GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", AND 15" IN WATER MAIN PIPELINES BY INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCES ASSOCIATED WITH COMPLETION OF THE PROJECT.

2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.A.V. 1929 UNLESS OTHERWISE STATED AND ARE BASED ON RECORD DRAWINGS.

3. SHEETS 9-33 ARE THE EXISTING AS-BUILTS OF THE SYSTEM PIPE TO BE REHABILITATED.

4. DURING THE WORK, CONTRACTOR MUST MAINTAIN ACCESS TO ALL DWARVES FOR THE DURATION OF THE PROJECT.

5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING THE NECESSARY ROAD CLOSURE AND ROADWAY PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES.HAVING JURISDICTION OVER THE SPECIFIC ROADWAY.

6. IN ORDER TO OBTAIN ROADWAY CLOSURE OR ROADWAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICABLE DOCUMENTS TO THE APPROPRIATE AGENCY. THE NOTICES SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND/OR SPECIFIC WORK TIMES DURING NON-PEAK TRAFFIC HOURS. REFER TO SPECIFIC PROVISIONS FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS.

7. CONTINUOUS SIDER BARRIER SERVICE MUST BE MAINTAINED AT ALL TIMES. WORK DURING LOW PEAK PERIODS OR NIGHT WORK MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE, PROPER SIDER BARRIER INSTALLATION AND SIDEWALK CLEARANCE. REMOVAL OF SIDEWALK PATHS AS NECESSARY TO MAINTAIN WORK SPACE. COST FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEM AND NO ADDITIONAL PAYMENT WILL BE MADE.

8. BYPASS PUMPS SHALL BE ABLE TO deliver 300 GPM FOR 8", THE BYPASS PUMPS SHALL BE THE SELF-PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOSE BE SEPARATELY COMPLIES TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.

9. THE PROPOSED LAYER THICKNESS FOR THE 8" SIDER SHALL BE 0.50 MILE THICKNESS, 10" SIDER SHALL BE 0.50 MILE THICKNESS, 12" SIDER SHALL BE 0.50 MILE THICKNESS, AND 15" SIDER SHALL BE 0.50 MILE THICKNESS.

10. CONTRACTOR SHALL REMOVE ALL UPLANDING, CIDING, SPRINKLER SYSTEM PIPE AND PlumBLING THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.

11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PLUMBING STATION OPERATIONS.

12. DOWNSTAGE EQUIPMENT SUCH AS SAFETY VANTANS, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, SPRAWLING APPARATUS, ETC. SHALL BE USED WHERE THE WORK SUGGESTS THEIR USE.

13. DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A METHOD OF CAPTURING AND DISPOSING OF THE DRILLED MATERIAL. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

14. ALL EXPOSED STEEL REINFORCEMENT SHALL BE PROTECTIVE COATED OF ANY DETERIORATION PRIOR TO COATING WITH THE PROPOSED COATING SYSTEM.

15. ALLOWABLE WORK HOURS ON WEST SHORE BOULEVARD WILL BE FROM 5AM TO 8AM ON THE WEEKEND AND 5AM TO 10PM ON THE WEEKEND. WORK TIMES ARE SUBJECT TO THE NEEDS OF THE NEIGHBORHOOD. CONTRACTOR SHALL CONSIDER MARRIAGE DAY OF TRAFFIC UTILITIES, FLUSHING OPERATIONS, FLUSHING OPERATIONS SHALL BE IN ACCORDANCE WITH THE CITY'S ULTRAFLEX SYSTEM.

16. EXISTING PIPE FLOWS:

A 10" DRAIN IN WEST SHORE BLVD, BETWEEN NORTH SUNSET DR. AND SANGRE DE CRUZ, HAS A 400 GPM PEAK FLOW. MELBOURNE PUMP STATION DISCHARGES 300 GPM INTO AN IN 10" PIPE AT THE PUMP STATION. A 12" DRAIN IN WEST SHORE BLVD, BETWEEN NORTH SUNSET AND SANGRE DE CRUZ, HAS 100 GPM PEAK FLOW. THESE PIPES USE THE LAUGHLIN PUMP STATION ACCESSIBLE INTO BUT THE FORCE MAIN IS DISCONNECTED.

B 10" DRAIN IN WEST SHORE BLVD, BETWEEN NORTH SUNSET DR. AND SANGRE DE CRUZ, HAS 600 GPM PEAK FLOW.

