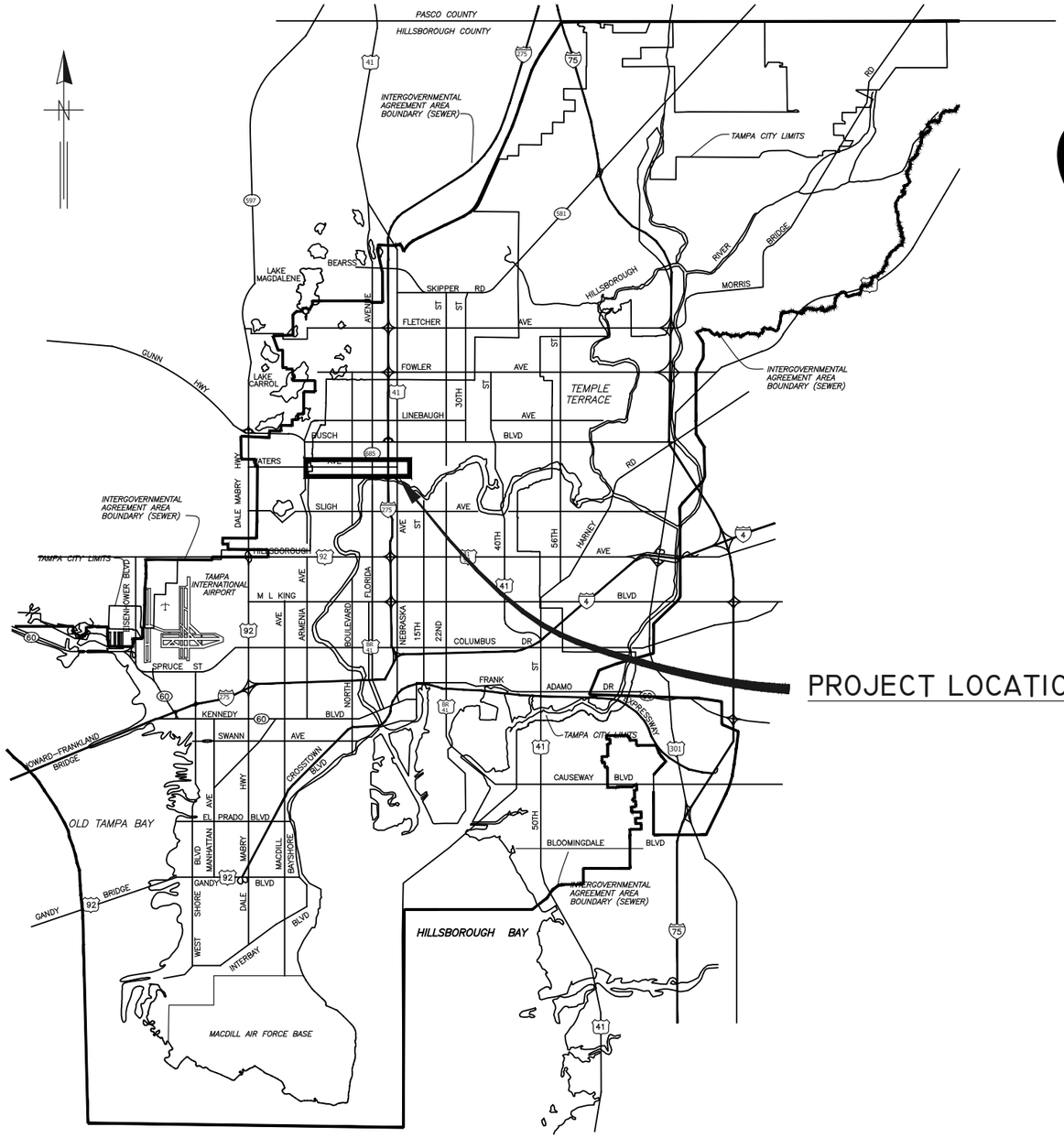
LOCATION MAP



PROJECT LOCATION

NOTE:
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

CITY of TAMPA

CITY OF TAMPA FLORIDA • ORGANIZED JULY 15 1887 • MASCOTTE

WASTEWATER DEPARTMENT
ENGINEERING DIVISION

PLANS FOR

WATERS AVE GRAVITY SEWER REHAB BY CIPP
SYSTEM REHABILITATION

CONTRACT No. 22-C-00014

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

COVER

SHEET 1

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout– Jan 06, 2023 – 9:34am

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout— Jan 09, 2023 — 11:45am

GENERAL NOTES

1. *THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 12", 15", 24" AND 30" DIAMETER WASTEWATER PIPELINE BY INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.*

