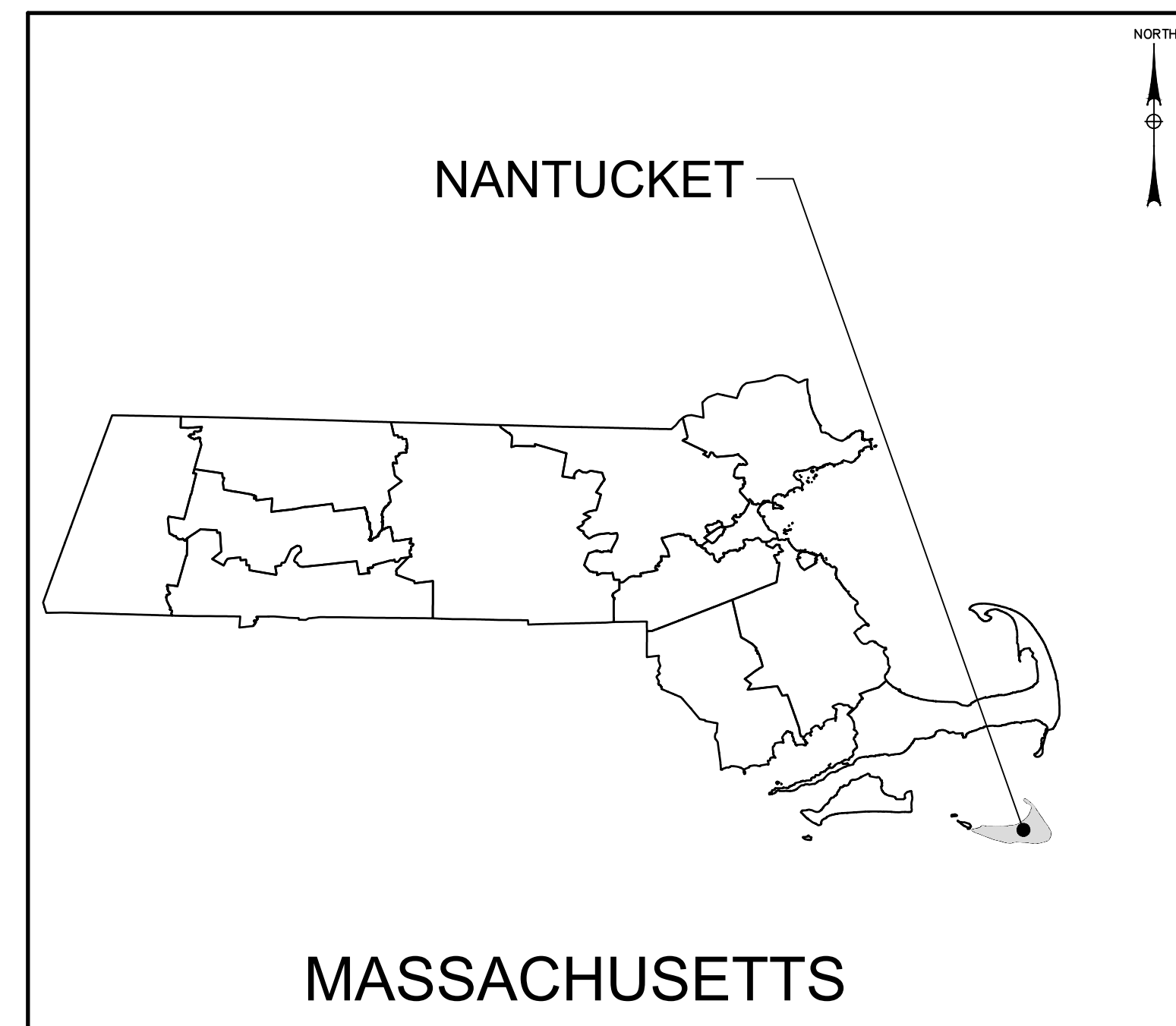


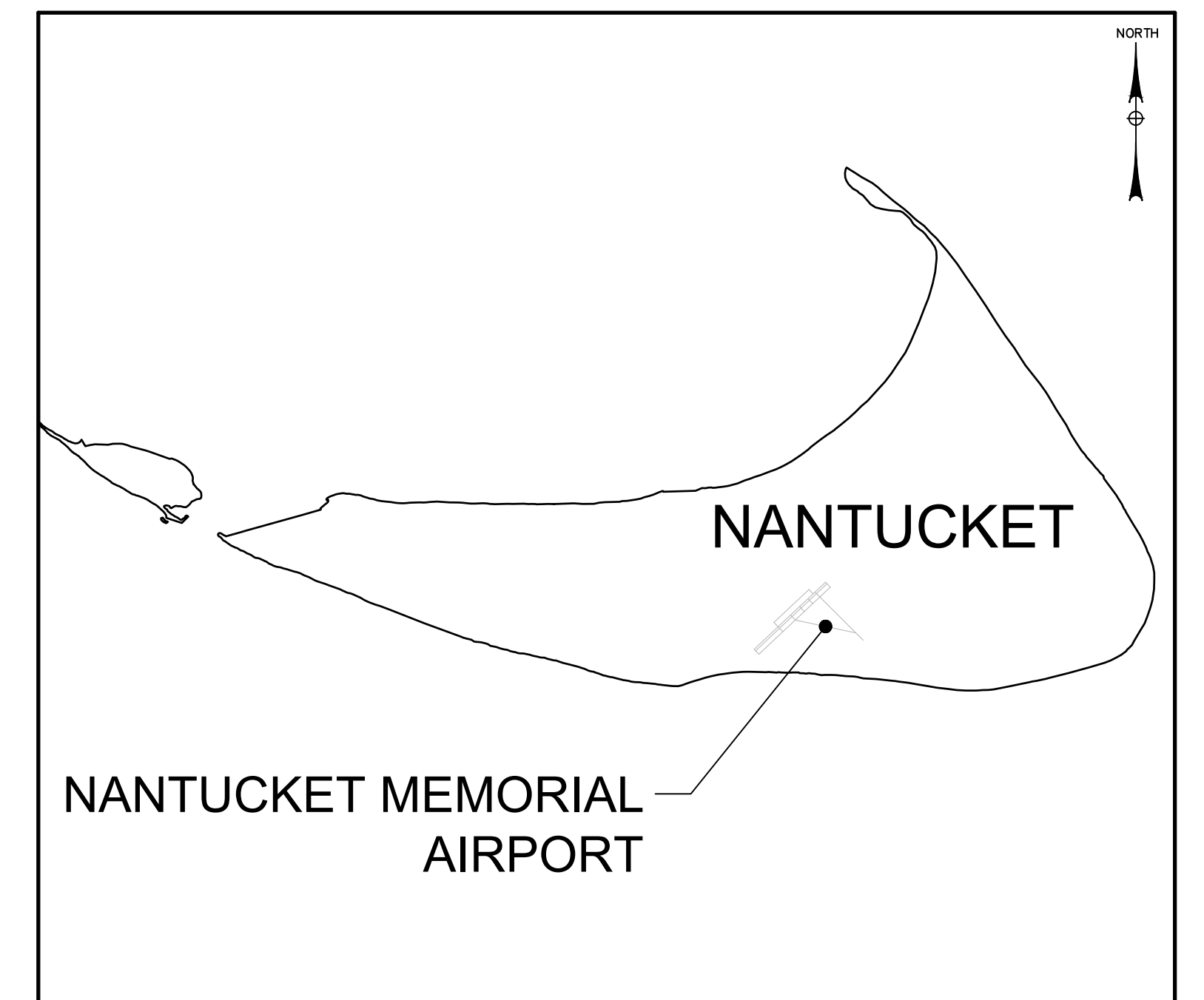
NANTUCKET MEMORIAL AIRPORT MADEQUECHAM VALLEY ROAD WATERLINE

CONSTRUCTION SET 11/29/21



LOCATION MAP

NANTUCKET
NANTUCKET COUNTY
MASSACHUSETTS



VICINITY MAP

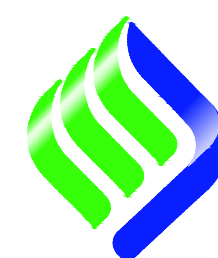
PREPARED FOR:



NANTUCKET MEMORIAL AIRPORT
14 AIRPORT ROAD
NANTUCKET, MASSACHUSETTS
(508) 325-5300
WWW.NANTUCKET-MA.GOV

**NOTE: CONSTRUCTION PLANS
ARE SUBJECT TO CHANGE DUE
TO CONDITIONS AND
MODIFICATIONS MADE IN THE
FIELD.**

PREPARED BY:



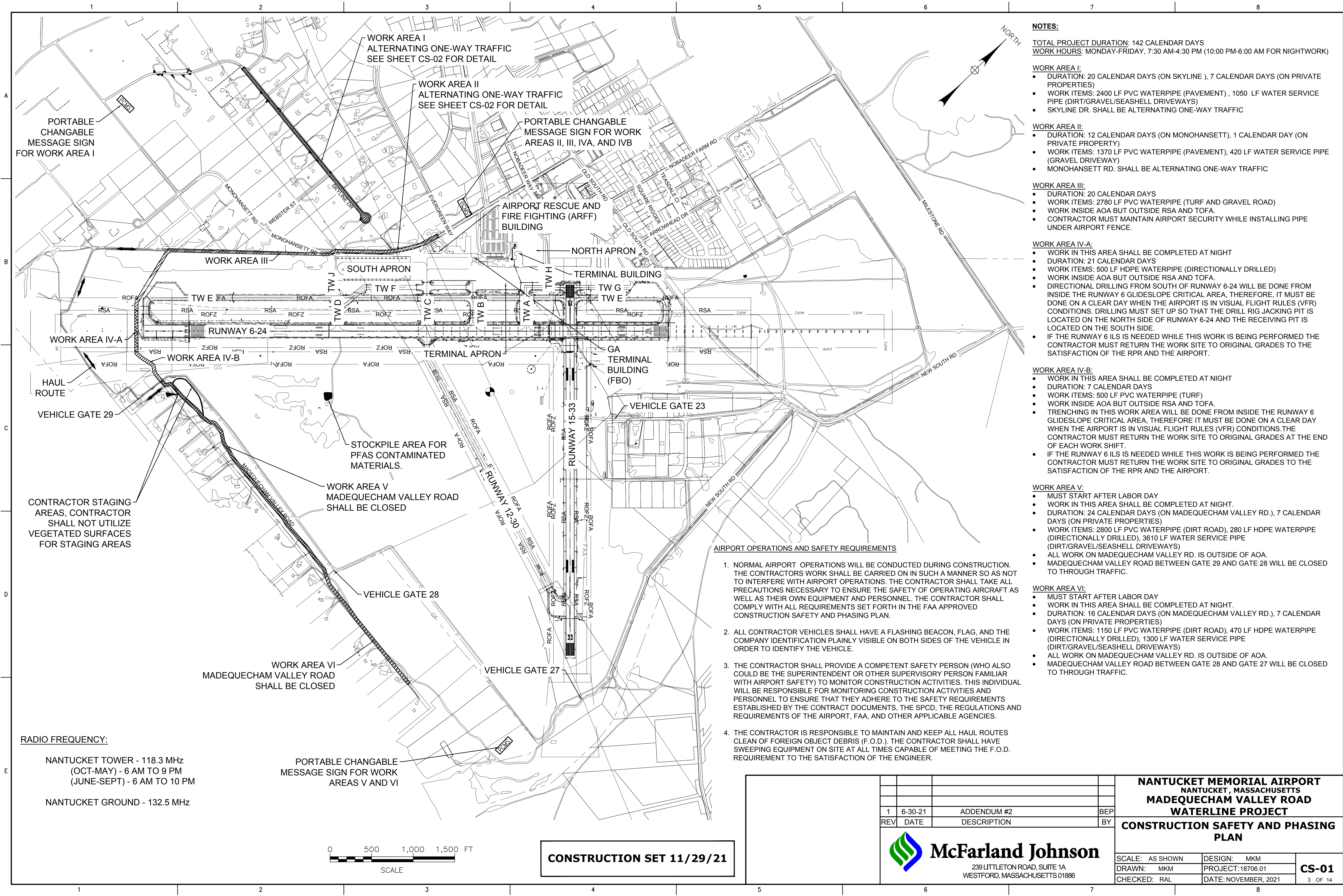
McFarland Johnson

239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

18706.01

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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NOTES:

TOTAL PROJECT DURATION: 142 CALENDAR DAYS
WORK HOURS: MONDAY-FRIDAY, 7:30 AM-4:30 PM (10:00 PM-6:00 AM FOR NIGHTWORK)

WORK AREA I:

- DURATION: 20 CALENDAR DAYS (ON SKYLINE), 7 CALENDAR DAYS (ON PRIVATE PROPERTIES)
- WORK ITEMS: 2400 LF PVC WATERPIPE (PAVEMENT) , 1050 LF WATER SERVICE PIPE (DIRT/GRAVEL/SEASHELL DRIVEWAYS)
- SKYLINE DR. SHALL BE ALTERNATING ONE-WAY TRAFFIC

WORK AREA II:

- DURATION: 12 CALENDAR DAYS (ON MONOHANSETT), 1 CALENDAR DAY (ON PRIVATE PROPERTY)
- WORK ITEMS: 1370 LF PVC WATERPIPE (PAVEMENT), 420 LF WATER SERVICE PIPE (GRAVEL DRIVEWAY)
- MONOHANSETT RD. SHALL BE ALTERNATING ONE-WAY TRAFFIC

WORK AREA III:

- DURATION: 20 CALENDAR DAYS
- WORK ITEMS: 2780 LF PVC WATERPIPE (TURF AND GRAVEL ROAD)
- WORK INSIDE AOA BUT OUTSIDE RSA AND TOFA.
- CONTRACTOR MUST MAINTAIN AIRPORT SECURITY WHILE INSTALLING PIPE UNDER AIRPORT FENCE.

WORK AREA IV-A:

- WORK IN THIS AREA SHALL BE COMPLETED AT NIGHT
- DURATION: 21 CALENDAR DAYS
- WORK ITEMS: 500 LF HDPE WATERPIPE (DIRECTIONALLY DRILLED)
- WORK INSIDE AOA BUT OUTSIDE RSA AND TOFA.
- DIRECTIONAL DRILLING FROM SOUTH OF RUNWAY 6-24 WILL BE DONE FROM INSIDE THE RUNWAY 6 GLIDESLOPE CRITICAL AREA, THEREFORE, IT MUST BE DONE ON A CLEAR DAY WHEN THE AIRPORT IS IN VISUAL FLIGHT RULES (VFR) CONDITIONS. DRILLING MUST SET UP SO THAT THE DRILL RIG JACKING PIT IS LOCATED ON THE NORTH SIDE OF RUNWAY 6-24 AND THE RECEIVING PIT IS LOCATED ON THE SOUTH SIDE.
- IF THE RUNWAY 6 ILS IS NEEDED WHILE THIS WORK IS BEING PERFORMED THE CONTRACTOR MUST RETURN THE WORK SITE TO ORIGINAL GRADES TO THE SATISFACTION OF THE RPR AND THE AIRPORT.

WORK AREA IV-B:

- WORK IN THIS AREA SHALL BE COMPLETED AT NIGHT
- DURATION: 7 CALENDAR DAYS
- WORK ITEMS: 500 LF PVC WATERPIPE (TURF)
- WORK INSIDE AOA BUT OUTSIDE RSA AND TOFA.
- TRENCHING IN THIS WORK AREA WILL BE DONE FROM INSIDE THE RUNWAY 6 GLIDESLOPE CRITICAL AREA, THEREFORE IT MUST BE DONE ON A CLEAR DAY WHEN THE AIRPORT IS IN VISUAL FLIGHT RULES (VFR) CONDITIONS. THE CONTRACTOR MUST RETURN THE WORK SITE TO ORIGINAL GRADES AT THE END OF EACH WORK SHIFT.
- IF THE RUNWAY 6 ILS IS NEEDED WHILE THIS WORK IS BEING PERFORMED THE CONTRACTOR MUST RETURN THE WORK SITE TO ORIGINAL GRADES TO THE SATISFACTION OF THE RPR AND THE AIRPORT.

