

RESOLUTION OF THE CITY COUNCIL

No. 323

Approved June 16, 1997

IT IS HEREBY RESOLVED, That His Honor the Mayor, is authorized to grant a non-exclusive surface easement on Manton Avenue in the City of Providence to the Narragansett Bay Commission. Said easement shall be granted specifically upon the following conditions and within the following parameters:

1. Said easement shall be utilized only for the installation and maintenance of free standing enclosure containing an electric meter, flow meter and telephone. Said easement shall not exceed the area indicated on the accompanying maps attached and marked as Exhibits "A". (i.e. Department of Public Works Street line Section Plan No. 064578 dated 17 May 1996.) and "B" and "C".

2. Said easement shall be deemed to run with the land and shall operate against any successors in title and the easement or a memorandum of same shall be recorded in the Office of Land Records for the City of Providence.

3. Said easement shall be subject to a right of reverter/right of reversion in the event that the situs of the easement is no longer utilized for the aforesated purposes. Additionally, it shall be for a term of not more than twenty (20) years

4. Any breakout necessary for installation and/or repair or replacement shall be resurfaced/rehabilitated to the approval of the Director of the Department of Public Works.

5. Any installation of utilities or utility lines shall be underground so as to preserve the public right of way.

6. Any installation of electrical mechanism shall be to the approval of the Director of the Department of Inspection & Standards.

7. The Narragansett Bay Commission shall not construct or affix to the realty any temporary or permanent structure other than said enclosure, meters and telephone.

8. The Narragansett Bay Commission shall execute an indemnification and hold harmless agreement indemnifying the City of Providence, its agents,

IN CITY COUNCIL
April 4 1996
FIRST READING
REFERRED TO COMMITTEE ON
PUBLIC WORKS
Michael L. Fleuret CLERK

THE COMMITTEE ON
Public Works
Recommends *Continue*
Burton L. Frazier
Clerk
2/5/97 (Continued)

THE COMMITTEE ON
PUBLIC WORKS
Approves Passage of
The Within Resolution
Burton L. Frazier
Clerk
5/28/97

From the Clerk's Desk

officers, servants and employees. Said agreement shall approved by the Department of Law of the City of Providence.

9. The Narragansett Bay Commission shall supply the City of Providence with an insurance policy naming said City of Providence, its agents, officers, servants and employees as an additional-named insured in a sum not less than one hundred thousand dollar (\$100,000.00), which policy shall be approved by the Department of Law of the City of Providence.

10. The easement granted hereunder shall be subordinate to any easements rights of way, etc. that currently exist.

11. The Petitioner shall undertake construction and installation so as to protect the integrity of existing uses by Nynex.

12. The Petitioner shall undertake construction and installation so as to protect the integrity of existing uses by Providence Gas Company.

13. The Petitioner shall at all times maintain minimum clearances from overhead wires as said requirements exist by relevant OSHA law.

14. Petitioner shall notify the City of Providence Department of Public Works, in writing, of the "as built" location of the enclosure.

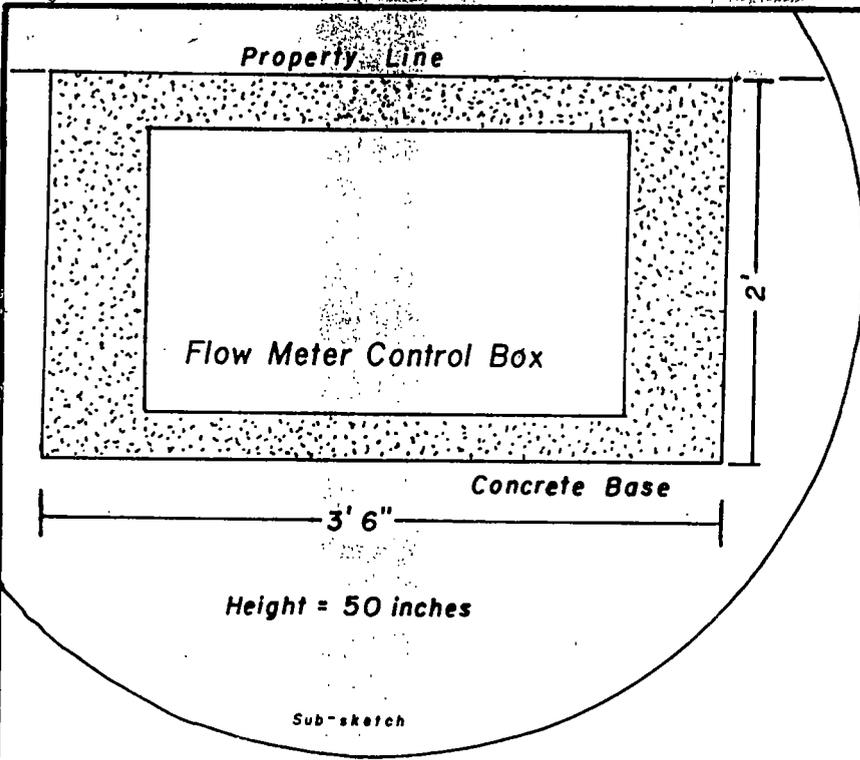
15. Upon receipt by the City Clerk that the Providence Fire Department and the Providence Police Department have on objection to this grant.

16. Such other terms and conditions as may be reflected in the record and minutes of the City Council Committee on Public Works or which may be deemed appropriate by the Department of Law of the City of Providence.

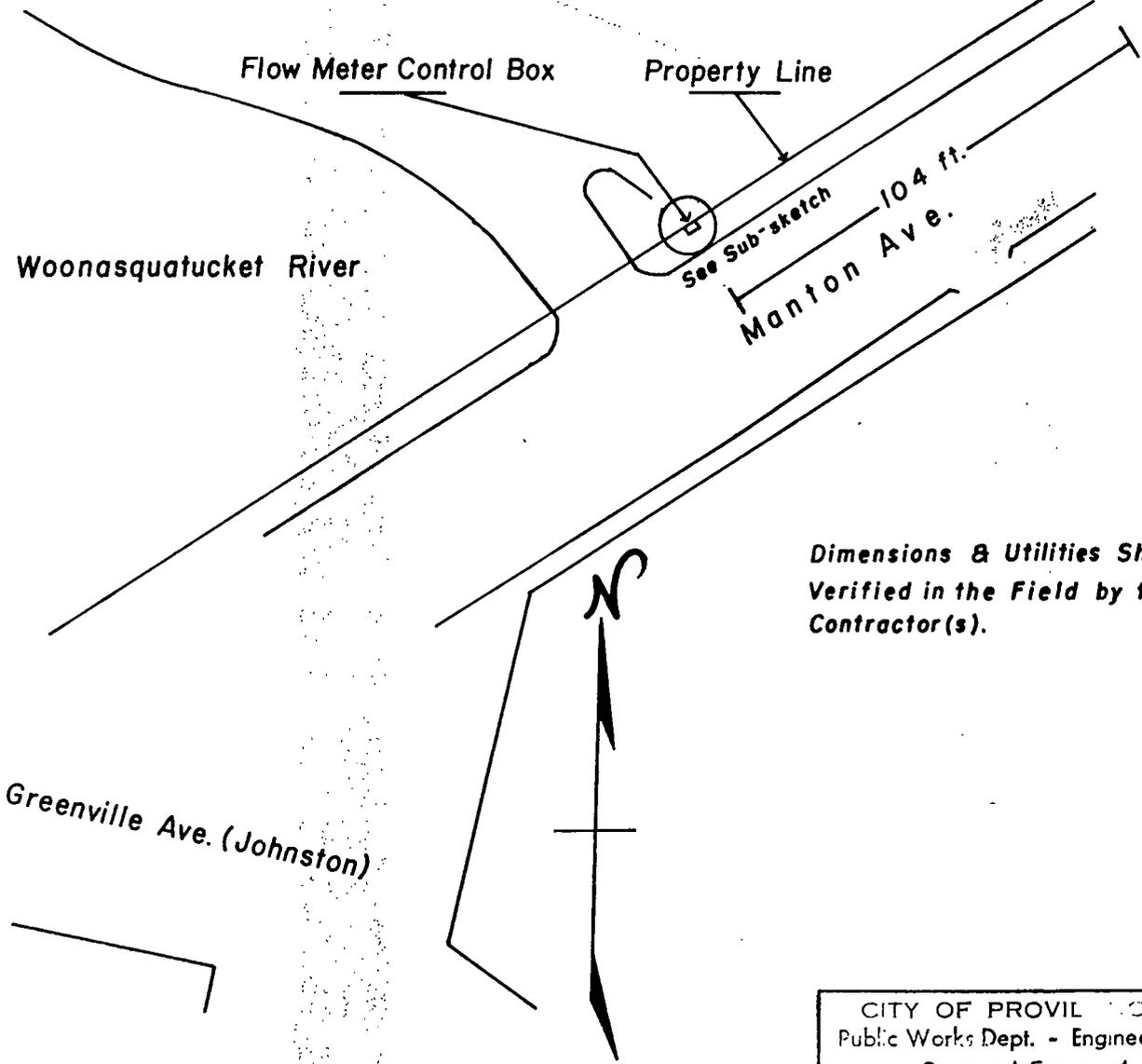
IN CITY COUNCIL
JUN 5 1997
READ AND PASSED
Evelyn V. Fargnoli
PRES.
Michael S. Clement
CLERK

APPROVED
JUN 16 1997
Vincent D. Cianci
MAYOR

PROVIDENCE, R. I.
 P. W. DEPT. - ENGINEERING OFFICE
 STREET LINE SECTION
 Plan No. 064578
 Date May 17, 1996



Riveredge Village Apartments
 865

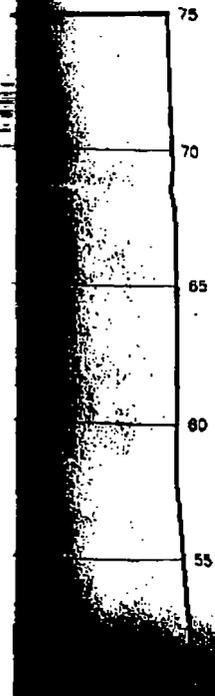
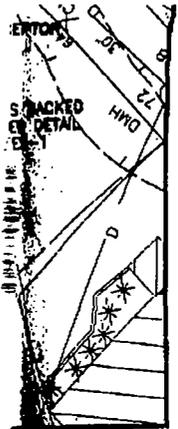


Dimensions & Utilities Shall be
 Verified in the Field by the
 Contractor(s).

Notes: See Sub-sketch for Easement Dimensions

CITY OF PROVIDENCE, R. I.
 Public Works Dept. - Engineering Office
 Showing Proposed Easement within Right-of-way on Manton Ave.
 Drawn by A. Zisiades Checked by _____
 Scale 1" = 40' Date 5-17-96
 Corrected by James A. Manna Associate Engr.
 Approved _____
 CHIEF ENGINEER

