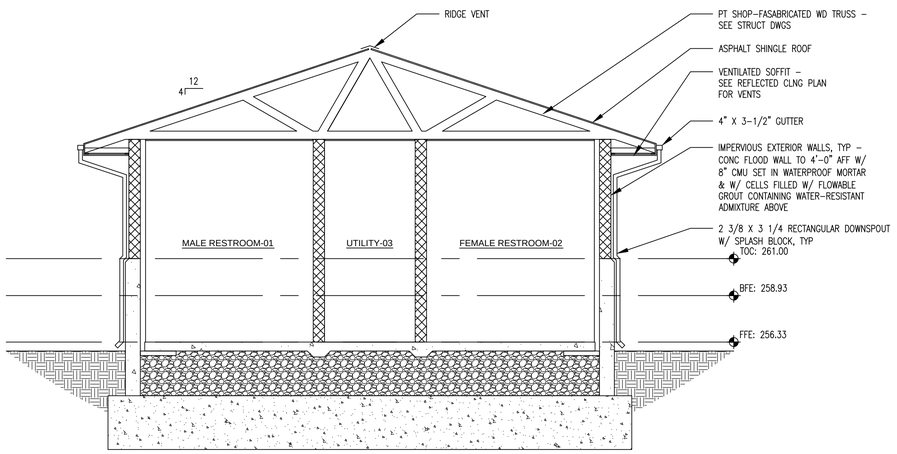
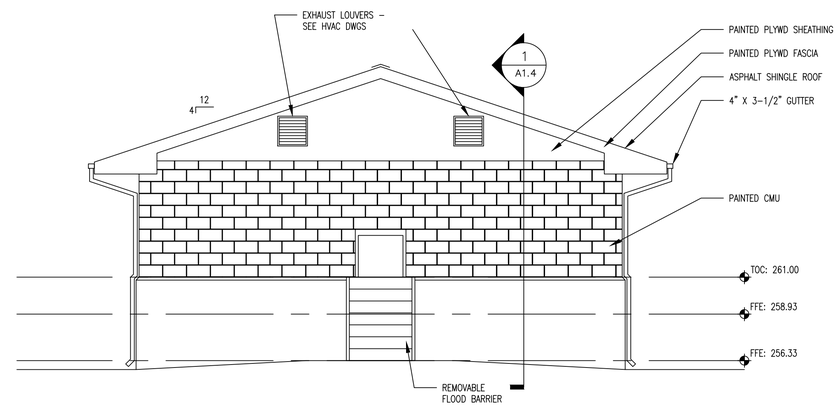
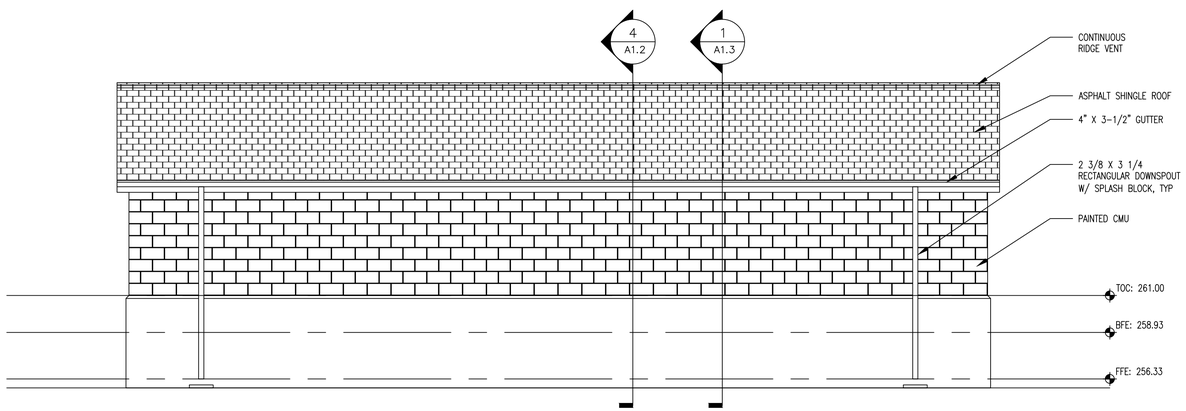
SCO #17-16917-01B



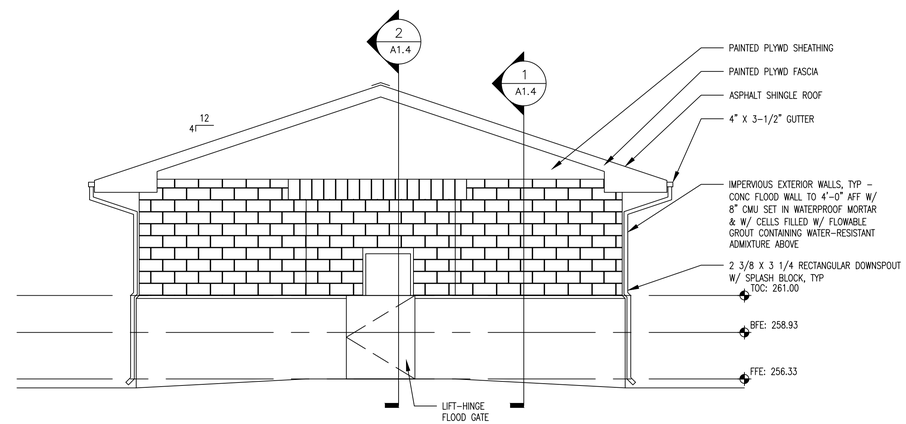
4 TRANSVERSE BUILDING SECTION
1/4" = 1'-0"



3 BUILDING ELEVATION
1/4" = 1'-0"



2 BUILDING ELEVATION
1/4" = 1'-0"



1 BUILDING ELEVATION
1/4" = 1'-0"

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.981.4330
www.fitfields.com

Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road, Suite 305
Chapel Hill, North Carolina 27517
Tel 919.419.9802 Fax 919.419.9803
www.aeiengr.com
NC Lic. No. C-2982

cra
222 cloister court
chapel hill, nc 27514
919.401.8586
www.cra-ae.com

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 ▪ McAdamsCo.com
McADAMS

KENNETH E. REDFOOT
REGISTERED ARCHITECT
6565
NORTH CAROLINA
CHAPEL HILL, N.C.
8/13/2018

REVISIONS:

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
C/O MR. DAVID ROTMAN, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH
PHASE 2 - CONSTRUCTION DRAWINGS
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

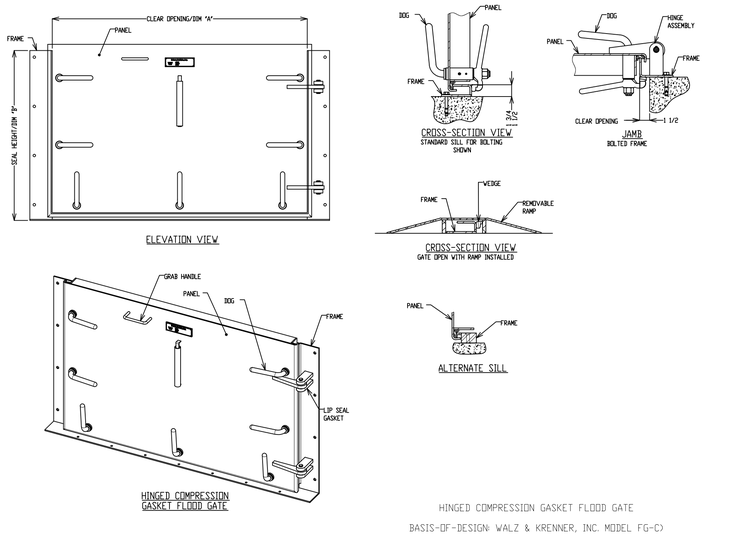
RESTROOM BUILDING - ELEVATIONS

PROJECT NO.	EDF-16020
FILENAME:	
CHECKED BY:	
DRAWN BY:	
SCALE:	
DATE:	08-13-2018
SHEET NO.	A1.2

McADAMS

N:\1623-UNC Finley Fields Structures\~North\ARCH_PLAN_NORTH_PHASE_2.dwg, 8/10/2018 2:54:55 PM, David

SCO #17-16917-01B

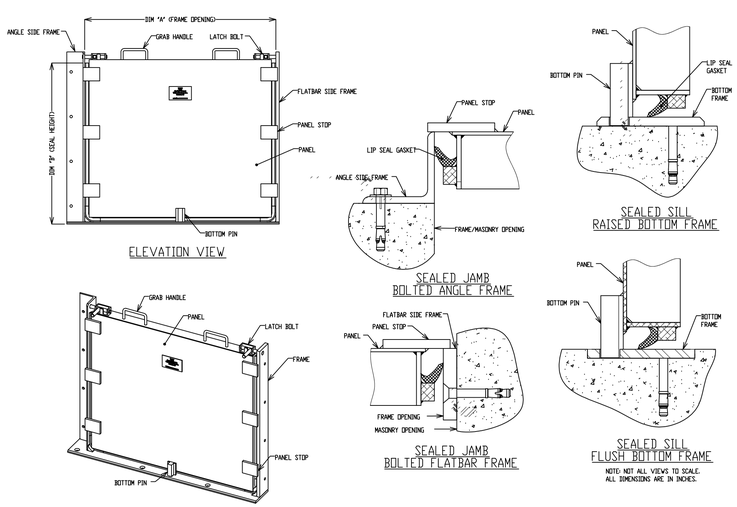


HINGED COMPRESSION GASKET FLOOD GATE

BASIS-OF-DESIGN: WALZ & KRENNER, INC. MODEL FG-C)

5 HINGED COMPRESSION GASKET FLOOD GATE

NTS

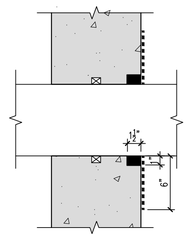


REMOVABLE LIP SEAL FLOOD BARRIER

BASIS-OF-DESIGN: WALZ & KRENNER, INC. MODEL FP-LS

4 REMOVABLE LIP SEAL FLOOD BARRIER

NTS

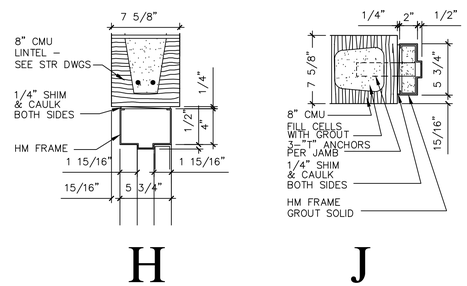


1. ON WATER SIDE MODIFY FORMS AROUND PIPE TO CREATE LINEAR GROOVE 1" HIGH BY 1 1/2" DEEP TO FULLY ENCIRCLE PIPE
2. CLEAN LINEAR GROOVE THOROUGHLY & APPLY SLURRY TO GROOVE; FILL GROOVE W/ DRY-PACK
3. APPLY SLURRY OVER SEALING STRIP & EXTEND 6" FROM PIPE IN ALL DIRECTIONS

CONCENTRATE SLURRY
CONCENTRATE DRY-PACK
WATERSTOP

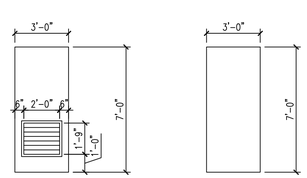
6 PIPE PENETRATION WATERPROOFING DETAIL

NTS



3 DOOR INSTALLATION DETAILS

1-1/2" = 1'-0"