WORK AREA V:

- MUST START AFTER LABOR DAY
- WORK IN THIS AREA SHALL BE COMPLETED AT NIGHT.
- DURATION: 24 CALENDAR DAYS (ON MADEQUECHAM VALLEY RD.), 7 CALENDAR DAYS (ON PRIVATE PROPERTIES)
- WORK ITEMS: 2800 LF PVC WATERPIPE (DIRT ROAD), 280 LF HDPE WATERPIPE (DIRECTIONALLY DRILLED), 3610 LF WATER SERVICE PIPE (DIRT/GRAVEL/SEASHELL DRIVEWAYS)
- ALL WORK ON MADEQUECHAM VALLEY RD. IS OUTSIDE OF AOA.
- MADEQUECHAM VALLEY ROAD BETWEEN GATE 29 AND GATE 28 WILL BE CLOSED TO THROUGH TRAFFIC.

WORK AREA VI:

- MUST START AFTER LABOR DAY
- WORK IN THIS AREA SHALL BE COMPLETED AT NIGHT.
- DURATION: 16 CALENDAR DAYS (ON MADEQUECHAM VALLEY RD.), 7 CALENDAR DAYS (ON PRIVATE PROPERTIES)
- WORK ITEMS: 1150 LF PVC WATERPIPE (DIRT ROAD), 470 LF HDPE WATERPIPE (DIRECTIONALLY DRILLED), 1300 LF WATER SERVICE PIPE (DIRT/GRAVEL/SEASHELL DRIVEWAYS)
- ALL WORK ON MADEQUECHAM VALLEY RD. IS OUTSIDE OF AOA.
- MADEQUECHAM VALLEY ROAD BETWEEN GATE 28 AND GATE 27 WILL BE CLOSED TO THROUGH TRAFFIC.

AIRPORT OPERATIONS AND SAFETY REQUIREMENTS

1. NORMAL AIRPORT OPERATIONS WILL BE CONDUCTED DURING CONSTRUCTION. THE CONTRACTORS WORK SHALL BE CARRIED ON IN SUCH A MANNER SO AS NOT TO INTERFERE WITH AIRPORT OPERATIONS. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO ENSURE THE SAFETY OF OPERATING AIRCRAFT AS WELL AS THEIR OWN EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN THE FAA APPROVED CONSTRUCTION SAFETY AND PHASING PLAN.
2. ALL CONTRACTOR VEHICLES SHALL HAVE A FLASHING BEACON, FLAG, AND THE COMPANY IDENTIFICATION PLAINLY VISIBLE ON BOTH SIDES OF THE VEHICLE IN ORDER TO IDENTIFY THE VEHICLE.
3. THE CONTRACTOR SHALL PROVIDE A COMPETENT SAFETY PERSON (WHO ALSO COULD BE THE SUPERINTENDENT OR OTHER SUPERVISORY PERSON FAMILIAR WITH AIRPORT SAFETY) TO MONITOR CONSTRUCTION ACTIVITIES. THIS INDIVIDUAL WILL BE RESPONSIBLE FOR MONITORING CONSTRUCTION ACTIVITIES AND PERSONNEL TO ENSURE THAT THEY ADHERE TO THE SAFETY REQUIREMENTS ESTABLISHED BY THE CONTRACT DOCUMENTS, THE SPCD, THE REGULATIONS AND REQUIREMENTS OF THE AIRPORT, FAA, AND OTHER APPLICABLE AGENCIES.
4. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND KEEP ALL HAUL ROUTES CLEAN OF FOREIGN OBJECT DEBRIS (F.O.D.). THE CONTRACTOR SHALL HAVE SWEEPING EQUIPMENT ON SITE AT ALL TIMES CAPABLE OF MEETING THE F.O.D. REQUIREMENT TO THE SATISFACTION OF THE ENGINEER.

