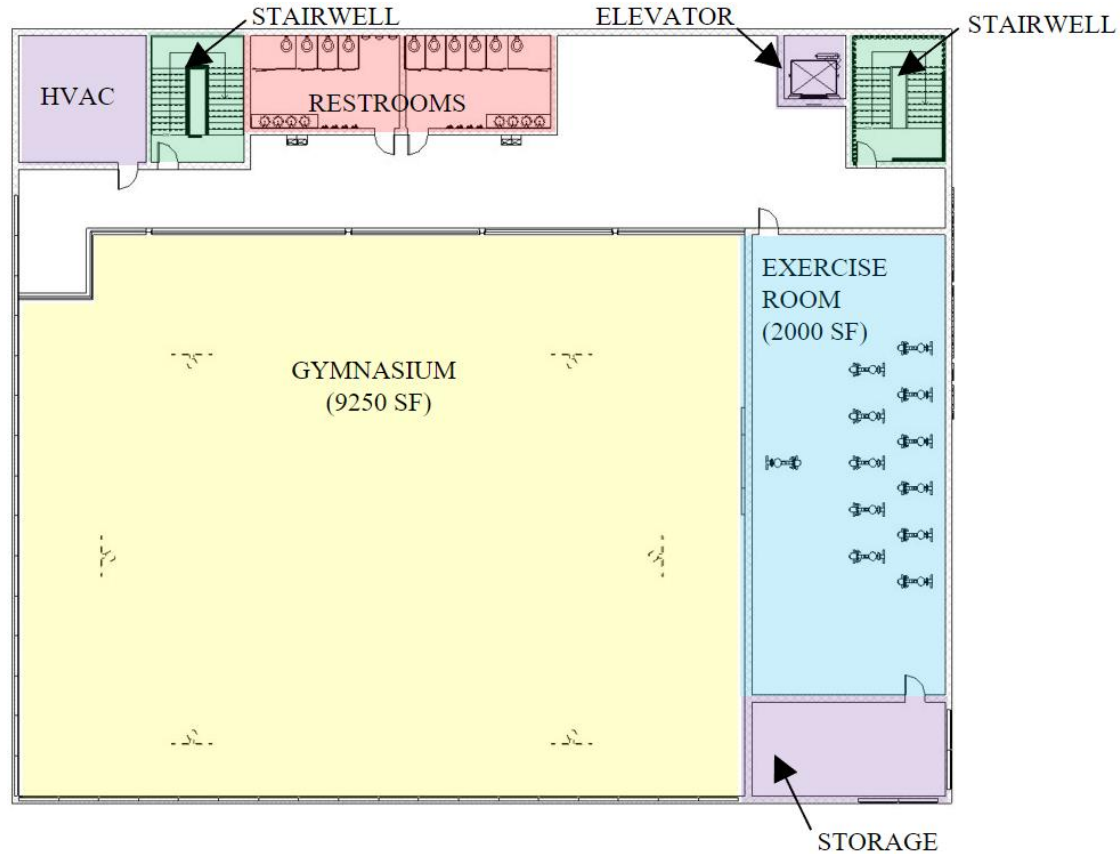
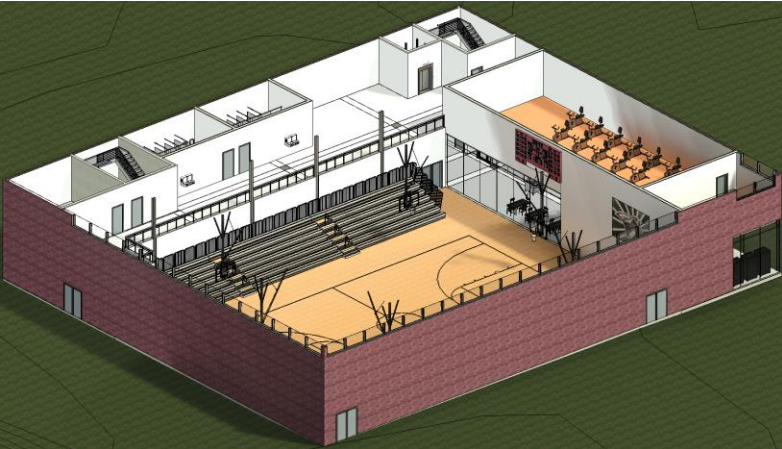
EAST PARKING
LOT

