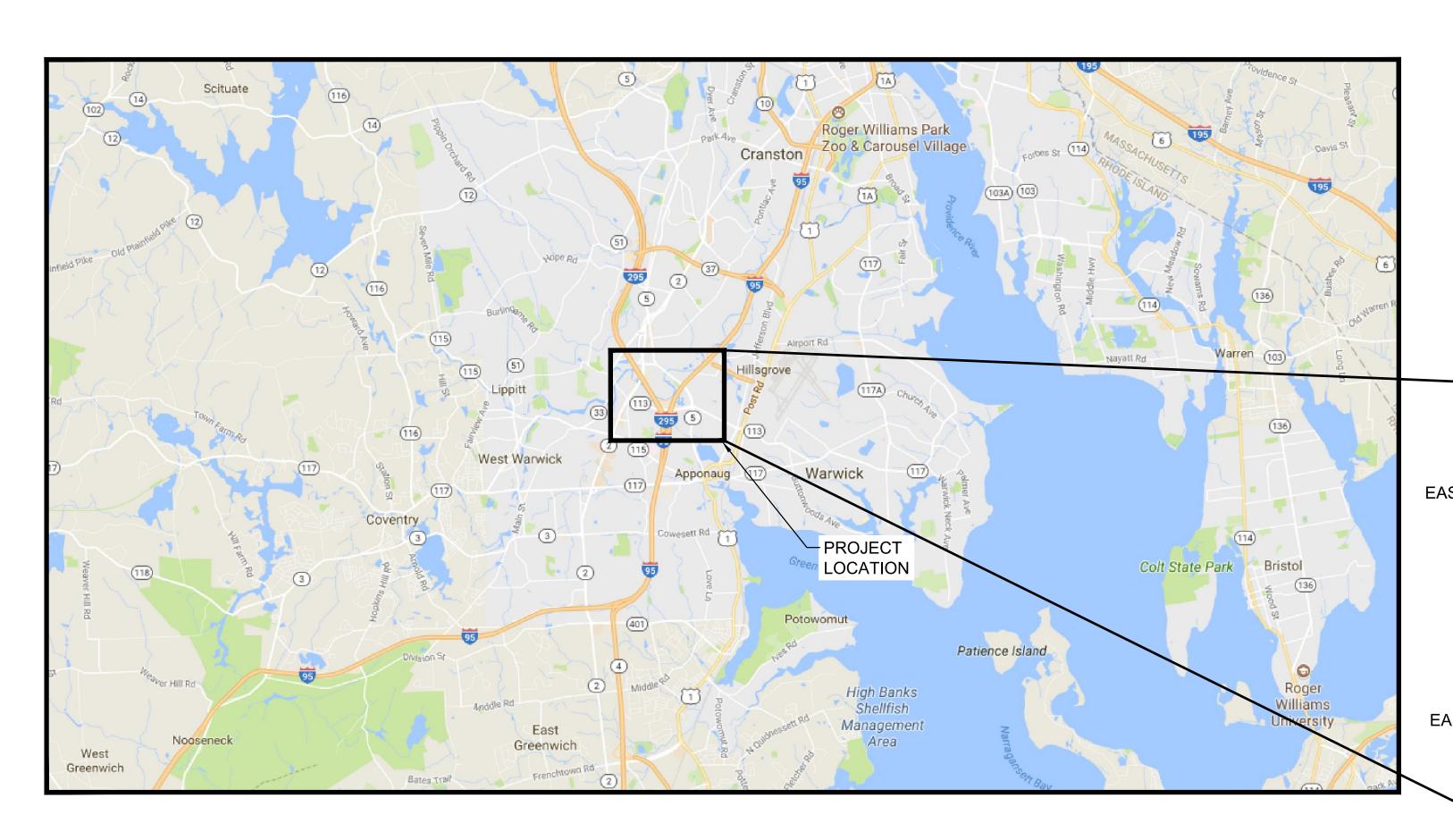
2

EAST NATICK I, EAST NATICK II, AND KNIGHT STREET PUMP STATION UPGRADES

CONTRACT NO: 97

WARWICK SEWER AUTHORITY - WARWICK, RI



SHEET DWG DESCRIPTION

1 G-1 TITLE SHEET & INDEX OF DRAWINGS
2 C-1 KNIGHT STREET PUMP STATION SITE WORK & GENERAL NOTES
3 C-2 EAST NATICK II PUMP STATION DEMOLITION WORK
4 C-3 EAST NATICK II PUMP STATION NEW WORK
5 D-1 SITE DETAILS
6 M-1 EAST NATICK I PUMP STATION DEMOLITION WORK
7 M-2 EAST NATICK I PUMP STATION NEW WORK
8 M-3 KNIGHT STREET PUMP STATION DEMOLITION WORK
9 M-4 KNIGHT STREET PUMP STATION NEW WORK
10 M-5 KNIGHT STREET PUMP STATION NEW WORK
11 S-1 ELEVATED PLATFORM AND MISCELLANEOUS DETAILS
12 S-2 ROOF UPGRADES EAST NATICK I PUMP STATION
13 E-1 ELECTRICAL DEMO - EAST NATICK II PUMP STATION
14 E-2 EAST NATICK II PUMP STATION NEW WORK & NOTES
15 E-3 EAST NATICK I PUMP STATION DETAILS

EAST NATICK II

Warwick Mall Control State Home Con

LOCUS MAP

SCALE 1"=1 MILE

PROJECT LOCATIONS
SCALE 1"=1000'

WARWICK SEWER AUTHORITY

JANINE BURKE-WELLS

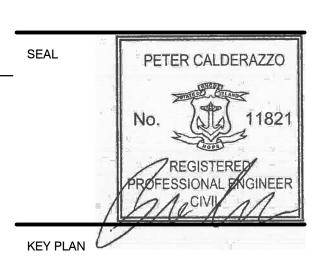
EXECUTIVE DIRECTOR



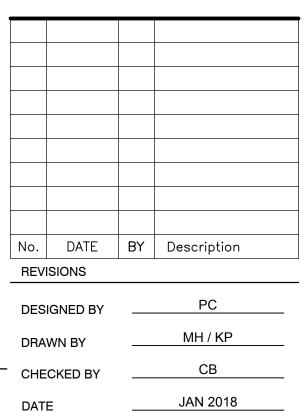
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SCA