CONSTRUCTION SET 11/29/21



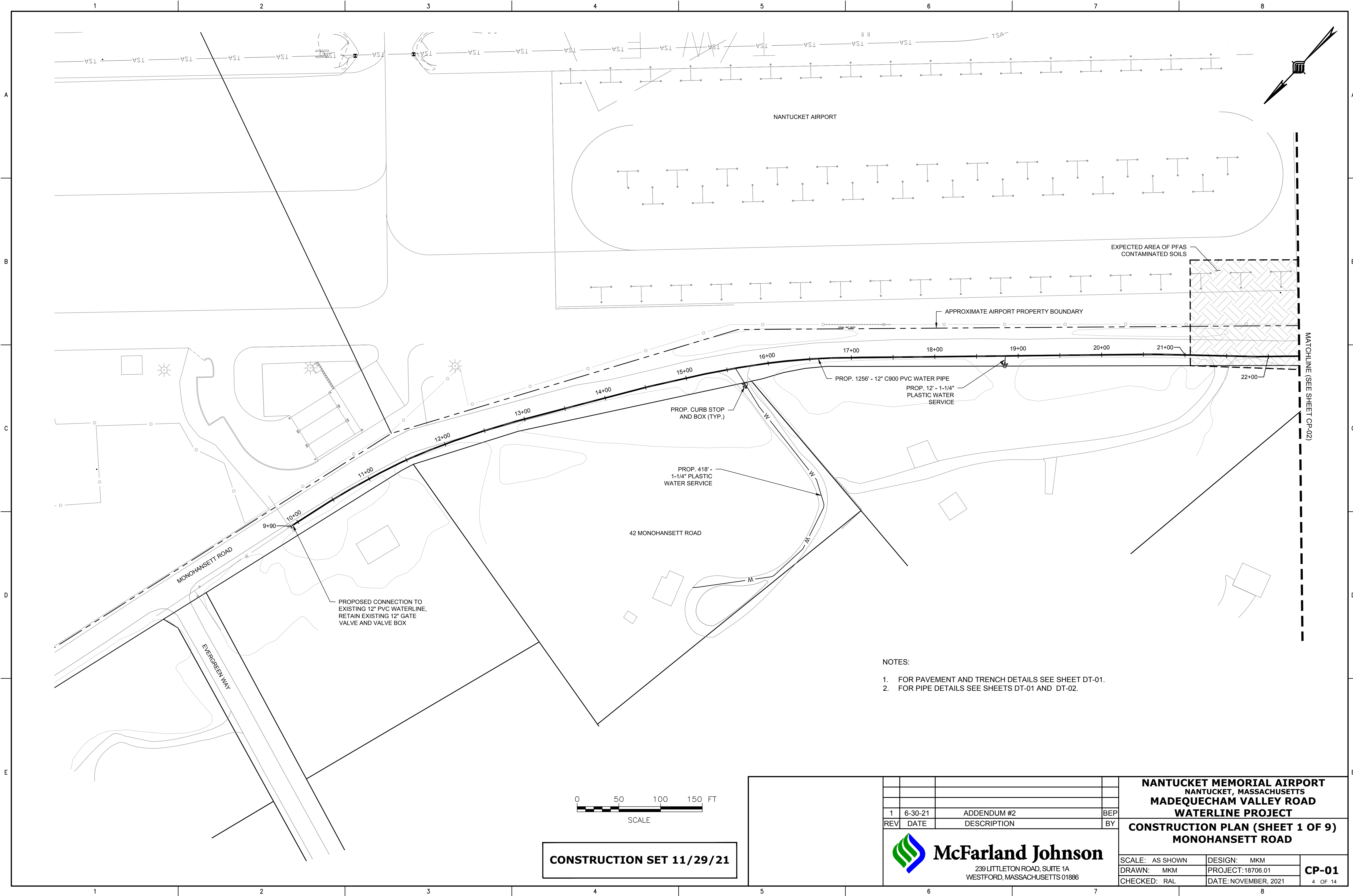
McFarland Johnson

239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

**NANTUCKET MEMORIAL AIRPORT
NANTUCKET, MASSACHUSETTS
MADEQUECHAM VALLEY ROAD
WATERLINE PROJECT**

**CONSTRUCTION SAFETY AND PHASING
PLAN**

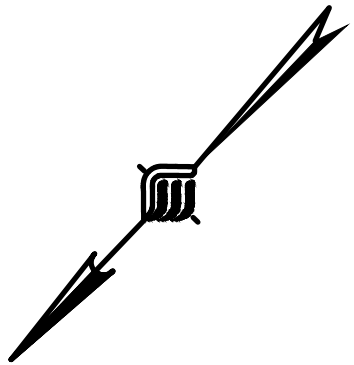
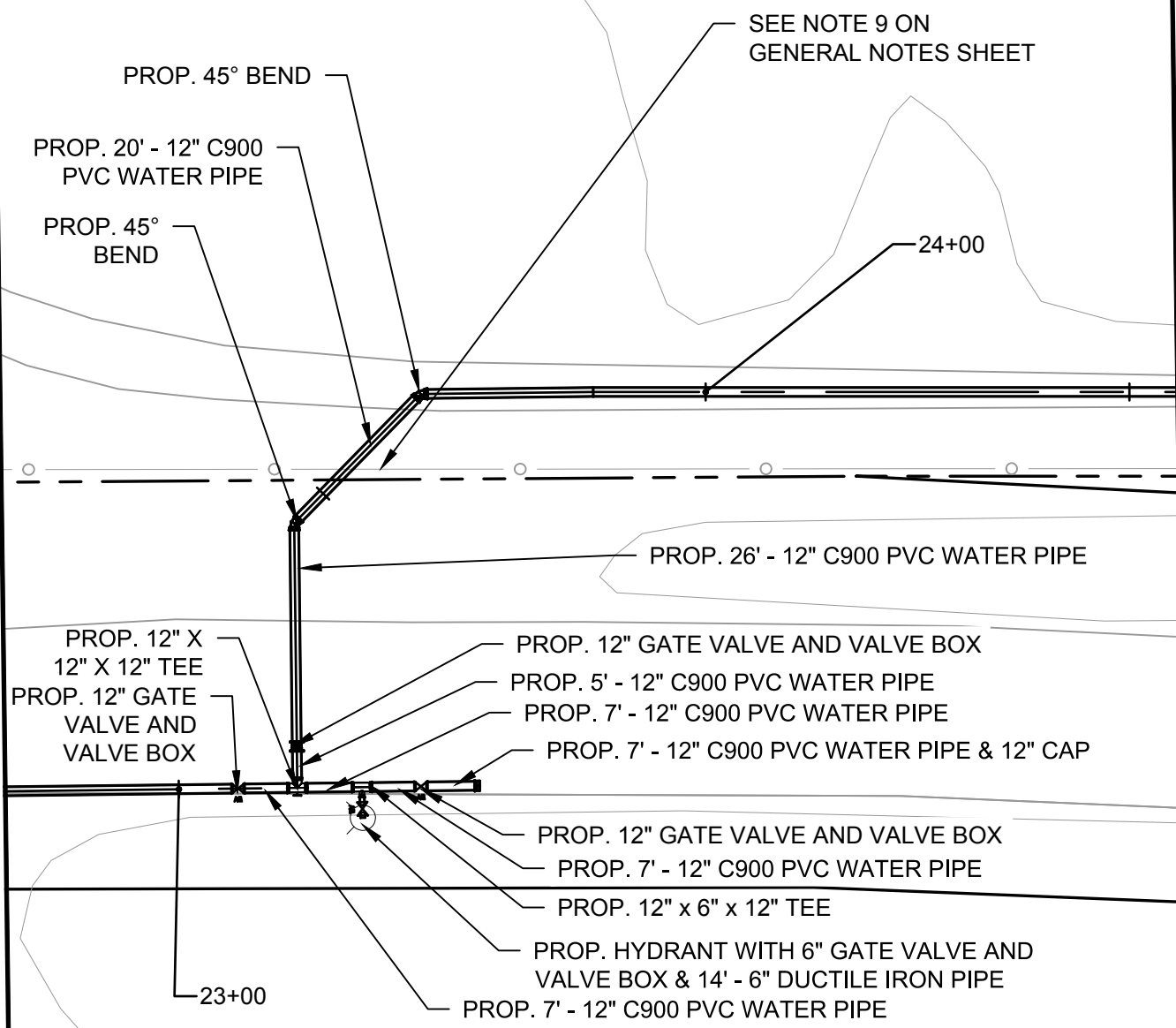
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CHECKED: RAL	DATE: NOVEMBER, 2021	



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DETAILED VIEW

1" = 20'

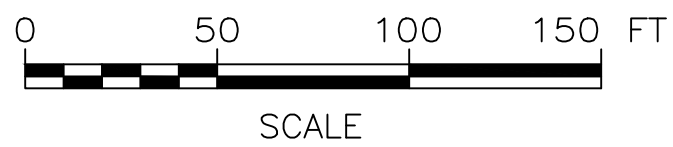


MATCHLINE (SEE SHEET CP-01)

MATCHLINE (SEE SHEET CP-03)


NOTES:

1. FOR PAVEMENT AND TRENCH DETAILS SEE SHEET DT-01.
2. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.



CONSTRUCTION SET 11/29/21

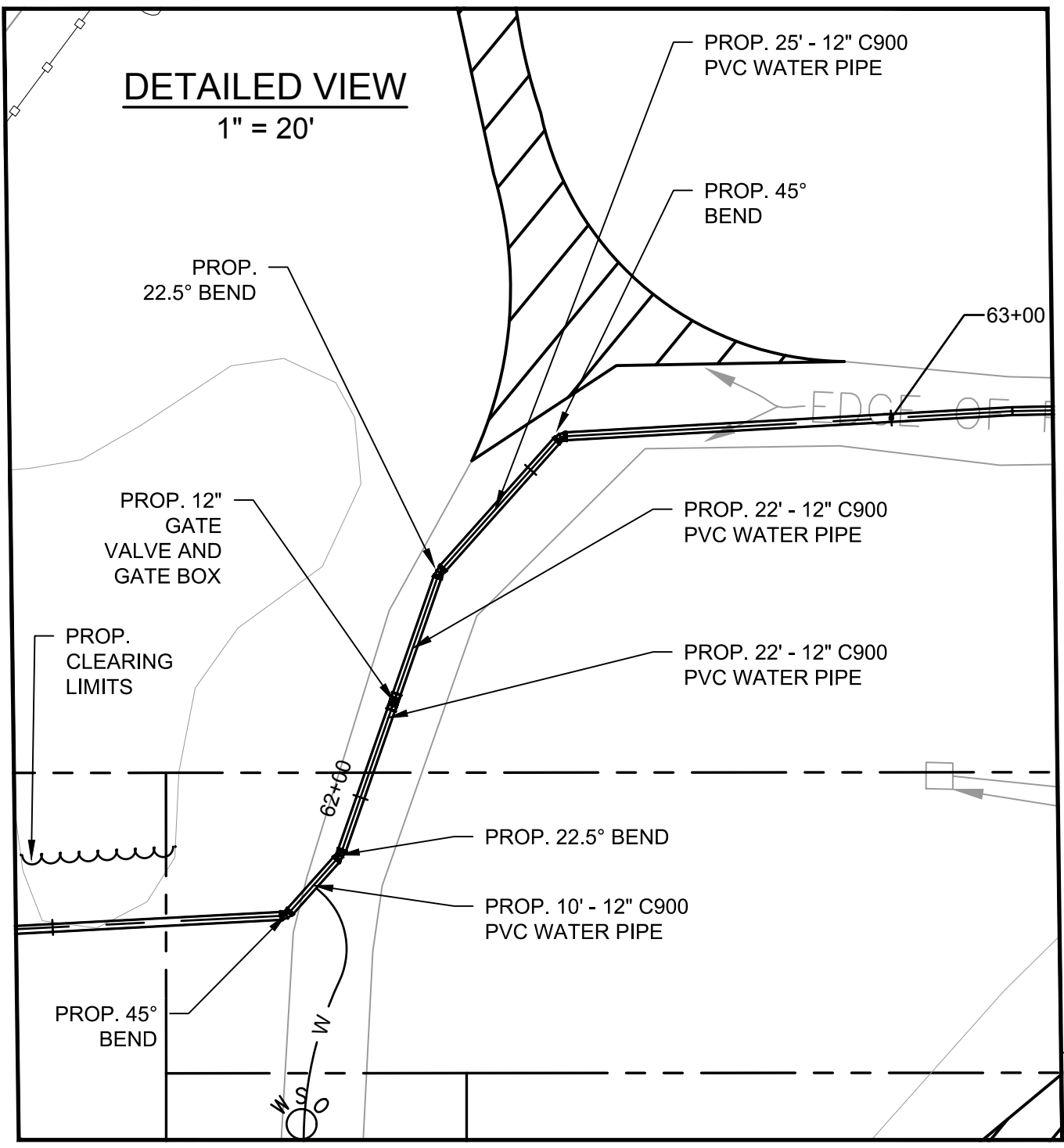
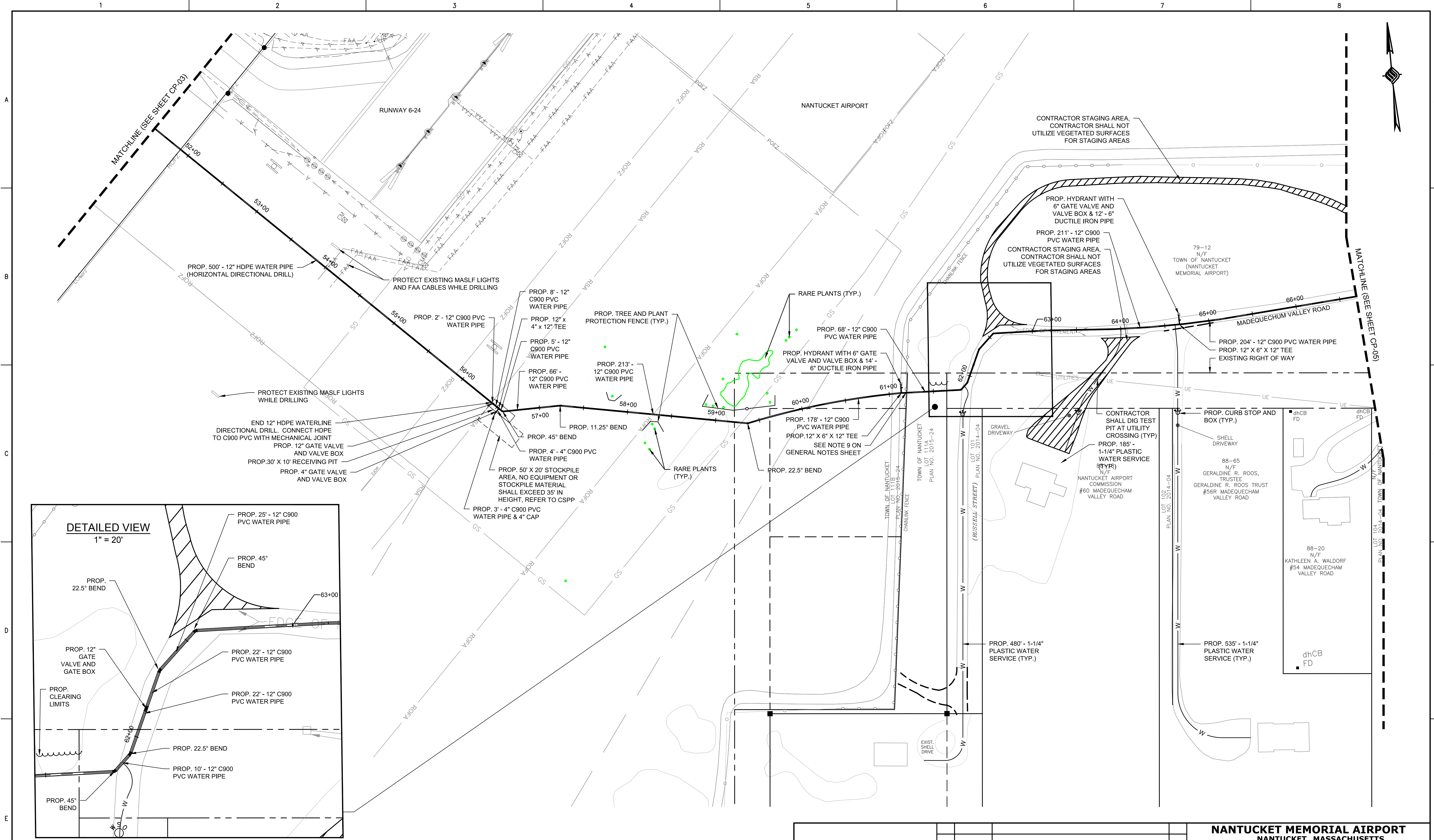
1	6-30-21	ADDENDUM #2	BEP
REV	DATE	DESCRIPTION	BY



McFarland Johnson
239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

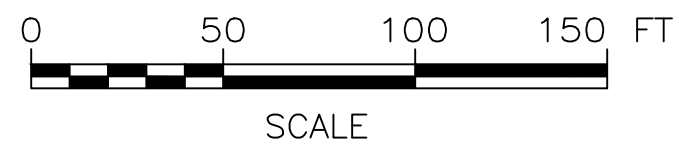
NANTUCKET MEMORIAL AIRPORT NANTUCKET, MASSACHUSETTS MADEQUECHAM VALLEY ROAD WATERLINE PROJECT		
CONSTRUCTION PLAN (SHEET 2 OF 9) NANTUCKET AIRPORT		
SCALE: AS SHOWN	DESIGN: MKM	CP-02 5 OF 14
DRAWN: MKM	PROJECT: 18706.01	
CHECKED: RAL	DATE: NOVEMBER, 2021	