 = **EXISTING**
 = **PROPOSED**

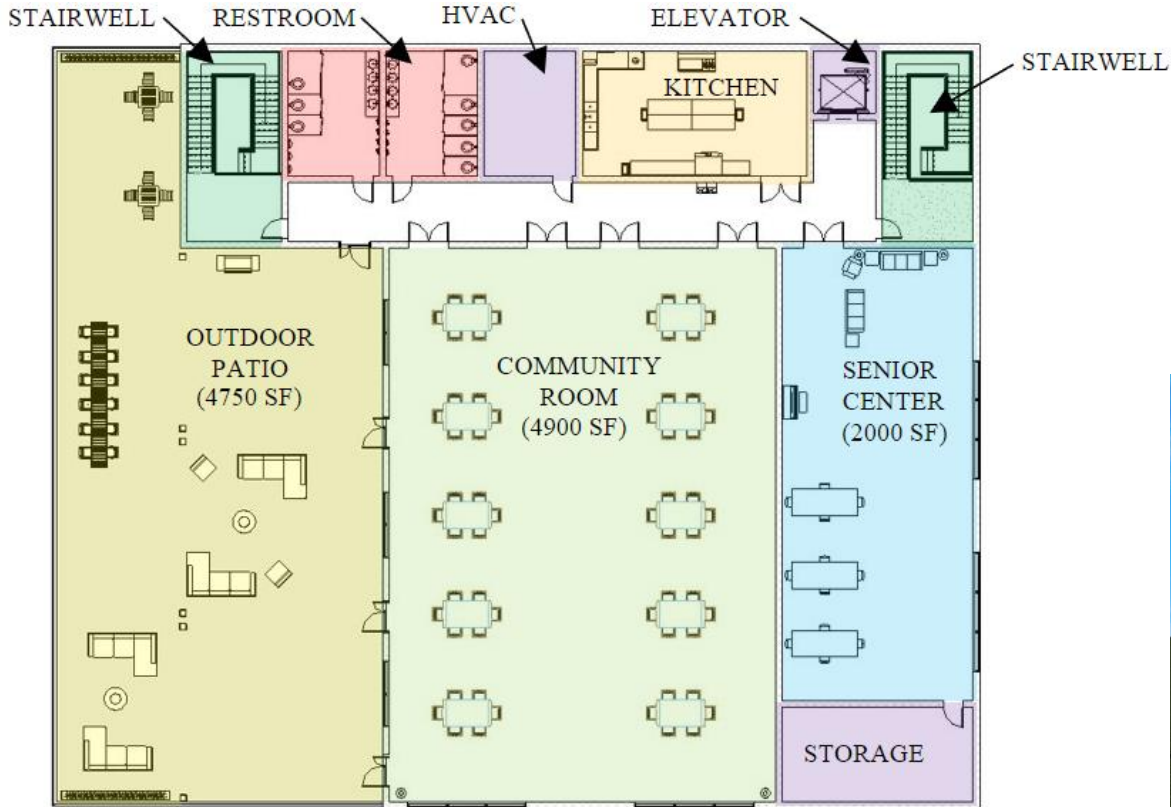
First Floor Architectural Plan



Second Floor Architectural Plan



Third Floor Architectural Plan



Commercial Kitchen



Community Room



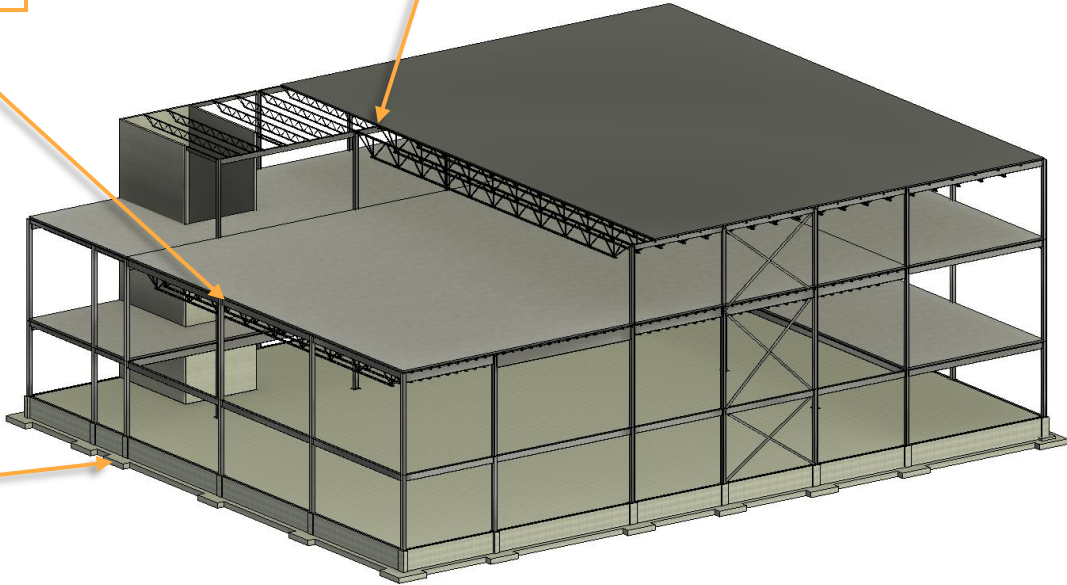
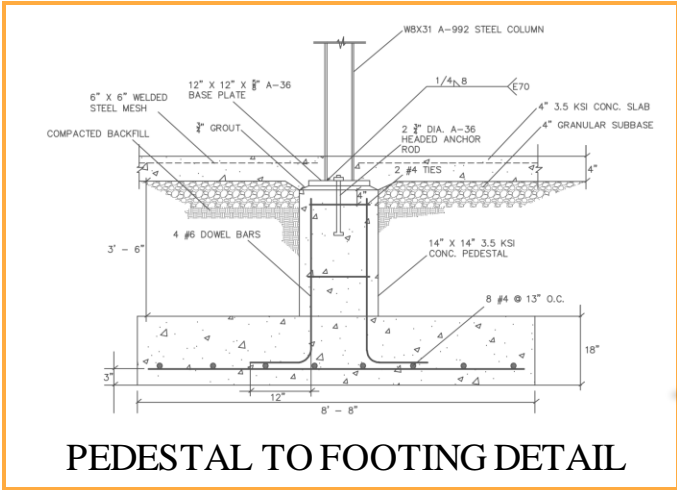
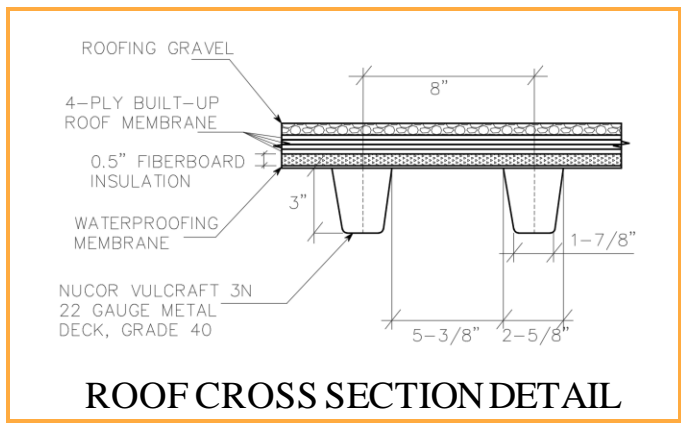
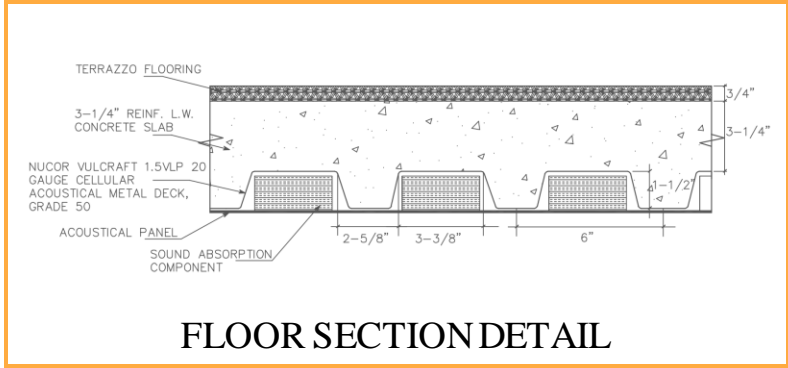
Outdoor Patio