TITLE SHEET & INDEX OF DRAWINGS

PROJECT NO. 50092430

G-1

SHEET NO. 1 OF

JANUARY 2018

4TEE & CAP-

EL. 18.65

7.33

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

EXIST. 8

CG" KICK PLATE

-- EL. 17.00 - PUMP ON

EL. 15.00 - PUMP OFF

EL. 14.50 LOW WATER ALARM

EX. WET WELL SECTION

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

EL. 17.80 - HIGH WATER ALARM

ST. 16" C.I. PIPE

50



PHOTO OF EX. GOOSENECK VENTS
SCALE: NTS



PHOTO OF EX. WET WELL TOP SCALE: NTS

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CALL DIGSAFE AT 811 OR 1-888-DIG-SAFE AT LEAST 72 HOURS, SATURDAYS AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
- 2. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND LIMITS OF WORK SHALL BE RESTORED TO PRE-EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- 3. UNLESS OTHERWISE INDICATED, CONCRETE USED FOR PIPE ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES, AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- 4. THE CONTRACTOR SHALL FIELD VERIFY OUTSIDE DIAMETERS OF ALL EXISTING PIPE BEFORE PURCHASING ANY COUPLINGS FOR CONNECTING NEW PIPING WITH EXISTING PIPING.
- 5. THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE ACTUAL AS—BUILT LOCATIONS AND DIMENSIONS OF THE WORK AS SPECIFIED IN SPECIFICATION SECTION 01736.
- 6. SEE SPECIFICATION SECTION 01060 FOR PERMITTING REQUIREMENTS.
- 7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EXCAVATION SUPPORT DURING THE CONSTRUCTION OF THE BYPASS MANHOLE, PIPING & OTHER STRUCTURES AS DESCRIBED IN SPECIFICATION SECTION 02223.
- 8. ALL EXCESS EXCAVATED SOILS AND DEWATERED SEDIMENT SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- 9. ALL NEW BURIED PIPE, VALVES AND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT.
- 10. THE LOCATION OF PIPES, CAPS, REDUCERS, BENDS, AND OTHER FITTINGS AT POINTS OF CONNECTIONS TO EXISTING MAINS IS APPROXIMATE. THE CONTRACTOR SHALL DIG A TEST PIT AT EACH LOCATION TO DETERMINE THE DIAMETER AND MATERIAL OF THE EXISTING PIPE AND THE LOCATION OF THE TIE—IN POINT.
- 11. ELEVATIONS REFERENCED ARE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1988.
- 12. ALL GRASS AREAS DISTURBED BY THE CONSTRUCTION WITHIN THE LIMIT OF WORK SHALL BE RESTORED IN ACCORDANCE WITH SECTION 02800 UNLESS OTHERWISE NOTED
- 13. ALL SITE PLANS WERE DEVELOPED USING GIS AND AVAILABLE RECORDS AND ARE NOT WARRANTED TO BE CORRECT.
- 14. THE EXISTING PUMP STATION IS LOCATED OFF KNIGHT STREET AND IS ACCESSIBLE BY A PAVED ROADWAY.
- 15. BASED ON AVAILABLE DATA, GROUNDWATER LEVELS ARE ESTIMATED TO BE APPROXIMATELY 5 FEET BELOW GRADE.

DEMOLITION NOTES:

- 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING CONCRETE AND GOOSENECK VENTS, COMPLETE AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH SECTION 02050.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING PIPING AND ELECTRICAL WORK AS REQUIRED TO CONDUCT THE DEMOLITION WORK...

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10TH FLOOR

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SEWER

KEY PLAN

No. DATE BY Description

REVISIONS

DESIGNED BY PC

DRAWN BY MH / KP

CHECKED BY CB

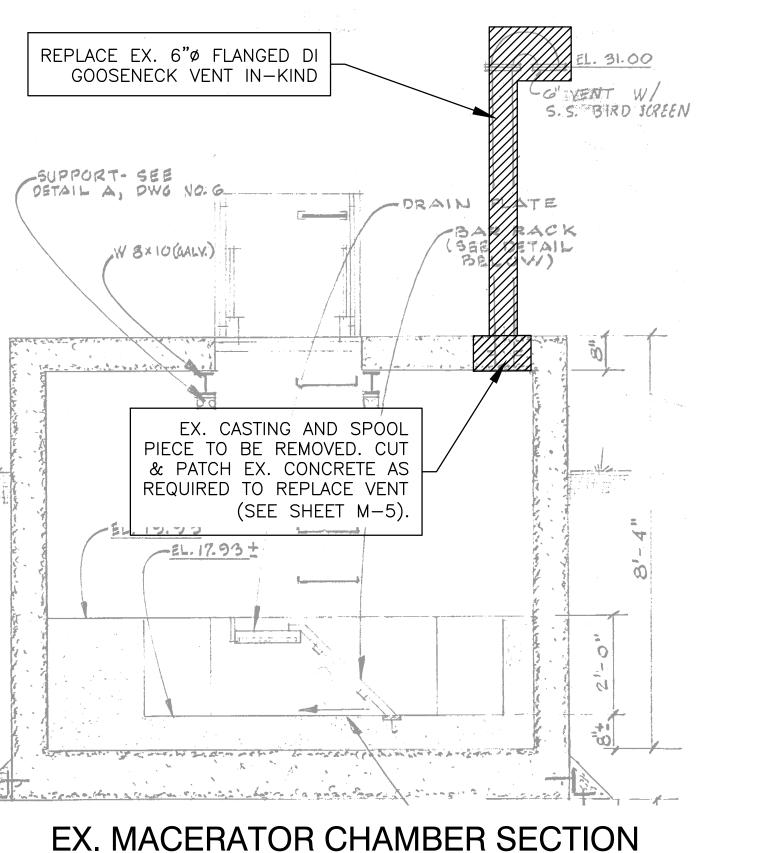
DATE JAN 2018

KNIGHT STREET
PUMP STATION
SITE WORK &
GENERAL NOTES

PROJECT NO. 50092430

C-1

SHEET NO. 2 OF 1



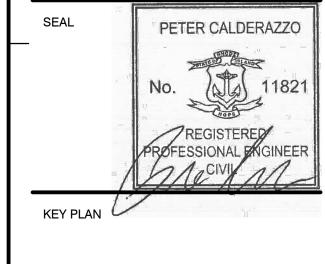
HEAVY DUTY CAST IRON FRAME -AND COVER HAVING A MIN. INSIDE CLEARANCE OF 24" FINISHED GRADE CASTING TO BE SET-IN FULL BED OF - ADJUST TO GRADE WITH CEMENT MORTAR COURSES OF BRICK AND MORTAR. (2 COURSES MIN, 4 COURSES MAX) 6'ø PRECAST **MANHOLE** 6" GODWIN HOSE ADAPTER (FL X HOSE END) 6" D.I. PIPE-10" (FL X FL) 1" CORPORATION -6" D.I. PIPE FLEXIBLE RUBBER CONNECTOR **.**0 6" D.I. FLANGED ELBOW UNDISTURBED MATERIAL -

1 BYPASS MANHOLE DETAIL
SCALE: NTS

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SCALE

C STATION

→ Ç WETWELL

10'-0"

No. DATE BY Description **REVISIONS**

DESIGNED BY DRAWN BY

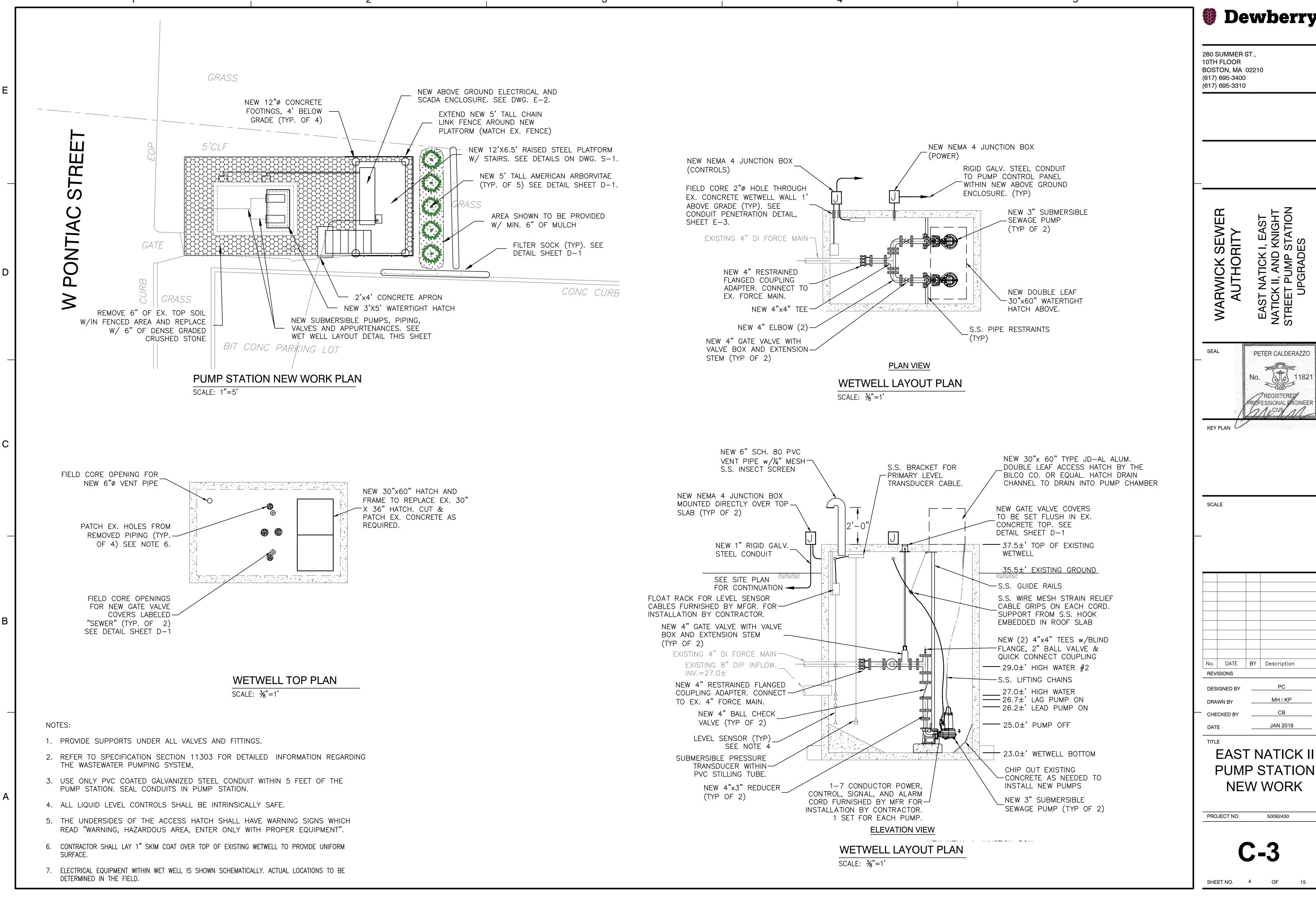
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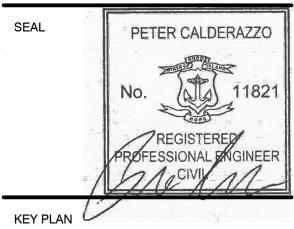
EAST NATICK II PUMP STATION **DEMOLITION WORK**