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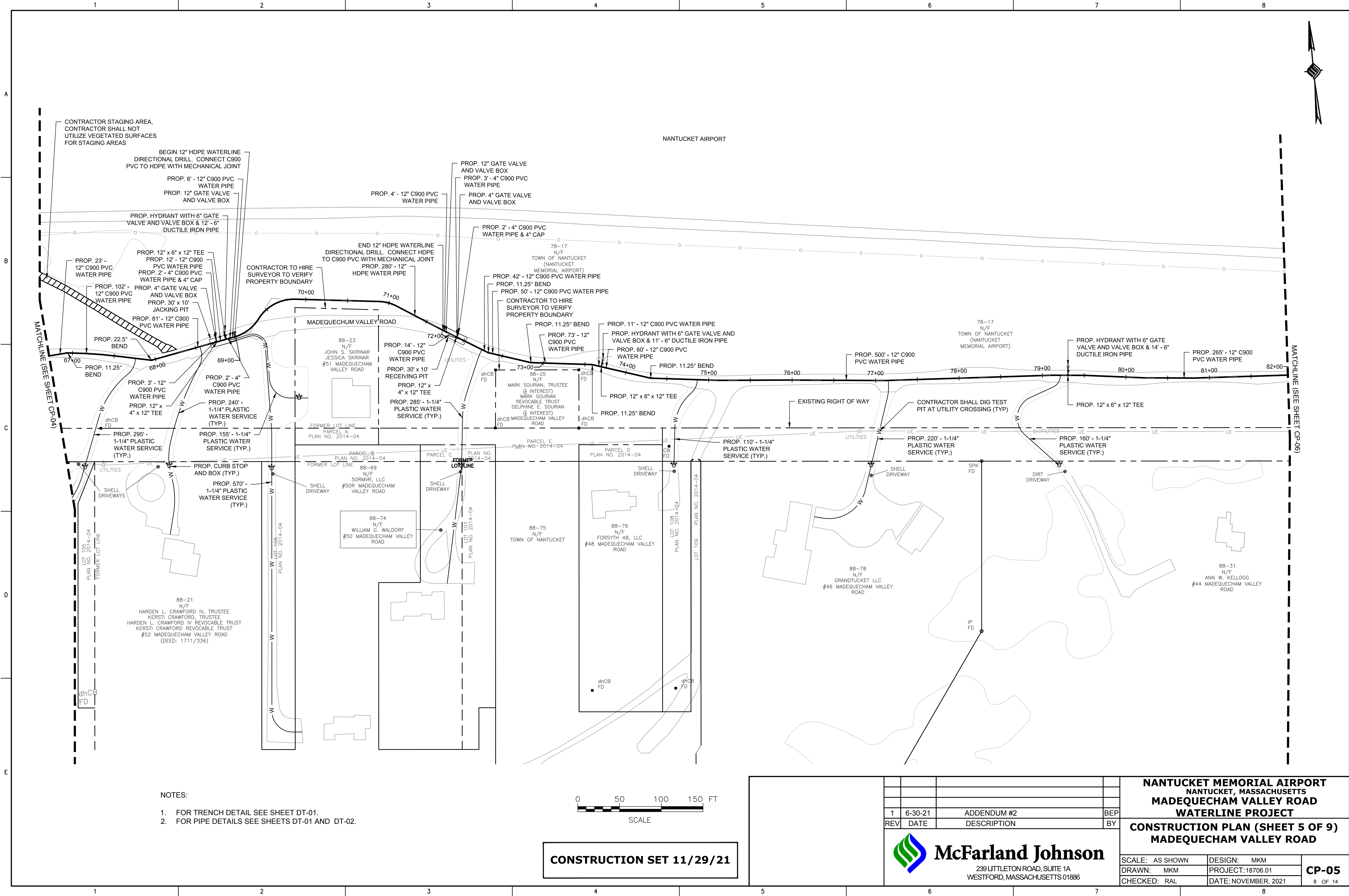
NOTE:

1. STA 56+60 TO STA 62+00 - LIMIT WIDTH OF TRENCH TO 4 FEET. SEE GENERAL NOTES FOR EQUIPMENT USE RESTRICTIONS AND OTHER LIMITATIONS WHILE WORKING IN THIS AREA.
2. FOR CONSTRUCTION SAFETY ON THE AIRPORT SEE CSPP IN PROJECT SPECIFICATIONS.
3. FOR TRENCH DETAIL SEE SHEET DT-01.
4. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.

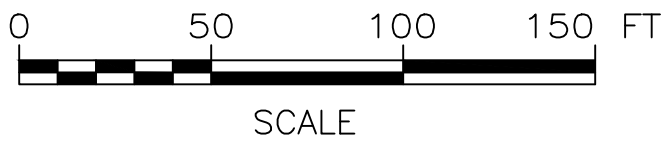


CONSTRUCTION SET 11/29/21

NANTUCKET MEMORIAL AIRPORT NANTUCKET, MASSACHUSETTS MADEQUECHAM VALLEY ROAD WATERLINE PROJECT CONSTRUCTION PLAN (SHEET 4 OF 9) NANTUCKET AIRPORT AND MADEQUECHAM VALLEY ROAD			
1	6-30-21	ADDENDUM #2	BEP
REV	DATE	DESCRIPTION	BY
		McFarland Johnson 239 LITTLETON ROAD, SUITE 1A WESTFORD, MASSACHUSETTS 01886	
SCALE: AS SHOWN		DESIGN: MKM	CP-04 7 OF 14
DRAWN: MKM		PROJECT: 18706.01	
CHECKED: RAL		DATE: NOVEMBER, 2021	

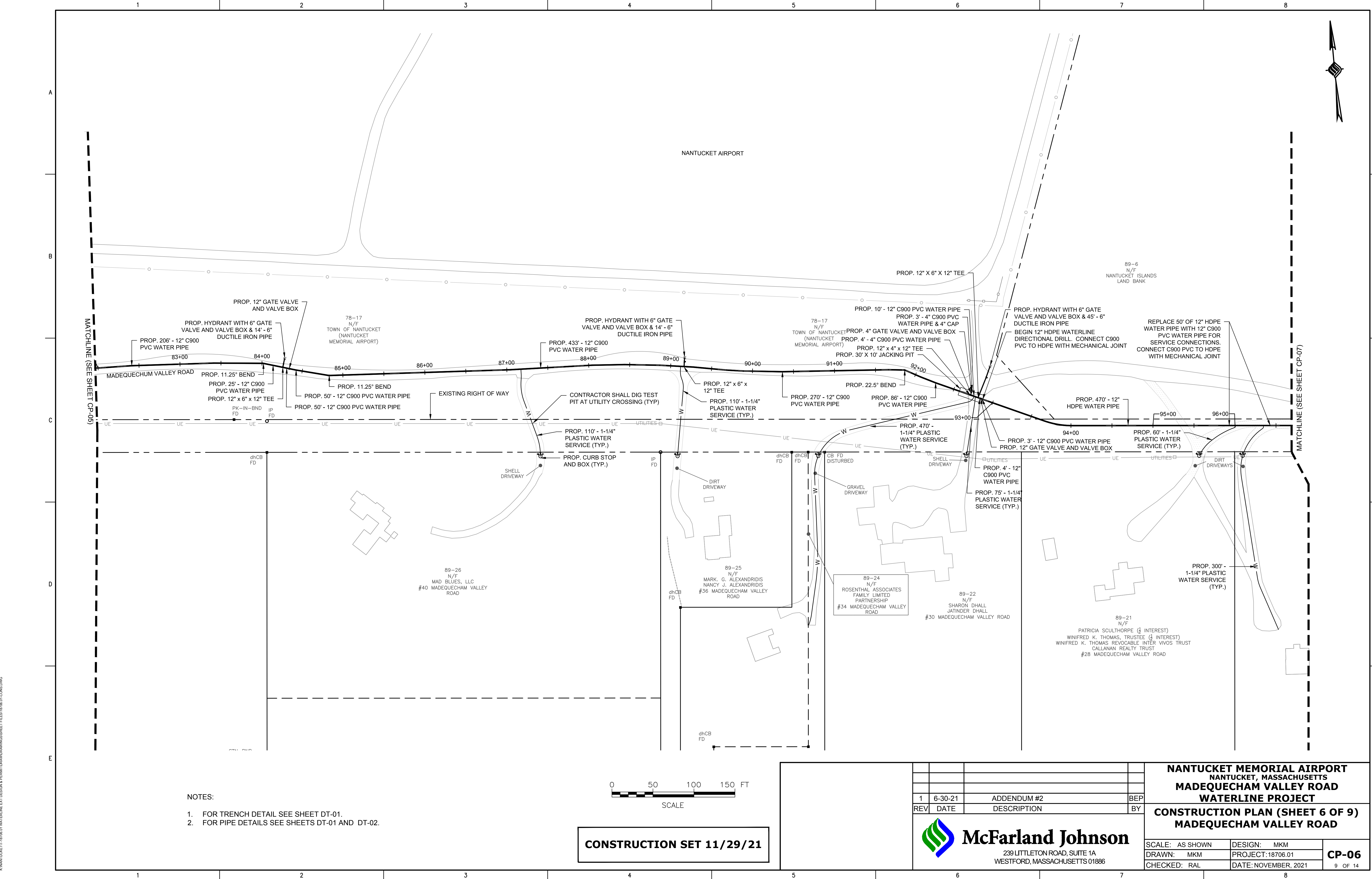


- NOTES:
- 1. FOR TRENCH DETAIL SEE SHEET DT-01.
 - 2. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.