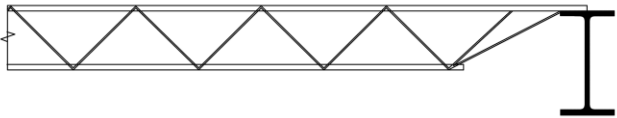
First Floor Lobby



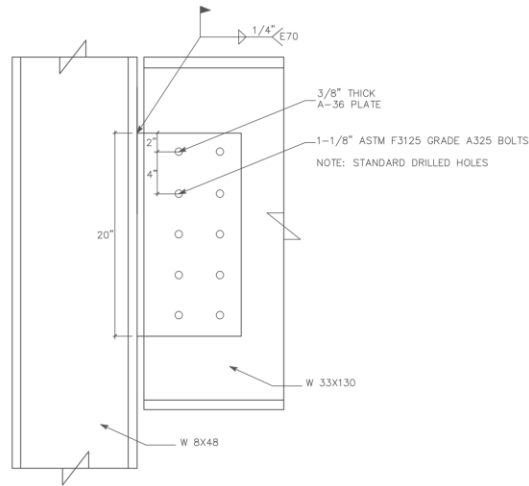
Structural System:



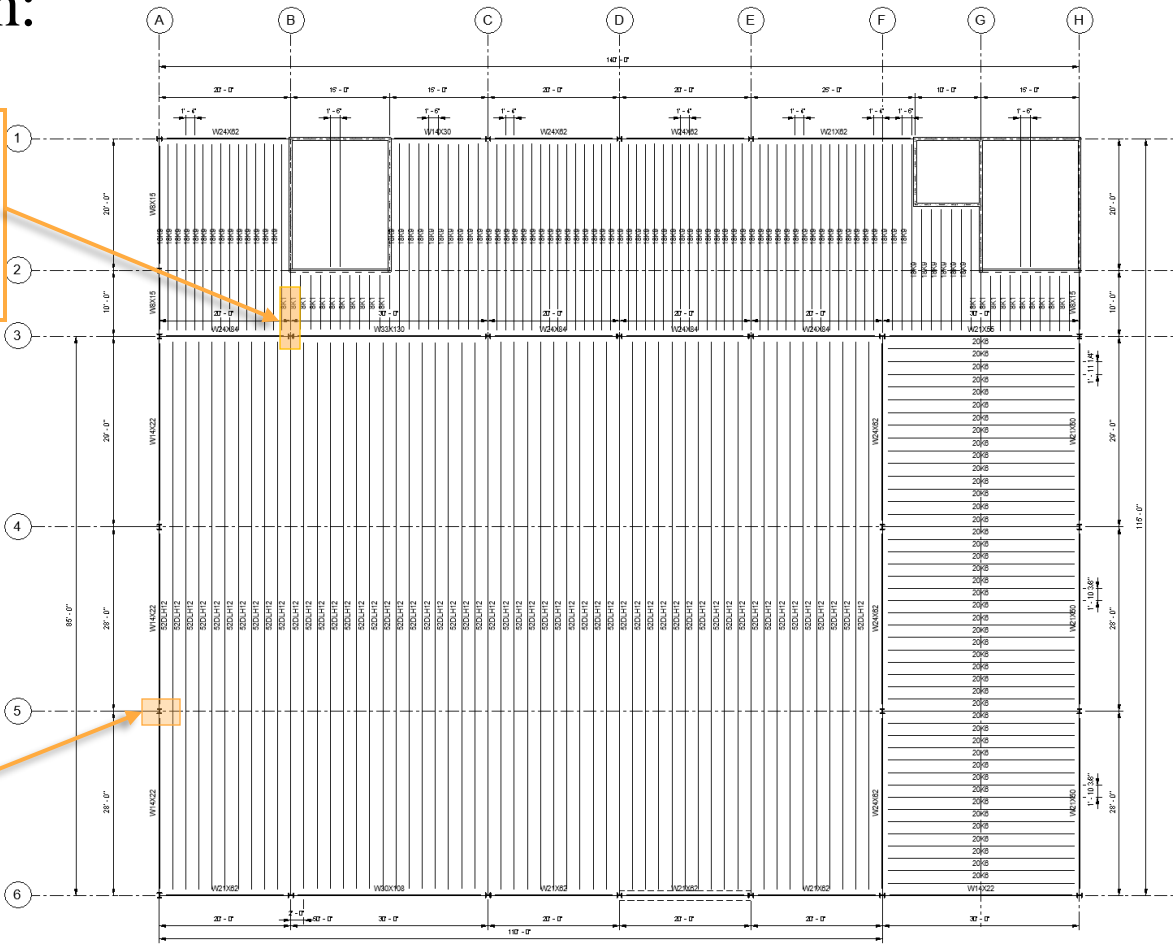
Third Floor Framing Plan:



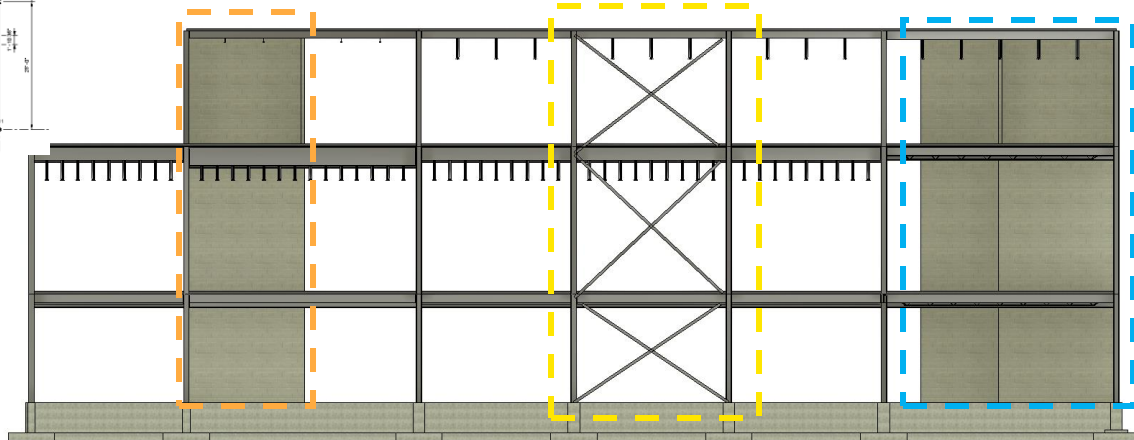
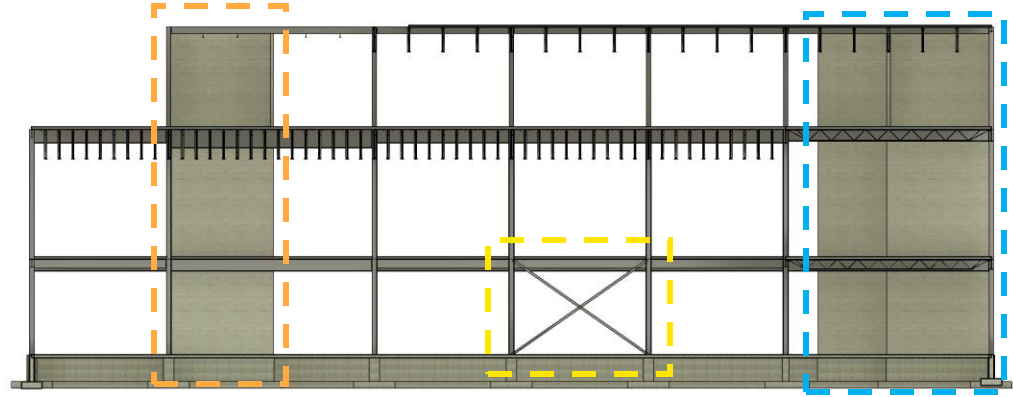
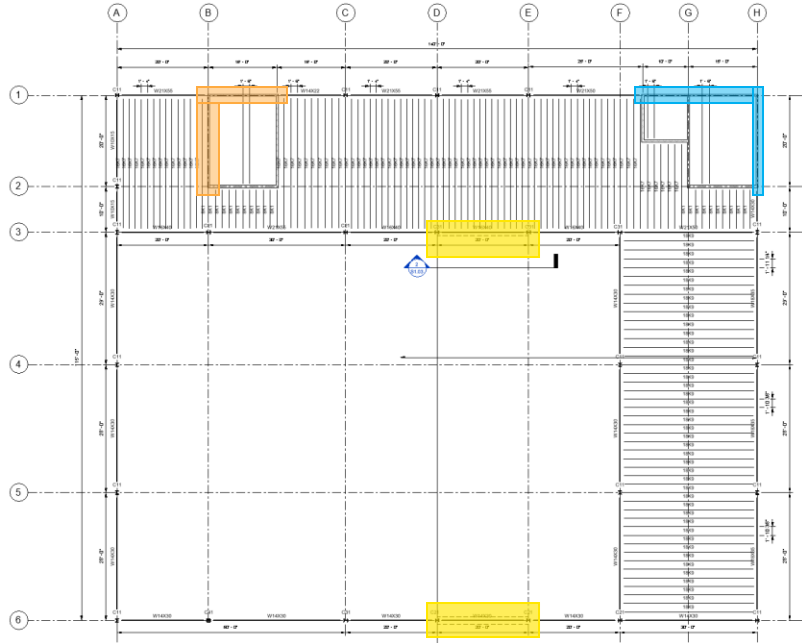
OPEN WEB JOISTS BEARING ON W-SHAPE GIRDER