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

3. *SHEETS 11–41 ARE THE EXISTING AS–BUILTS OF THE SEWER PIPE TO BE REHABILITATED.*

4. *DURING THE MOT, CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS FOR THE DURATION OF THE PROJECT.*

5. *CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING THE NECESSARY ROAD CLOSURE AND RIGHT–OF–WAY PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE SPECIFIC ROADWAYS. A CITY OF TAMPA RIGHT OF WAY ACCELA PERMIT SHALL BE SUBMITTED FOR EACH ROADWAY AT THE FOLLOWING WEBSITE HTTP://ACA.TAMPAGOV.NET/*

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

7. *CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES. WORK DURING LOW FLOW PERIODS OR NIGHT WORK MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PRIVATE AND CITY PUMPING STATIONS AND SEWER SERVICE VIA VACUUM TRUCKS. CONTRACTOR IS RESPONSIBLE FOR DEWATERING, COLLECTING AND DISPOSING OF ALL WATER AND SLUDGE FROM EXISTING FACILITIES AS NECESSARY TO MAINTAIN SERVICE. COST FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE.*

8. *BYPASS PUMPS SHALL BE CAPABLE OF DELIVERING 350 GPM FOR 8" PIPE, AND 800 GPM FOR 12" PIPE. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY 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. *LINING OF THE 15", 24" & 30" PIPES ACROSS WATERS AVENUE WILL REQUIRE MAINTAINING FLOWS VIA TANKER TRUCKS. ESTIMATED PEAK FLOW RATE FOR THESE PIPES IS 600 GPM. A MINIMUM 5 TANKERS WILL BE NEEDED. THE CITY WILL PROVIDE SUCTION AND DISCHARGE LOCATIONS DURING CONSTRUCTION.*

10. *THE PROPOSED LINER THICKNESS SHALL BE PER "PROPOSED CIPP LINER THICKNESS" TABLE ON THIS SHEET.*

11. *CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.*

12. *CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.*

13. *OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.*

14. *THIS PROJECT INCLUDES REHABILITATION OF MANHOLES BY APPLICATION OF A STRUCTURAL COATING SYSTEM AND ALL APPURENTANCES ASSOCIATED WITH THE PROJECT.*

15. *DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A MEANS OF CAPTURING AND DISPOSING OF THE REMOVED DEBRIS. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.*

16. *ALL EXPOSED STEEL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ANY DETERIORATION/RUST AND COATED WITH THE PROPOSED COATING SYSTEM.*

17. *THE ONLY EXCAVATION NECESSARY FOR THIS PROJECT IS FOR THE REMOVAL AND REPLACEMENT OF THE MANHOLE FRAME AND COVERS. FOR THESE CASES, THE CONTRACTOR IS REQUIRED TO CALL SUNSHINE AT 1–800–432–4770 TO DETERMINE UTILITY LOCATIONS PRIOR TO EXCAVATION.*

18. *THERE ARE SEVERAL TERMINAL PIPES SHOWN TO BE LINED. IT'S THE CITY'S INTENT TO HAVE TERMINAL MANHOLES INSTALLED BY OTHERS PRIOR TO THE AWARD OF THIS CONTRACT.*

INDEX	
Sheet Number	Sheet Title
1	COVER
2	NOTES
3	OVERVIEW LOCATION MAP
4 – 7	AREA MAPS
8	MANHOLE DETAIL
9	MANHOLE DETAILS
10 – 40	WASTEWATER RECORD DRAWINGS FOR REFERENCE **

** *RECORD DRAWINGS ARE BEING PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT INTENDED TO SHOW ADDITIONAL WORK FOR THIS CONTRACT. THE CITY DOES NOT GUARANTEE THE ACCURACY OF THE RECORD DRAWINGS.*

PROPOSED CIPP LINER THICKNESS		
PIPE SIZE	(IN)	(MM)
8"	0.236	6.0
12"	0.295	7.5
15"	0.295	7.5
24"	0.472	12.0
30"	0.606	15.5

PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

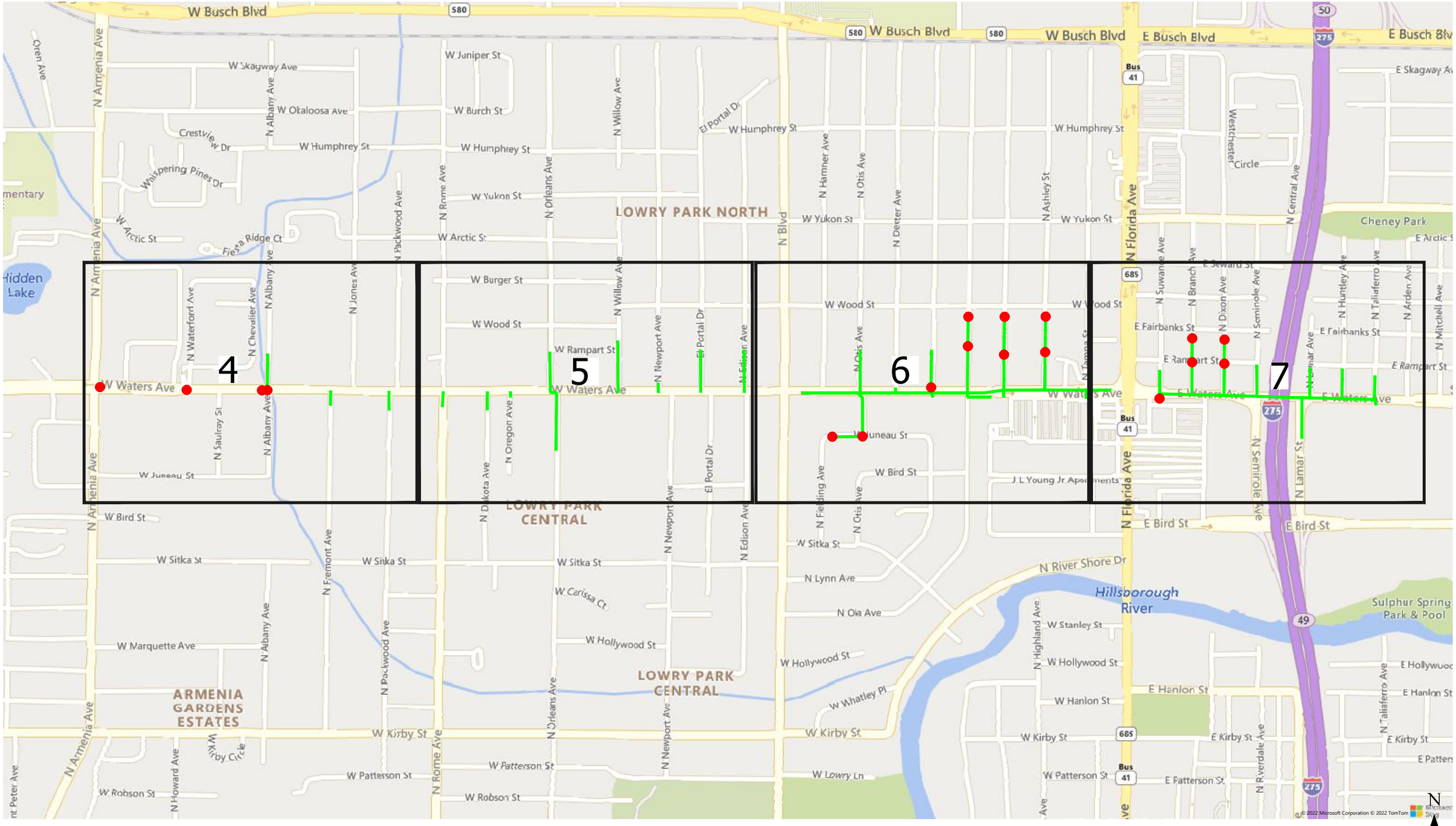
CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

NOTES

SHEET 2

B—1



Legend

- Proposed Manhole Rehabilitation
- Proposed Lining Area

#	DATE	REVISIONS
1		
2		
3		

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

DES: DR
DRN: GP
CKD:
DATE:

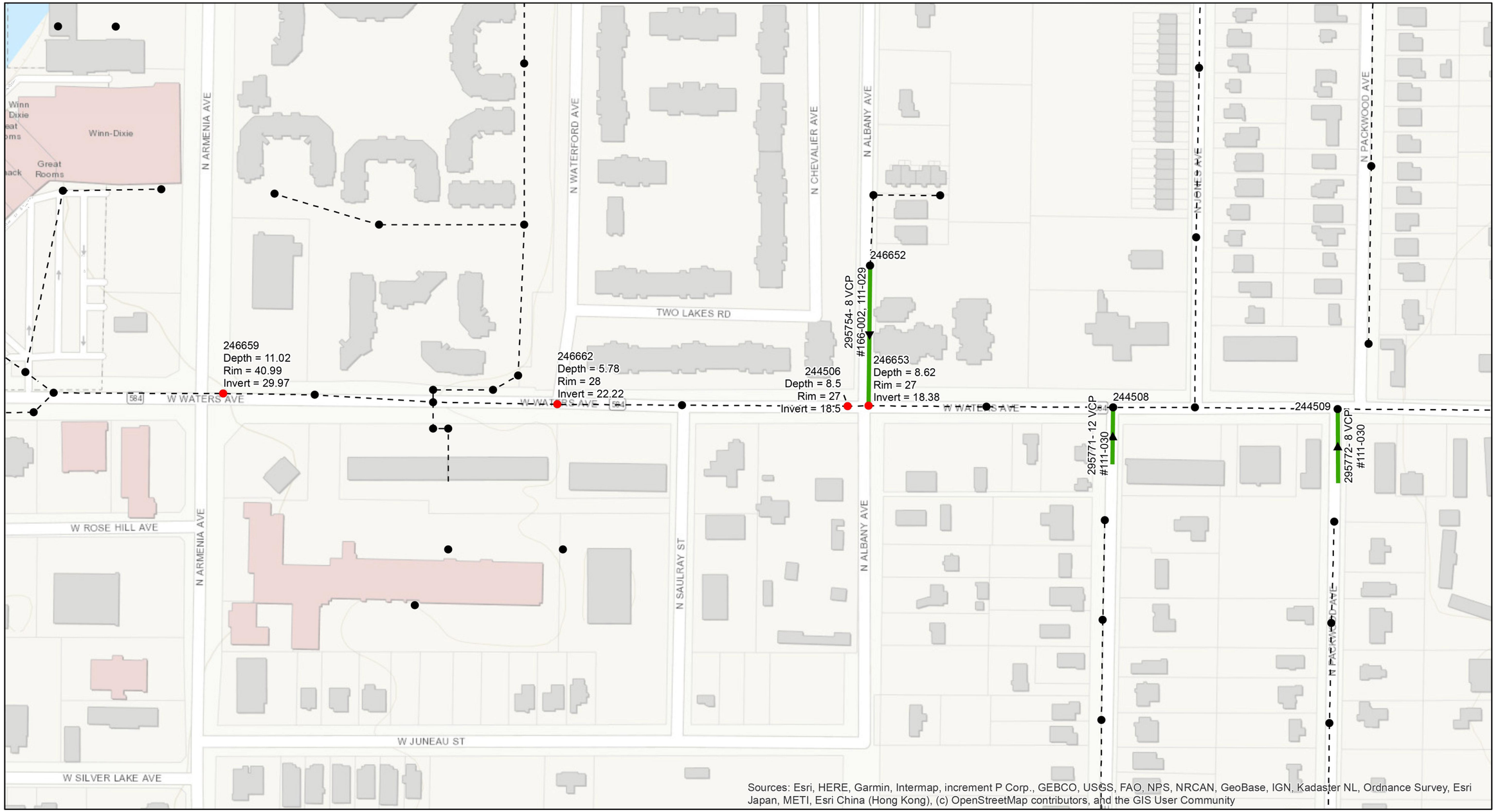
CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

OVERVIEW LOCATION MAP

SHEET 3

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout— Jan 06, 2023 – 9:34am CTB – MONO –RED–GREEN.CTB TOSHIBA_UNI_COLOR (NORTH WING)



Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

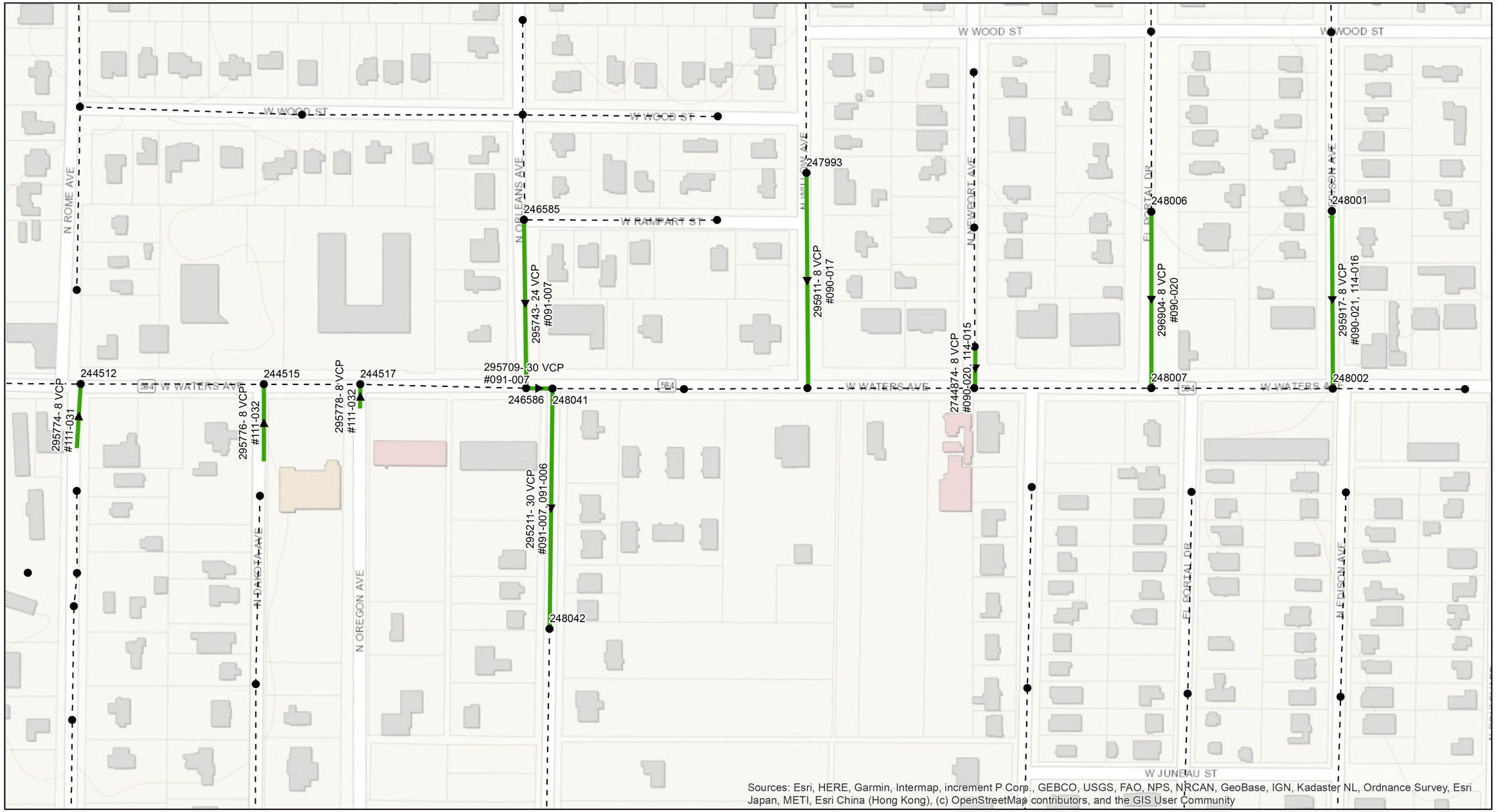
CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