17. BYPASS NOTES:

A. THE BYPASS OF THE 10" PIPE IN WEST SHORE BLVD, BETWEEN NORTH SUNSET DR. BETWEEN NN 10" FLOORS AND NN 10" FLOORS WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE CITY OF TAMPA TO SHUT DOWN NEPHEW PUMP STATION. CONTRACTOR SHALL PROVIDE A MINIMUM OF 4 TANKER TRUCKS TO "SHUT DOWN" THE PUMP STATION. CONTRACTOR MAY ALSO PROVIDE A TANKER TRUCK IF THE PUMP STATION IS BEING USED AS AN ALTERNATE OR TEMPORARY placed. CONTRACTOR SHALL PROVIDE NN 10" FLOORS AND NN 10" FLOORS WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE CITY OF TAMPA TO SHUT DOWN NEPHEW AND WATER SUPPLY SYSTEMS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A MINIMUM OF 4 TANKER TRUCKS TO "SHUT OFF" OF THE PUMP STATION. CONTRACTOR SHALL PROVIDE A TANKER TRUCK AT NEPHEW PUMP STATION AND 2 TANKER TRUCKS FOR THE LOCAL COLLECTION SYSTEM.

B. THE MINIMUM QUANTITY OF TANKER TRUCKS NEEDED IS BASED ON THE PEAK FLOWS AND 1000 GALLON VOLUME TANKER TRUCK WITH TANKER TRUCKS SHALL BE A MINIMUM OF 1000 GALLON CAPACITY.

C. THE CITY WILL RECEIVE A MINIMUM 24 HOURS NOTICE OF THE PUMP STATION SHUT-DOWN.

D. THE BYPASS OF THE 10" PIPE IN SUNSET DR. BETWEEN NN 10" FLOORS AND NN 10" FLOORS WILL REQUIRE THE CONTRACTOR TO SHUT DOWN OF THE BYPASS SYSTEM CAPABLE OF MANAGING A MINIMUM 1000 GALLON CAPACITY. THE CONTRACTOR IS RESPONSIBLE IN MAINTAINING ACCESS TO ALL ORGANIZATIONS AND MAINTAINING 2-WAY TRAFFIC IN SUNSET DR. AND SOUTH SHORE BLVD BY UTILIZING APPROPRIATE signaling TO ORGANIZE TRAFFIC.
Legend
- **Proposed Manhole Rehab**
- **Proposed Lining Area**
- **Ex Wastewater (no rehabilitation required)**
- **Ex Pressurized Main**

**Westshore and San Miguel**
City of Tampa Wastewater Department
1. It is the engineer's intent that the manhole rehabilitation will not require bypass pumping. Headers may be needed during low-flow periods. May be necessary.

**Notes:**

- Ex. Cast iron manhole frame & cover.
- Sawcut 2" x 4" (entire circumference)
- Sawcut shall be 4" (max) below frame of manhole.
- Coating termination detail

**Brick Manhole** (Typical)

![Diagram of brick manhole](image)

**COATING TERMINATION DETAIL**

Not to scale.
NOTE:  (Road Replacement) Sta 0+10 to 0+12 replaced with G.S.T. Paut Sta 0+15 to 0+45 replaced with G.S.T.

PLAN

SUNSET PARK

SAN JOSE STATION

PLAN

profile

As built plan

Revised to show actual conditions according to construction records as of February 1991.

Note:
1. Houses shown on this sheet are of Concrete Block Construction.
2. Property lines as indicated by Hillsborough County Tax records.
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE26

AS BUILT PLAN
Revised to show actual conditions, according to construction records as of 1-9-52
(L&M 2-11-52)

NOTES:
Property Lines as indicated by Hillsborough
County, Tax Records
Rainwater into Busch Street at St. A-1352,00 0.00' to throat
inside and outside pipe.

Greely and Hansen
Engineers
Chicago, Ill.

075-013
CLASS "C" BEDDING

PROP. SEE-8" PVC @ 0-8" CUT

HENDERSON BLVD. MONTEGO DRIVE

PROW. 6-50

PROP. 24" ADS N-12 PE PIPE: 6" H/C (W)

6" H/C (W) 6" H/C (W)

NEL-15.79 (Ft.)

PROP. 18" ADS N-12 PE PIPE

(EGE Cable (Approx. Loc.)

FACO Cable

PROP. 8" DIP 7 (ALL)

6" H/C (W)

NEL-5.367

PROP. 8" DIP 2 (ALL)

2" Water (Approx. Loc.)

PROP. 117-8" PVC @ 0.30%

PROP. 165-8" PVC @ 0.30%

PROP. 104-8" PVC @ 0.40% 0.45%

PROFILE

1' = 40" Horiz.
1' = 4" Vert.

SEE STORM SEWER SHEETS FOR PROPOSED FINISHED GRADE

CONSTRUCTION DRAWINGS
• STORM SEWERS - SEE SHEETS 4 TO 12
• SANITARY SEWERS - SEE SHEETS 13 TO 18
• WATER LINE - SEE SHEETS 19 TO 25

DUNDEE RIVER DRAINAGE BASIN IMPROVEMENTS
BROWNING AVE.: From West Shore Blvd.
To Henderson Blvd.