PROJECT NO.

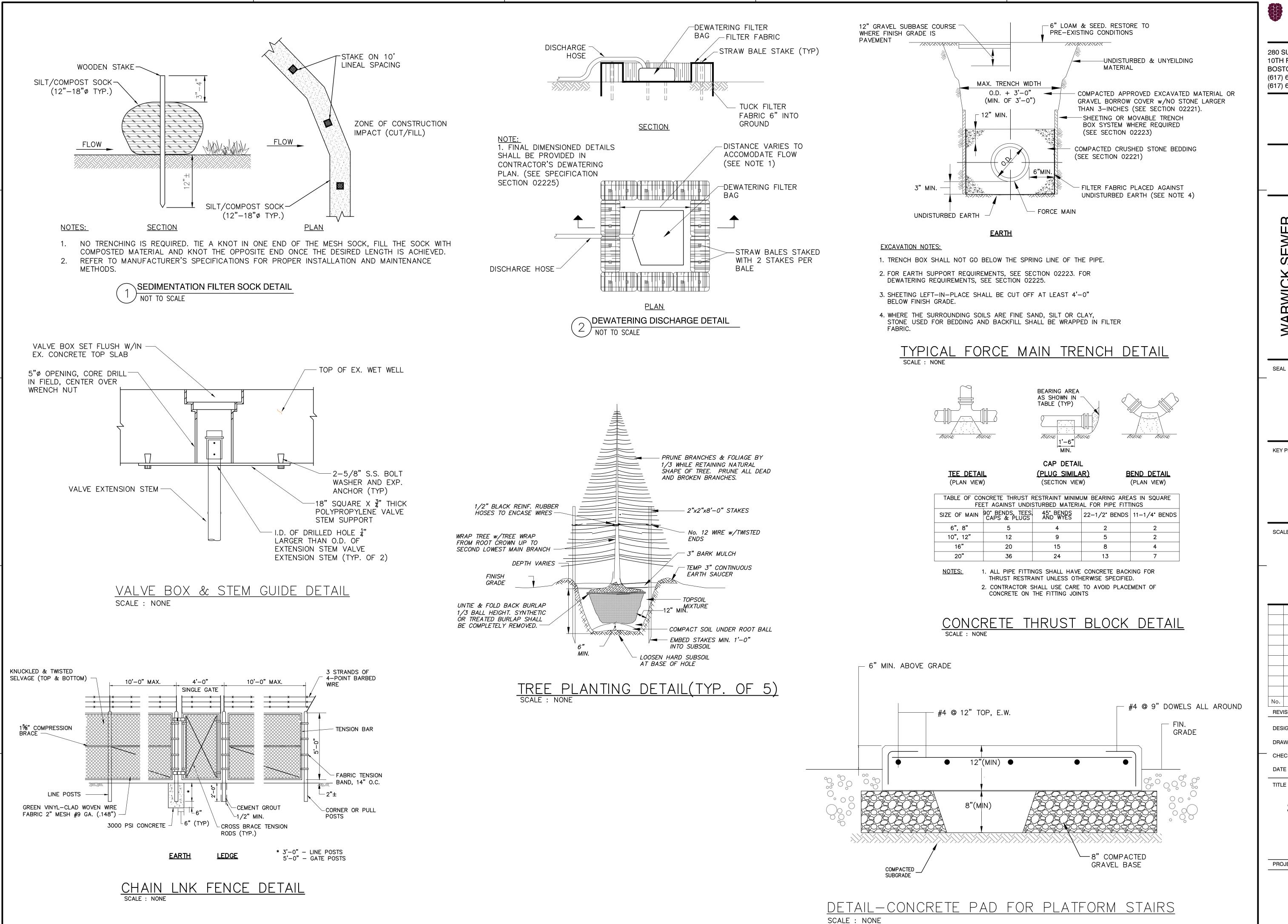
SHEET NO. 3 OF



Dewberry*



PUMP STATION **NEW WORK**

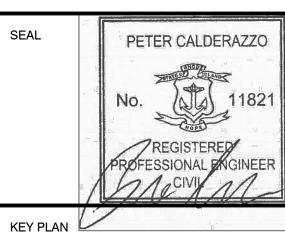


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> SEWE WARWICK & AUTHOF



No. DATE BY Description REVISIONS

DESIGNED BY MH / KP DRAWN BY CHECKED B ____JAN 2018

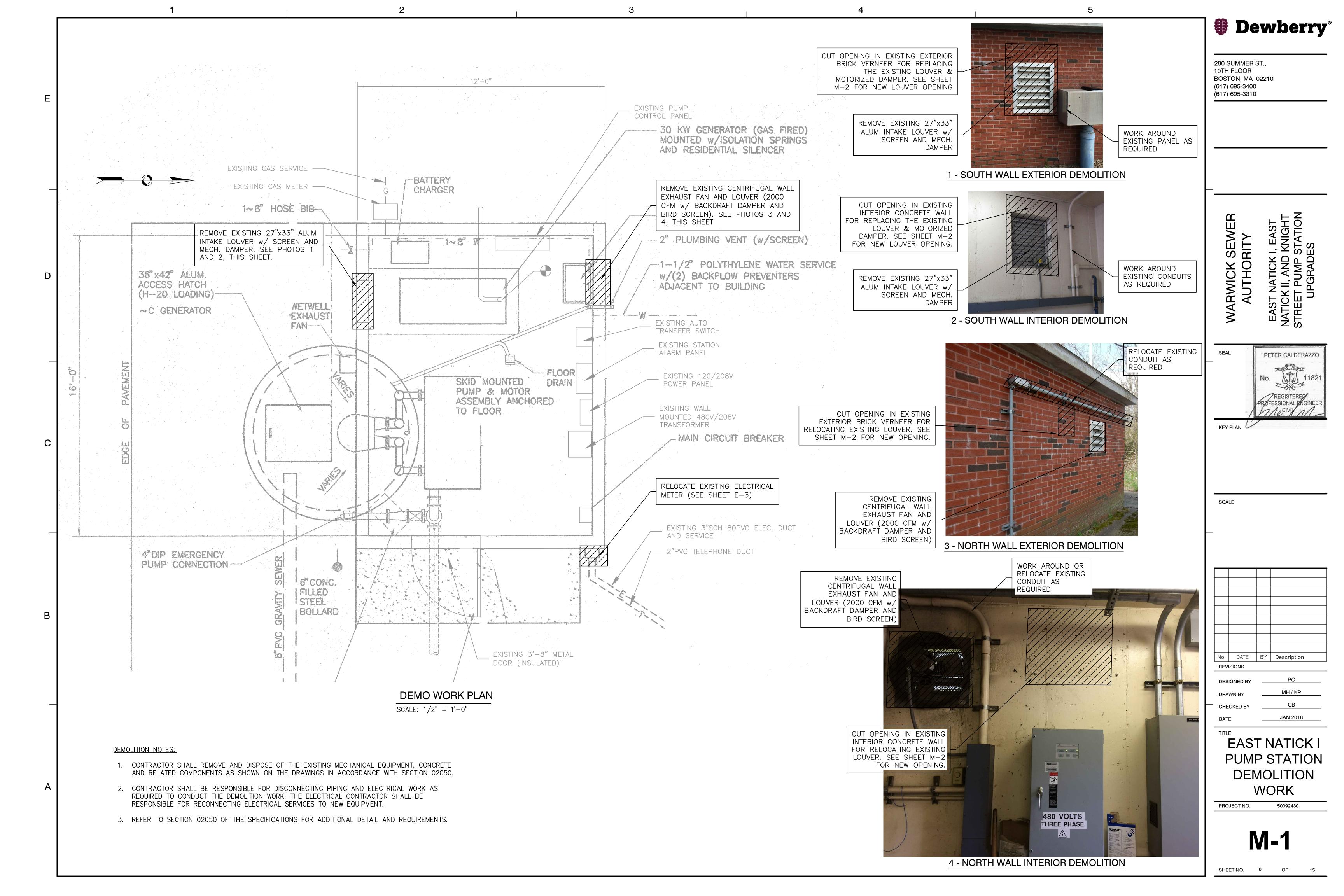
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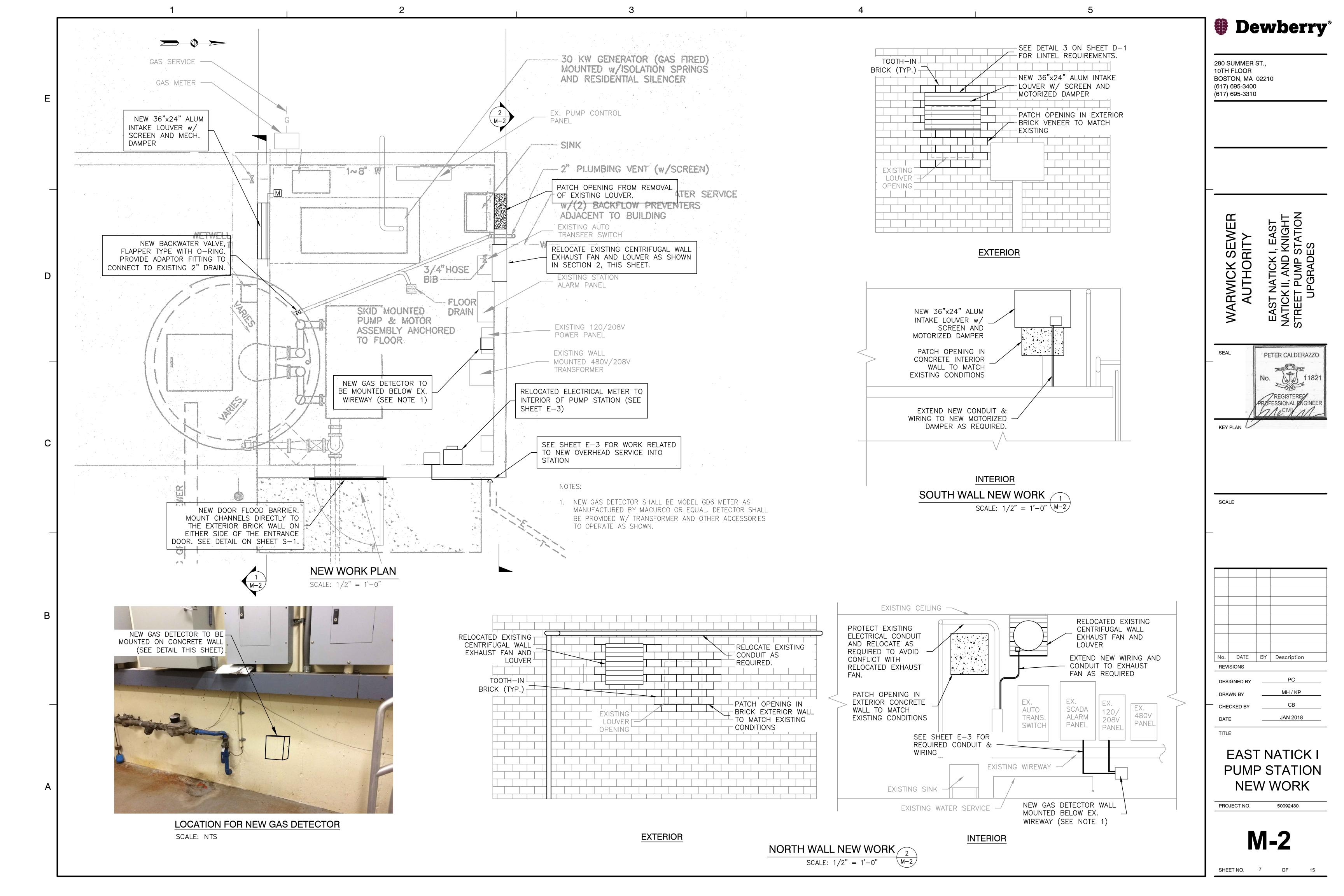
SITE DETAILS