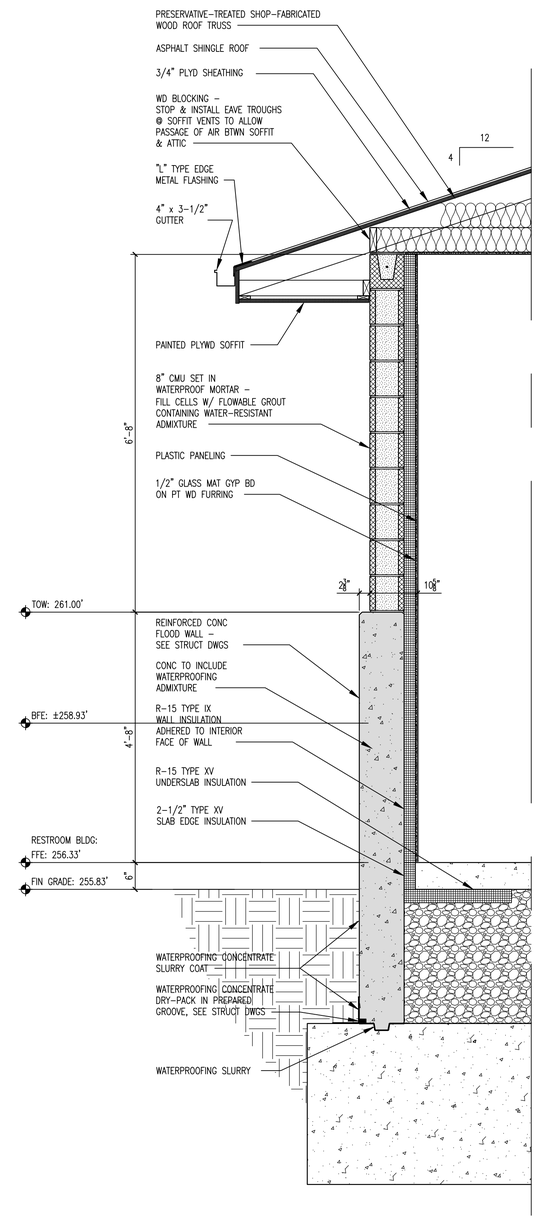


A 1 3/4" INSULATED, PAINTED HOLLOW METAL W/ LOUVER

B 1 3/4" INSULATED, PAINTED HOLLOW METAL

2 DOOR TYPES

1/4" = 1'-0"



1 WALL SECTION @ EAVE

3/4" = 1'-0"

FINAL DRAWING – NOT RELEASED FOR CONSTRUCTION

FITFIELDS (The Dodd Studio) 314 Tom Hall St. Fort Mill, SC 29708 (T) 803.981.4330 www.fitfields.com

Affiliated Engineers Affiliated Engineers, Inc. 1414 Raleigh Road, Suite 305 Chapel Hill, North Carolina 27517 (T) 919.967.8901 Fax 919.419.8603 www.aeieng.com NC Lic. No. C-2582

222 cloister court chapel hill, nc 27514 919.401.8586 www.cra-ae.com

cra

THE JOHN R. McADAMS COMPANY, INC. 2905 Meridian Parkway Durham, North Carolina 27713 License No.: C-0293 (800) 733-5646 • McAdamsCo.com

McADAMS

REGISTERED ARCHITECT 6565 NORTH CAROLINA CHAPEL HILL, N.C. 8/1/18

REVISIONS:		
1.	TOW DATUM	3/26/18

OWNER: THE EDUCATIONAL FOUNDATION, INC. 450 SKIPPER BOWLES DRIVE CHAPEL HILL, NORTH CAROLINA 27599 C/O MR. DAVID ROTMAN, AIA ROTMAN ARCHITECTURE, PA 512 SAINT MARY'S STREET, SUITE 105 RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH

PHASE 2 – CONSTRUCTION DRAWINGS

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

CHAPEL HILL, NORTH CAROLINA

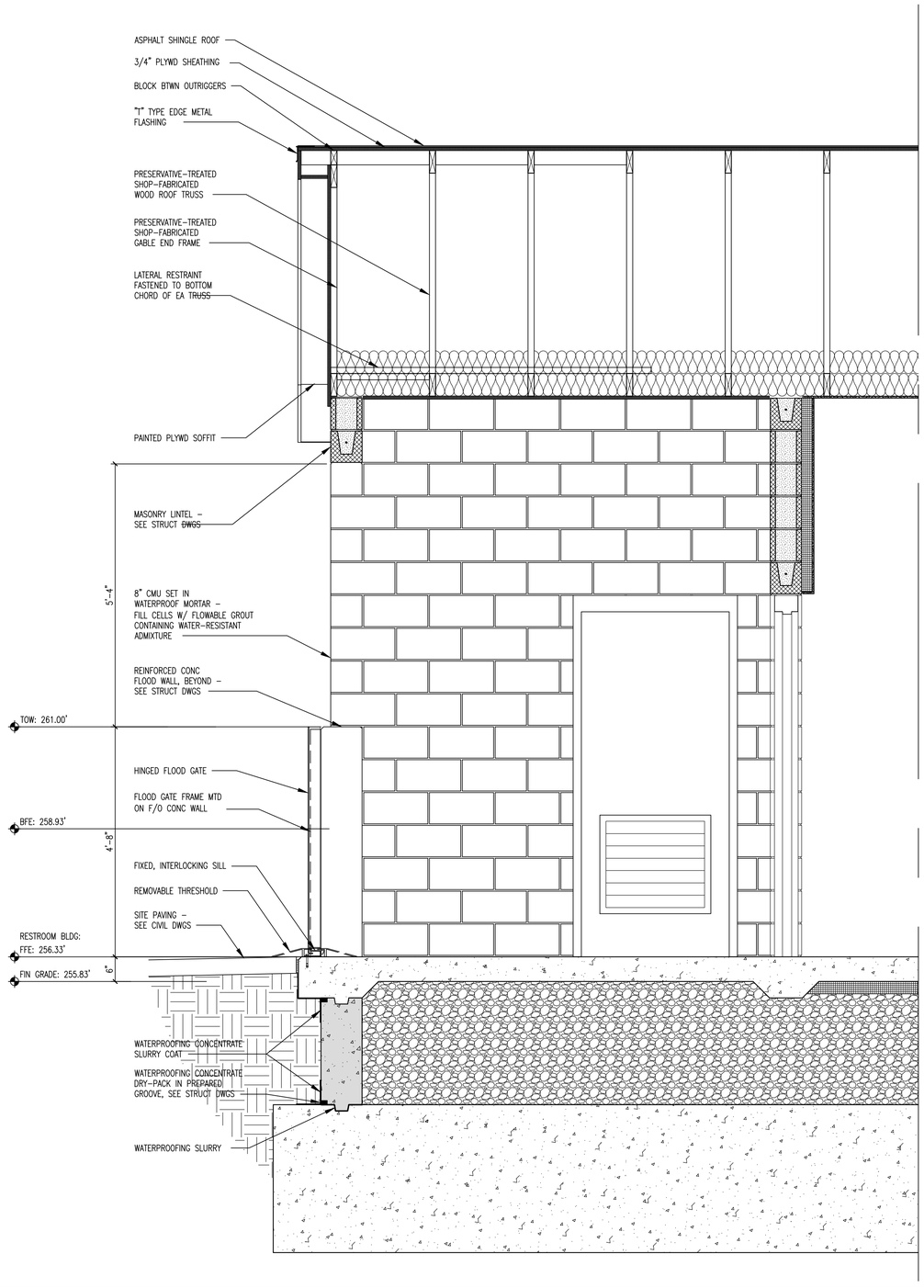
RESTROOM BUILDING – WALL SECTIONS & DETAILS