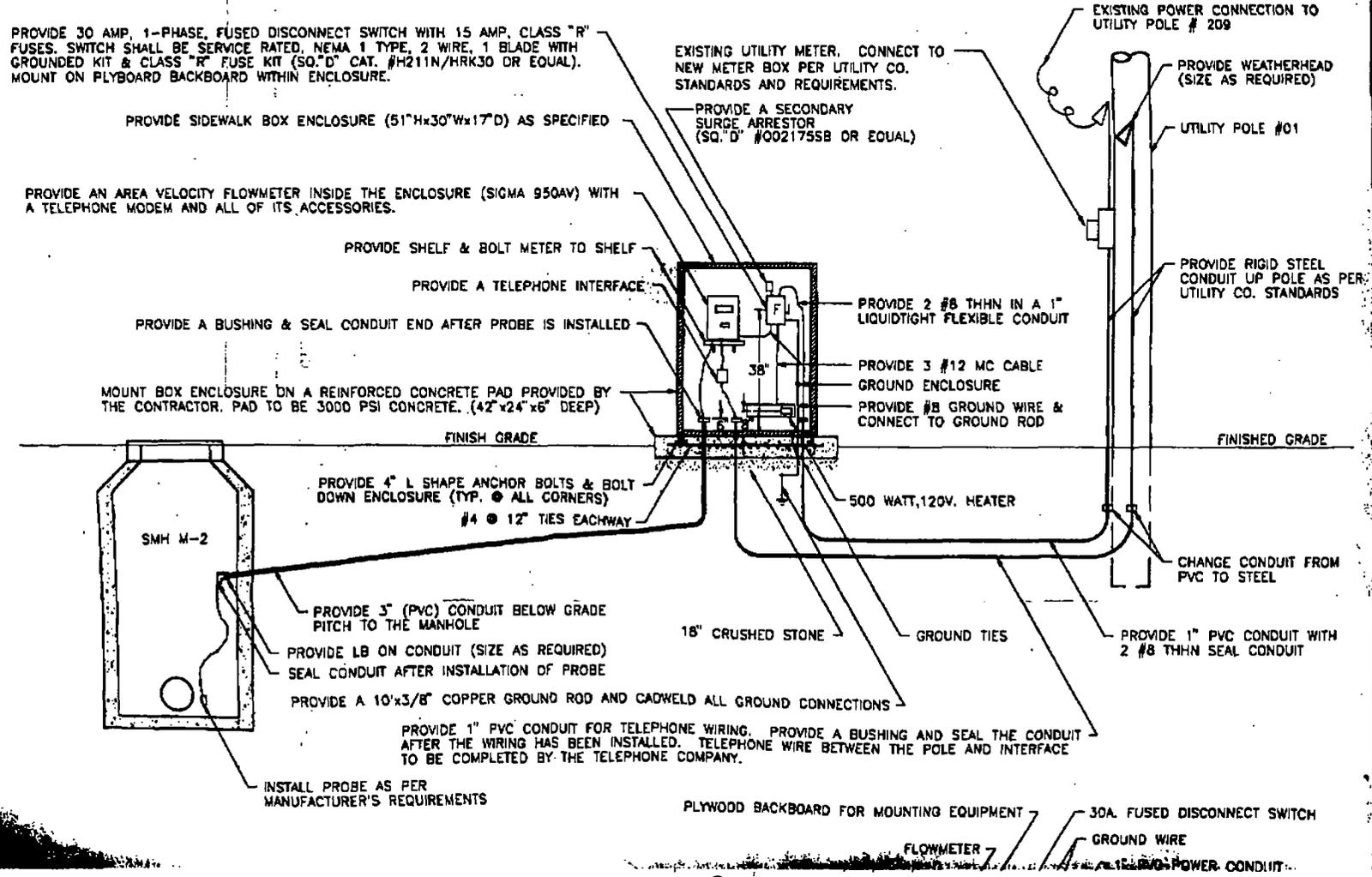
Lot Number Taken from A.P. 80



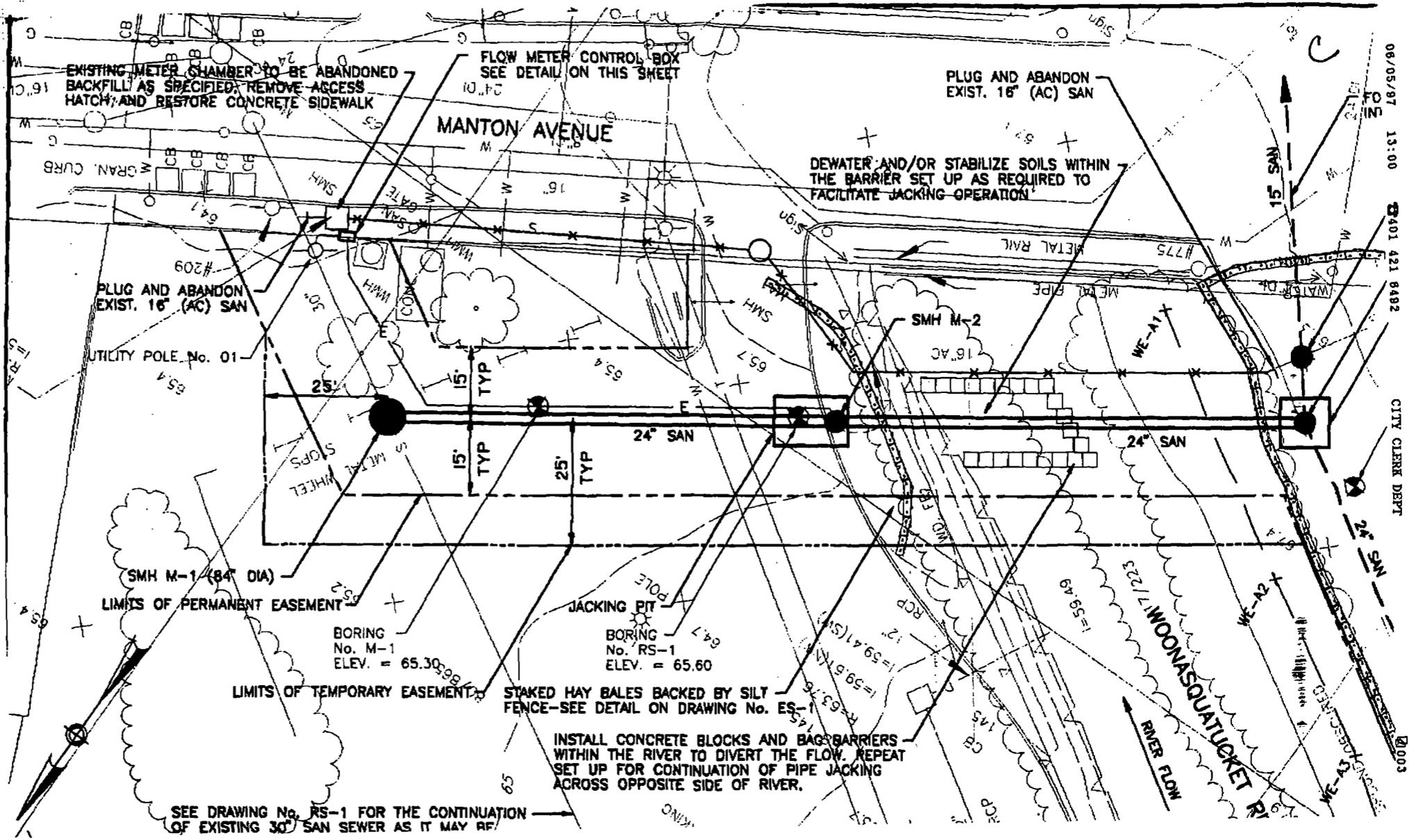
2. PROPERLY MAINTAIN ALL EROSION AND SEDIMENTATION CONTROLS THROUGHOUT CONSTRUCTION.
3. PUMP WATER FROM ADJACENT DEWATERING OPERATIONS SHOULD BE DIRECTED TO A SETTLING BASIN CONSTRUCTED IN ADJACENT UPLANDS. TURBID WATER CANNOT BE PUMPED INTO THE RIVER.

POST CONSTRUCTION:

1. MINIMIZE SEDIMENT TRANSPORT FROM ADJACENT WORK AREAS TO PREVENT SILTATION IN RIVER.
2. LOAM, SEED AND INSTALL JUTE NETTING OR EQUIVALENT ON ANY BANK AREAS DISTURBED BY THE CONSTRUCTION.
3. MAINTAIN STAKED HAY BALES AND SILT FENCE UNTIL ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF R.I.D.E.M.



B



EXISTING METER CHAMBER TO BE ABANDONED
 BACKFILL AS SPECIFIED. REMOVE ACCESS
 HATCH AND RESTORE CONCRETE SIDEWALK

FLOW METER CONTROL BOX
 SEE DETAIL ON THIS SHEET

PLUG AND ABANDON
 EXIST. 16" (AC) SAN

MANTON AVENUE

DEWATER AND/OR STABILIZE SOILS WITHIN
 THE BARRIER SET UP AS REQUIRED TO
 FACILITATE JACKING OPERATION

PLUG AND ABANDON
 EXIST. 16" (AC) SAN

UTILITY POLE No. 01

SMH M-1 (84" DIA)

LIMITS OF PERMANENT EASEMENT

BORING
 No. M-1
 ELEV. = 65.30

LIMITS OF TEMPORARY EASEMENT

JACKING PIT

BORING
 No. RS-1
 ELEV. = 65.60

STAKED HAY BALES BACKED BY SILT
 FENCE-SEE DETAIL ON DRAWING No. ES-1

INSTALL CONCRETE BLOCKS AND BAG BARRIERS
 WITHIN THE RIVER TO DIVERT THE FLOW. REPEAT
 SET UP FOR CONTINUATION OF PIPE JACKING
 ACROSS OPPOSITE SIDE OF RIVER.

SEE DRAWING No. RS-1 FOR THE CONTINUATION
 OF EXISTING 30" SAN SEWER AS IT MAY RE

08/05/87 13:00
 2401 421 8482
 CITY CLERK DEPT

WONSQUATUCKET RIVER
 RIVER FLOW

CITY OF PROVIDENCE
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

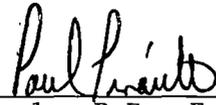
PETITION TO THE CITY COUNCIL

TO THE HONORABLE CITY COUNCIL OF THE CITY OF PROVIDENCE:

The undersigned respectfully petitions your honorable body

for an easement within the public right-of-way on Manton Avenue in the vicinity of the bridge crossing the Woonasquatucket River in the northwestern portion of the City of Providence for perpetuity to locate a free standing enclosure containing an electric meter, a flowmeter and a telephone. This enclosure will approximately be located approximately five feet (5') west of utility pole No. 1 in the vicinity of 999 Manton Avenue (see attachment). The exact location of the enclosure will be finalized pending Dig Safe investigations and property line survey.

The enclosure will be approximately four feet(4') tall by three feet (3') wide by sixteen inches (16") deep and be mounted securely on a concrete pad. The flow meter within the enclosure will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.



Paul Pinault, P.E., Executive Director
Narragansett Bay Commission
235 Promenade Street, Suite 500
Providence, RI 02908-5739

Date: _____

2/10/97

Attachments

FILED

FEB 10 2 54 PM '97

DEPT. OF JUSTICE
PROVIDENCE, R. I.

EXISTING METER CHAMBER TO BE ABANDONED
BACKFILL AS SPECIFIED. REMOVE ACCESS
HATCH AND RESTORE CONCRETE SIDEWALK

FLOW METER CONTROL BOX
SEE DETAIL ON THIS SHEET

PLUG AND ABANDON
EXIST. 16" (AC) SAN

MANTON AVENUE

DEWATER AND/OR STABILIZE SOILS WITHIN
THE BARRIER SET UP AS REQUIRED TO
FACILITATE JACKING OPERATION

PLUG AND ABANDON
EXIST. 16" (AC) SAN

UTILITY POLE No. 01

SMH M-2

25'

15' TYP

24" SAN

24" SAN

METAL WHEEL
SLOPS

15' TYP

25' TYP

SMH M-1 (84" DIA)

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JACKING PIT

BORING
No. M-1
ELEV. = 65.30

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SEE DRAWING No. RS-1 FOR THE CONTINUATION
OF EXISTING 30" SAN SEWER AS IT MAY BE

METAL RAIL

METAL PIPE

15" SAN

FC IN

WOONASQUATUCKET RIVER
RIVER FLOW

24" SAN

WE-A1

WE-A2

WE-A3

WE-A4

WE-A5

WE-A6

WE-A7

WE-A8

WE-A9

WE-A10

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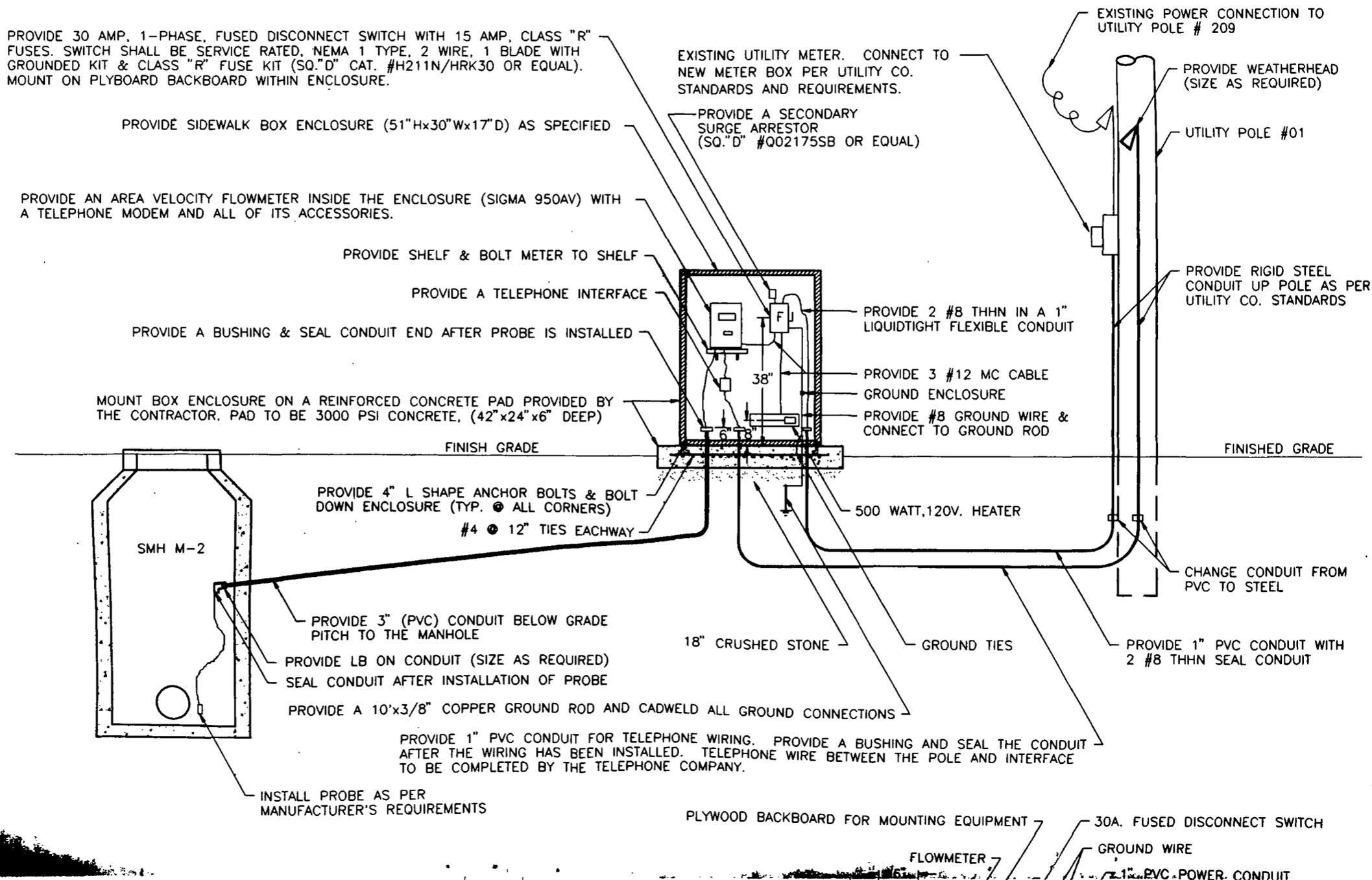
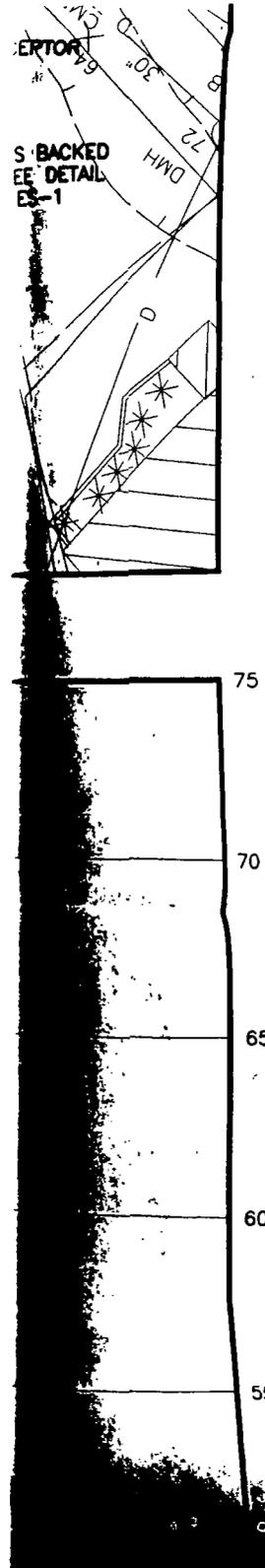
WE-A270

WE

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City of Providence, Rhode Island
Department of City Clerk
Councilman Robert M. Clarkin, Chairman
Committee on Public Works

Sir:

In answer to your request on the Manton Avenue Right of Way located at Riveredge Apartments; NYNEX cables in conduit are within the dig area indicated by N.B.C. (Narragansett Bay Commission) and City of Providence sketches:

I have been in contact with Mr. Thomas Grala of the N.B.C. about the proposed project. NYNEX cables feeding the Riveredge Apartment Complex and the surrounding community is located approximately 24 inches below the parking lot of Riveredge. The new sewer line will cross beneath this conduit system. This will require protection during the construction phase of the proposed project to safeguard its structural integrity. I will be happy to provide whatever information necessary to the contractors to aid them in this effort.

The plan submitted by N.B.C. indicates Pole 211 Manton Avenue would be providing power and telephone feeds for the flow meter box at this location. Unfortunately, Pole 211 has 3 conduit raisers, the maximum allowed by the National Safety Code. Any additional conduit would adversely affect the poles stability.

One possible alternative would be to place conduit from the current service pole presently being used for the said purpose.

If I can be of further help as you move forward with your project, please don't hesitate to call me at (401)727-9596.

Thank You

Paul Troia
Engineer, NYNEX

cc: Mr. Thomas Grala
Mary Hanley, Right of Way Engineer, NYNEX

PT/ed
file: PT91996

277-
3680
6680 Paul
Pawtucket



April 12, 1996

**Ms. Barbara A. Poirier
Second Deputy City Clerk
Providence City Hall
25 Dorrance Street
Providence, RI 02903**

**RE: Petition by Narragansett Bay Commission for
Easement within Right-of-Way
Manton Avenue, east of utility pole 211,
in vicinity of 999 Manton Avenue**

Dear Ms. Poirier:

**Providence Gas Company does have facilities in Manton Avenue
in this area.**

**We have no objection to the requested easement, provided the
proposed enclosure is located a minimum of three (3) feet from
any natural gas line.**

Yours very truly,

**Thomas P. Gavula, Director
Engineering & Project Management**

TPG/kg



Narragansett Electric
A NEES company

July 10, 1996

Ms. Barbara A. Poirier
Department of City Clerk
Providence City Hall
25 Dorrance Street
Providence, Rhode Island 02903

Re: Petition for an Easement Within the Public Right-of-Way on Manton Avenue

Dear Barbara:

The Narragansett Electric Company (NECo) has reviewed this request and has determined that it will not impact any of NECo's existing facilities on Manton Avenue. Although, it is imperative that the Narragansett Bay Commission maintains the minimum clearances from any overhead wires as required by OSHA law.

If you have any questions feel free to call me at 401-784-7209.

Sincerely,

Michael D. DiNezza
Senior Real Estate Representative

Enclosure

The Foundry Corporate Office Center
235 Promenade Street — Suite 500
Providence, RI
02908-5739
401 • 277 • 6680
401 • 277 • 2584 Fax
401 • 277 • 6680 TDD



Rep. Vincent J. Mesoletta
Chairman

Paul Pinault
Executive Director

February 10, 1997

Ms. Barbara A. Poirier
City of Providence
Department of City Clerk
Providence City Hall
Providence, RI 02903

Subject: Manton Avenue Easement Petition

Dear Ms. Poirier:

Enclosed please find a revised petition for the above referenced easement request. This revised petition reflects changes necessary based on comments received from NYNEX.