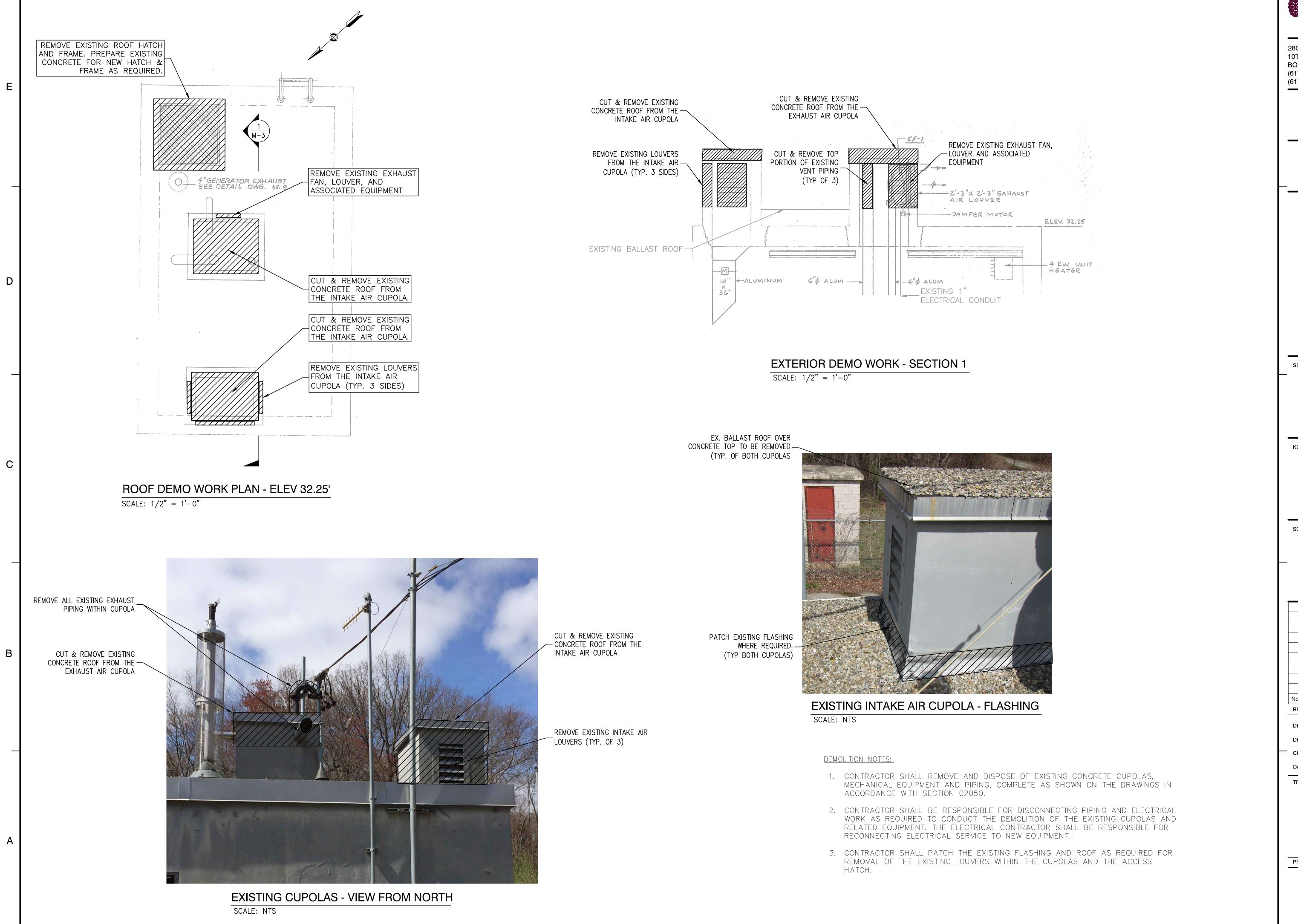
PROJECT NO. 50092430

D-1

SHEET NO. 5 OF 15





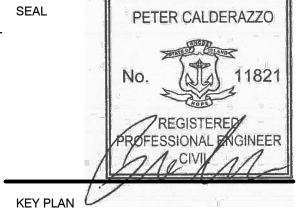


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AUTHORITY
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EAST NATION II, NATION III, STREET PU



SCALE

No. DATE BY Description

REVISIONS

DESIGNED BY PC

DRAWN BY MH / KP

CHECKED BY CB

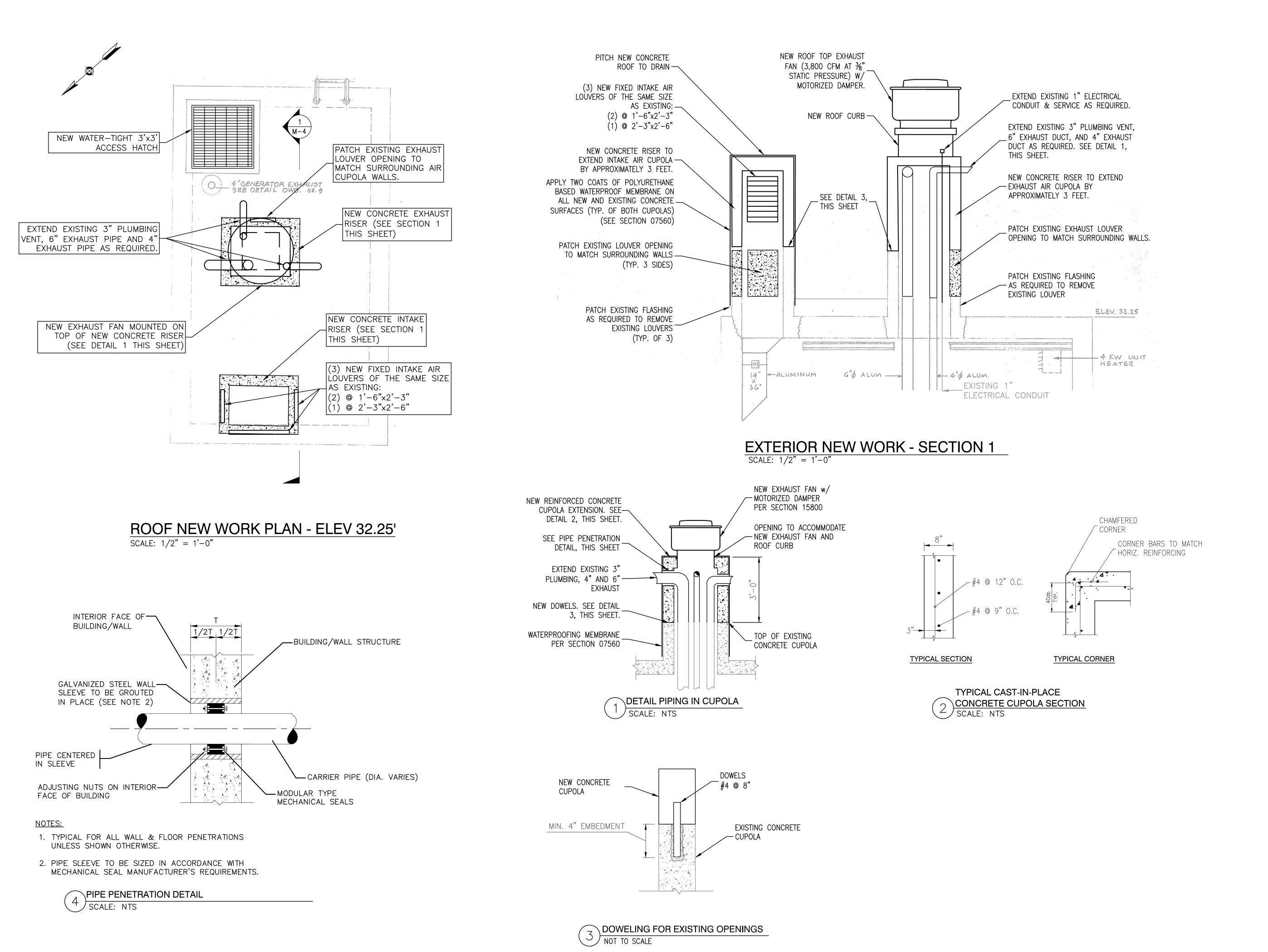
KNIGHT STREET
PUMP STATION
DEMOLITION
WORK