PROJECT NO.	EDF-16020
FILENAME:	
CHECKED BY:	
DRAWN BY:	
SCALE:	
DATE:	08-13-2018
SHEET NO.	A1.3

McADAMS

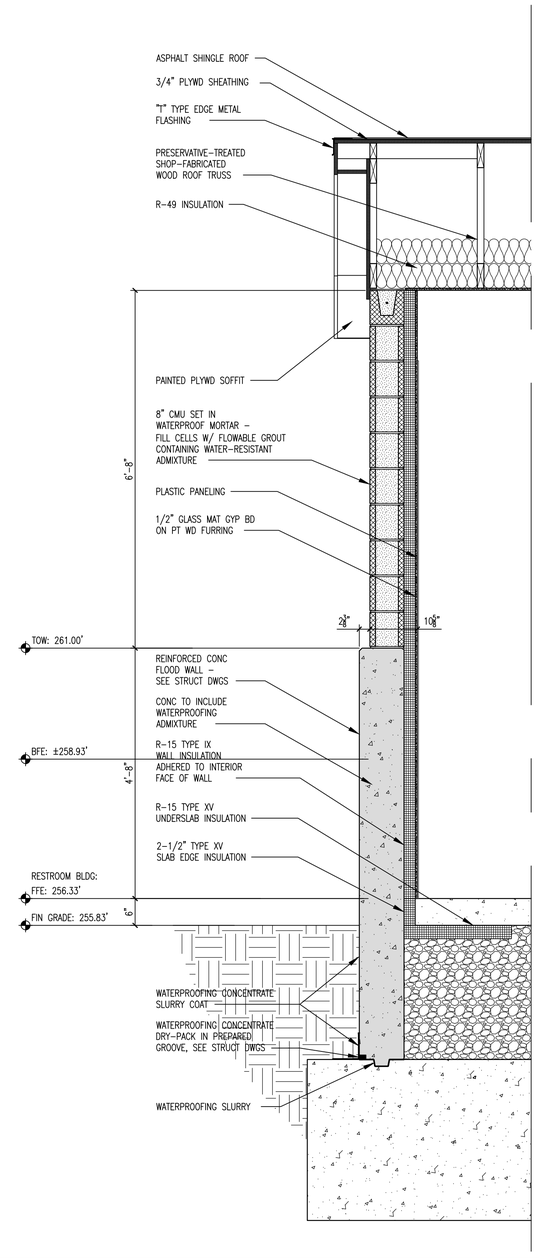
N:\1623-UNC Finley Fields Structures\-North\ARCH_PLAN_NORTH_PHASE_2.dwg, 9/26/2018 9:41:30 AM, David

SCO #17-16917-01B



2 WALL SECTION @ ENTRANCE

3/4" = 1'-0"



1 WALL SECTION @ GABLE

3/4" = 1'-0"

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.981.4330
www.fitfields.com

Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road., Suite 305
Chapel Hill, North Carolina 27517
(T) 919.493.5000 Fax 919.418.9803
www.aeieng.com
NC Lic. No. C-2262

cra
222 cloister court
chapel hill, nc 27514
919.401.8586
www.cra-ae.com

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

REGISTERED ARCHITECT 6565 NORTH CAROLINA CHAPEL HILL, N.C. 8/1/18

REVISIONS:

1.	TOW DATUM	3/26/18

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
C/O MR. DAVID ROTMAN, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET, SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH

PHASE 2 - CONSTRUCTION DRAWINGS

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

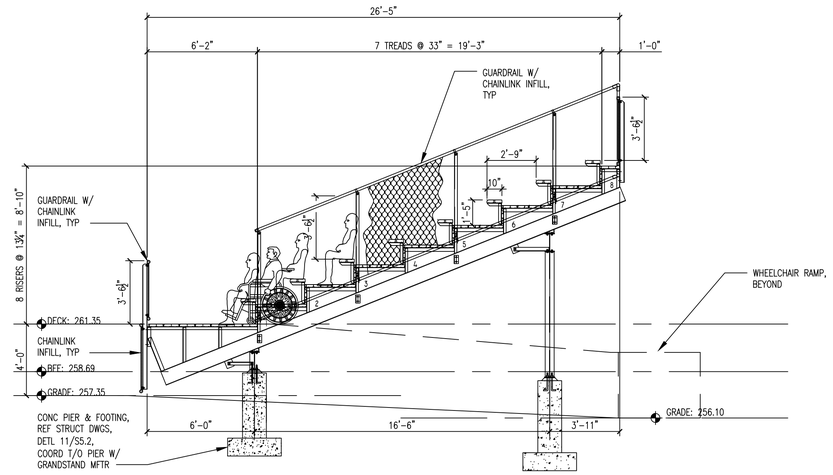
RESTROOM BUILDING - WALL SECTIONS & DETAILS