AREA MAP1

SHEET 4

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout— Jan 06, 2023 - 9:34am CTB - MONO -RED-GREEN.CTB TOSHIBA_UNI_COLOR (NORTH WING)



Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

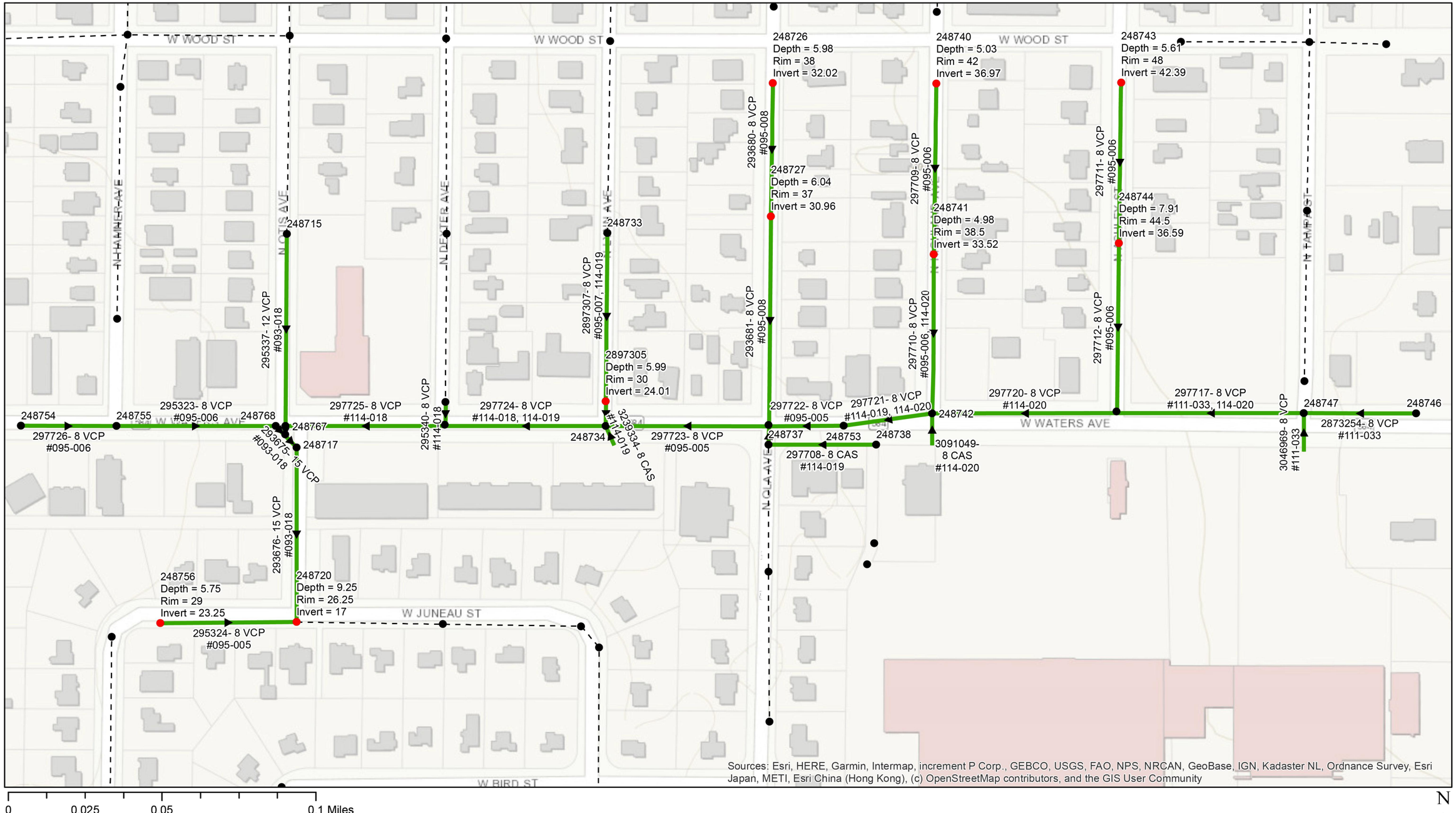
CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