JAN 2018

PROJECT NO. 50092430

M-3

SHEET NO. 8 OF 15



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SCALE

No. DATE BY Description **REVISIONS**

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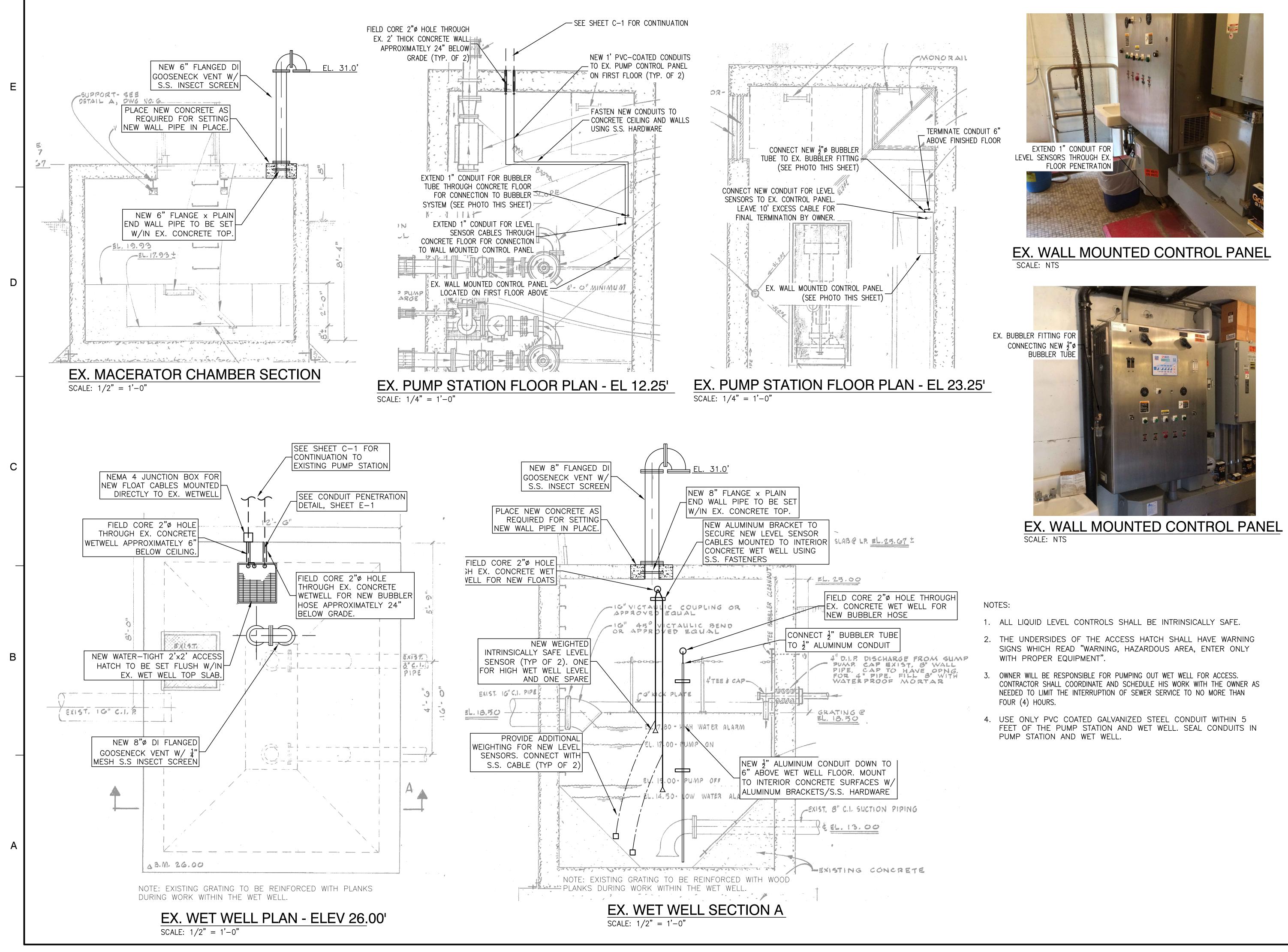
KNIGHT STREET PUMP STATION **NEW WORK**

____JAN 2018

PROJECT NO. 50092430

M-4

SHEET NO. 9 OF 15

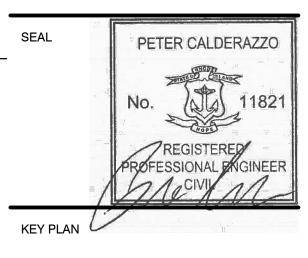




