GENERAL NOTES:
1. ALL EXISTING UTILITIES, EXCEPT THOSE SHOWN ON THE PLANS, ARE OWNED BY THE CITY OF MELBOURNE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, ALIGNMENT, AND ELEVATION OF ALL EXISTING UTILITIES, EXCEPT THOSE OWNED BY THE CITY OF MELBOURNE.
3. THE CONTRACTOR SHALL MAKE ORGANIC PLANS OF THE EXISTING UTILITIES TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE COMMENCEMENT OF THE WORK.
4. THE CONTRACTOR SHALL MAKE ORGANIC PLANS OF THE EXISTING UTILITIES TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE COMMENCEMENT OF THE WORK.
5. THE CONTRACTOR SHALL MAKE ORGANIC PLANS OF THE EXISTING UTILITIES TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE COMMENCEMENT OF THE WORK.
6. THE CONTRACTOR SHALL MAKE ORGANIC PLANS OF THE EXISTING UTILITIES TO THE PUBLIC WORKS DEPARTMENT PRIOR TO THE COMMENCEMENT OF THE WORK.

SPECIFIC CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, ALIGNMENT, AND ELEVATION OF ALL EXISTING UTILITIES, EXCEPT THOSE OWNED BY THE CITY OF MELBOURNE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, ALIGNMENT, AND ELEVATION OF ALL EXISTING UTILITIES, EXCEPT THOSE OWNED BY THE CITY OF MELBOURNE.
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5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, ALIGNMENT, AND ELEVATION OF ALL EXISTING UTILITIES, EXCEPT THOSE OWNED BY THE CITY OF MELBOURNE.

SURVEY NOTES:

1. ORTHOMAGNETIC SURVEY POINTS MARKED AND PERFORMED FOR STORMWATER IMPROVEMENTS.
2. ORTHOMAGNETIC SURVEY POINTS MARKED AND PERFORMED FOR STORMWATER IMPROVEMENTS.
3. ORTHOMAGNETIC SURVEY POINTS MARKED AND PERFORMED FOR STORMWATER IMPROVEMENTS.
4. ORTHOMAGNETIC SURVEY POINTS MARKED AND PERFORMED FOR STORMWATER IMPROVEMENTS.
CITY OF SATELLITE BEACH
PARK AVENUE IMPROVEMENTS
(S. PATRICK TO SRA1A)

G-003

PAY ITEM NO. | PAY ITEM DESCRIPTION | UNITS | QUANTITIES | TOTAL | SUP ALT
--- | --- | --- | --- | --- | ---
102-1 | AWWA D2030 | LS | 350 | 1 | 1
102-1 | MAINTAINANCE OF TRAFFIC | LS | 65 | 1 | 1
106-18 | INLET PROTECTION SYSTEM | EA | 3 | 3
110 | CLEANSING & GRADING | LS | 3 | 3
285-104 | DRAINAGE BASE, BASE GROUT 94 | SY | 125 | 1 | 125
297-205 | MILLING EVERY 200ft | SY | 1100 | 1 | 1100
2481-12 | SUPERFACED ASPHALT CONCRETE TRAFFIC C, BP/S | YD | 112 | 1 | 112
2452-140 | INLET D805 TYPE T-03 | EA | 1 | 1
2452-141 | INLET D805 TYPE T-03 | EA | 1 | 1
2452-142 | MANHOLES JS-107 | EA | 1 | 1
2452-143 | MANHOLES JS-103 | EA | 1 | 1
405-75-1-15 | 10" FIP POLYPROPYLENE, ROUND, 1SF | LF | 100 | 1 | 100
405-75-1-14 | 10" FIP POLYETHYLENE, ROUND, 1SF | LF | 100 | 1 | 100
530-3 | CONCRETE CURB, MANUAL | LF | 1000 | 1 | 1000
532-1 | CONCRETE CURB AND GROOVE, 4" THICK | SY | 100 | 1 | 100
532-2 | CONCRETE CURB AND GROOVE, 5" THICK | SY | 24 | 1 | 24
532-5 | DETECTABLE WARNING | SF | 10 | 1 | 10
580-4-243 | LANDSCAPE - PALM, SABAL PALM | LF | 175 | 1 | 175
580-4-472 | LANDSCAPE - PALM GOEBLENS | LF | 175 | 1 | 175
195-3-203 | LANDSCAPE TREE, LIME, DAVID WILSON, 11-14 O.D. | EA | 2 | 2
195-2-141 | LANDSCAPE TREE, RED | EA | 2 | 2
171-1-123 | THINNING; STANDARD; WARES, 3/4" FOR 12" CROSSWALK | LF | 60 | 1 | 60
171-11-135 | THINNING; STANDARD; WARES, 3/4" FOR STOP LINE AND CROSSWALK | LF | 48 | 1 | 48
1030-16-222 | UTILITY PIPE, ADJUSTABILITY PVC, SEWER, 4" LATERAL REPAIR | EA | 1 | 1