AREA MAP2

SHEET 5

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout— Jan 06, 2023 - 9:34am CTB - MONO -RED-GREEN.CTB TOSHIBA_UNI_COLOR (NORTH WING)



Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

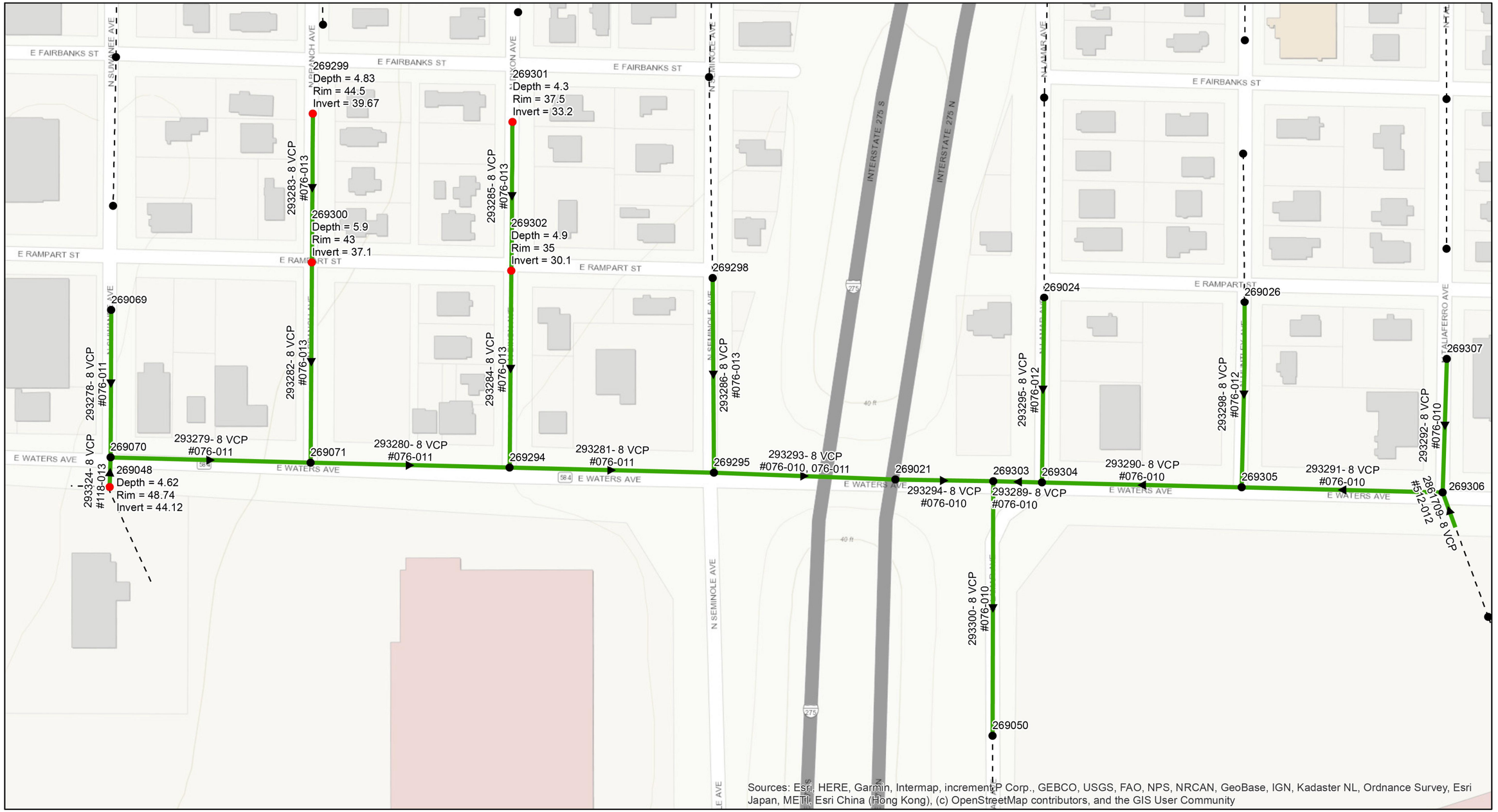
Waters Avenue Gravity Sewer Rehabilitation By CIPP