PROJECT NO.	EDF-16020
FILENAME:	
CHECKED BY:	
DRAWN BY:	
SCALE:	
DATE:	08-13-2018
SHEET NO.	A1.4

McADAMS

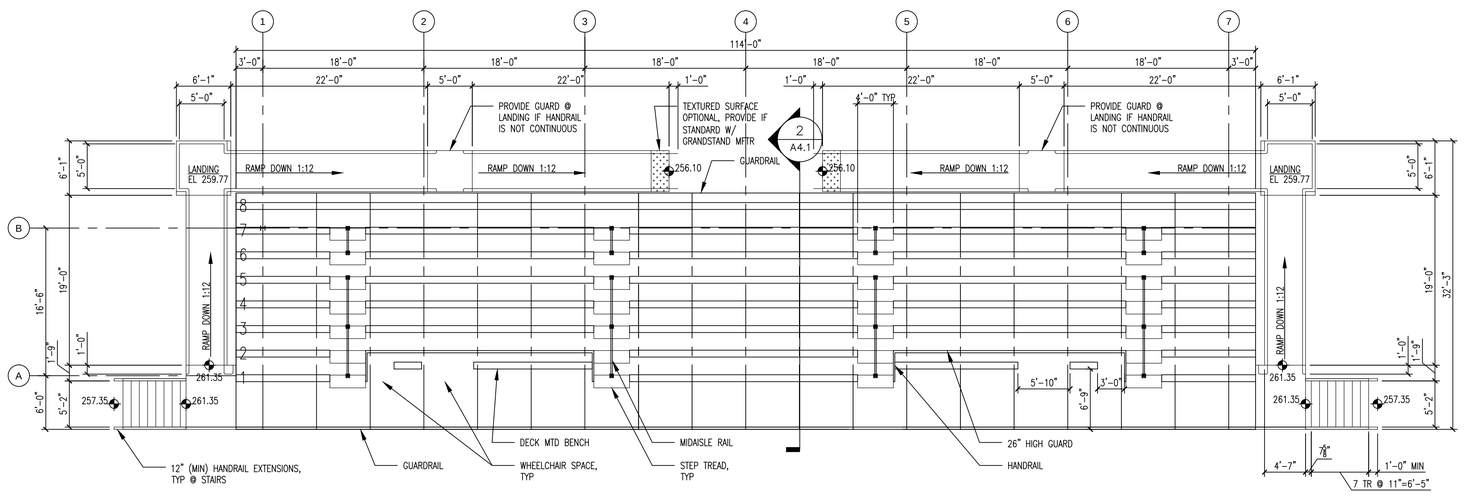
N:\1623-UNC Finley Fields Structures\-North\VROU_PLAN_NORTH_PHASE_2.dwg, 9/26/2018 9:42:22 AM, David

SCO #17-16917-01B



2 SECTION - GRANDSTAND

1/4" = 1'-0"



1 PLAN - GRANDSTAND

1/8" = 1'-0"

FINAL DRAWING – NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.981.4330
www.fitfields.com

Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road, Suite 305
Chapel Hill, North Carolina 27517
Tel 919.419.9802 Fax 919.419.9803
www.aeieng.com
NC Lic. No. C-2982

cra
222 cloister court
chapel hill, nc 27514
919.401.8586
www.cra-ae.com

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 ▪ McAdamsCo.com

McADAMS

REVISIONS:

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
C/O MR. DAVID ROTMAN, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET, SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH
PHASE 2 – CONSTRUCTION DRAWINGS
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

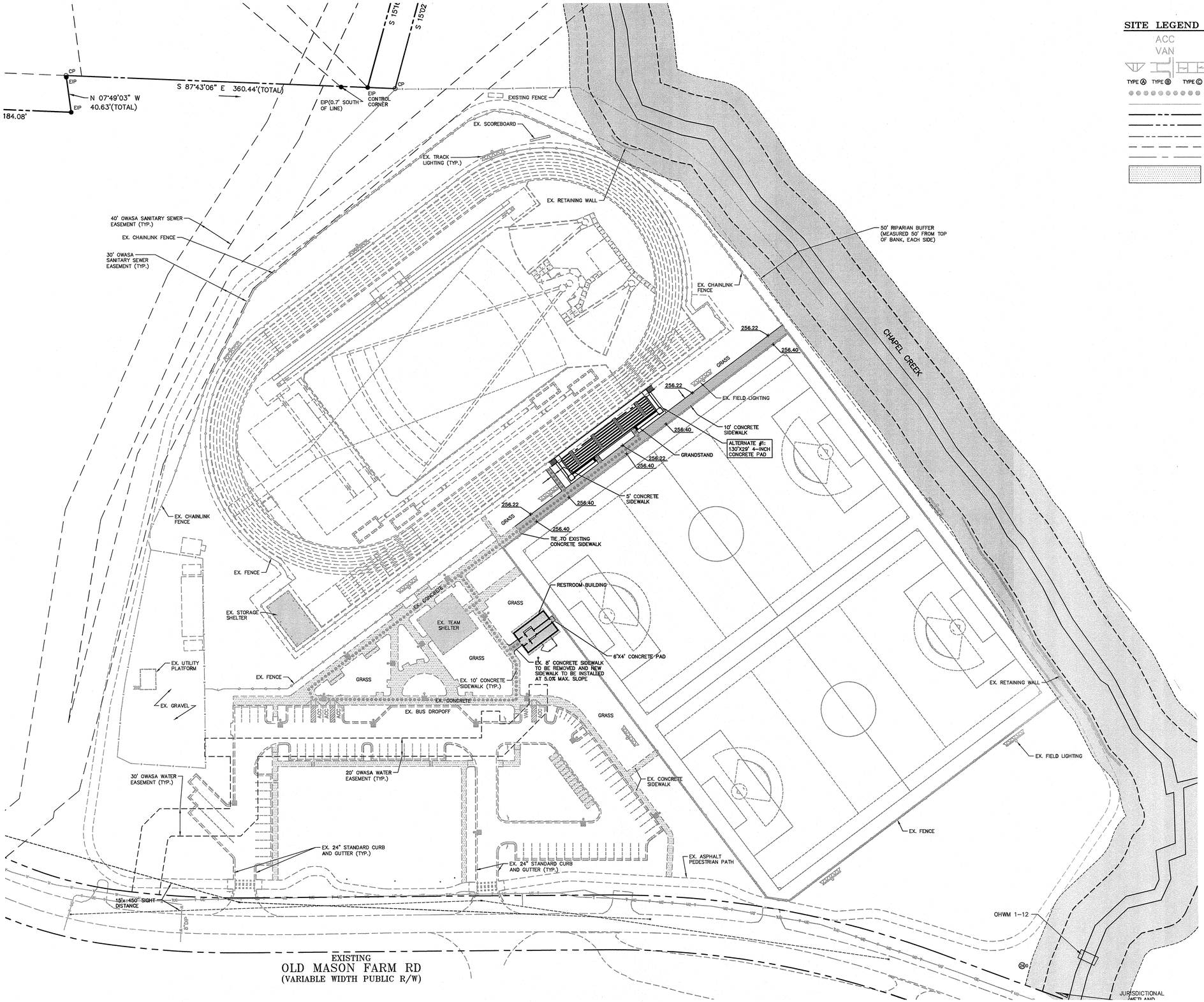
GRANDSTAND

PROJECT NO.	EDF-16020
FILENAME:	
CHECKED BY:	
DRAWN BY:	
SCALE:	
DATE:	08-13-2018
SHEET NO.	A4.1

McADAMS

N:\1623-UNC Finley Fields Structures\~North\ARCH_PLAN_NORTH_PHASE_2.dwg, 8/13/2018 5:28:10 PM, David

SCO #17-16917-01B



SITE LEGEND

ACC	ACCESSIBLE PARKING STALL
VAN	VAN ACCESSIBLE PARKING STALL
TYPE Ⓐ TYPE Ⓑ TYPE Ⓒ	ACCESSIBLE RAMPS
	ACCESSIBLE ROUTE
	FENCE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	LOT LINE
	EASEMENT LINE
	CENTERLINE
	CONCRETE SIDEWALK

GRAPHIC SCALE
50 0 25 50 100
1 inch = 50 ft.