Please contact me if you should have any questions.

Very Truly Yours,

Thomas P. Grala, P.E.
Principal Sanitary Engineer

Enclosure
cc: Councilmen DeLuca

XXXXXXXXXXXX

Traffic Engineer

IRENE J. TESTA
Director



VINCENT A. CIANO, JR.
Mayor

Department of Traffic Engineering
"Building Pride In Providence"

M E M O R A N D U M

TO: ROBERT M. CLARKIN
CHAIRMAN, COMMITTEE ON PUBLIC WORKS

FROM: IRENE J. TESTA *ift* DIRECTOR

DATE: 6/4/96

RE: PENDING MATTERS

REQUEST: PETITION FOR AN EASEMENT WITHIN THE RIGHT-OF-WAY ON
MANTON AVENUE.

DISPOSITION: No objection.

IRENE J. TESTA
Traffic Engineer

JOSEPH W. CAPRIO
Deputy Director



VINCENT A. CIANCI, JR.
Mayor

Department of Traffic Engineering
"Building Pride In Providence"

MEMORANDUM

TO: Robert Clarkin
Chairman, Committee on Public Works

FROM: Irene J. Testa, Director

DATE: 6/5/97

RE: **PENDING MATTER**

REQUEST: To grant an easement to the Rhode Island School
of design at Benefit Street & Meeting Street.

DISPOSITION: No objection to said easement.



Department of Public Parks

"Building Pride In Providence"

June 5, 1997

Mr. Michael Clement
City Clerk
City Hall
Providence, R.I., 02903

RE: Easement on right-of-way on Manton Ave.

Dear Mr. Clement:

Upon review of all Department of Public Parks plans, and records. It is the conclusion of the Parks Department that the easement on the right-of-way on Manton Ave. , will in no way effect any Parks Department existing facility, and or future plans for that area.

Enclosed is a map indicating the street in question marked in RED, and the nearest Department of Public Parks facility marked in YELLOW.

Sincerely yours,

A handwritten signature in cursive script that reads "John A. Izzo".

John A. Izzo
Supervisor of Engineering & Planning

CITY OF PROVIDENCE
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

PETITION TO THE CITY COUNCIL

TO THE HONORABLE CITY COUNCIL OF THE CITY OF PROVIDENCE:

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for an easement within the public right-of-way on Manton Avenue in the vicinity of the bridge crossing the Woonasquatucket River in the northwestern portion of the City of Providence for perpetuity to locate a free standing enclosure containing an electric meter, a flowmeter and a telephone. This enclosure will approximately be located approximately five feet (5') west of utility pole No. 1 in the vicinity of 999 Manton Avenue (see attachment). The exact location of the enclosure will be finalized pending Dig Safe investigations and property line survey.

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Paul Pinault, P.E., Executive Director
Narragansett Bay Commission
235 Promenade Street, Suite 500
Providence, RI 02908-5739

Date: 2/10/97

Attachments

JAMES F. RATTIGAN
CHIEF OF DEPARTMENT

DAVID N. BOCK
ASS'T. CHIEF OF DEPARTMENT



VINCENT A. CIANCI, JR.
MAYOR

JOHN J. PARTINGTON
COMMISSIONER

Department of Public Safety, Fire Department
"Building Pride In Providence"

June 5, 1997

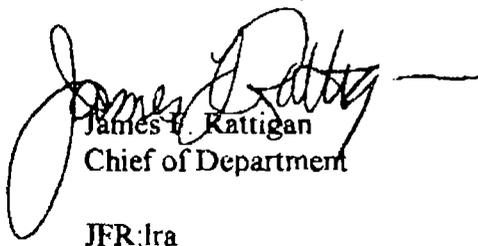
Providence City Council
City Hall
Providence, RI 02903

Re: Petition for Public Right-of-Way on Manton Avenue

Dear Honorable Members:

With regards to petition for an easment within the public right-of-way on Manton Avenue in the vicinity of the bridge crossing the Woonasquatucket River, the Providence Fire Department has no objections concerning the granting of aforementioned petition.

Yours truly,


James F. Rattigan
Chief of Department
JFR:lra

ARMANDO PARILLO
Chairman

JOEL D. LANDRY, II, ESQ.
Vice Chairman

JAMES LOMBARDI
Secretary

FERNANDO S. CUNHA, ESQ.
Legal Advisor

BOYCE SPINELLI
Ex-Officio



VINCENT A. CIANCI, JR.
Mayor

RICHARD O. RAFANOVIC, P.E.
General Mgr./Chief Engr.

JOSEPHINE DI RUZZO
City Councilwoman

EVELYN V. FARGNOLI
City Councilwoman

MARY A. NOCERA
Member

JOYCE TESSERIS
Member

MEMORANDUM

TO: Councilman Robert M. Clarkin, Chairman
Committee on Public Works

FROM: Syl Pauley, Jr., P.E. 

DATE: April 29, 1996

SUBJECT: Petition for an Easement Within the
Right-of-Way on Manton Avenue

Please be advised that Providence Water Supply Board has reviewed the proposed Narragansett Bay Commission easement at the referenced location and does not object to the creation of the same as indicated on the plan identified as follows: "Manton Interceptor STA 0+00 to STA 1+85," Johnston Interceptor Replacement Contract No. 504, Drawing No. M-1, Sheet 3 of 33, File Name 9309_M1.DWG, dated January 1996 (no revisions), as prepared by Keyes Associates, Providence, RI.

SP/s
cc: P. Gadoury, P.E.
R. Kilduff, P.E.
File

CCMEM1.SAM



Department of Inspection and Standards

"Building Pride In Providence"

MEMO

To: Councilman Robert M. Clarkin, Chairman
Committee on Public Works

From: Ramzi J. Loqa, Director

Handwritten signature of Ramzi J. Loqa in black ink.

Date: April 19, 1996

Re: Enclosure (999 Manton Avenue)

Please be advised that the above-mentioned enclosure does not fall under our jurisdiction, since it will be located at sidewalk (Public Property), and should be referred to the Public Works Department for approval.

Also, please be advised that the Providence Zoning Ordinance exempts sewer mains and any incidental appurtenances and installations.

RJL:np

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE: APRIL 9, 1996

TO: Mr. Ramzi Loqa, Director of Inspection and Standards

SUBJECT: PETITION FOR AN EASEMENT WITHIN THE RIGHT-OF-WAY ON
MANTON AVENUE

CONSIDERED BY: Councilman Robert M. Clarkin, Chairman -
Committee on Public Works

DISPOSITION: The accompanying resolution is referred to you for study,
report and recommendation and report back in writing to the
above-named Committee as soon as possible.

Barbara A. Fairie

SECOND DEPUTY CITY CLERK

CITY OF PROVIDENCE
STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

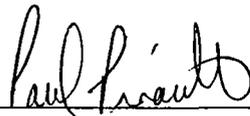
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TO THE HONORABLE CITY COUNCIL OF THE CITY OF PROVIDENCE:

The undersigned respectfully petitions your honorable body

for an easement within the public right-of-way on Manton Avenue in the vicinity of the bridge crossing the Woonasquatucket River in the northwestern portion of the City of Providence for perpetuity to locate a free standing enclosure containing an electric meter, a flowmeter and a telephone. This enclosure will approximately be located approximately five feet (5') east of utility pole no. 211 in the vicinity of 999 Manton Avenue (see Attachment). The exact location of the enclosure will be finalized pending Dig Safe investigations and property line survey.

The enclosure will be approximately four (4) feet tall by three (3) feet wide by sixteen (16) inches deep and be mounted securely on a concrete pad. The flowmeter within the enclosure will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.



Paul Pinault, P.E., Executive Director
Narragansett Bay Commission
235 Promenade Street, Suite 500
Providence, RI 02908-5739

Date: 3/26/96

Attachments

FILED

MAR 28 1 15 PM '96

DEPT. OF PUBLIC CLERK
PROVIDENCE, R.I.

IN CITY COUNCIL
APR 4 1996
FIRST READING
REFERRED TO COMMITTEE ON
PUBLIC WORKS

Richard L. Clement CLERK

From The Clerk's Desk

FLOW METER CHAMBER TO BE ABANDONED
AS SPECIFIED, REMOVE ACCESS
AND RESTORE CONCRETE SIDEWALK

FLOW METER CONTROL BOX
SEE DETAIL ON THIS SHEET

PLUG AND ABANDON
EXIST. 16" (AC) SAN

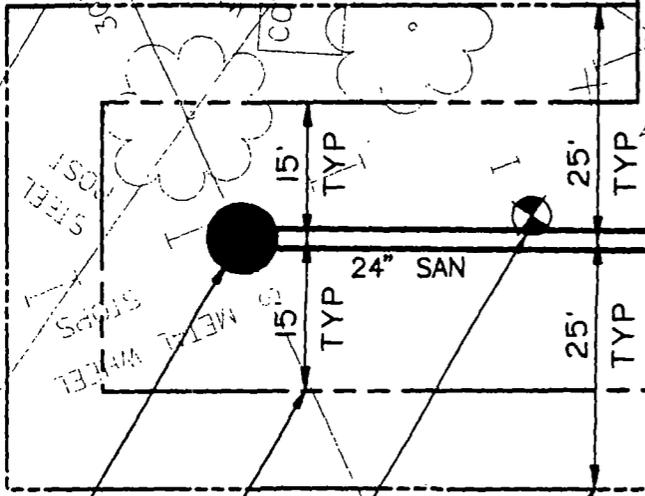
FOR CONTINUA
INTERCEPTOR 1

MANTON AVENUE

UTILITY POLE No. 211

DEWATER AND/OR STABILIZE SOILS WITHIN
THE BARRIER SET UP AS REQUIRED TO
FACILITATE JACKING OPERATION

PLUG AND ABANDON
EXIST. 16" (AC) SAN



SMH M-2

16" AC

WE-A1

24" SAN

24" SAN

SMH M-1 (84" DIA)

LIMITS OF PERMANENT EASEMENT

BORING
No. M-1
ELEV. = 65.30

JACKING PIT

BORING
No. RS-1
ELEV. = 65.60

LIMITS OF TEMPORARY EASEMENT

STAKED HAY BALES BACKED BY SILT
FENCE--SEE DETAIL ON DRAWING No. ES-1

INSTALL CONCRETE BLOCKS AND BAG BARRIERS
WITHIN THE RIVER TO DIVERT THE FLOW. REPEAT
SET UP FOR CONTINUATION OF PIPE JACKING
ACROSS OPPOSITE SIDE OF RIVER.

SEE DRAWING No. RS-1 FOR THE CONTINUATION
OF EXISTING 30" SAN SEWER AS IT MAY BE
REQUIRED FOR FLOW BYPASSING

METAL RAIL

METAL PIPE

15" SAN

8" CI

SMH

SM

REI

E
E

WE-A2

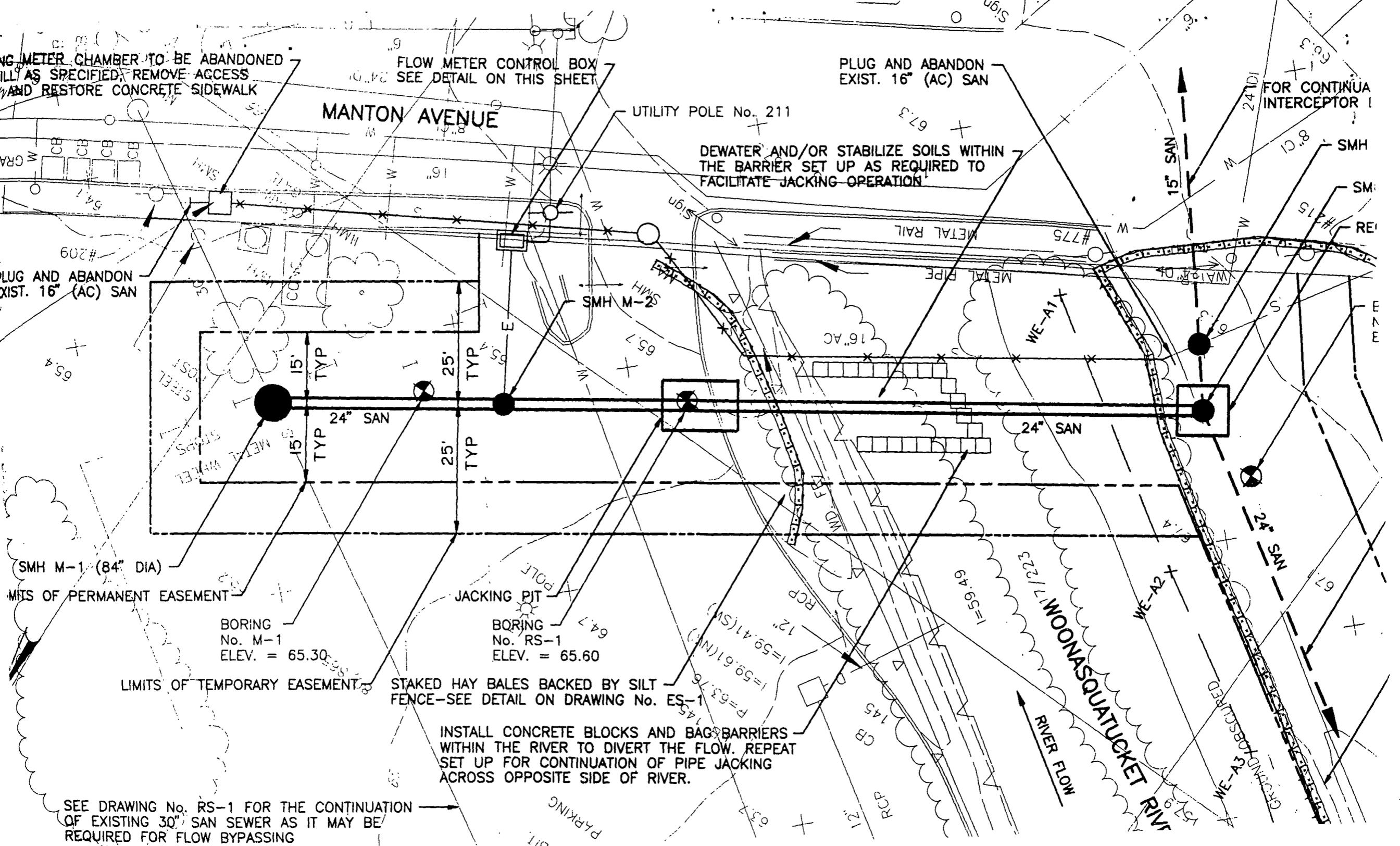
WE-A3

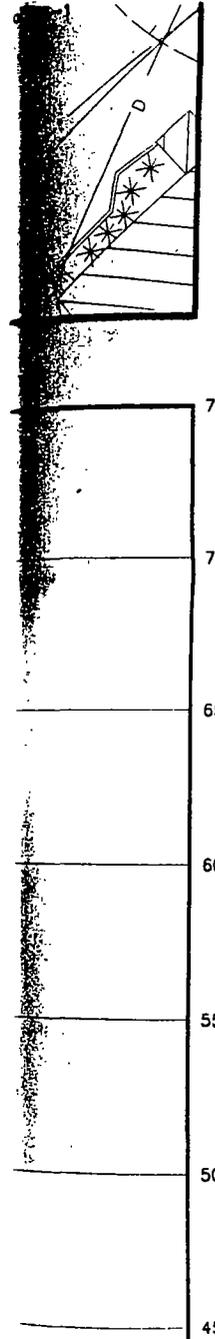
RIVER FLOW

WOONASQUATUCKET RIVER

GROUND CLOSED

PARKING





3. MAINTAIN STAKED HAY BALES AT

ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF R.I.U.E.M.