AREA MAP3

SHEET 6

B-1

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout– Jan 06, 2023 – 9:34am CTB – MONO –RED–GREEN.CTB TOSHIBA_UNI_COLOR (NORTH WING)



Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

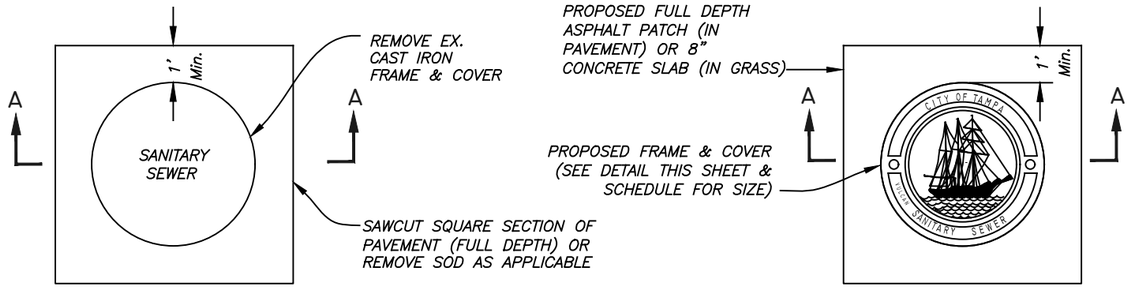
AREA MAP4

SHEET 7

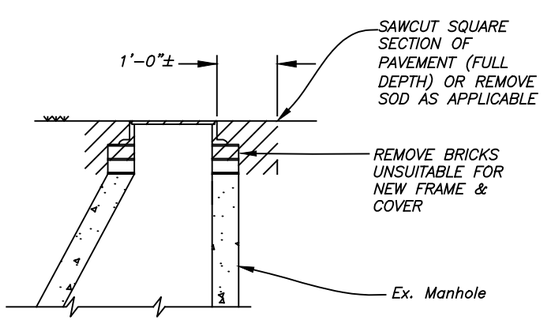
User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout— Jan 06, 2023 - 9:34am CTB - MONO -RED-GREEN.CTB TOSHIBA_UNI_COLOR (NORTH WING)

ASPHALT RESTORATION NOTE

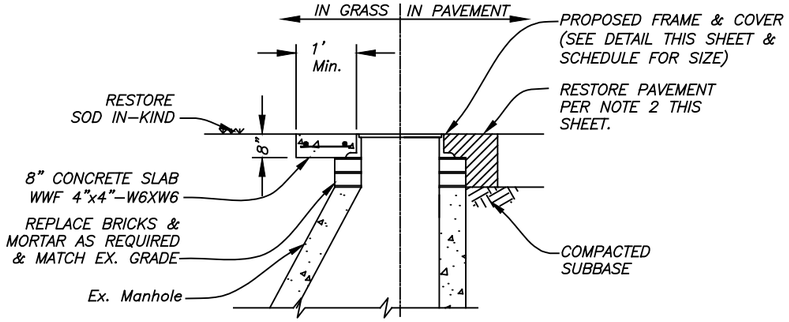
PAVEMENT RESTORATION SHALL CONSIST OF 12" PERMANENT BASE (CRUSHED CONCRETE) AND 2" PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. OR HILLSBOROUGH COUNTY ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.