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.981.4330
www.fitfields.com

Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road, Suite 305
Chapel Hill, North Carolina 27517
Tel 919.419.9802 Fax 919.419.9803
www.aeieng.com
NC Lic. No. C-2992

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

McADAMS

NORTH CAROLINA PROFESSIONAL SEAL 033840 ENGINEER CURTIS M. BLAZIER

REVISIONS:

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
C/O MR. DAVID ROTMAN, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH
PHASE 2 - CONSTRUCTION DRAWINGS
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

OVERALL SITE PLAN

PROJECT NO.	EDF-16020
FILENAME:	EDF16020-OAS2
CHECKED BY:	
DRAWN BY:	
SCALE:	1"=50'
DATE:	08-13-2018
SHEET NO.	C-4A

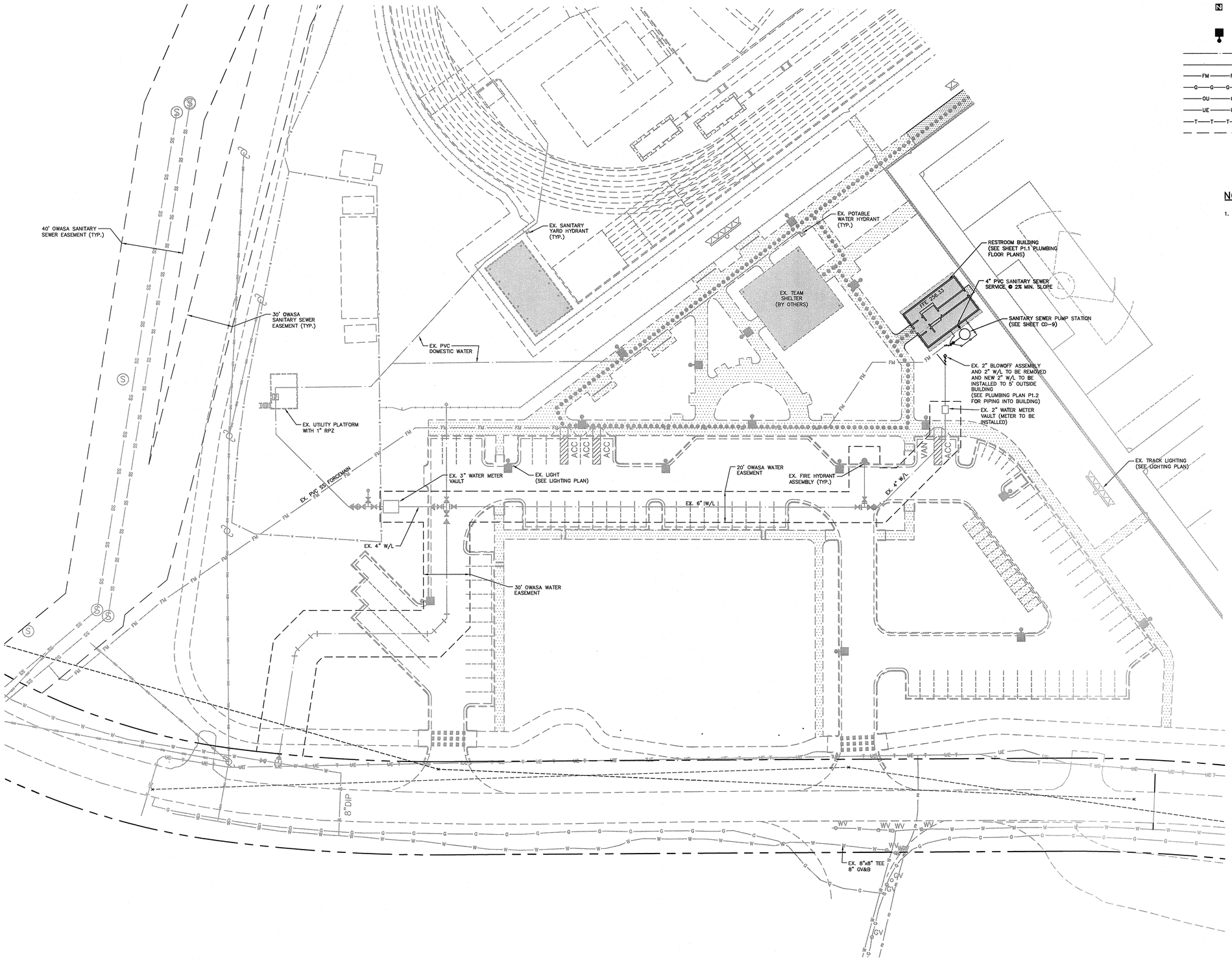
McADAMS

X:\Projects\EDF\EDF-16020\Land\Construction Drawings\Current Drawings\EDF16020-OAS2.dwg, 9/4/2018 9:39:39 AM, Blazier, Curt

SCO #17-16917-01B

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- YARD HYDRANT
- PLUG
- WATER VALVE
- BACKFLOW PREVENTER
- LIGHT POLE
- WATER SERVICE LINE
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE



NOTES:

1. WATERTIGHT PORTS OF ENTRY INTO THE PUMP STATION SHALL BE PROVIDED TO PREVENT FLOOD WATERS FROM ENTERING THE WET WELL. ALL ELECTRICAL AND CONTROLS GEAR SHALL BE ELEVATED TO MINIMUM TWO-FEET ABOVE THE 100-YEAR FLOOD ELEVATION OF 258.93.

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT OWASA ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.