Pay Item Notes:
1. PAY ITEM 101-1 TO INCLUDE PRE AND POST CONSTRUCTION VIDEO DOCUMENTATION OF PROJECT SITE AND ADJACENT AREAS, FIELD LOCATE AND EXPOSE EXISTING UTILITIES, SURVEY, LAYOUT AND AS BUILT
2. PAY ITEM 102-1 TO INCLUDE ALL WORK NEEDED TO PROVIDE TEMPORARY TRAFFIC CONTROL PER FOOT REQUIREMENTS
3. PAY ITEM 410 TO INCLUDE ALL WORK NEEDED TO REMOVE TREES/EXCAVATION SHOWN. PROJECT TREES/EXCAVATION SHOWN TEMPORARY RELOCATION OF RESIDENT REFUSE CONTAINERS IF IN PLACE DURING CONSTRUCTION CITY TO PROVIDE COLLECTION SCHEDULE TO CONTRACTOR. COORDINATION OF UTILITY SERVICE THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY. CONTRACTOR SHALL UTILIZE TEMPORARY MAILBOXES AND/OR TEMPORARY RELOCATION OF EXISTING MAILBOXES IF MAILBOXES ARE REMOVED FOR THE CONSTRUCTION ACTIVITY. CONTRACTOR TO MANAGE IMPACTS TO MAILBOXES AND UTILITY SERVICE AND COORDINATE ANY IMPACT WITH THE LOCAL POST MASTER
4. PAY ITEM 525 TO INCLUDE ALL WORK NEEDED TO INSTALL ROADWAY MARKINGS, STREET SIGNS, DIRECTIONS SIGNS AND RESTRAINER BARS
5. PAY ITEM 301-1 TO INCLUDE ADJUSTMENT OF EXISTING VALVE BOXES AND/OR VALVE BOX RINGS FOR VALVE BOXES AND MANHOLES
6. PAY ITEM 410 TO INCLUDE ALL WORK NEEDED TO ADD EXISTING DRAINAGE PROTECTION INTO EXISTING AND NEW INLETS AND IF NEEDED ADD "Y" COMPAT TO NEW STORED REDUCED UNDER ALL NEW STRIPES
7. PAY ITEM 410 TO INCLUDE ALL WORK NEEDED TO INSTALL, GRADE, SANDING AND INSTALL EXCAVATION EQUIMENT FOR ALL NEW EXCAVATION. COORDINATION AND PAYMENT FOR UTILITY POLES HULTS WITH FPL, OR AT&T, 10'-10" SHALL BE 4" PIPE POLYPROPYLENE STORM SEWER INSTALLATION, EXCAVATION EQUIMENT PERmitted AS REQUIRED TO COMPLETE OPERATIONS
8. PAY ITEM 410 TO INCLUDE ALL WORK NEEDED TO INSTALL, GRADE, SANDING AND INSTALL EXCAVATION EQUIMENT FOR ALL NEW EXCAVATION. COORDINATION AND PAYMENT FOR UTILITY POLES HULTS WITH FPL, OR AT&T, 10'-10" SHALL BE 4" PIPE POLYPROPYLENE STORM SEWER INSTALLATION, EXCAVATION EQUIMENT PERmitted AS REQUIRED TO COMPLETE OPERATIONS
9. PAY ITEM 500 TO INCLUDE INSTALLATION OF EXISTING PALM TREE AS DIRECTED BY CITY TO REPLACE EXISTING TREE REMOVED, FERTILIZATION, WATERING, BRANCHING
10. PAY ITEM 510 TO INCLUDE INSTALLATION OF NEW PALM TREE AS DIRECTED BY CITY TO REPLACE EXISTING TREE REMOVED, FERTILIZATION, WATERING, BRANCHING
11. PAY ITEM 510 TO INCLUDE INSTALLATION OF NEW PALM TREE AS DIRECTED BY CITY TO REPLACE EXISTING TREE REMOVED, FERTILIZATION, WATERING, BRANCHING
12. PAY ITEM 500 TO INCLUDE INSTALLATION OF NEW PALM TREE AS DIRECTED BY CITY TO REPLACE EXISTING TREE REMOVED, FERTILIZATION, WATERING, BRANCHING