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> ARWICK SEWER AUTHORITY

EAST NATICK I,
NATICK II, AND K
STREET PUMP ST
UPGRADES



SCALE

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DESIGNED BY PC

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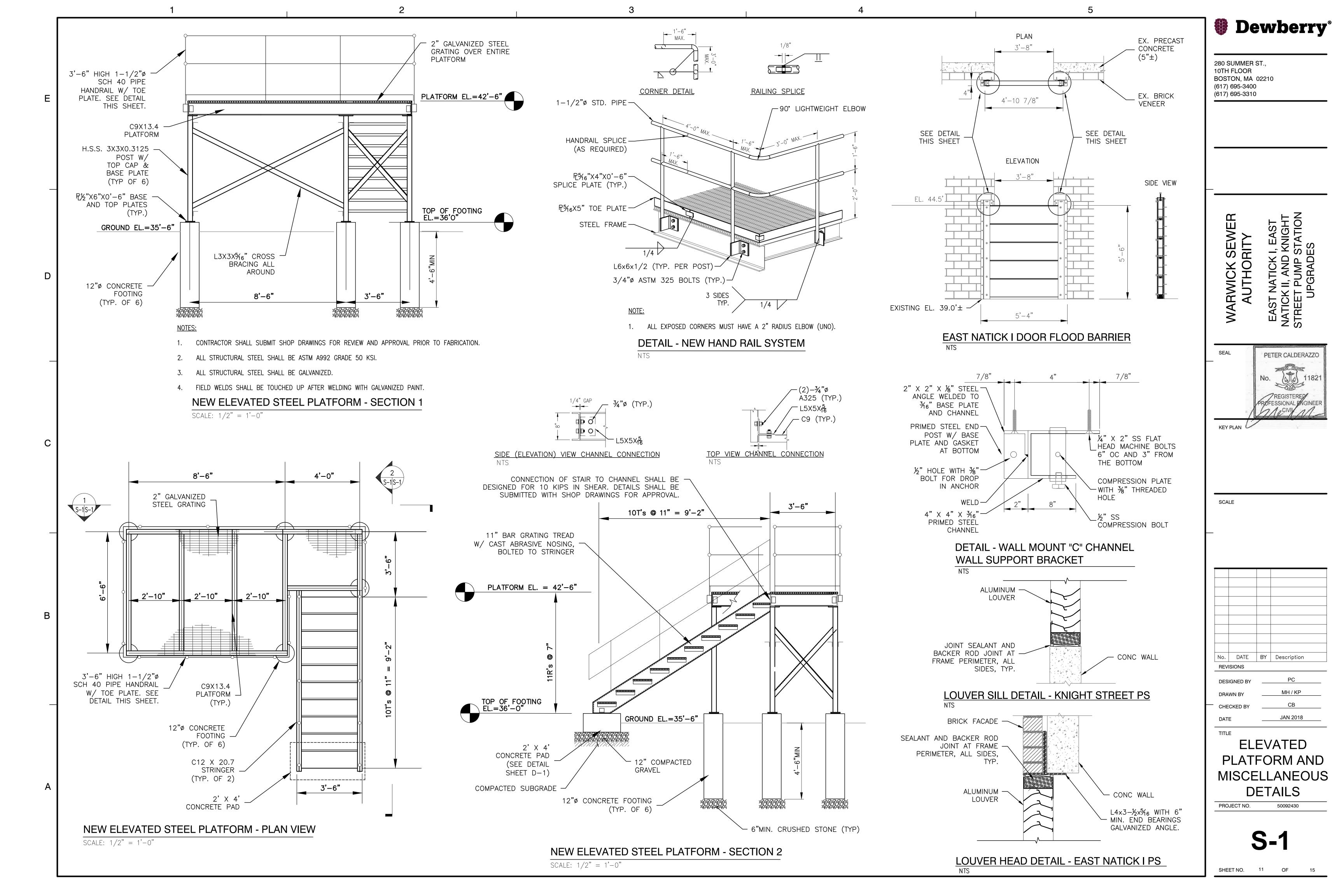
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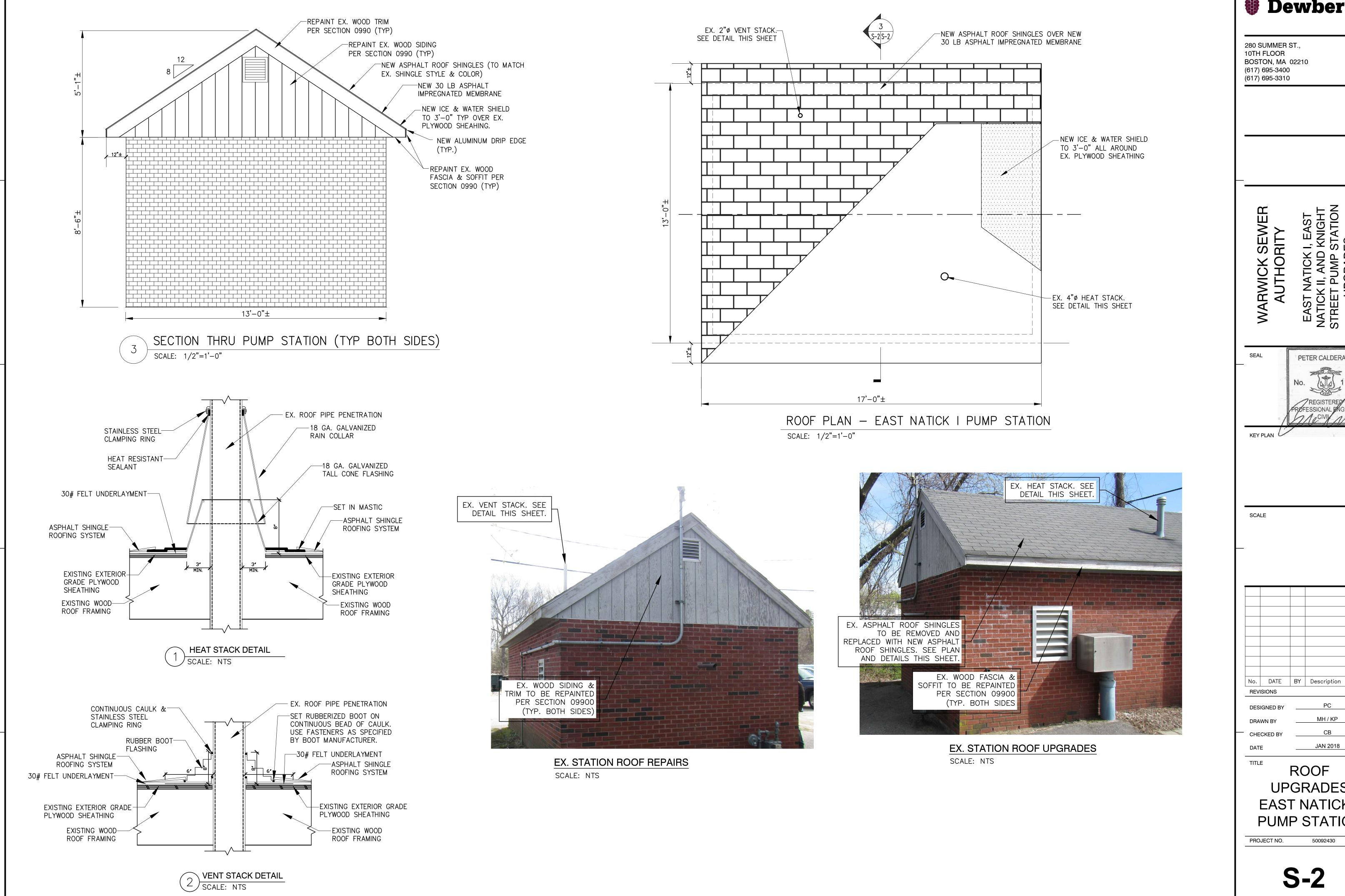
KNIGHT STREET
PUMP STATION
WET WELL WORK