PROVIDE 30 AMP, 1-PHASE, FUSED DISCONNECT SWITCH WITH 15 AMP, CLASS "R" FUSES. SWITCH SHALL BE SERVICE RATED, NEMA 1 TYPE, 2 WIRE, 1 BLADE WITH GROUNDED KIT & CLASS "R" FUSE KIT (SQ."D" CAT. #H211N/HRK30). MOUNT ON PLYBOARD BACKBOARD WITHIN ENCLOSURE.

PROVIDE SIDEWALK BOX ENCLOSURE (50" Hx36" Wx17" D) HENNESSY # LS503617 WITH THE FOLLOWING OPTIONS: BOLT LOCK #240544, HEATER #180265 & A HUNTER GREEN FINISH # T-10HP201145.

PROVIDE AN AREA VELOCITY FLOWMETER INSIDE THE ENCLOSURE (SIGMA 950AV.) WITH A TELEPHONE MODEM AND ALL OF ITS ACCESSORIES.

PROVIDE 120V. RAINPROOF METERSOCKET PER UTILITY CO. STANDARDS & REQUIREMENTS. PROVIDE A MANUAL BY-PASS WITH A SAFETY SHIELD. MOUNT ON ENCLOSURE & PROVIDE A SEAL ON TOP & SIDES BETWEEN THE METERSOCKET & CABINET.

PROVIDE A SECONDARY SURGE ARRESTOR (SQ."D" #Q021755B)

PROVIDE 2 #8 THHN & LEAVE SUFFICIENT SLACK FOR 120V. POWER CONNECTION BY UTILITY CO.

PROVIDE WEATHERHEADS (SIZE AS REQUIRED)

UTILITY POLE #211

PROVIDE RIGID STEEL CONDUIT UP POLE AS PER UTILITY CO. STANDARDS

PROVIDE SHELF & BOLT METER TO SHELF

PROVIDE A TELEPHONE INTERFACE

PROVIDE A BUSHING & SEAL CONDUIT END AFTER PROBE IS INSTALLED

PROVIDE 2 #8 THHN IN A 1" LIQUIDTIGHT FLEXIBLE CONDUIT

PROVIDE CONDUIT LB

PROVIDE 3 #12 MC CABLE

GROUND ENCLOSURE

PROVIDE #8 GROUND WIRE & CONNECT TO GROUND ROD

MOUNT BOX ENCLOSURE ON A REINFORCED CONCRETE PAD PROVIDED BY THE CONTRACTOR. PAD TO BE 3000 PSI CONCRETE, (42"x24"x6" DEEP)

FINISH GRADE

FINISHED GRADE

PROVIDE 4" L SHAPE ANCHOR BOLTS & BOLT DOWN ENCLOSURE (TYP. @ ALL CORNERS) #4 @ 12" TIES EACHWAY

500 WATT, 120V. HEATER

CHANGE CONDUIT FROM PVC TO STEEL

SMH M-2

PROVIDE 3" (PVC) CONDUIT BELOW GRADE PITCH TO THE MANHOLE

18" CRUSHED STONE

GROUND TIES

PROVIDE 1" PVC CONDUIT WITH 2 #8 THHN SEAL CONDUIT

PROVIDE LB ON CONDUIT (SIZE AS REQUIRED) SEAL CONDUIT AFTER INSTALLATION OF PROBE

PROVIDE A 10"x3/8" COPPER GROUND ROD AND CADWELD ALL GROUND CONNECTIONS

PROVIDE 1" PVC CONDUIT FOR TELEPHONE WIRING. PROVIDE A BUSHING AND SEAL THE CONDUIT AFTER THE WIRING HAS BEEN INSTALLED. TELEPHONE WIRE BETWEEN THE POLE AND INTERFACE TO BE COMPLETED BY THE TELEPHONE COMPANY.

INSTALL PROBE AS PER MANUFACTURER'S REQUIREMENTS

PLYWOOD BACKBOARD FOR MOUNTING EQUIPMENT HENNESSY PANEL KIT #231626

30A. FUSED DISCONNECT SWITCH

GROUND WIRE

1" PVC POWER CONDUIT TO UTILITY CO. POLE

METERSOCKET

METER BY UTILITY CO.

CONCRETE PAD

3" CONDUIT TO MANHOLE

PROVIDE 4" L ANCHOR BOLTS AT ALL FOUR CORNERS OF THE ENCLOSURE

1" PVC CONDUIT TO UTILITY CO. POLE

OPENING AT THE BOTTOM OF ENCLOSURE

NOTES:

1. ALL BURIED CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW THE FINISH GRADE WITH A WARNING TAPE INSTALLED 12" BELOW THE FINISH GRADE.
2. INSTALLATION OF ELECTRICAL ITEMS SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL AND STATE ELECTRIC CODES (WHICHEVER IS THE STRICTEST) AND IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER AND THE UTILITY COMPANY.

WOONASQUATUCKET RIVER CROSSING

GENERAL NOTES FOR PIPE JACKING OPERATION:

1. CONDUCT ALL WORK DURING LOW RIVER FLOW CONDITIONS.
2. INSTALL AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS AS SHOWN AND AS SPECIFIED BY THE ENGINEER.
3. INSTALL RIVER FLOW CONTROL BARRIERS ACROSS RIVER AS SHOWN TO ISOLATE AREA WHERE PIPE SLEEVE IS TO BE JACKED FROM RIVER FLOWS.
4. STABILIZE SOILS IN RIVER BOTTOM AS REQUIRED AND SPECIFIED TO FACILITATE JACKING OF PIPE SLEEVE WITHOUT LOSS OF RIVER SOILS AND/OR GROUNDWATER INTO JACKING FACE. INSTALLATION OF SHEETING WITHIN THE RIVER WILL NOT BE AN ACCEPTABLE MEANS OF CONTROLLING WATER.
5. PROVIDE DEWATERING AS REQUIRED AND SPECIFIED TO CONTROL WATER IN AREA OF WORK.
6. CONSTRUCT JACKING AND RECEIVING PITS TO PROVIDE SUFFICIENT ROOM AND SUPPORT FOR JACKING OPERATIONS.
7. MAINTAIN STONE WALL ON EAST BANK OF RIVER.
8. JACK PIPE SLEEVE ACROSS RIVER TO LIMIT OF RIVER FLOW CONTROL BARRIERS.
9. RELOCATE RIVER FLOW CONTROL BARRIERS AS REQUIRED TO ISOLATE THE REMAINING AREA UNDER THE RIVER TO BE JACKED FROM RIVER FLOWS. STABILIZE SOILS AND CONTINUE JACKING OPERATION TO RECEIVING PIT.
10. COMPLETE PIPE INSTALLATION IN ACCORDANCE WITH JACKING DETAILS AS SHOWN ON DRAWING No. CD-1.
11. REMOVE FLOW CONTROL BARRIERS FROM RIVER AFTER COMPLETION OF WORK.

EROSION AND SEDIMENTATION CONTROL NOTES

PRIOR TO CONSTRUCTION:

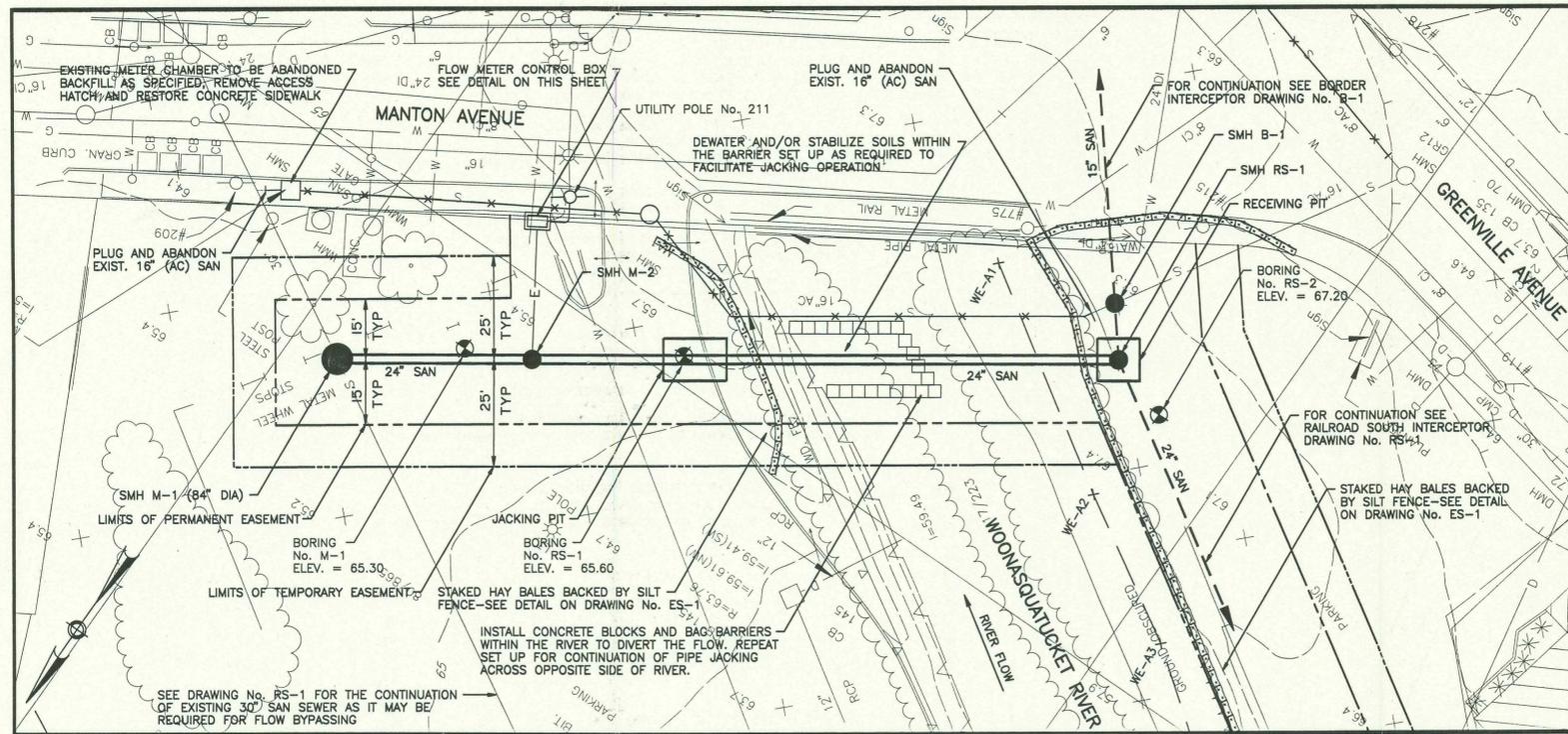
1. CLEAR VEGETATION WITHIN THE PROJECT LIMITS ONLY AS REQUIRED TO COMPLETE WORK. CONDUCT ANY CLEARING SUCH THAT NO BRUSH IS DEPOSITED IN THE RIVER.
2. INSTALL PERIMETER HAY BALES AND SILT FENCE AS SHOWN ON EACH SIDE OF RIVER AT THE LIMITS OF ALL WORK LOCATIONS.

DURING CONSTRUCTION:

1. INSTALL RIVER FLOW CONTROL BARRIERS FROM BANKS OF RIVER ONLY. MINIMIZE SEDIMENTATION IN THE RIVER TO THE GREATEST EXTENT FEASIBLE DURING BARRIER PLACEMENT AND REMOVAL.
2. PROPERLY MAINTAIN ALL EROSION AND SEDIMENTATION CONTROLS THROUGHOUT CONSTRUCTION.
3. PUMP WATER FROM ADJACENT DEWATERING OPERATIONS SHOULD BE DIRECTED TO A SETTLING BASIN CONSTRUCTED IN ADJACENT UPLANDS. TURBID WATER CANNOT BE PUMPED INTO THE RIVER.

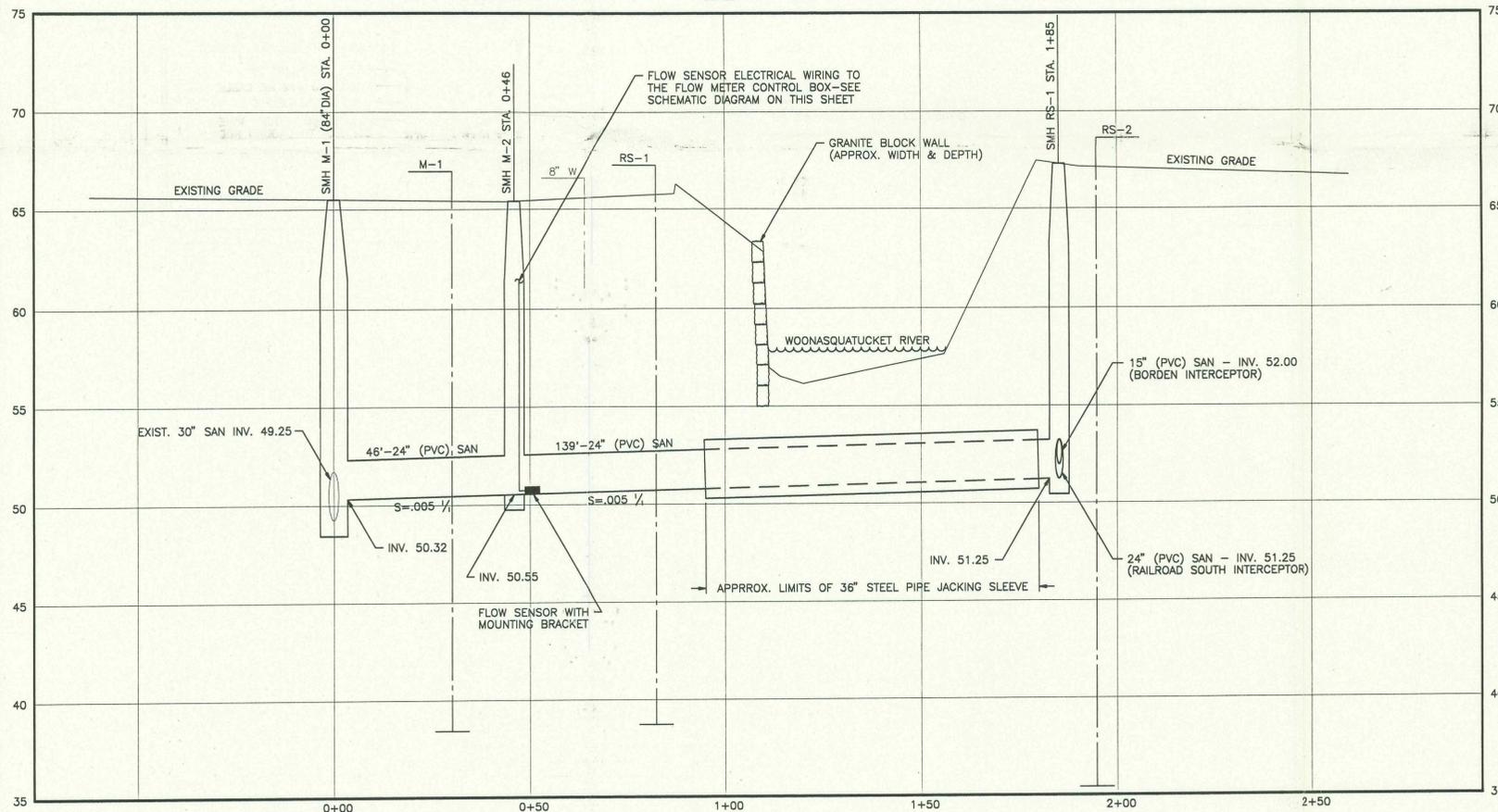
POST CONSTRUCTION:

1. MINIMIZE SEDIMENT TRANSPORT FROM ADJACENT WORK AREAS TO PREVENT SILTATION IN RIVER.
2. LOAM, SEED AND INSTALL JUTE NETTING OR EQUIVALENT ON ANY BANK AREAS DISTURBED BY THE CONSTRUCTION.
3. MAINTAIN STAKED HAY BALES AND SILT FENCE UNTIL ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF R.I.D.E.M.