SUMMARY OF PAY ITEMS

Sheet Contents
- DO NOT SCALE DRAWINGS
- M&H NO.: 07/30/2020
- DATE:
- DESIGNED BY:
- DRAWN BY:
- CHECKED BY:
- ISSUED:

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CITY OF SATELLITE BEACH
PARK AVENUE IMPROVEMENTS
(S. PATRICK TO SRA1A)

MATCH LINE 25+80 - SEE SHEET C-204
MATCH LINE 20+30 - SEE SHEET C-202

EXISTING CENTERLINE OF ROAD
EXISTING NORTH DROP CURB
EXISTING SOUTH DROP CURB

SURVEY/CONSTRUCTION BASELINE (TYP.)
EX. 8" VCP SAN.
EX. 10" VCP SAN.
ES. SAN. MH

REMOVE EX. 18" SLANT CURB AND REPLACE W/ MIAMI CURB
REMOVE EX. 18" SLANT CURB AND REPLACE W/ MIAMI CURB

3" ASPHALT
2" COQUINA BASE

SHALL MATCH EX DRIVEWAY LOCATION AND GRADE (TYP)

Mead and Hunt, Inc.
4401 Eastport Parkway
Port Orange, FL 32127
phone: 386-761-6810
meadhunt.com
FL Cert. #26730
07/30/2020
BID SET

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07/30/2020 1:44:57 PM
MATCH LINE 31+30 - SEE SHEET C-205
MATCH LINE 25+80 - SEE SHEET C-203

EXISTING CENTERLINE OF ROAD
EXISTING NORTH EOP
STA. 28+28, 8' LT

TYPE D DITCH BOTTOM INLET WITH CI GRATE, CONCRETE APRON AND OPEN SUMP (FDOT INDEX 425-052)
GRATE EL = 3.33
N INV = 0.90

STA. 28+28, 19' LT
TYPE D DITCH BOTTOM INLET WITH CI GRATE, CONCRETE APRON AND OPEN SUMP (FDOT INDEX 425-052)
GRATE EL = 3.18
S INV = 1.0

INSTALL 26 LF 15" HP @ 0.38%
INV 0.90
EX 8" SAN
EX. SAN MH
INV -0.56

EX 8" VCP SAN
EX. SAN MH
INV -3.77 (S)
INV -3.70 (N)
INV -1.34 (E)

EXISTING SOUTH EOP
C/L PINEAPPLE ST
PARK AVE.
PINEAPPLE ST.

MILL AND RESURFACE EXISTING ASPHALT PAVEMENT WITH 1-1/2" SP-9.5 TRAFFIC LEVEL C
REMOVE & REPLACE SIDEWALK. INSTALL ADA RAMP W/ DETECTABLE WARNING MAT
REMOVE EX. 18" SLANT CURB AND REPLACE W/ MIAMI CURB
REMOVE AND REPLACE EX. VALLEY GUTTER WITH 4' WIDE VALLEY GUTTER
INSTALL NEW 24" THERMOPLASTIC STOP BARS AT ALL FOUR CORNERS OF INTERSECTION
INSTALL THERMOPLASTIC CROSSWALK
REMOVE EX. STOP BAR BY WATER BLASTING AND INSTALL NEW 24" THERMOPLASTIC STOP BAR
REMOVE EX. 18" SLANT CURB AND REPLACE W/ MIAMI CURB

RELOCATE EX STOP SIGN
REMOVE AND REPLACE EX. VALLEY GUTTER WITH 4' WIDE VALLEY GUTTER
REMOVE AND REPLACE SECTIONS OF CURB IDENTIFIED BY OWNER.
BID ALTERNATE: REMOVE AND REPLACE EX. CURB

BACK OF PROPOSED MIAMI CURB SHALL MATCH EX DRIVEWAY LOCATION AND GRADE (TYP)
NOTE:
EXISTING BASE MATERIAL ON PINEAPPLE STREET MAY BE CONCRETE
MATCH LINE 36+80 - SEE SHEET C-206
MATCH LINE 31+30 - SEE SHEET C-204

PARK AVE.

MILL AND RESURFACE EXISTING ASPHALT PAVEMENT WITH 1-1/2" SP-9.5 TRAFFIC LEVEL C
EX. SAN MH
INV -0.28 (W)
INV -0.22 (E)
EX. SAN MH
INV 1.71 (W)

REMOVE AND REPLACE SECTIONS OF CURB IDENTIFIED BY OWNER.