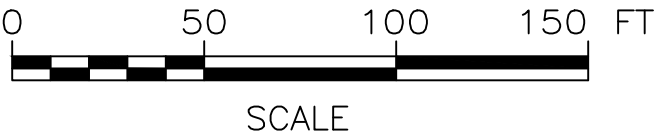
CONSTRUCTION SET 11/29/21

NANTUCKET MEMORIAL AIRPORT NANTUCKET, MASSACHUSETTS MADEQUECHAM VALLEY ROAD WATERLINE PROJECT			
CONSTRUCTION PLAN (SHEET 5 OF 9) MADEQUECHAM VALLEY ROAD			
SCALE: AS SHOWN		DESIGN: MKM	
DRAWN: MKM		PROJECT: 18706.01	
CHECKED: RAL		DATE: NOVEMBER, 2021	
CP-05			8 OF 14



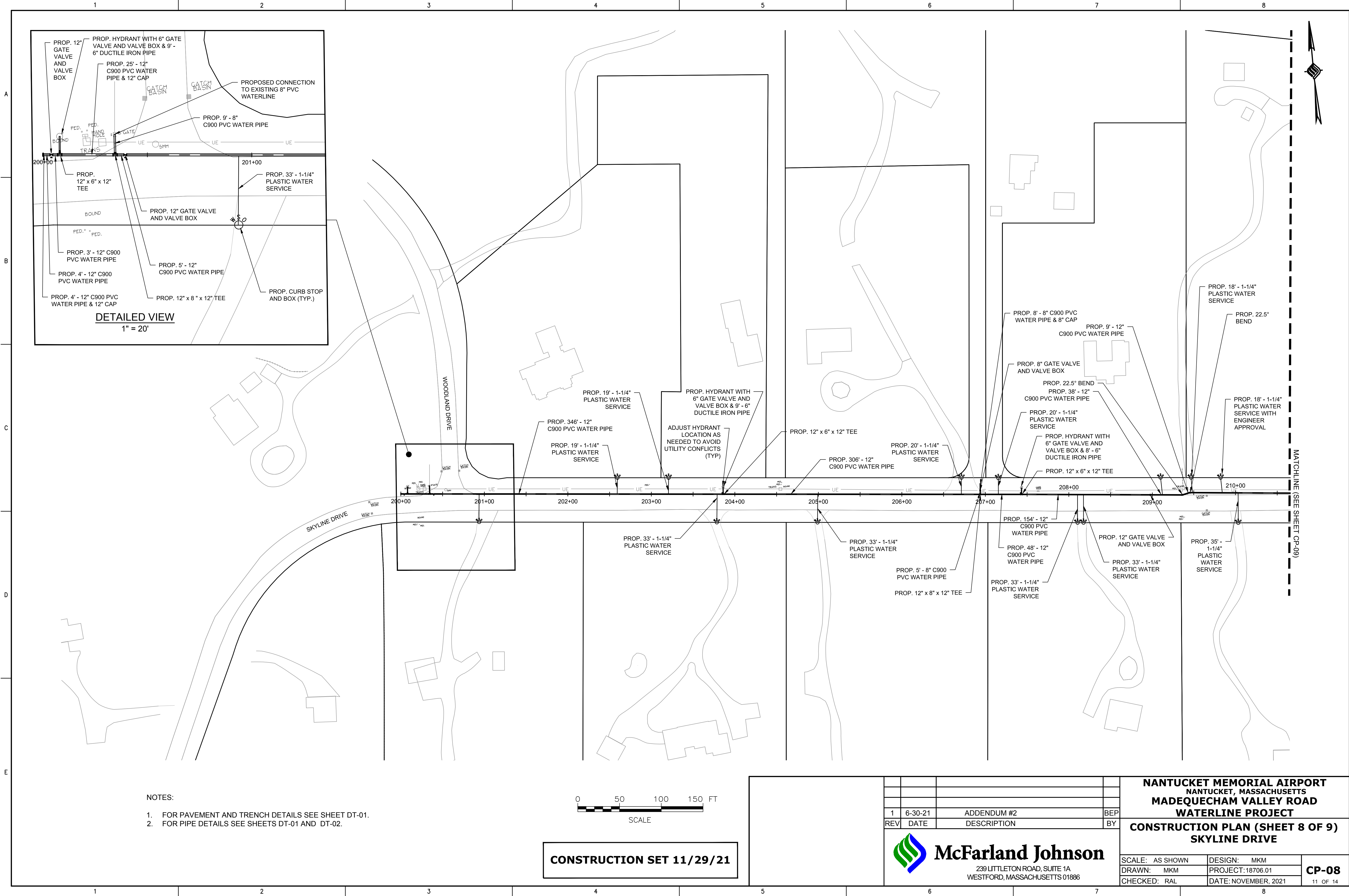
NOTES:

- 1. FOR TRENCH DETAIL SEE SHEET DT-01.
- 2. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.

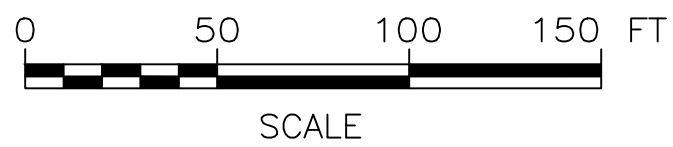


CONSTRUCTION SET 11/29/21

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<div><div>CHECKED: RAL</div><div>DATE: NOVEMBER, 2021</div></div>					



- NOTES:
- 1. FOR PAVEMENT AND TRENCH DETAILS SEE SHEET DT-01.
 - 2. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.