PLAN

SCALE: 1" = 20'

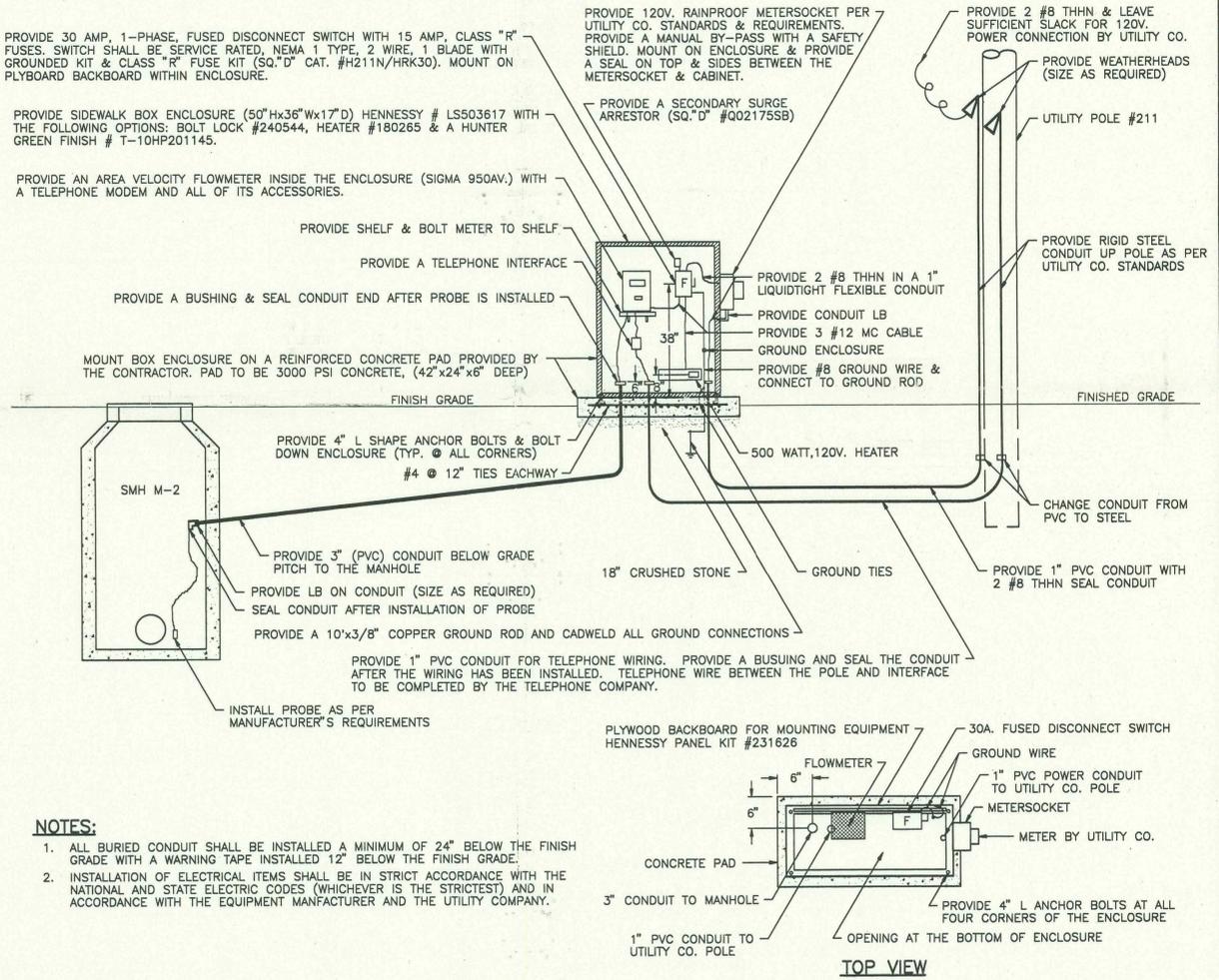
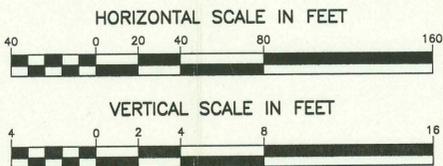


PROFILE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 4'

NOTES:

1. SET MANHOLE RIMS FLUSH WITH GRADE.
2. THE BORDEN INTERCEPTOR FROM MANHOLE SMH B-1 TO SMH RS-1 AND THE MANTON INTERCEPTOR MUST BE COMPLETELY INSTALLED, TESTED AND ACCEPTED, INCLUDING THE FLOW METER PRIOR TO THE ABANDONMENT OF THE 16" (AC) SAN SEWER AS INDICATED.
3. RESTORE ALL AREAS DISTURBED OR DAMAGED IN ACCORDANCE WITH THE GENERAL NOTES AND AS SPECIFIED.
4. REPAIR BITUMINOUS PARKING AREA PAVEMENT AT THE "RIVEREDGE VILLAGE APARTMENTS" IN ACCORDANCE WITH THE TOWN ROAD PAVEMENT REPAIR DETAILS SHOWN ON DRAWING No. CD-2, UNLESS SPECIFIED OTHERWISE BY THE ENGINEER.
5. PROVIDE A CONTINUOUS ACCESS TO THE "RIVEREDGE VILLAGE APARTMENTS" PARKING AREA AND PROVIDE A TEMPORARY ENTRANCE ROAD AS REQUIRED.
6. FOR JACKING SLEEVE DETAILS SEE DRAWING No. CD-1.



NOTES:

1. ALL BURIED CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW THE FINISH GRADE WITH A WARNING TAPE INSTALLED 12" BELOW THE FINISH GRADE.
2. INSTALLATION OF ELECTRICAL ITEMS SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL AND STATE ELECTRIC CODES (WHICHEVER IS THE STRICTEST) AND IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER AND THE UTILITY COMPANY.

FLOW METER ELECTRICAL INSTALLATION SCHEMATIC DIAGRAM

-NOT TO SCALE-

Sheet Title: MANTON INTERCEPTOR STA. 0+00 TO STA. 1+85			
Project: JOHNSTON INTERCEPTOR REPLACEMENT CONTRACT NO. 504			
Scale	Designed By	Drawn By	Checked By
AS NOTED	EJR/SI	TJR	SJL
Job Number	Date	Date	
S9309.06	JAN 96	JAN 96	
File Name: 9309_M1.DWG			Drawing No.: M-1
Providence, RI - Waltham, MA - Rocky Hill, CT - Nashua, NH			Sht. 3 of 33

Ferdinand C. Ihenacho, P.E.
~~XXXXXXXXXXXX~~

Director



m. Clement

VINCENT A. CIANCI, JR.

Mayor

Department of Public Works

"Building Pride In Providence"

June 14, 1996

Hon. Robert M. Clarkin
Chairman of the Public Works Committee
Providence City Council - City Hall
Providence, R.I. 02903

Re: Proposed Easement Within Right-of-Way
999--Manton Avenue / A.P.80
(Riverdale Village Apartments at Woonasquatucket Riv.)

Dear Councilman Clarkin:

This department has no objection to the proposed easement within a right-of way on Manton Avenue, as shown on Plan entitled, "Providence, R.I., P.W. Dept.- Engineering Office, Street Line Section, Plan No. 064578, Dated: 5/17/96". Easement within right-of-Way, is depicted in Sub-sketch, as shown on afore-mentioned plan. Said easement is 3'-6" long by 2 ft. wide by 30" high.

Easement request is petitioned to the City Council by the Narragansett Bay Commission relative to their flow meter control box at or near #999 Manton Avenue. Said flowmeter within proposed easement area, will be enclosed and mounted securely to concrete pad. The flowmeter will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.

If DPW can further assist you in this regard, please advise.

Very truly yours,

A handwritten signature in black ink, appearing to read "F. Ihenacho".

Ferdinand C. Ihenacho, P.E.
Director of Public Works

CC: Michael Clement - City Clerk
Director's File
JTM
JLC
SZ
(John D'Amico, Esq.- Ass't. City Solicitor)

CITY OF PROVIDENCE, RHODE ISLAND

MAYOR VINCENT A. CIANCI, JR.

Michael R. Clement
City Clerk

Clerk of Council



Jean M. Angelone
First Deputy

Barbara A. Poirier
Second Deputy

**DEPARTMENT OF CITY CLERK
CITY HALL**

MEMORANDUM

DATE: June 11, 1996

TO: Mr. Ferinand Ihenacho, Director of Public Works

SUBJECT: PETITION FOR AN EASEMENT WITHIN THE
RIGHT-OF-WAY ON MANTON AVENUE

CONSIDERED BY: Councilman Robert M. Clarkin, Chairman, Committee
on Public Works

DISPOSITION: The accompanying petition is referred to you for
study, report and recommendation and report back in
writing to the above-named committee as soon as
practical.

SECOND NOTICE

Barbara A. Poirier
SECOND DEPUTY CITY CLERK

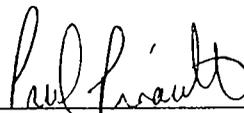
PETITION TO THE CITY COUNCIL

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The enclosure will be approximately four (4) feet tall by three (3) feet wide by sixteen (16) inches deep and be mounted securely on a concrete pad. The flowmeter within the enclosure will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.



Paul Pinault, P.E., Executive Director
Narragansett Bay Commission
235 Promenade Street, Suite 500
Providence, RI 02908-5739

Date: 3/26/96

Attachments

FLOW METER CHAMBER TO BE ABANDONED
FILL AS SPECIFIED; REMOVE ACCESS
AND RESTORE CONCRETE SIDEWALK

FLOW METER CONTROL BOX
SEE DETAIL ON THIS SHEET

PLUG AND ABANDON
EXIST. 16" (AC) SAN

FOR CONTIN
INTERCEPTOR

MANTON AVENUE

UTILITY POLE No. 211

DEWATER AND/OR STABILIZE SOILS WITHIN
THE BARRIER SET UP AS REQUIRED TO
FACILITATE JACKING OPERATION

PLUG AND ABANDON
EXIST. 16" (AC) SAN

METAL RAIL

METAL PIPE

SMH M-2

16" AC

24" SAN

24" SAN

24" SAN

24" SAN

SMH M-1 (84" DIA)

LIMITS OF PERMANENT EASEMENT

BORING
No. M-1
ELEV. = 65.30

JACKING PIT

BORING
No. RS-1
ELEV. = 65.60

LIMITS OF TEMPORARY EASEMENT

STAKED HAY BALES BACKED BY SILT
FENCE-SEE DETAIL ON DRAWING No. ES-1

INSTALL CONCRETE BLOCKS AND BAG BARRIERS
WITHIN THE RIVER TO DIVERT THE FLOW. REPEAT
SET UP FOR CONTINUATION OF PIPE JACKING
ACROSS OPPOSITE SIDE OF RIVER.

SEE DRAWING No. RS-1 FOR THE CONTINUATION
OF EXISTING 30" SAN SEWER AS IT MAY BE
REQUIRED FOR FLOW BYPASSING

RIVER FLOW

WOONASQUATUCKET RIVER

WE-A1

WE-A2

WE-A3

WE-A4

WE-A5

WE-A6

WE-A7

WE-A8

WE-A9

WE-A10

WE-A11

WE-A12

WE-A13

WE-A14

WE-A15

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WE-A143

WE-A144

WE-A145

PARKING

145 CB

RCP

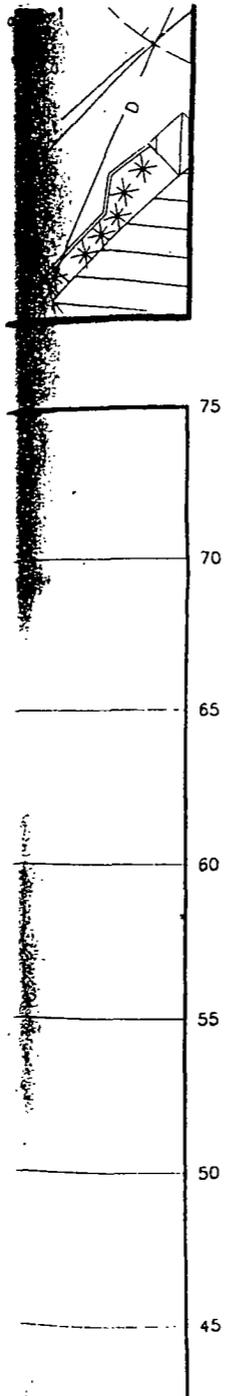
12"

1=59.41(SN)

1=59.41(M)

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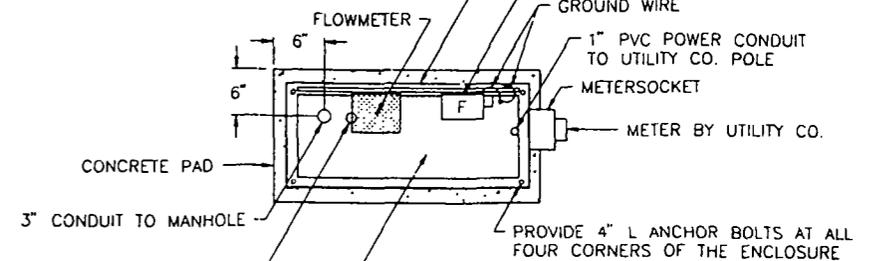
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Ferdinand C. Ihenacho, P.E.

~~XXXXXXXXXXXX~~

Director



VINCENT A. CIANCI, JR.

Mayor

Department of Public Works

"Building Pride In Providence"

June 14, 1996

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Chairman of the Public Works Committee
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Dear Councilman Clarkin:

This department has no objection to the proposed easement within a right-of way on Manton Avenue, as shown on Plan entitled, "Providence, R.I., P.W. Dept.- Engineering Office, Street Line Section, Plan No. 064578, Dated: 5/17/96". Easement within right-of-Way, is depicted in Sub-sketch, as shown on afore-mentioned plan. Said easement is 3'-6" long by 2 ft. wide by 30" high.

Easement request is petitioned to the City Council by the Narragansett Bay Commission relative to their flow meter control box at or near #999 Manton Avenue. Said flowmeter within proposed easement area, will be enclosed and mounted securely to concrete pad. The flowmeter will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.

If DPW can further assist you in this regard, please advise.