BID ALTERNATE: REMOVE AND REPLACE EX. CURB CORE C-3
3" ASPHALT
6.5" SOIL CEMENT BASE

REMOVE AND REPLACE EX MIAMI CURB
MATCH LINE 53+30 - SEE SHEET C-208

NOTE:
CONTRACTOR SHALL ERECT A CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

54+00
55+00
56+00
57+00
58+00

CITY OF SATELLITE BEACH
PARK AVENUE IMPROVEMENTS
(S. PATRICK TO SRA1A)

MILL AND RESURFACE EXISTING ASPHALT PAVEMENT WITH 1-1/2" SP-9.5 TRAFFIC LEVEL C
INSTALL "MIAMI" CURB
END "MIAMI" CURB
STA. 55+92, 12' RT (B.O.C.)
END "MIAMI" CURB
STA. 56+05, 12' LT (B.O.C.)

CONSTRUCT SHALLOW SODDED TREATMENT SWALE (TYP.) SEE DETAIL, SHEET C-501

CONTRACTOR SHALL COORDINATE WITH CITY OF MELBOURNE FOR ADJUSTMENT OF VALVE BOX AND CONCRETE PAD TO FINISHED GRADE

REMOVE BOLLARDS AND CONCRETE CURBING WITHIN R.O.W.
EDGE MILLING ALONG DRIVEWAY AS REQUIRED
EDGE MILLING ALONG DRIVEWAY AS REQUIRED
RESURFACE
MILL AND RESURFACE

NOTE:
CONTRACTOR SHALL INSTALL CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

CONTRACTOR SHALL ERECT A CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

10.0'
STA. 56+05

CONTRACTOR SHALL INSTALL CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

CONTRACTOR SHALL INSTALL CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

NOTE:
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CONTRACTOR SHALL ERECT A CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.

NOTE:
CONTRACTOR SHALL ERECT A CURB TO ALLOW ALL DRIVEWAYS TO HAVE A POSITIVE SLOPE TOWARDS CURB. FIELD ADJUST CURB GRADES AND/OR DRIVEWAYS AS REQUIRED.
MATCH LINE 14+60 - SEE SHEET C-211

STA. 13+67, 20.4 LT

TYPE J7-T MANHOLE
ALT A, 4' DIA.
(FDOT INDEX 425-01 & 425-10)
RIM EL = 3.70
N & S INV = (-)0.03

A-4
INSTALL 110 LF
18" HP @ 0.10%

FUTURE 18" HP
INV 1.0 (E & W)

INV 0.13 (E & W)
INV (-)0.03

C\L PARK AVE
EX 12" VCP SAN
EX. SAN MH
INV -6.68 (N)
INV -7.42 (E)
INV -7.48 (W)

EX. 6" WM
(ASSUME 36" COVER)

PARK AVE.
AVOCADO ST.
STA. 12+10
BEGIN MILL AND RESURFACING

STA. 12+33, 25' LT

TYPE D DITCH BOTTOM INLET
(FDOT INDEX 425-052)
GRATE EL = 2.91
N INV = 0.10

STA. 12+80
END MILL AND RESURFACING

INSTALL 134 LF
18" HP @ 0.10%

INSTALL 134 LF
18" HP @ 0.10%

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE
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CITY OF SATELLITE BEACH
PARK AVENUE IMPROVEMENTS
(S. PATRICK TO SRA1A)

M&H NO.: 1000716-181880.01
DATE: JULY 30, 2020
DESIGNED BY: Mead and Hunt, Inc.
DRAWN BY: 4401 Eastport Parkway
CHECKED BY: Port Orange, FL 32127
CHECKED BY: phone: 386-761-6810
ISSUED: meadhunt.com
FL Cert. #26730

07/30/2020
BID SET

MATCH LINE 14+90 - SEE SHEET C-213

EXISTING CENTERLINE OF ROAD
EXISTING WEST EOP
EXISTING EAST EOP

EX. SAN MH
INV -3.52 (N)
INV -3.54 (E)
INV -3.60 (W)

EX. SAN MH (DROP)
INV -3.09 (S)
INV -3.02 (N)
INV -2.90 (E)
INV 0.53 (NE)