PROJECT NO. 50092430

M-5

SHEET NO. 10 OF 15







280 SUMMER ST., BOSTON, MA 02210

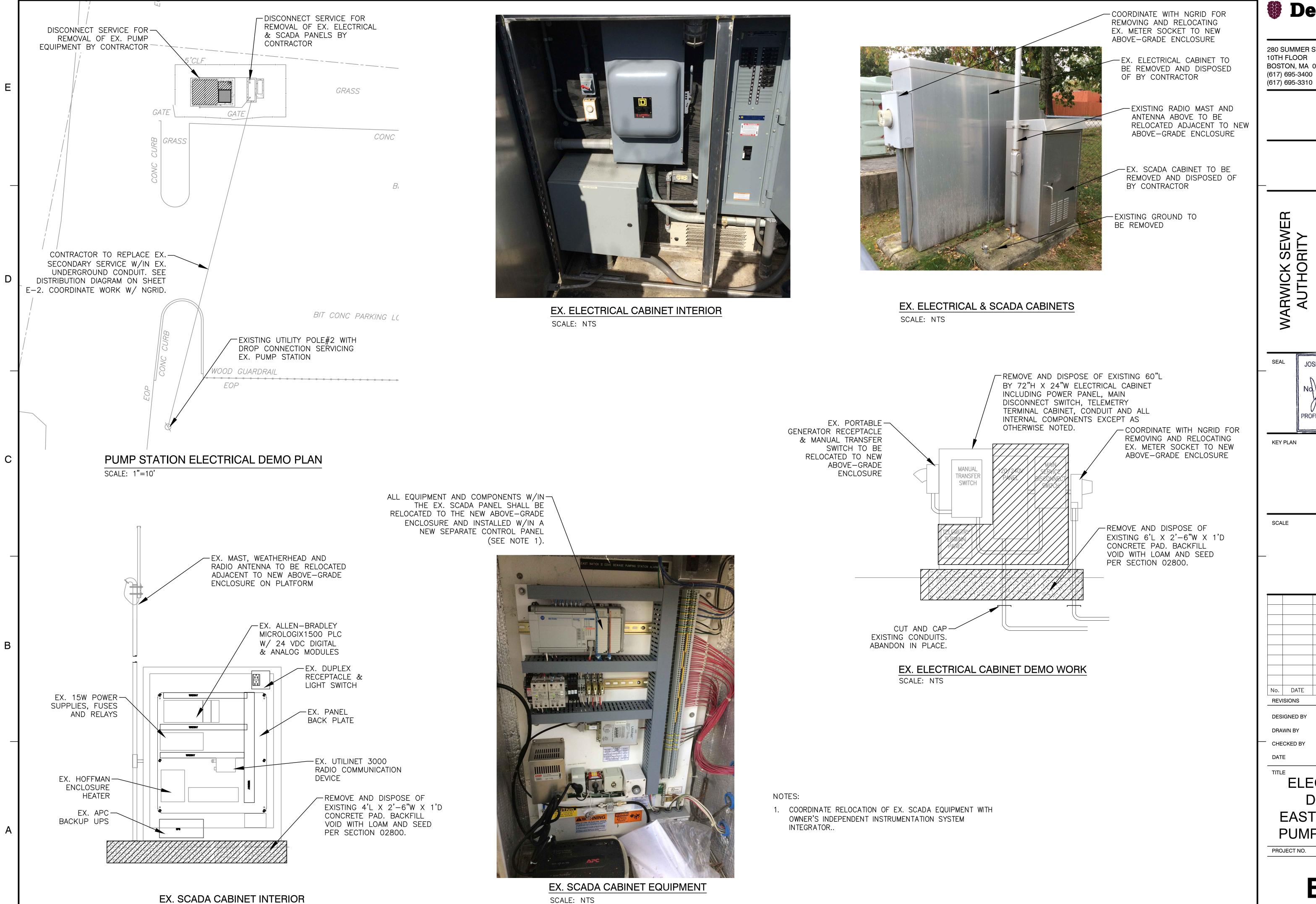


No. DATE BY Description MH / KP

ROOF **UPGRADES** EAST NATICK 1 **PUMP STATION**

50092430

SHEET NO. 12 OF 15



SCALE: NTS

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JOSEPH GIGANTIELLO PROFESSIONAL ENGINEER 1/16/18 **ELECTRICAL**

KEY PLAN

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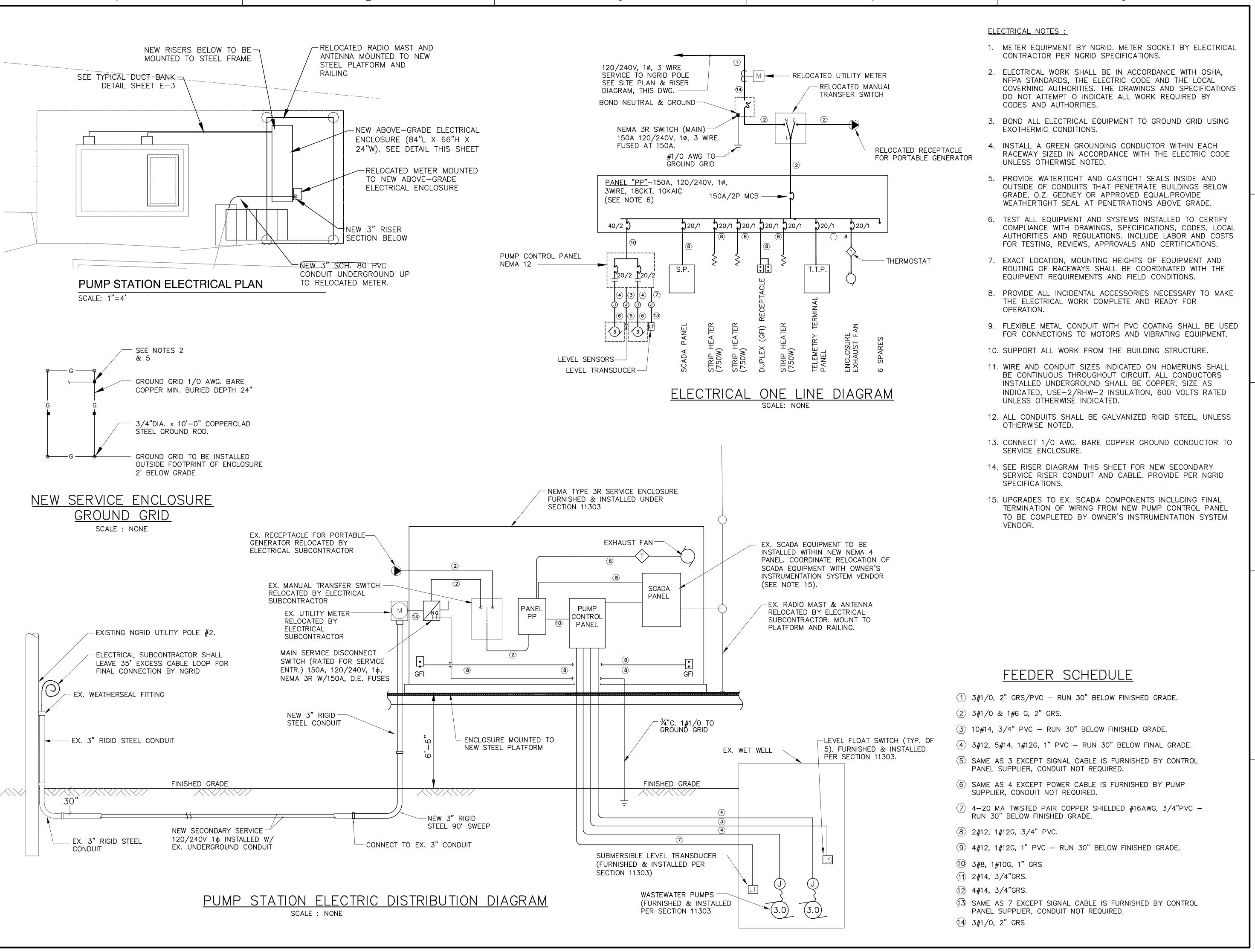
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ELECTRICAL DEMO -EAST NATICK II **PUMP STATION**

PROJECT NO. 50092430

E-1

SHEET NO. 13 OF 15





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PROFESSIONAL ENGINEER 1/16/18