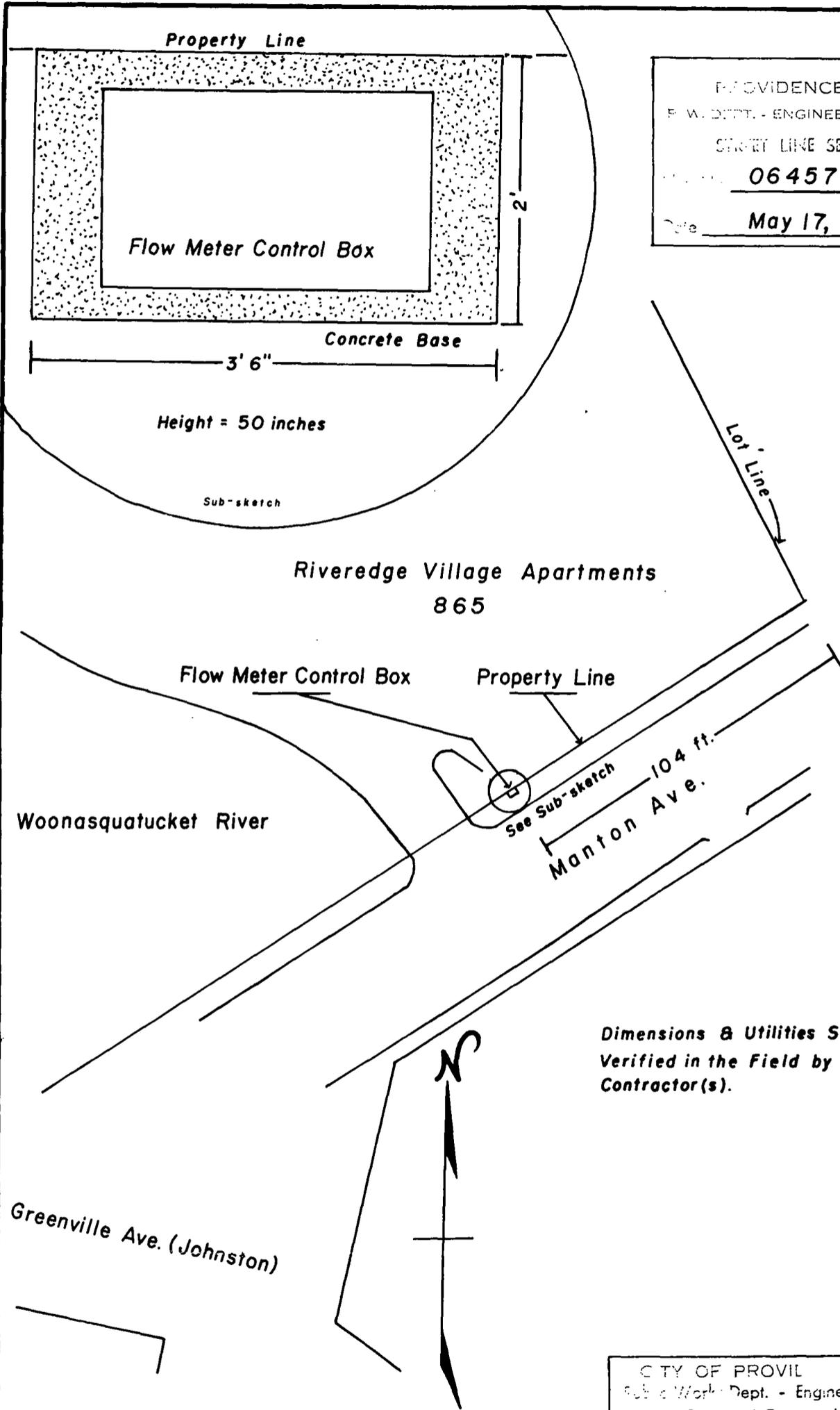
Very truly yours,

A handwritten signature in black ink, appearing to read "F. C. Ihenacho".

Ferdinand C. Ihenacho, P.E.
Director of Public Works

CC: Michael Clement - City Clerk
Director's File
JIM
JLC
SZ
(John D'Amico, Esq.- Ass't. City Solicitor)

PROVIDENCE, R. I.
 P. W. DUFFY - ENGINEERING OFFICE
 STREET LINE SECTION
 PROJECT NO. 064578
 DATE May 17, 1996



Dimensions & Utilities Shall be Verified in the Field by the Contractor(s).

Notes: See Sub-sketch for Easement Dimensions

CITY OF PROVIDENCE, R. I.
 Public Works Dept. - Engineering Office
 Proposed Easement within Right-of-way on Manton Ave.
 Checked by A. Zisiades
 Date 5-17-96
 Approved by James A. Morris Associate Engr.
 CHIEF ENGINEER

Lot Number Taken from A.P. 80

CITY OF PROVIDENCE, RHODE ISLAND

MAYOR VINCENT A. CIANCI, JR.

Michael R. Clement
City Clerk

Clerk of Council



Jean M. Angelone
First Deputy

Barbara A. Poirier
Second Deputy

**DEPARTMENT OF CITY CLERK
CITY HALL**

MEMORANDUM

DATE: June 11, 1996

TO: Mr. Ferinand Ihenacho, Director of Public Works

SUBJECT: PETITION FOR AN EASEMENT WITHIN THE
RIGHT-OF-WAY ON MANTON AVENUE

CONSIDERED BY: Councilman Robert M. Clarkin, Chairman, Committee
on Public Works

DISPOSITION: The accompanying petition is referred to you for
study, report and recommendation and report back in
writing to the above-named committee as soon as
practical.

SECOND NOTICE

Barbara A. Poirier
SECOND DEPUTY CITY CLERK

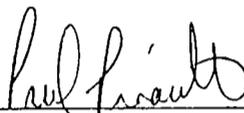
PETITION TO THE CITY COUNCIL

TO THE HONORABLE CITY COUNCIL OF THE CITY OF PROVIDENCE:

The undersigned respectfully petitions your honorable body

for an easement within the public right-of-way on Manton Avenue in the vicinity of the bridge crossing the Woonasquatucket River in the northwestern portion of the City of Providence for perpetuity to locate a free standing enclosure containing an electric meter, a flowmeter and a telephone. This enclosure will approximately be located approximately five feet (5') east of utility pole no. 211 in the vicinity of 999 Manton Avenue (see Attachment). The exact location of the enclosure will be finalized pending Dig Safe investigations and property line survey.

The enclosure will be approximately four (4) feet tall by three (3) feet wide by sixteen (16) inches deep and be mounted securely on a concrete pad. The flowmeter within the enclosure will measure the flowrate of the wastewater in the sewer which flows along the Woonasquatucket River.



Paul Pinault, P.E., Executive Director
Narragansett Bay Commission
235 Promenade Street, Suite 500
Providence, RI 02908-5739

Date: 3/26/96

Attachments

FLOW METER CHAMBER TO BE ABANDONED
FILL AS SPECIFIED; REMOVE ACCESS
AND RESTORE CONCRETE SIDEWALK

FLOW METER CONTROL BOX
SEE DETAIL ON THIS SHEET

PLUG AND ABANDON
EXIST. 16" (AC) SAN

FOR CONTIN
INTERCEPTOR

MANTON AVENUE

UTILITY POLE No. 211

DEWATER AND/OR STABILIZE SOILS WITHIN
THE BARRIER SET UP AS REQUIRED TO
FACILITATE JACKING OPERATION

PLUG AND ABANDON
EXIST. 16" (AC) SAN

SMH M-1 (84" DIA)

LIMITS OF PERMANENT EASEMENT

BORING
No. M-1
ELEV. = 65.30

LIMITS OF TEMPORARY EASEMENT

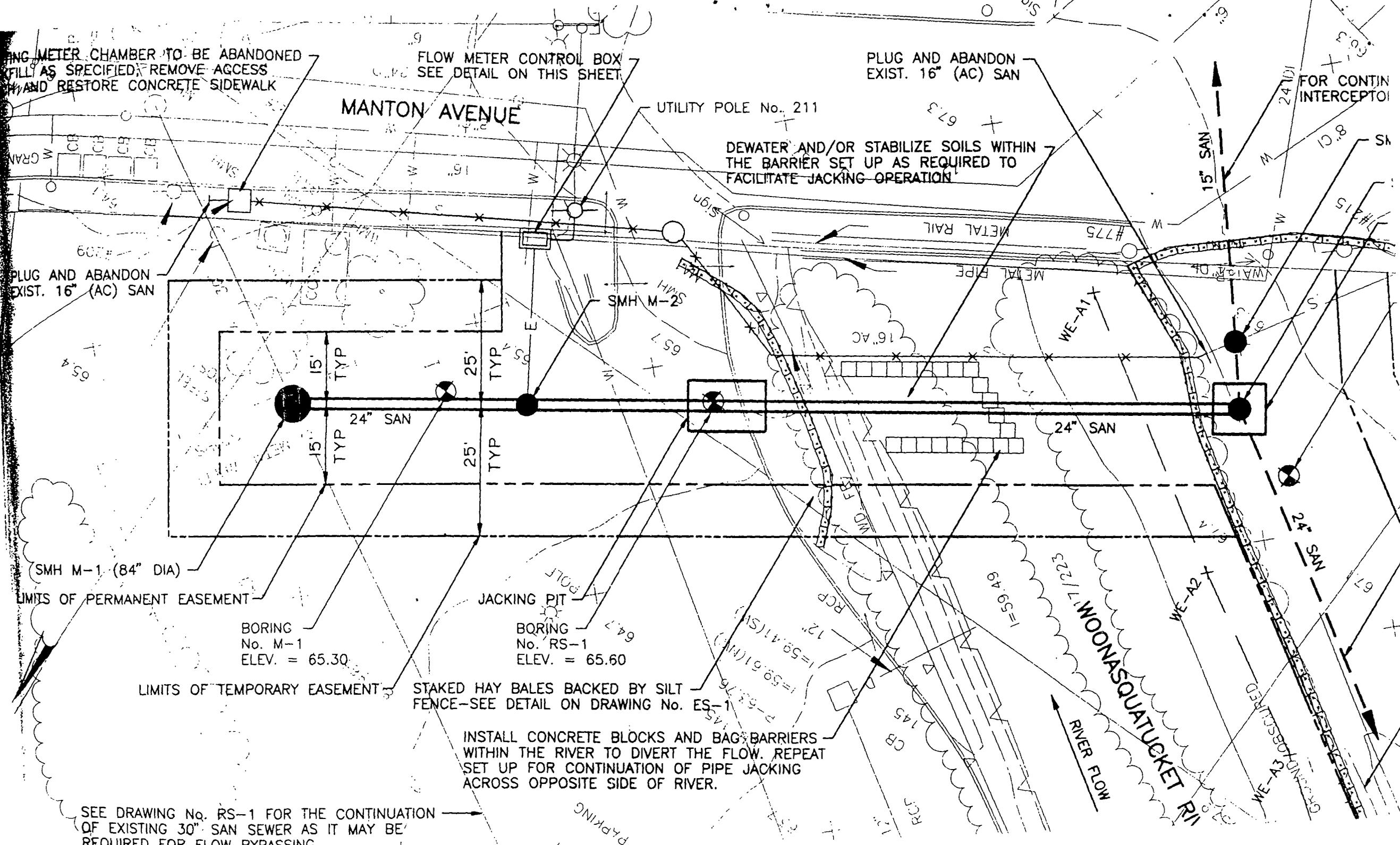
JACKING PIT

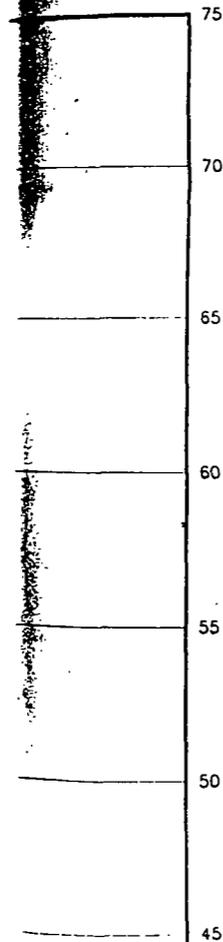
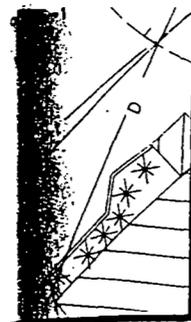
BORING
No. RS-1
ELEV. = 65.60

STAKED HAY BALES BACKED BY SILT
FENCE-SEE DETAIL ON DRAWING No. ES-1

INSTALL CONCRETE BLOCKS AND BAG BARRIERS
WITHIN THE RIVER TO DIVERT THE FLOW. REPEAT
SET UP FOR CONTINUATION OF PIPE JACKING
ACROSS OPPOSITE SIDE OF RIVER.

SEE DRAWING No. RS-1 FOR THE CONTINUATION
OF EXISTING 30" SAN SEWER AS IT MAY BE
REQUIRED FOR FLOW BYPASSING





3. MAINTAIN STAKED MAT BALES A:

ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF K.I.D.E.M.

PROVIDE 30 AMP, 1-PHASE, FUSED DISCONNECT SWITCH WITH 15 AMP, CLASS "R" FUSES. SWITCH SHALL BE SERVICE RATED, NEMA 1 TYPE, 2 WIRE, 1 BLADE WITH GROUNDED KIT & CLASS "R" FUSE KIT (SQ."D" CAT. #H211N/HRK30). MOUNT ON PLYBOARD BACKBOARD WITHIN ENCLOSURE.

PROVIDE SIDEWALK BOX ENCLOSURE (50"Hx36"Wx17"D) HENNESSY # LS503617 WITH THE FOLLOWING OPTIONS: BOLT LOCK #240544, HEATER #180265 & A HUNTER GREEN FINISH # T-10HP201145.

PROVIDE AN AREA VELOCITY FLOWMETER INSIDE THE ENCLOSURE (SIGMA 950AV.) WITH A TELEPHONE MODEM AND ALL OF ITS ACCESSORIES.

PROVIDE SHELF & BOLT METER TO SHELF

PROVIDE A TELEPHONE INTERFACE

PROVIDE A BUSHING & SEAL CONDUIT END AFTER PROBE IS INSTALLED

MOUNT BOX ENCLOSURE ON A REINFORCED CONCRETE PAD PROVIDED BY THE CONTRACTOR. PAD TO BE 3000 PSI CONCRETE, (42"x24"x6" DEEP)

FINISH GRADE

PROVIDE 4" L SHAPE ANCHOR BOLTS & BOLT DOWN ENCLOSURE (TYP. @ ALL CORNERS)

#4 @ 12" TIES EACHWAY

PROVIDE 3" (PVC) CONDUIT BELOW GRADE PITCH TO THE MANHOLE

PROVIDE LB ON CONDUIT (SIZE AS REQUIRED)

SEAL CONDUIT AFTER INSTALLATION OF PROBE

PROVIDE A 10"x3/8" COPPER GROUND ROD AND CADWELD ALL GROUND CONNECTIONS

PROVIDE 1" PVC CONDUIT FOR TELEPHONE WIRING. PROVIDE A BUSHING AND SEAL THE CONDUIT AFTER THE WIRING HAS BEEN INSTALLED. TELEPHONE WIRE BETWEEN THE POLE AND INTERFACE TO BE COMPLETED BY THE TELEPHONE COMPANY.

INSTALL PROBE AS PER MANUFACTURER'S REQUIREMENTS

PROVIDE 120V. RAINPROOF METERSOCKET PER UTILITY CO. STANDARDS & REQUIREMENTS. PROVIDE A MANUAL BY-PASS WITH A SAFETY SHIELD. MOUNT ON ENCLOSURE & PROVIDE A SEAL ON TOP & SIDES BETWEEN THE METERSOCKET & CABINET.

PROVIDE A SECONDARY SURGE ARRESTOR (SQ."D" #002175SB)

PROVIDE 2 #8 THHN & LEAVE SUFFICIENT SLACK FOR 120V. POWER CONNECTION BY UTILITY CO.

PROVIDE WEATHERHEADS (SIZE AS REQUIRED)

UTILITY POLE #211

PROVIDE RIGID STEEL CONDUIT UP POLE AS PER UTILITY CO. STANDARDS

PROVIDE 2 #8 THHN IN A 1" LIQUIDTIGHT FLEXIBLE CONDUIT

PROVIDE CONDUIT LB

PROVIDE 3 #12 MC CABLE

GROUND ENCLOSURE

PROVIDE #8 GROUND WIRE & CONNECT TO GROUND ROD

FINISHED GRADE

500 WATT, 120V. HEATER

CHANGE CONDUIT FROM PVC TO STEEL

18" CRUSHED STONE

GROUND TIES

PROVIDE 1" PVC CONDUIT WITH 2 #8 THHN SEAL CONDUIT

PLYWOOD BACKBOARD FOR MOUNTING EQUIPMENT HENNESSY PANEL KIT #231626

30A. FUSED DISCONNECT SWITCH

GROUND WIRE

1" PVC POWER CONDUIT TO UTILITY CO. POLE

METERSOCKET

METER BY UTILITY CO.

CONCRETE PAD

3" CONDUIT TO MANHOLE

PROVIDE 4" L ANCHOR BOLTS AT ALL FOUR CORNERS OF THE ENCLOSURE

NOTES:

1. ALL BURIED CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW THE FINISH GRADE WITH A WARNING TAPE INSTALLED 12" BELOW THE FINISH GRADE.
2. INSTALLATION OF ELECTRICAL ITEMS SHALL BE, IN STRICT ACCORDANCE WITH THE NATIONAL AND STATE ELECTRIC CODES (WHICHEVER IS THE STRICTEST) AND IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER AND THE UTILITY COMPANY.