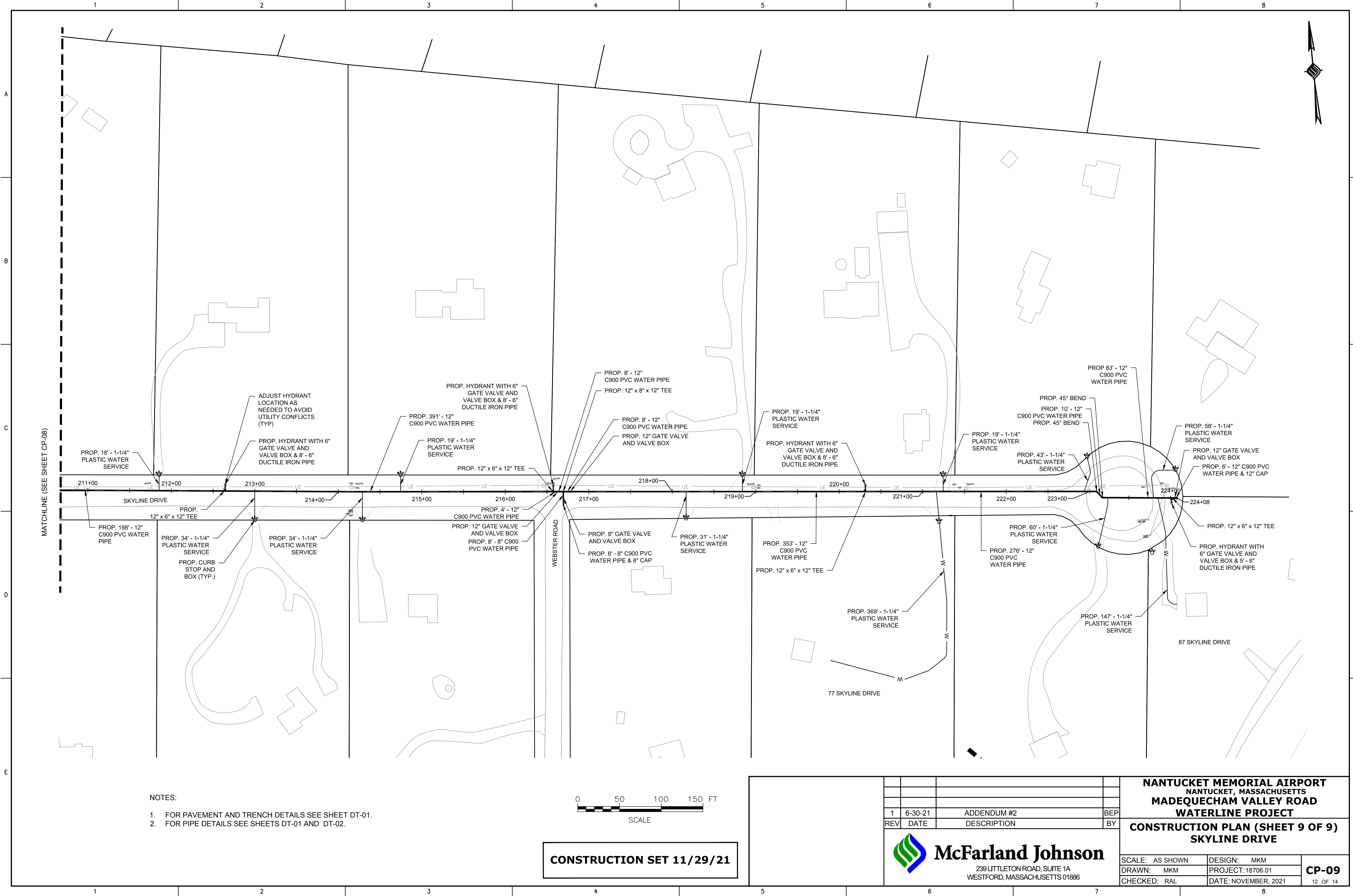
CONSTRUCTION SET 11/29/21

1	6-30-21	ADDENDUM #2	BEP
REV	DATE	DESCRIPTION	BY

McFarland Johnson
239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

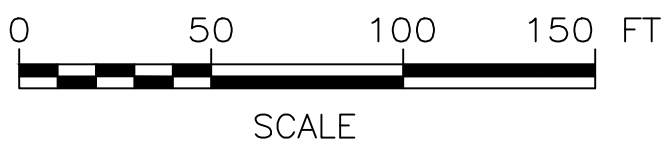
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CONSTRUCTION PLAN (SHEET 8 OF 9) SKYLINE DRIVE		
SCALE: AS SHOWN	DESIGN: MKM	CP-08 11 OF 14
DRAWN: MKM	PROJECT: 18706.01	
CHECKED: RAL	DATE: NOVEMBER, 2021	

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NOTES:

1. FOR PAVEMENT AND TRENCH DETAILS SEE SHEET DT-01.
2. FOR PIPE DETAILS SEE SHEETS DT-01 AND DT-02.

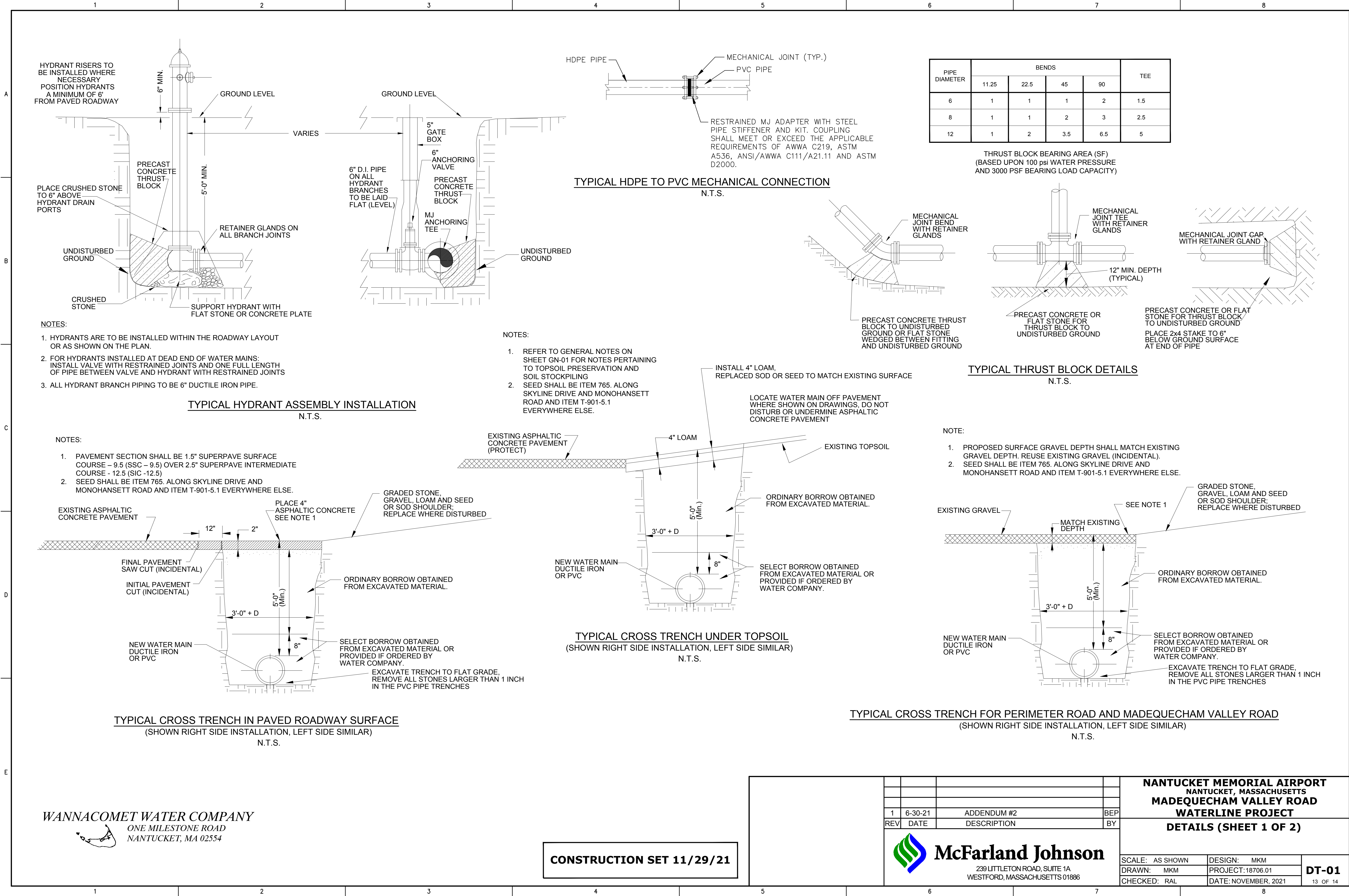


CONSTRUCTION SET 11/29/21

1	6-30-21	ADDENDUM #2	BEP
REV	DATE	DESCRIPTION	BY

**McFarland Johnson**
239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

NANTUCKET MEMORIAL AIRPORT NANTUCKET, MASSACHUSETTS MADEQUECHAM VALLEY ROAD WATERLINE PROJECT		
CONSTRUCTION PLAN (SHEET 9 OF 9) SKYLINE DRIVE		
SCALE: AS SHOWN	DESIGN: MKM	CP-09 12 OF 14
DRAWN: MKM	PROJECT: 18706.01	
CHECKED: RAL	DATE: NOVEMBER, 2021	



WANNACOMET WATER COMPANY
ONE MILESTONE ROAD
NANTUCKET, MA 02554

CONSTRUCTION SET 11/29/21

McFarland Johnson
239 LITTLETON ROAD, SUITE 1A
WESTFORD, MASSACHUSETTS 01886

NANTUCKET MEMORIAL AIRPORT
NANTUCKET, MASSACHUSETTS
MADEQUECHAM VALLEY ROAD
WATERLINE PROJECT
DETAILS (SHEET 1 OF 2)

SCALE: AS SHOWN	DESIGN: MKM	DT-01 13 OF 14
DRAWN: MKM	PROJECT: 18706.01	
CHECKED: RAL	DATE: NOVEMBER, 2021	