EX. 16" VCP SAN
12" VCP SAN
12" VCP SAN

EX 10" VCP SAN
EX 10" VCP SAN

STA. 12+88, 13.0' LT
TYPE J8 MANHOLE
ALT B, 4'x4'
(RFD INDEX 425-01 & 425-10)
RIM EL = 7.30
N, S & E INV = 2.88

INSTALL 254 LF 18" HP @ 0.15%
(SEE SHEET C-206)
15" RCP
(SEE SHEET C-206)
18" HP
(SEE SHEET C-206)

INSTALL 200 LF 18" RCP @ 0.0%
(SEE SHEET C-206)

INSTALL 200 LF 18" RCP @ 0.0%

IN CBD TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

C-8
C-4
C-3

STA. 10+33, 15' LT
TYPE D DITCH BOTTOM INLET
(FDOT INDEX 425-052)
GRATE EL = 5.60
N INV = 2.50

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

IN CBD TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

RECONSTRUCT EX. CURB
AFTER STORM PIPE INSTALLATION AS REQUIRED

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

SURVEY/CONSTRUCTION
BASELINE (TYP.)
REPAIR EX. SAN. SEWER LATERALS AS REQUIRED
INSTALL 20 LF 18" HP @ -2.0%
STA. 10+33, 15' LT
TYPE D DITCH BOTTOM INLET
(FDOT INDEX 425-052)
GRATE EL = 5.60
N INV = 2.50

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

RECONSTRUCT EX. CURB
AFTER STORM PIPE INSTALLATION AS REQUIRED

IN CBD TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

EX. WM TO BE ADJUSTED AS REQUIRED BY CITY OF MELBOURNE

RECONSTRUCT EX. CURB
AFTER STORM PIPE INSTALLATION AS REQUIRED
TYPICAL SECTION STA. 48+50 - 56+05

- Existing condition
- Proposed condition
- Mill to depth required to achieve 1/4" reveal at curb and 2% cross slope on finished pavement

TYPICAL SECTION STA. 10+00 - 28+30

- Existing condition
- Proposed condition
- Mill to depth required to achieve 1/4" reveal at curb and 2% cross slope on finished pavement

TYPICAL SECTION STA. 28+90 - 37+50

- Existing condition
- Proposed condition
- Mill to depth required to achieve 1/4" reveal at curb and 2% cross slope on finished pavement

TYPICAL SECTION STA. 38+00 - 43+60

- Existing condition
- Proposed condition
- Mill to depth required to achieve 1/4" reveal at curb and 2% cross slope on finished pavement

TYPICAL SECTION STA. 43+60 - 47+75

- Existing condition
- Proposed condition
- Mill to depth required to achieve 1/4" reveal at curb and 2% cross slope on finished pavement
NOTES:

1. MIAMI CURB TO BE CONSTRUCTED OF 3000 P.S.I. FIBERMESH CONCRETE.
2. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED EVERY 500', CONSTRUCTION JOINT REQUIRED EVERY 10' MAXIMUM (4' MINIMUM).
3. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED AT EACH SIDE OF ALL STORM INLET STRUCTURES AND AT ALL RADIUS POINTS.
4. 6" SUBBASE TO BE COMPACTED AND TESTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST AND SHALL BE STABILIZED TO A MINIMUM L.B.R. 40.
5. EXPANSION JOINT MATERIAL MUST COVER THE ENTIRE CROSS SECTION OF CURB.
6. IN NO INSTANCE SHALL EXTRUDED CURBS (DEFINED AS HEADER-TYPE CURBS INSTALLED DIRECTLY ON TOP OF PAVEMENT) BE PERMITTED.
7. DROP MIAMI CURB SHALL BE UTILIZED AT DRIVEWAYS WHERE REQUIRED TO MATCH AN EXISTING DRIVEWAY GRADE OR TO ALLOW FOR A POSITIVE SLOPE ON A RECONSTRUCTED DRIVEWAY.

STANDARD CURB CONSTRUCTION

1. DRIVEWAY APRON BASE TO BE COMPACTED AND TESTED TO 98% DENSITY WITH MINIMUM L.B.R. 40 BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
2. CONCRETE DRIVEWAY APRON TO BE 3000 P.S.I. FIBERMESH CONCRETE.

FILTER FABRIC WRAP ON GROUTED PIPE TO STRUCTURE JOINT DETAIL

1. TRANSITION COUPLING WITH STAINLESS STEEL STRAPS & BOLTS (TYP. EACH END)
2. FLOW LINE TO REMAIN CONSTANT

SEWER LATERAL REPAIR

CONCRETE JACKET FOR CONNECTING DISSIMILAR TYPES OF PIPE AND CONCRETE PIPES WITH DISSIMILAR JOINTS