WOONASQUATUCKET RIVER CROSSING

GENERAL NOTES FOR PIPE JACKING OPERATION:

1. CONDUCT ALL WORK DURING LOW RIVER FLOW CONDITIONS.
2. INSTALL AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS AS SHOWN AND AS SPECIFIED BY THE ENGINEER.
3. INSTALL RIVER FLOW CONTROL BARRIERS ACROSS RIVER AS SHOWN TO ISOLATE AREA WHERE PIPE SLEEVE IS TO BE JACKED FROM RIVER FLOWS.
4. STABILIZE SOILS IN RIVER BOTTOM AS REQUIRED AND SPECIFIED TO FACILITATE JACKING OF PIPE SLEEVE WITHOUT LOSS OF RIVER SOILS AND/OR GROUNDWATER INTO JACKING FACE. INSTALLATION OF SHEETING WITHIN THE RIVER WILL NOT BE AN ACCEPTABLE MEANS OF CONTROLLING WATER.
5. PROVIDE DEWATERING AS REQUIRED AND SPECIFIED TO CONTROL WATER IN AREA OF WORK.
6. CONSTRUCT JACKING AND RECEIVING PITS TO PROVIDE SUFFICIENT ROOM AND SUPPORT FOR JACKING OPERATIONS.
7. MAINTAIN STONE WALL ON EAST BANK OF RIVER.
8. JACK PIPE SLEEVE ACROSS RIVER TO LIMIT OF RIVER FLOW CONTROL BARRIERS.
9. RELOCATE RIVER FLOW CONTROL BARRIERS AS REQUIRED TO ISOLATE THE REMAINING AREA UNDER THE RIVER TO BE JACKED FROM RIVER FLOWS. STABILIZE SOILS AND CONTINUE JACKING OPERATION TO RECEIVING PIT.
10. COMPLETE PIPE INSTALLATION IN ACCORDANCE WITH JACKING DETAILS AS SHOWN ON DRAWING No. CD-1.
11. REMOVE FLOW CONTROL BARRIERS FROM RIVER AFTER COMPLETION OF WORK.

EROSION AND SEDIMENTATION CONTROL NOTES

PRIOR TO CONSTRUCTION:

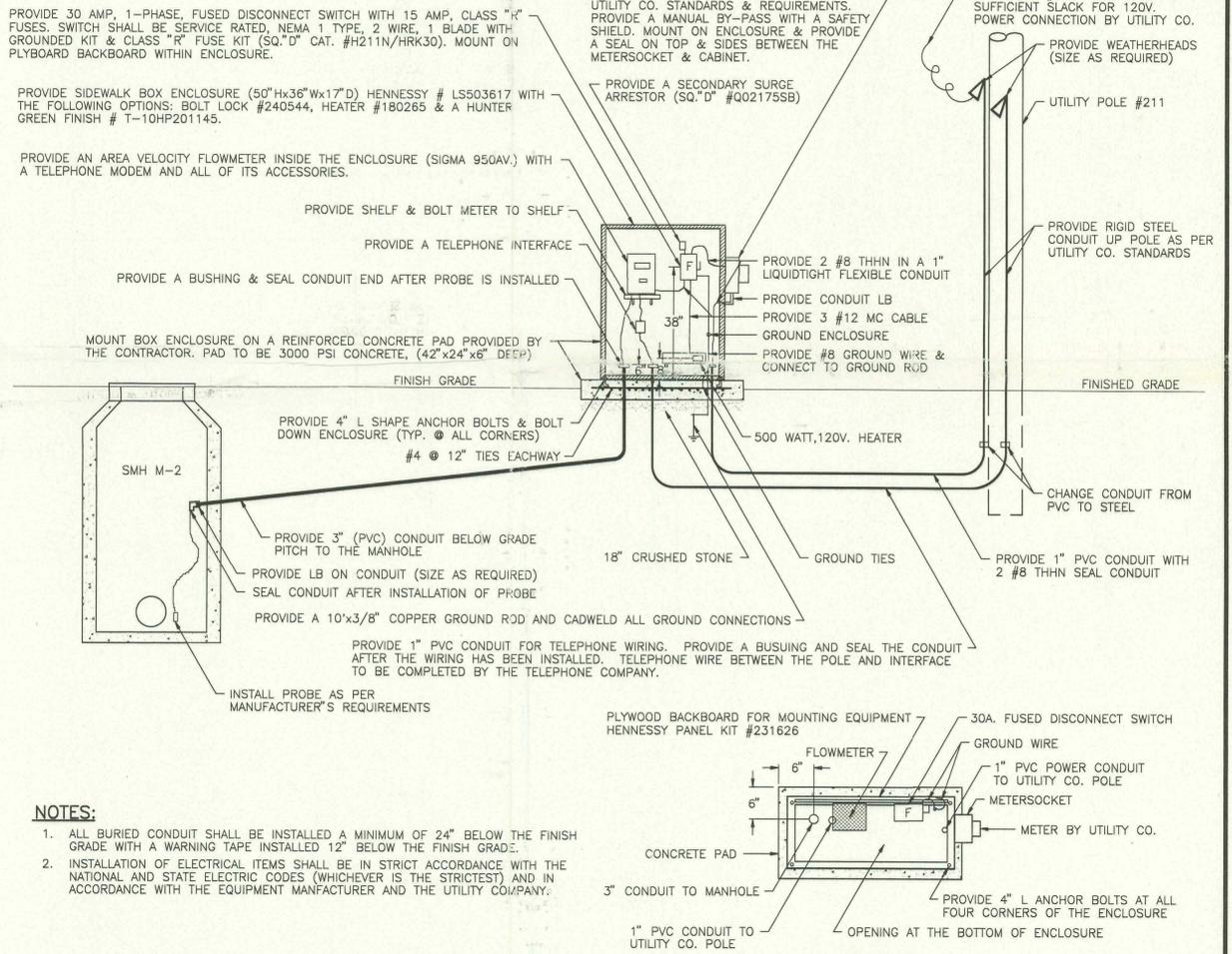
1. CLEAR VEGETATION WITHIN THE PROJECT LIMITS ONLY AS REQUIRED TO COMPLETE WORK. CONDUCT ANY CLEARING SUCH THAT NO BRUSH IS DEPOSITED IN THE RIVER.
2. INSTALL PERIMETER HAY BALES AND SILT FENCE AS SHOWN ON EACH SIDE OF RIVER AT THE LIMITS OF ALL WORK LOCATIONS.

DURING CONSTRUCTION:

1. INSTALL RIVER FLOW CONTROL BARRIERS FROM BANKS OF RIVER ONLY. MINIMIZE SEDIMENTATION IN THE RIVER TO THE GREATEST EXTENT FEASIBLE DURING BARRIER PLACEMENT AND REMOVAL.
2. PROPERLY MAINTAIN ALL EROSION AND SEDIMENTATION CONTROLS THROUGHOUT CONSTRUCTION.
3. PUMP WATER FROM ADJACENT DEWATERING OPERATIONS SHOULD BE DIRECTED TO A SETTLING BASIN CONSTRUCTED IN ADJACENT UPLANDS. TURBID WATER CANNOT BE PUMPED INTO THE RIVER.

POST CONSTRUCTION:

1. MINIMIZE SEDIMENT TRANSPORT FROM ADJACENT WORK AREAS TO PREVENT SILTATION IN RIVER.
2. LOAM, SEED AND INSTALL JUTE NETTING OR EQUIVALENT ON ANY BANK AREAS DISTURBED BY THE CONSTRUCTION.
3. MAINTAIN STAKED HAY BALES AND SILT FENCE UNTIL ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF R.I.D.E.M.

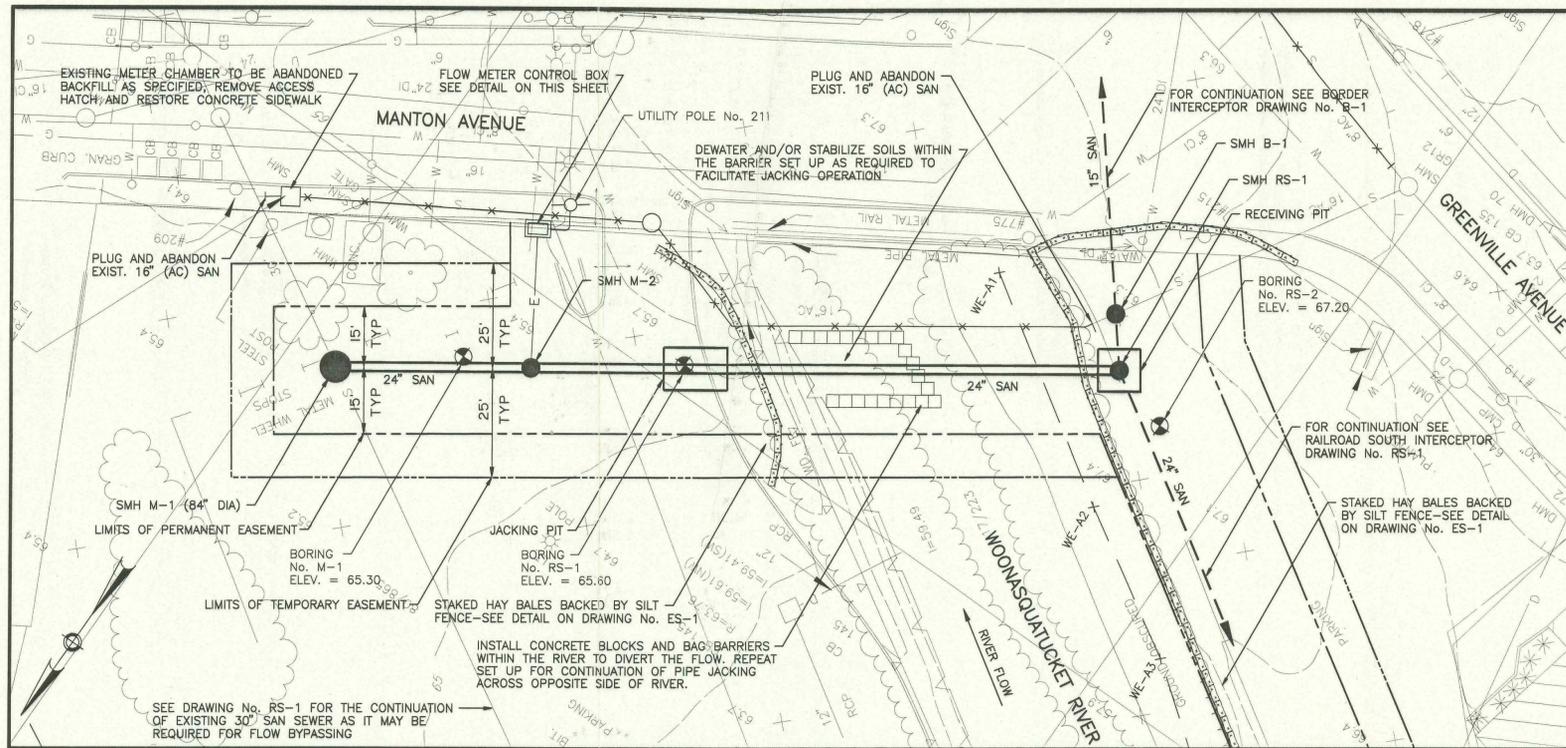


NOTES:

1. ALL BURIED CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW THE FINISH GRADE WITH A WARNING TAPE INSTALLED 12" BELOW THE FINISH GRADE.
2. INSTALLATION OF ELECTRICAL ITEMS SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL AND STATE ELECTRIC CODES (WHICHEVER IS THE STRICTEST) AND IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER AND THE UTILITY COMPANY.

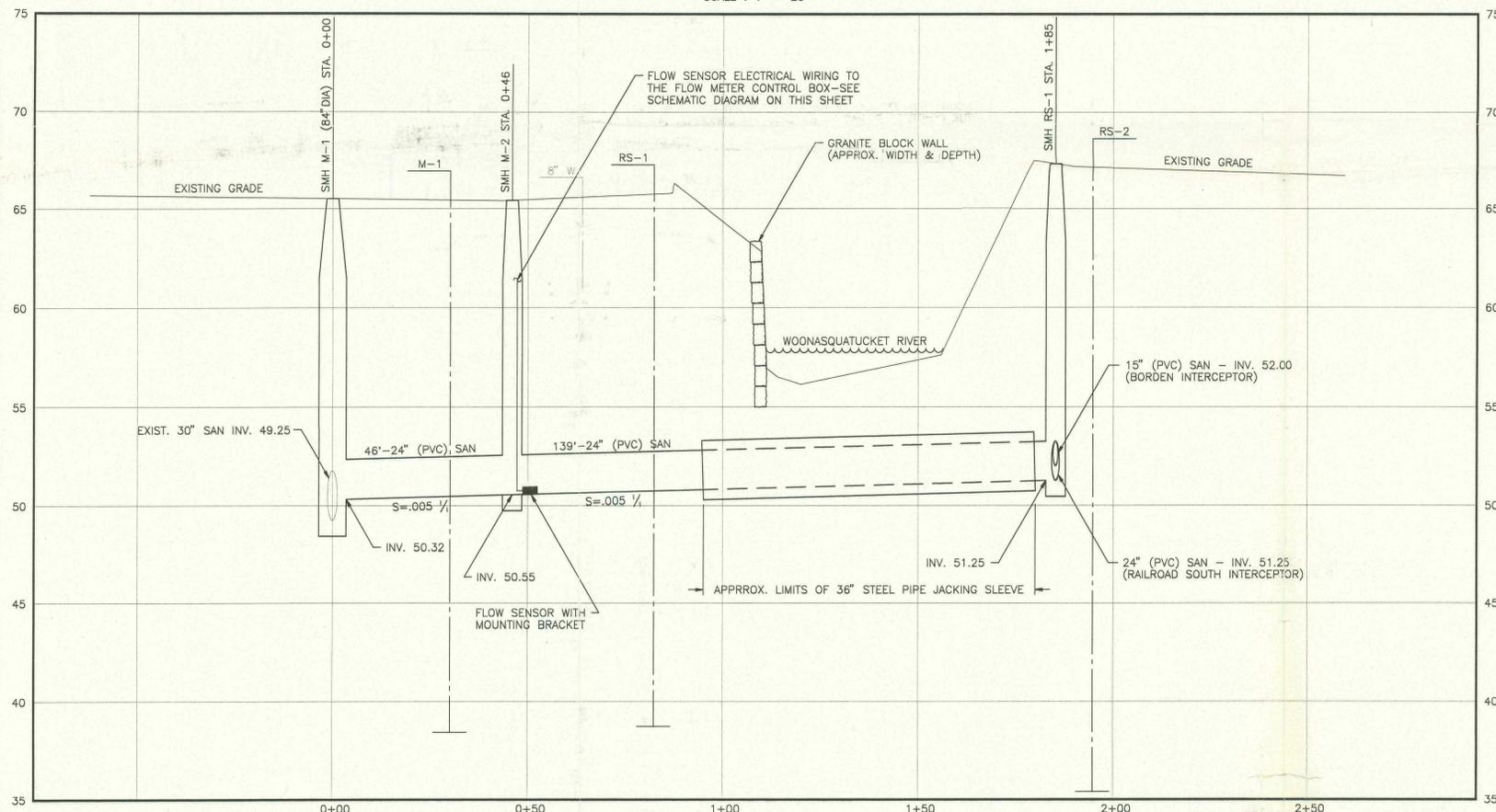
FLOW METER ELECTRICAL INSTALLATION SCHEMATIC DIAGRAM

-NOT TO SCALE-



PLAN

SCALE: 1" = 20'

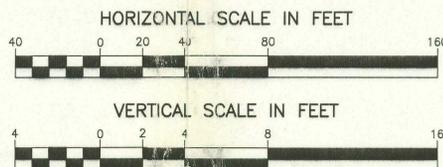


PROFILE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 4'

NOTES:

1. SET MANHOLE RIMS FLUSH WITH GRADE.
2. THE BORDEN INTERCEPTOR FROM MANHOLE SMH B-1 TO SMH RS-1 AND THE MANTON INTERCEPTOR MUST BE COMPLETELY INSTALLED, TESTED AND ACCEPTED, INCLUDING THE FLOW METER PRIOR TO THE ABANDONMENT OF THE 16" (AC) SAN SEWER AS INDICATED.
3. RESTORE ALL AREAS DISTURBED OR DAMAGED IN ACCORDANCE WITH THE GENERAL NOTES AND AS SPECIFIED.
4. REPAIR BITUMINOUS PARKING AREA PAVEMENT AT THE "RIVEREDGE VILLAGE APARTMENTS" IN ACCORDANCE WITH THE TOWN ROAD PAVEMENT REPAIR DETAILS SHOWN ON DRAWING No. CD-2, UNLESS SPECIFIED OTHERWISE BY THE ENGINEER.
5. PROVIDE A CONTINUOUS ACCESS TO THE "RIVEREDGE VILLAGE APARTMENTS" PARKING AREA AND PROVIDE A TEMPORARY ENTRANCE ROAD AS REQUIRED.
6. FOR JACKING SLEEVE DETAILS SEE DRAWING No. CD-1.