FINAL DRAWING – NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.981.4330
www.fitfields.com

Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road., Suite 305
Chapel Hill, North Carolina 27517
(T) 919.968.9001 (F) 919.419.8503
www.aeinc.com
NC Lic. No. C-2862

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

NORTH CAROLINA PROFESSIONAL SEAL 033840 ENGINEER CURTIS M. BLAZIER 9/31/18

REVISIONS:

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
ATTN: DAVID LOMAX, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH
PHASE 2 - CONSTRUCTION DRAWINGS
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

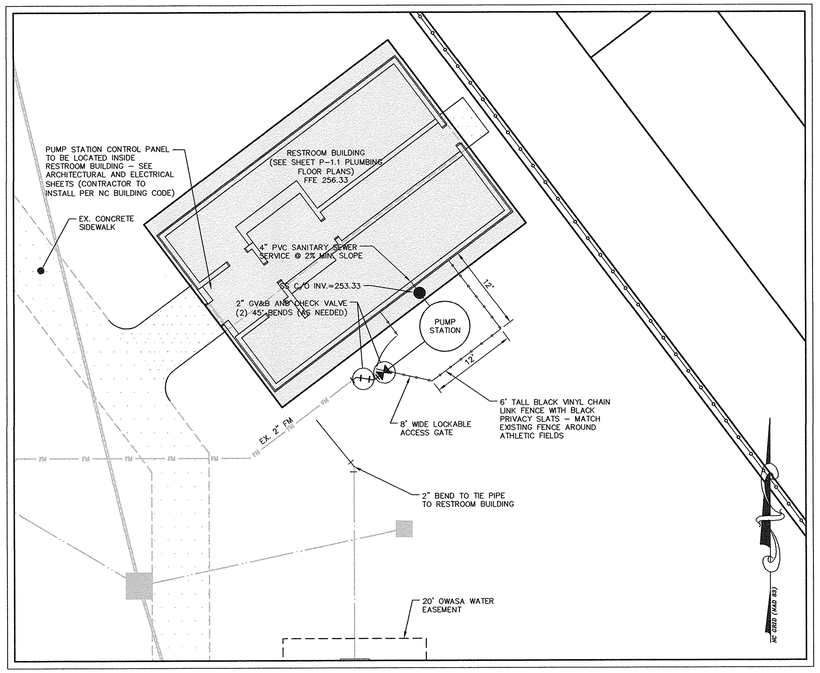
UTILITY PLAN

PROJECT NO.	EDF-16020
FILENAME:	EDF16020-U1
CHECKED BY:	
DRAWN BY:	
SCALE:	1"=30'
DATE:	08-13-2018
SHEET NO.	C-8A

McADAMS

X:\Projects\EDF\EDF-16020\Land\Construction Drawings\Current Drawings\EDF16020-U2.dwg, 9/31/2018 2:33:32 PM, Blazier, Curt

SCO #17-16917-01B



GRAPHIC SCALE

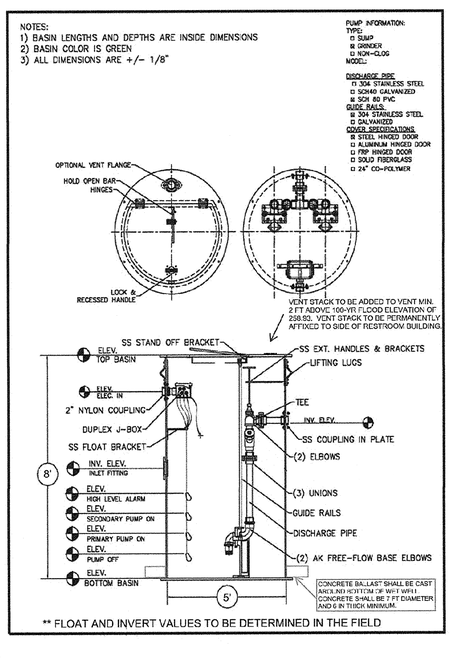
10 0 5 10 20

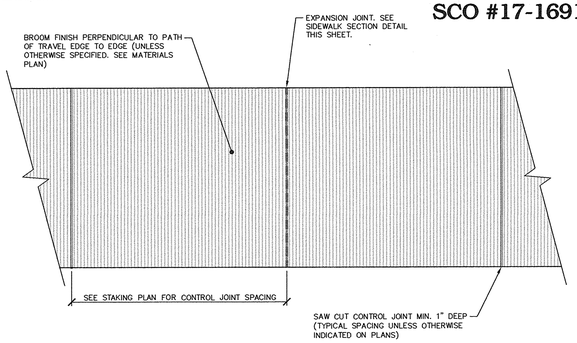
1 inch = 10 ft.

UTILITY INSET

PUMP STATION NOTES:

1. PACKAGE GRINDER PUMP STATION CAPABLE OF PUMPING 50 GPM AT 90 FEET TOTAL DYNAMIC HEAD. PUMPS SHALL BE 2 HP MINIMUM, 480V, 3 PHASE.
2. WATERTIGHT PORTS OF ENTRY INTO THE PUMP STATION SHALL BE PROVIDED TO PREVENT FLOOD WATERS FROM ENTERING THE WET WELL. ALL ELECTRICAL, CONTROL GEAR, AND WET WELL VENT SHALL BE ELEVATED TO MIN. TWO–FEET ABOVE THE 100–YEAR FLOOD ELEVATION OF 258.93.
3. ACCESS HATCH SHALL BE WATERTIGHT.
4. 100–YEAR FLOOD ELEVATION AT PUMP STATION SITE IS 258.93'.
5. TOP OF PUMP STATION TO BE INSTALLED 6–INCHES ABOVE SURROUNDING GRADE.
6. PUMP STATION WET WELL SHALL BE FIBERGLASS AS SHOWN ON THE DETAILS OR APPROVED EQUAL.
7. PUMP STATION PIPING SHALL BE STAINLESS STEEL AND/OR SCHEDULE 80 PVC.
8. CONTROL PANEL TO CONTAIN THE FOLLOWING ELEMENTS:
   - UL TYPE 4X ENCLOSURE
   - STAINLESS DOOR LATCHES WITH PADLOCK
   - 360 VISUAL ALARM
   - AUDIBLE ALARM W/SILENCE CIRCUIT
   - SEPARATE ALARM AND CONTROL FUSES
   - UL LISTED COMPONENTS
   - DP RATED CONTACTOR
   - PUMP CIRCUIT BREAKER(S)
   - PUMP RUN LIGHTS
   - 3 FLOAT SYSTEM
   - ALTERNATING RELAYS
   - LABELED TERMINAL BLOCKS
   - WIRING DIAGRAM INSIDE DOOR
   - LIGHTNING / SURGE ARRESTOR
9. CONTRACTOR TO INSTALL CONTROL PANEL PER NC BUILDING CODE.