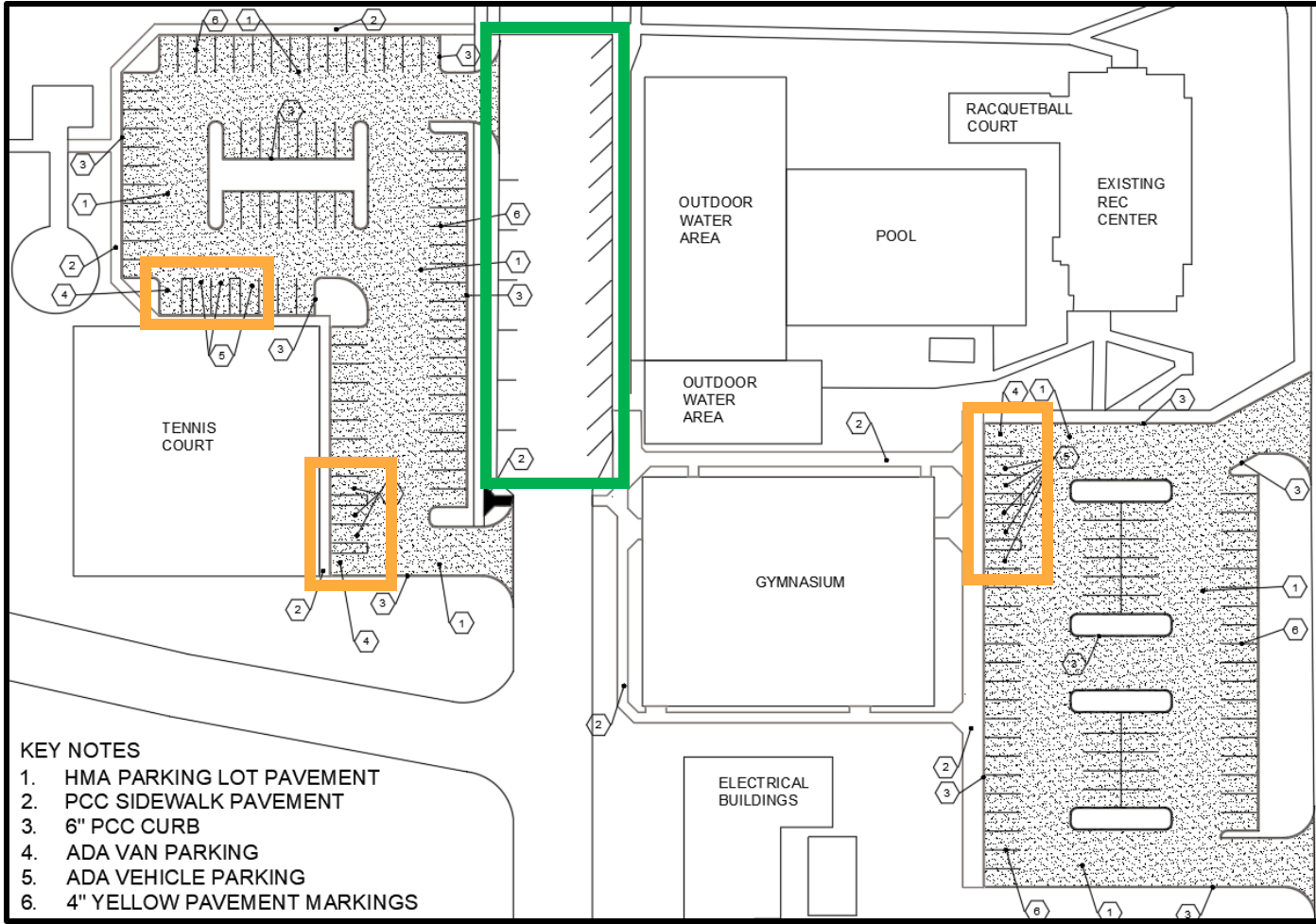
**SHEAR CONNECTION DETAIL:
GIRDER TO COLUMN**



Lateral Force Resisting System:



Parking Lot Design



WEST LOT:

71 SPACES + 8 ADA

79 TOTAL SPACES

EAST LOT:

58 SPACES + 6 ADA

64 TOTAL SPACES

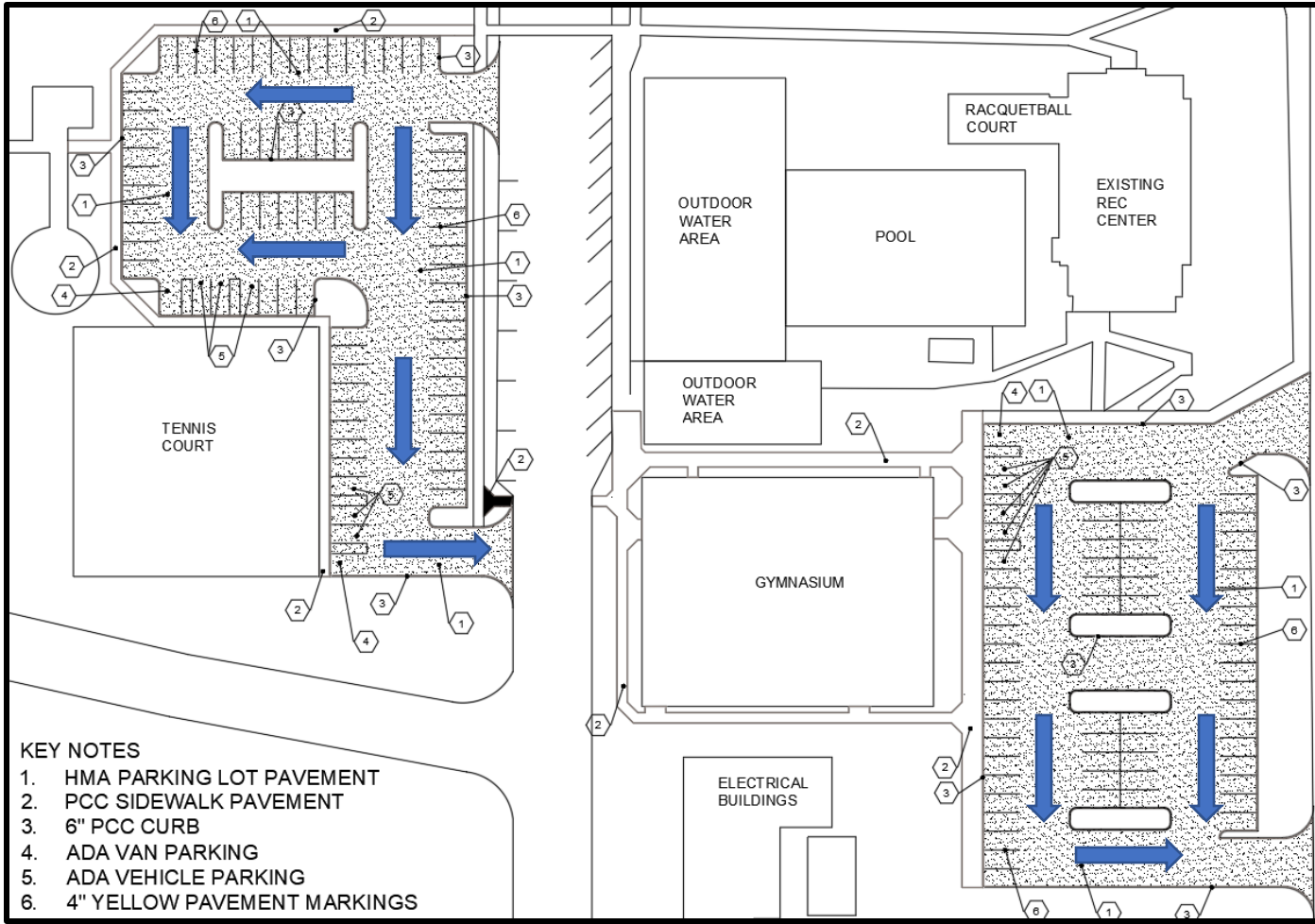
**163 SPACES CREATED
+ 20 ON-STREET PARKING**

**183 TOTAL PARKING
SPACES FOR NEW
GYMNASIUM**

KEY NOTES

1. HMA PARKING LOT PAVEMENT
2. PCC SIDEWALK PAVEMENT
3. 6" PCC CURB
4. ADA VAN PARKING
5. ADA VEHICLE PARKING
6. 4" YELLOW PAVEMENT MARKINGS

Drainage Plan



WEST LOT:

TOP SECTION DRAINS TO THE SOUTHWEST, REST DRAINS SOUTH AND ONTO THE STREET

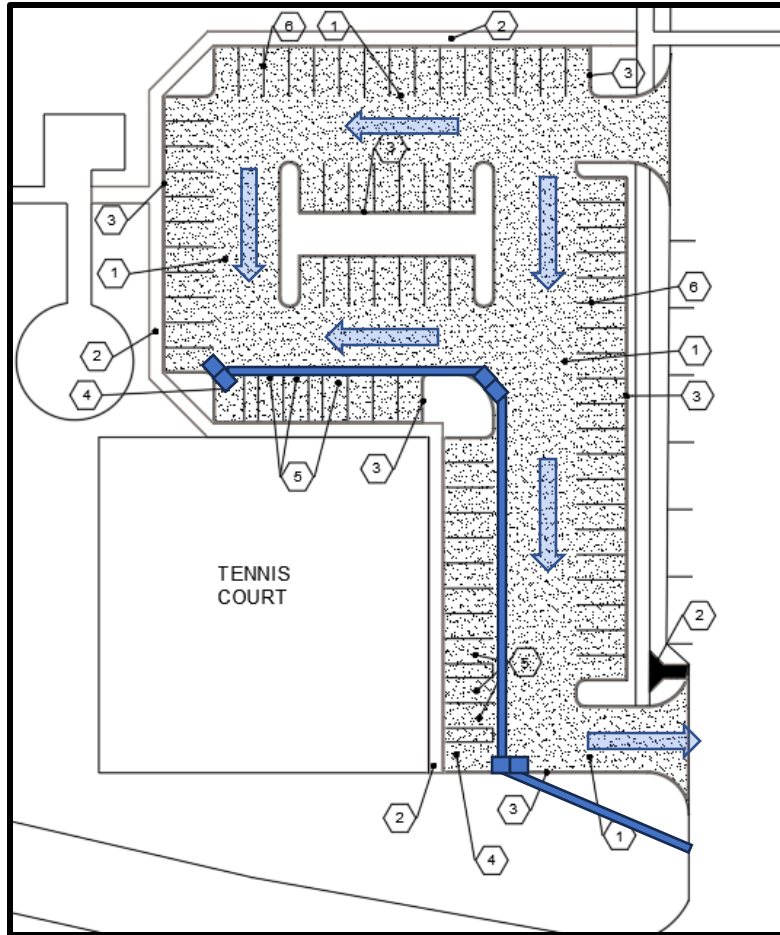
EAST LOT:

FULL GRAVITY DRAINAGE, SOUTH DOWN THE LOT AND EAST ONTO THE STREET

KEY NOTES

1. HMA PARKING LOT PAVEMENT
2. PCC SIDEWALK PAVEMENT
3. 6" PCC CURB
4. ADA VAN PARKING
5. ADA VEHICLE PARKING
6. 4" YELLOW PAVEMENT MARKINGS

West Lot Drainage Plan Detail

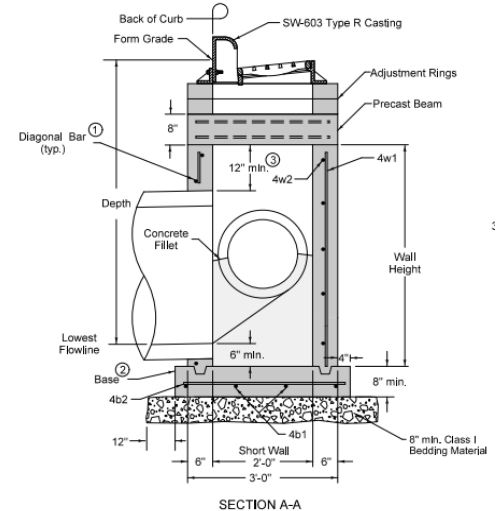
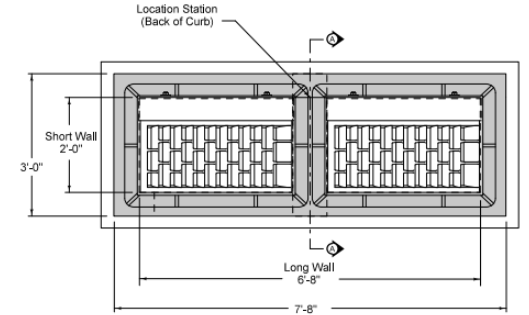


**PROPOSED
DRAINAGE PLAN:**

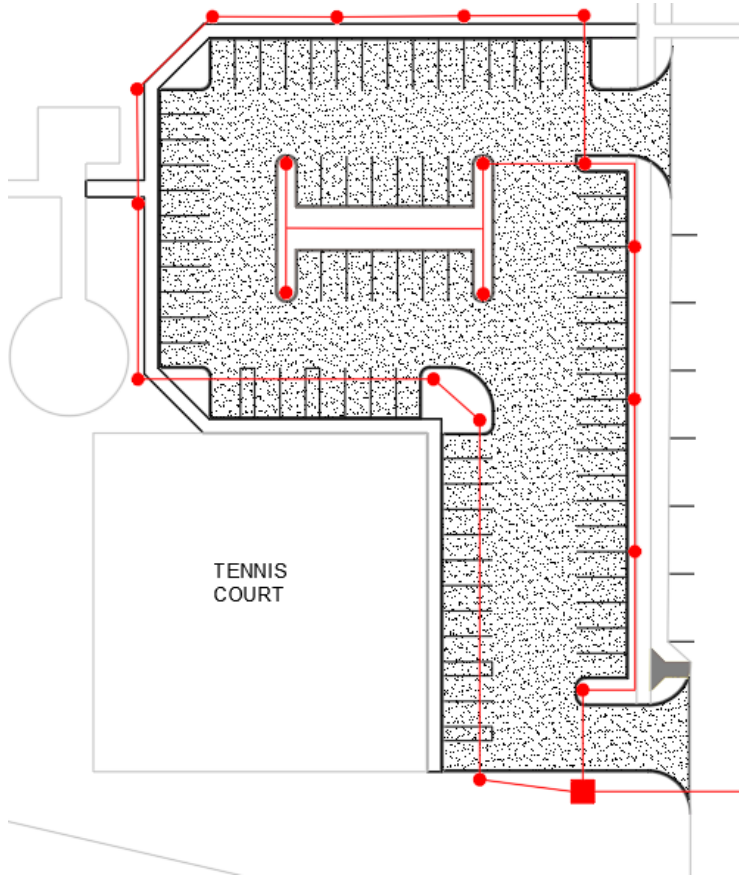
**3 DOUBLE GRATE
INTAKE**

48" MANHOLE

314' OF 36" STORM SEWER



Utilities Plan



WEST LOT:

1 JUNCTION BOX

19 LIGHT POLES

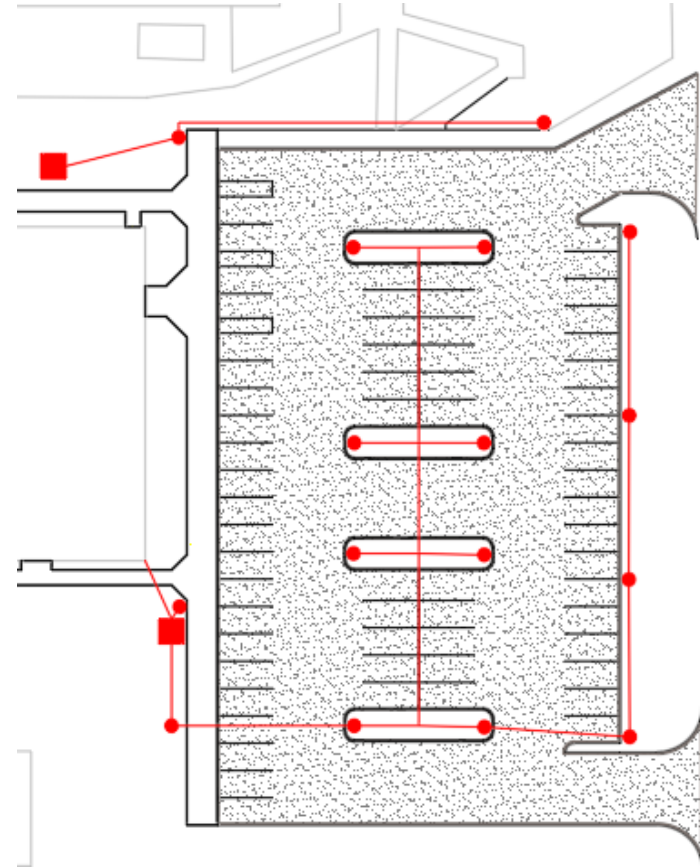
**1158' ELECTRICAL
CIRCUIT**

EAST LOT:

1 JUNCTION BOX

16 LIGHT POLES

**946' ELECTRICAL
CIRCUIT**

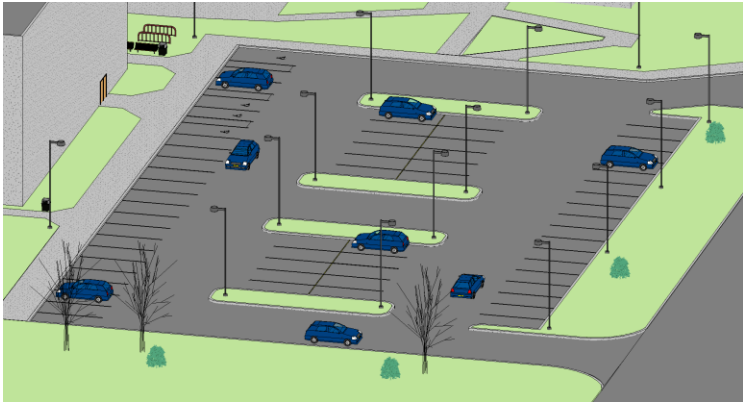
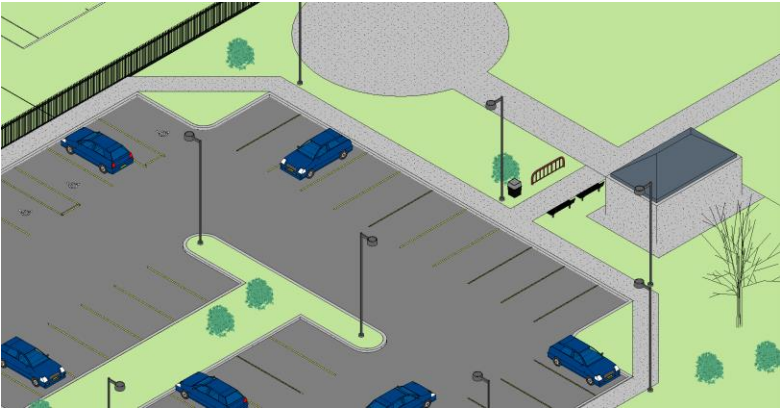


Landscaping Plan

WEST LOT:



EAST LOT:





Manning Gymnasium Cost Estimation

Civil & Site	\$	2,720,367
Structural	\$	1,339,500
Architectural	\$	1,671,657
MEP	\$	2,194,500
Administration	\$	59,000
Subtotal	\$	7,985,024
Contingency (10%)	\$	798,502
Total	\$	8,729,000



Questions?