NO.		DESCRIPTION		DATE	BY
REVISIONS					
Sheet Title: MANTON INTERCEPTOR STA. 0+00 TO STA. 1+85					
Project: JOHNSTON INTERCEPTOR REPLACEMENT CONTRACT NO. 504					
Johnston		Rhode Island			
Scale	Designed By	Drawn By	Checked By	Job Number	Date
AS NOTED	EJR/SI	TJR	SJL	S9309.06	JAN 96
Keyes Associates Architects Engineers Planners Interior Designers Providence, RI - Waltham, MA - Rocky Hill, CT - Nashua, NH					File Name: 9309_M1.DWG Drawing No: M-1 Sht. 3 of 33

RESOLUTION OF THE CITY COUNCIL

No. 323

Approved June 16, 1997

IT IS HEREBY RESOLVED, That His Honor the Mayor, is authorized to grant a non-exclusive surface easement on Manton Avenue in the City of Providence to the Narragansett Bay Commission. Said easement shall be granted specifically upon the following conditions and within the following parameters:

1. Said easement shall be utilized only for the installation and maintenance of free standing enclosure containing an electric meter, flow meter and telephone. Said easement shall not exceed the area indicated on the accompanying maps attached and marked as Exhibits "A". (i.e. Department of Public Works Street line Section Plan No. 064578 dated 17 May 1996.) and "B" and "C".

2. Said easement shall be deemed to run with the land and shall operate against any successors in title and the easement or a memorandum of same shall be recorded in the Office of Land Records for the City of Providence.

3. Said easement shall be subject to a right of reverter/right of reversion in the event that the situs of the easement is no longer utilized for the aforesated purposes. Additionally, it shall be for a term of not more than twenty (20) years

4. Any breakout necessary for installation and/or repair or replacement shall be resurfaced/rehabilitated to the approval of the Director of the Department of Public Works.

5. Any installation of utilities or utility lines shall be underground so as to preserve the public right of way.

6. Any installation of electrical mechanism shall be to the approval of the Director of the Department of Inspection & Standards.

7. The Narragansett Bay Commission shall not construct or affix to the realty any temporary or permanent structure other than said enclosure, meters and telephone.

8. The Narragansett Bay Commission shall execute an indemnification and hold harmless agreement indemnifying the City of Providence, its agents,

officers, servants and employees. Said agreement shall approved by the Department of Law of the City of Providence.

9. The Narragansett Bay Commission shall supply the City of Providence with an insurance policy naming said City of Providence, its agents, officers, servants and employees as an additional-named insured in a sum not less than one hundred thousand dollar (\$100,000.00), which policy shall be approved by the Department of Law of the City of Providence.

10. The easement granted hereunder shall be subordinate to any easements rights of way, etc. that currently exist.

11. The Petitioner shall undertake construction and installation so as to protect the integrity of existing uses by Nynex.

12. The Petitioner shall undertake construction and installation so as to protect the integrity of existing uses by Providence Gas Company.

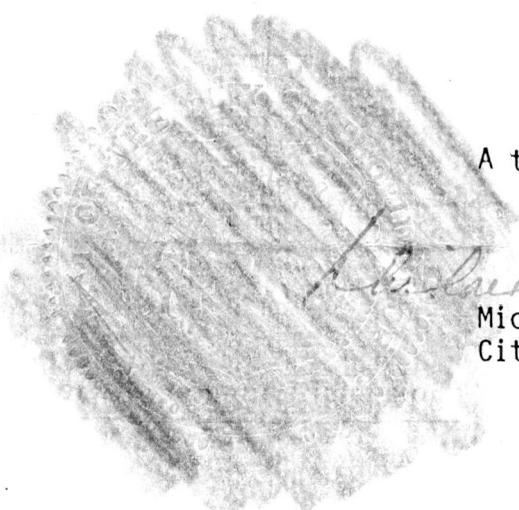
13. The Petitioner shall at all times maintain minimum clearances from overhead wires as said requirements exist by relevant OSHA law.

14. Petitioner shall notify the City of Providence Department of Public Works, in writing, of the "as built" location of the enclosure.

15. Upon receipt by the City Clerk that the Providence Fire Department and the Providence Police Department have on objection to this grant.

16. Such other terms and conditions as may be reflected in the record and minutes of the City Council Committee on Public Works or which may be deemed appropriate by the Department of Law of the City of Providence.

A true copy,
Attest:


Michael R. Clement
Michael R. Clement
City Clerk

Property Line

BK 3582760158
 PROVIDENCE, R. I.
 P. W. DEPT. - ENGINEERING OFFICE
 STREET LINE SECTION
 Plan No. 064578
 Date May 17, 1996

Flow Meter Control Box

Concrete Base

3' 6"

Height = 50 inches

Sub-sketch

Riveredge Village Apartments
865

Flow Meter Control Box

Property Line

See Sub-sketch

104 ft.

Manton Ave.

Woonasquatucket River

Dimensions & Utilities Shall be
Verified in the Field by the
Contractor(s).

Greenville Ave. (Johnston)

Notes: See Sub-sketch for Easement Dimensions

CITY OF PROVIDENCE, R. I.
 Public Works Dept. - Engineering Office
 Showing Proposed Easement within Right-of-way on Manton Ave.
 Drawn by A. Zisiades Checked by _____
 Scale 1" = 40' Date 5-17-96
 Corrected James A. M... Associate Engr.
 Approved _____
 CHIEF ENGINEER

Lot Number Taken from A.P. 80

BY 3582 PG 04517

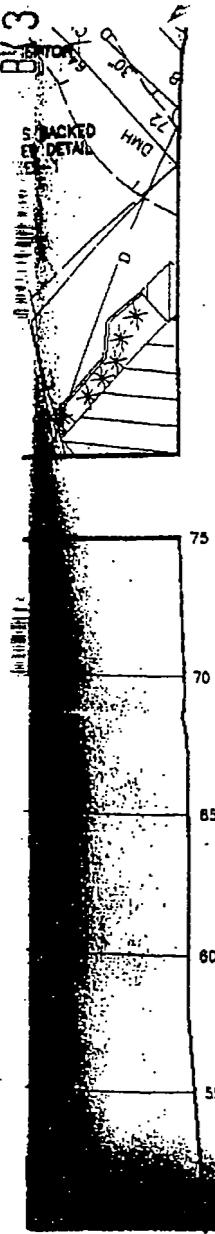
10004

CALLS VLERIA DET1

3 3401 441 0484

4004

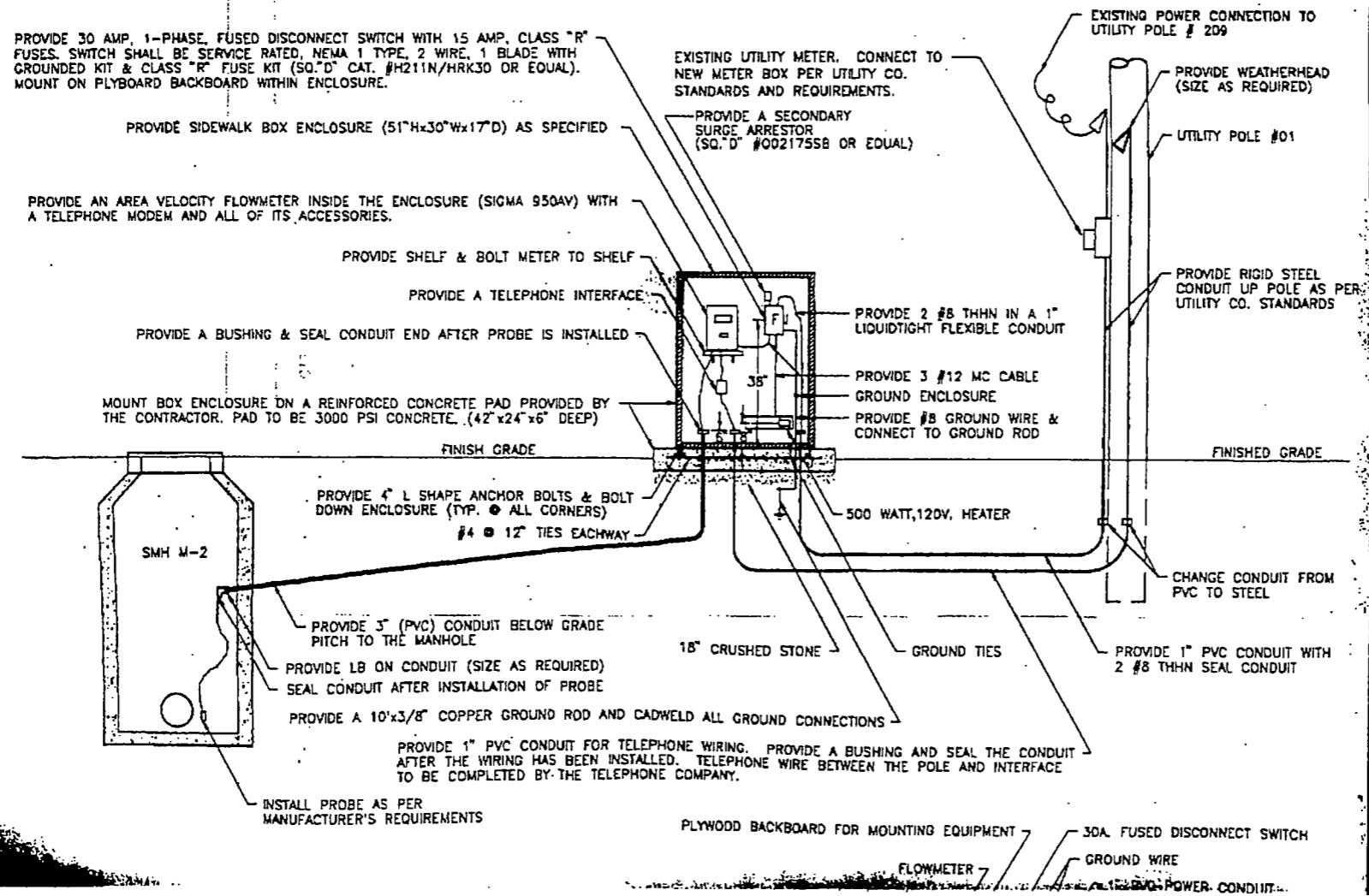
00000001



2. PREVENT EROSION AND SEDIMENTATION DURING CONSTRUCTION.
3. PUMP WATER FROM ADJACENT DEWATERING OPERATIONS SHOULD BE DIRECTED TO A SETTLING BASIN CONSTRUCTED IN ADJACENT UPLANDS. TURBID WATER CANNOT BE PUMPED INTO THE RIVER.

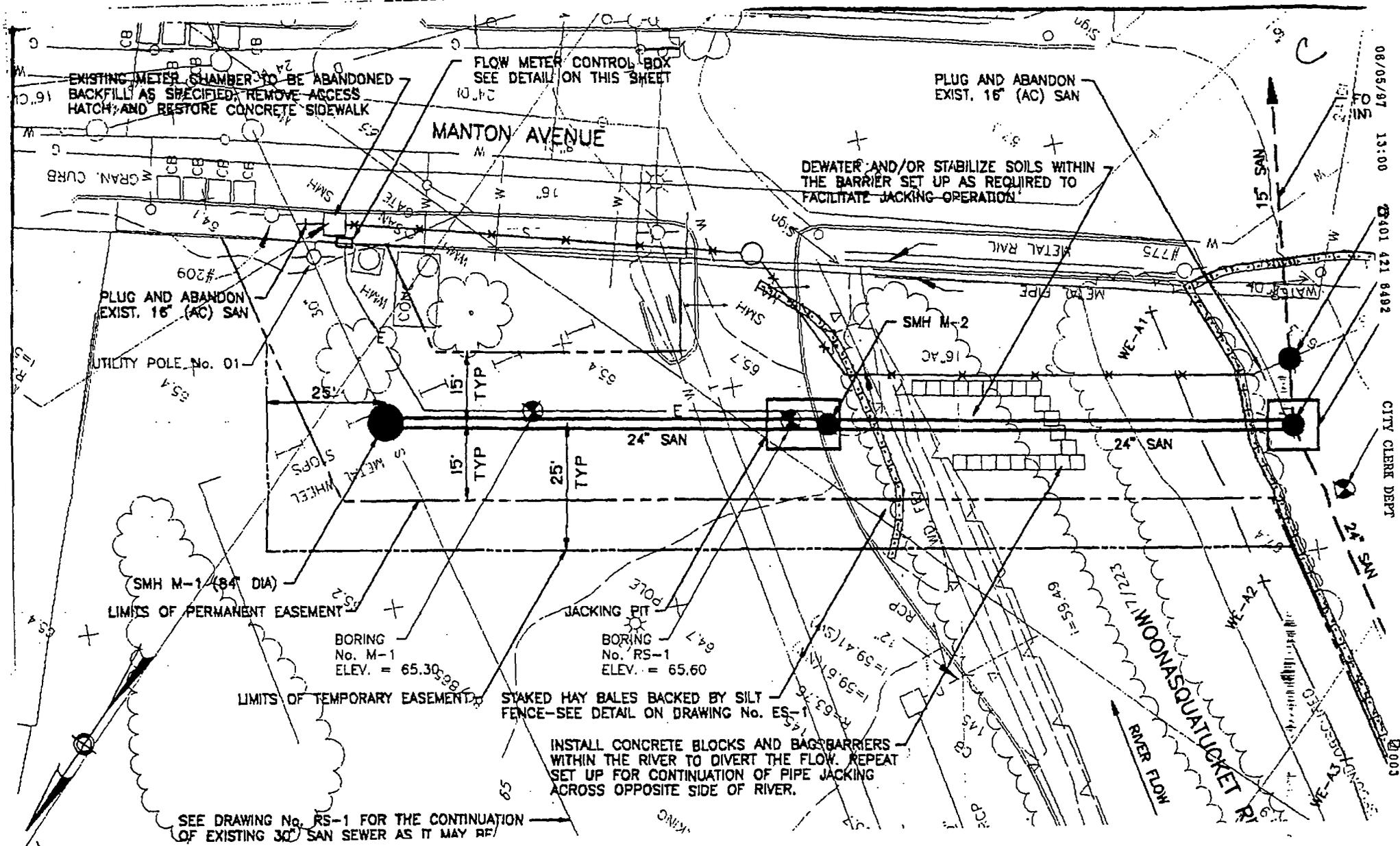
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3. MAINTAIN STAKED HAY BALES AND SILT FENCE UNTIL ALL SOILS HAVE STABILIZED TO THE SATISFACTION OF R.I.D.E.M.



B

BK 3582960158



JUN 30 1997

Received for Record at 8 o'clock 34 min A
 Recorder of Deeds
 Robert L. Riccio

08/05/97 13:00
 0401 421 8482
 CITY CLERK DEPT

C

22441

8 39 FOR RECORD
minutes
and placed in book page
of record of

JUN 30 1997

Providence, R.I.
Witness Robert L. Ricci
Recorder of Deeds
Fee