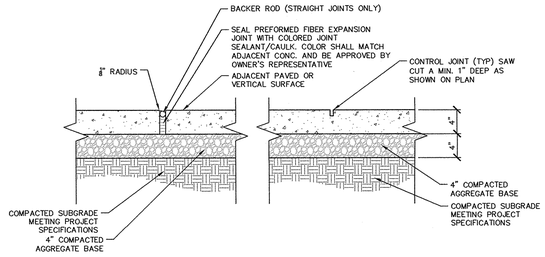




NOTES:
1. REFER TO DETAILED LAYOUT PLAN FOR SIDEWALK LOCATIONS, TYPES AND WIDTHS.
2. REFER TO DETAILED LAYOUT PLAN FOR SPECIFIC JOINT LOCATIONS AND SPACING.
3. USE THIS DETAIL FOR TYPICAL JOINT SPACING WHEN NO SPECIFIC JOINT SPACING IS INDICATED ON PLANS.
4. CONTROL JOINT SPACING SHALL BE EQUAL TO SIDEWALK WIDTH BUT IN NO INSTANCE EXCEED 6'. SEE MATERIALS & STAKING PLAN FOR ALL OTHER JOINT SPACING.
5. MAXIMUM SIDEWALK CROSS–SLOPE IS 2%.

SIDEWALK DETAIL – PLAN VIEW

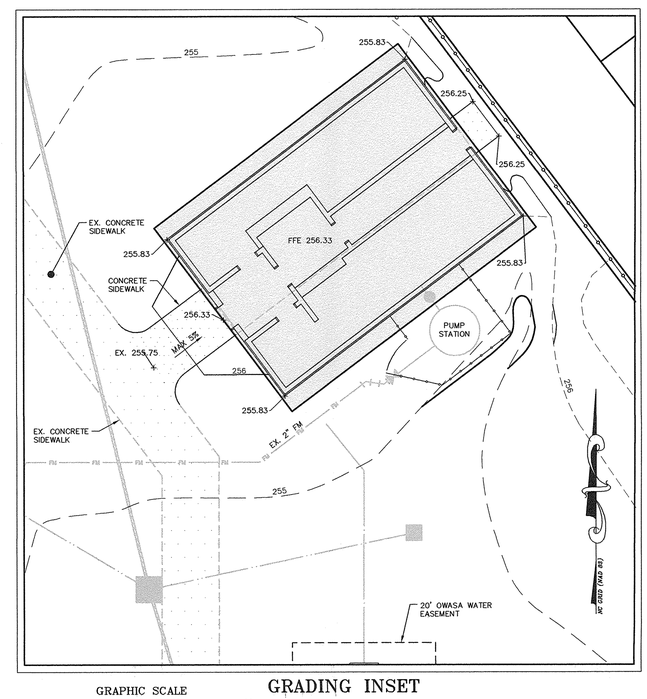
N.T.S.



NOTES:
1. EXPANSION JOINTS SHALL BE INSTALLED WHERE CONCRETE PAVEMENT ABUTS ALL VERTICAL SURFACES INCLUDING BUT NOT LIMITED TO ALL BUILDINGS, STRUCTURES, STAIRS, CURBS, COLUMNS, WALLS, LIGHT POLES, ETC.
2. WHERE WALK ABUTS RIGID STRUCTURE, JOINT SHALL BE WATERTIGHT.
3. PROVIDE EXPANSION JOINTS @ 20' O.C. MAX UNLESS OTHERWISE SHOWN/ REQUIRED. (SEE MATERIALS & STAKING PLAN)
4. CONTROL JOINT SPACING SHALL BE EQUAL TO SIDEWALK WIDTH BUT IN NO INSTANCE EXCEED 6'. SEE MATERIALS & STAKING PLAN FOR ALL OTHER JOINT SPACING)
5. SAW CUT TO A MIN. DEPTH OF 1". CONTRACTOR TO CLOSELY COORDINATE LOCATIONS AND DESIGNS PRIOR TO AND DURING CONSTRUCTION.
6. ALL CONCRETE SHALL BE 3,000 PSI UNLESS OTHERWISE REQUIRED BY PROJECT SPECIFICATIONS.

SIDEWALK DETAIL – SECTION VIEW

N.T.S.



GRAPHIC SCALE

10 0 5 10 20

1 inch = 10 ft.

GRADING INSET

FINAL DRAWING – NOT RELEASED FOR CONSTRUCTION

FITFIELDS
(The Dodd Studio)
314 Tom Hall St.
Fort Mill, SC 29708
(T) 803.391.4330
www.fitfields.com

AEI Affiliated Engineers
Affiliated Engineers, Inc.
1414 Raleigh Road, Suite 305
Chapel Hill, North Carolina 27517
Tel 919.419.9802 Fax 919.419.9803
www.aeiengineers.com
NC Lic. No. C-2892

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

McADAMS

NORTH CAROLINA PROFESSIONAL SEAL 033840 ENGINEER
A. ZIEGLER
9/27/18

REVISIONS:

OWNER:
THE EDUCATIONAL FOUNDATION, INC.
450 SKIPPER BOWLES DRIVE
CHAPEL HILL, NORTH CAROLINA 27599
C/O MR. DAVID ROTMAN, AIA
ROTMAN ARCHITECTURE, PA
512 SAINT MARY'S STREET SUITE 105
RALEIGH, NORTH CAROLINA 27605

FINLEY FIELDS NORTH
PHASE 2 - CONSTRUCTION DRAWINGS
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
CHAPEL HILL, NORTH CAROLINA

PHASE 2 DETAILS AND INSETS

PROJECT NO.	EDF–16020
FILENAME:	EDF16020–D1
CHECKED BY:	CMB
DRAWN BY:	MAG/LAW
SCALE:	AS SHOWN
DATE:	08–13–2018
SHEET NO.	CD-9

McADAMS

X:\Projects\EDF\EDF-16020\Land\Construction Drawings\Current Drawings\EDF16020-D1.dwg, 9/27/2018 9:42:48 AM, Rigglns, Daryl

70