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KEY PLAN

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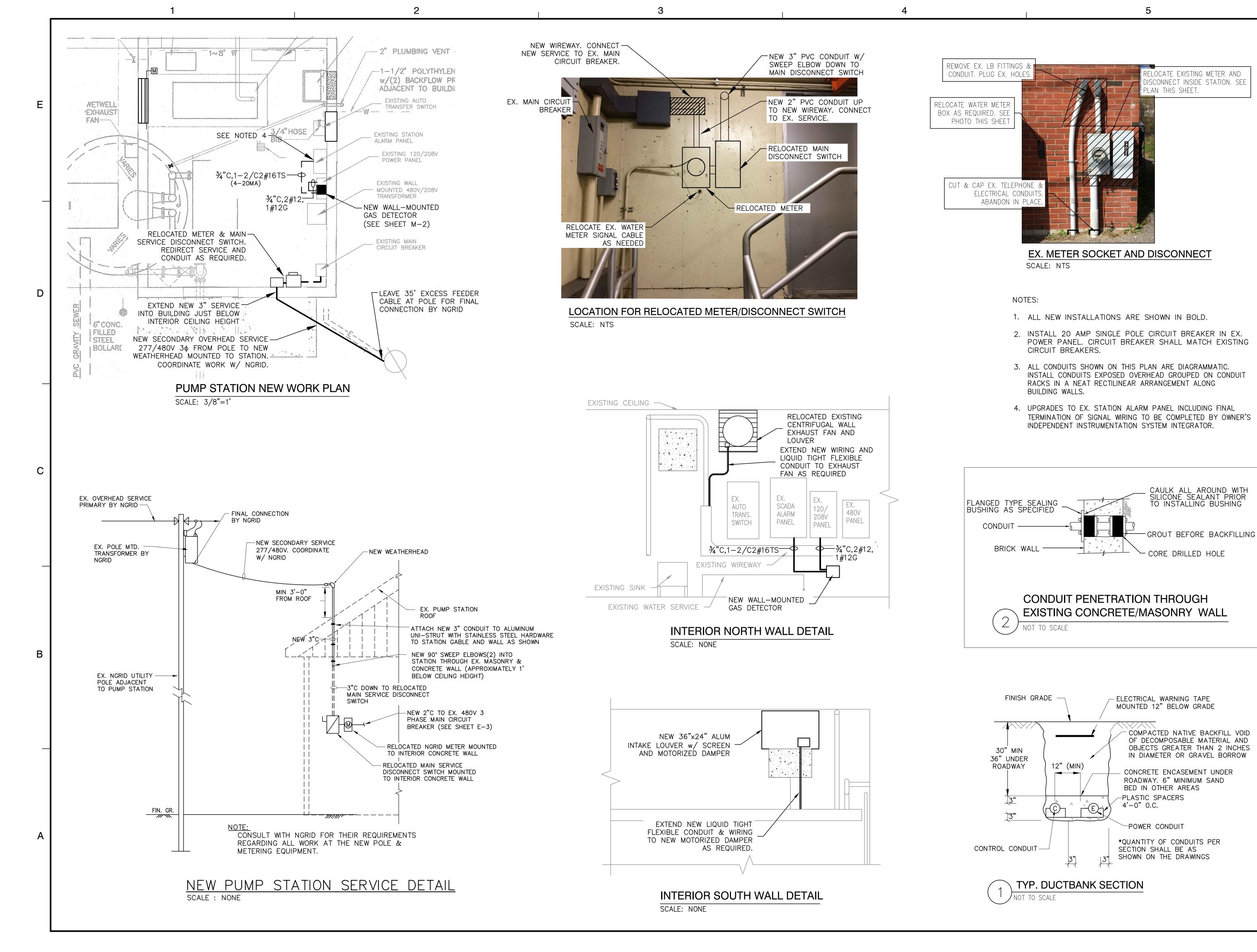
TITLE **EAST NATICK II**

PUMP STATION **NEW WORK &** NOTES

PROJECT NO.

E-2

SHEET NO. 14 OF





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> WARWICK SEWER AUTHORITY

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PROFESSIONAL ENGINEER

ELECTRICAL

KEY PLAN

No. DATE BY Description

REVISIONS

DESIGNED BY _____

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 MH / KP

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 DATE
 JAN 2018

TITLE EAST NATICK I

PUMP STATION
ELECTRICAL
WORK & DETAILS

PROJECT NO. 50092430

E-3

SHEET NO. 15 OF 15