UTILITIES COMMISSION
CITY OF NEW SMYRNA BEACH, FLORIDA

SPRUCE STREET
WATER MAIN REPLACEMENT

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PROJECT DESCRIPTION:
ALL WORK, MATERIALS AND EQUIPMENT SHALL MEET OR EXCEED THE REQUIREMENTS OF THE LATEST EDITION OF "ROUGH WATER RULES, DESIGN AND CONSTRUCTION SPECIFICATIONS" AND "ELECTRIC RULES AND STANDARDS", UTILITIES COMMISSION, CITY OF NEW SMYRNA BEACH, FLORIDA.

THE URBAN INTEND TO INSTALL APPROXIMATELY 1,284 LINEAR FEET OF 6" PVC WATER MAIN INCLUDING (3) FIRE HYDRANTS, (14) WATER SERVICES AND (3) CONNECTIONS TO THE EXISTING WATER SYSTEM.

ENGINEERING INFORMATION
ENGINEER OF RECORD: JOHN N. HALE
LICENSE NUMBER: 69975
NAME AND ADDRESS OF BUSINESS:
UTILITIES COMMISSION, CITY OF NEW SMYRNA BEACH
200 CANAL STREET
NEW SMYRNA BEACH, FLORIDA 32168
CERTIFICATE OF AUTHORIZATION NUMBER: N/A

PREPARED FEBRUARY 2021

ITB NO.
08-21

SPRUCE ST MM REPLACEMENT
NEW SMYRNA BEACH, FLORIDA
Sheet 1 of 7
SPRUCE ST MM Replacement
NOTES:
1. THE SELECTED CONTRACTOR WILL BE RESIGNED FOR ALL MAINTENANCE OF TRAFFIC PLANS AND DEVICES. PRIOR TO MOBILIZATION, THE SELECTED CONTRACTOR WILL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE COUNTY FOR REVIEW AND APPROVAL.
2. PVC PIPE SHALL CONFORM TO AWWA C900, C905 & C906, SHALL HAVE MINIMUM DIMENSION RATIO [D/R] 18 AND BE THE COLOR BLUE. PVC PIPE MUST BE CAPABLE OF CONNECTING TO STANDARD DUCTILE IRON VALVES & FITTINGS USING MECHANICAL JOINTS.
3. PVC PIPE SHALL BE ADEQUATELY RESTRAINED AGAINST MOVEMENT DUE TO THE RESULTANT THRUST AT THE SPECIFIED TEST PRESSURE PER THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA).
4. IF THE WATER MAIN IS CLEARED FOR USE, LIECUT FIELD OPERATIONS WILL CONNECT THE NEW WATER SERVICE TO THE EXISTING WATER MAIN. THE CONTRACTOR SHALL INSTALL NEW WATER SERVICE NO LESS THAN ONE FOOT FROM THE EXISTING WATER SERVICE.
5. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY LEAKS OR DAMAGES TO THE EXISTING WATER MAIN DURING CONSTRUCTION.

BID PLANS
UTILITIES COMMISSION
CITY OF
NEW SMYRNA BEACH, FLORIDA
SPRUCE STREET
WATER MAIN REPLACEMENT
SPRUCE STREET SITE PLAN

ENGINEERING INFORMATION
ENGINEER OF RECORD: VAN N. NOLI
LICENSE NUMBER: 90797

NAME AND ADDRESS OF BUSINESS:
UTILITIES COMMISSION, CITY OF NEW SMYRNA BEACH
200 CANAL STREET
NEW SMYRNA BEACH, FLORIDA 32168

CERTIFICATE OF AUTHORIZATION NUMBER: N/A

DATE OF COMPLETION: 09/10/2012

ISSUED:

DRAWN: D.O. HALL

DATE OF DRAWING: 08/30/2012

SCALE: AS SHOWN
SHEET: 4 OF 7

ITEM NO. 08-21

CALL 2 WORKING DAYS BEFORE YOU DUG
ITS THE LAW
DIAM. 811

NOTES:
WHEN MULTIPLE SHEETS COM普E THE PLAN, NO SINGLE SHEET SHALL BE CONSIDERED FULL AND COMPLETE, WITHOUT THE OTHERS.
CONCRETE SURFACES

- Replacement subbase material: 1 1/2" minus 75
- Trench fill: 4" SOIL CEMENT or 6" LIMESTONE
- Filter fabric: S11 Flow

ASPHALT SURFACES

- Trench fill: 4" SOIL CEMENT or 6" LIMESTONE
- Filter fabric: S11 Flow

NOTES:
1. Public road crossings shall be back-filled with granular material and topped with 10" inches of a soil cement base course material. Backfill shall be a mixed mixture of the maximum dry density per ASTM T-180, or ASTM D1557.
2. Trench walls shall be sheeted in areas where side slopes would interfere with existing utilities improvements, or extend beyond the subgrade or right-of-way limits.
3. Excavation and sheeting and bracing shall comply with the trench safety act, as amended, 290-96 of the Florida statutes and the latest edition of the footway construction manual.
4. Pavement areas shall be restored and shall match existing grade. The entire roadway section shall be resurfaced if the longitudinal cut exceeds side of the width of the roadway.

TRENCHING IN PAVED AREAS

- Construction plans:
- 6" MIN.
- 10" SOIL CEMENT or 10" LIMESTONE BASE

MINOR SIDEWALK ROADWAY PAVEMENT RESTORATION

- 1 1/2" TYPE S ASPHALT CONCRETE
- 10" SOIL CEMENT (PLANT MIXED 3000 PSI) or 10" LIMESTONE BASE

TYPICAL SECTION

D. Hale
09/10/05

ENGINEERING INFORMATION

- Name of Record: D. Hale
- License Number: 68077
- Name and Address of Business:
- Utilities Commission, City of New Smyrna Beach
- 200 Canal Street
- New Smyrna Beach, Florida 32168
- Certificate of Authorization: N/A

BID PLANS

UTILITIES COMMISSION

WATER MAIN REPLACEMENT CONSTRUCTION DETAILS

SPRING STREET

NEW SMYRNA BEACH, FLORIDA

WATER MAIN REPLACEMENT

DRY A REPRI

SHEET 5 OF 7

SCALE: NONE

09/05/05

FEMA BALLIY

DATE: NSB

FIELD INVESTIGATION

APP. 3 OF 5

9/21