PLAN

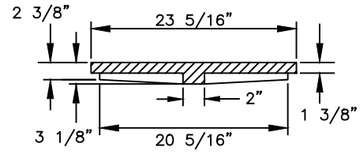


SECTION A-A
REMOVAL DETAIL

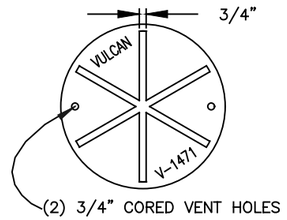


SECTION B-B
REPLACEMENT
DETAIL

SMALL COVER DETAIL

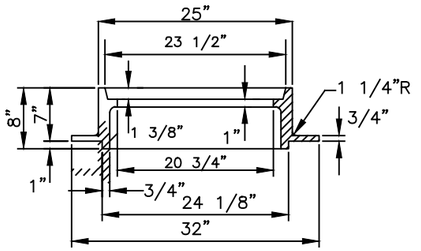


COVER SECTION



COVER BACK

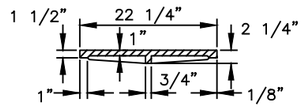
COVER FACE

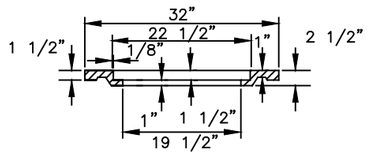


FRAME SECTION

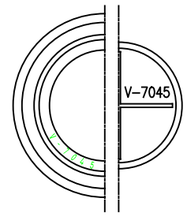
FOR MH'S OF SEWERS 24" OR LESS IN DIAMETER:
VULCAN FOUNDRY NO. V-1471,
U.S. FOUNDRY NO. 575-AT, OR EQUAL

LARGE COVER DETAIL

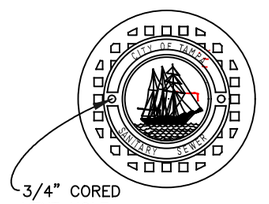




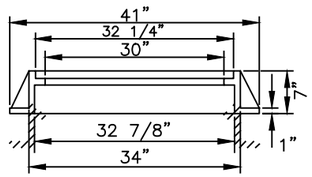
INNER & OUTER COVER SECTIONS



COVER BACKS



COVER FACES



FRAME SECTION

FOR MH'S OF SEWERS 27" OR GREATER IN DIAMETER:
VULCAN FOUNDRY NO. V-7045,
U.S. FOUNDRY NO. 230-AB-M, OR EQUAL

HEAVY DUTY CAST IRON MANHOLE FRAME & COVER DETAILS

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:
DATE:

JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

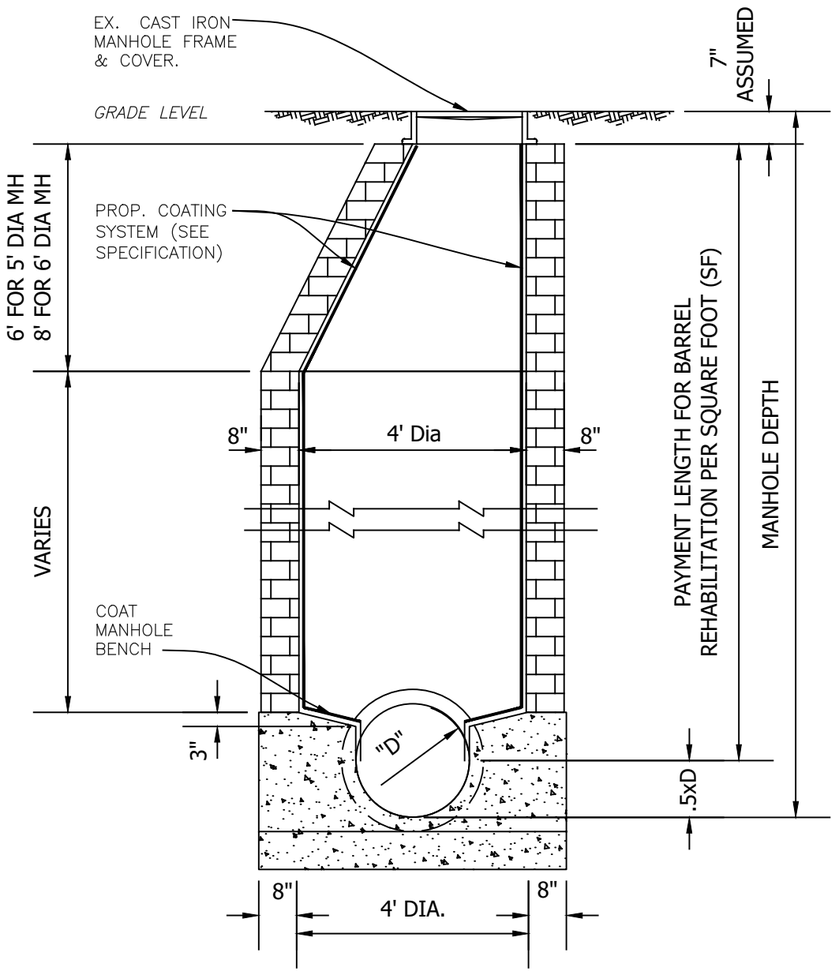
MANHOLE DETAIL

SHEET 8

User: ssh5 Drawing Name: K:\WasteWater Projects\Waters Avenue Gravity Sewer Rehabilitation by CIPP\Drafting\DWG\Waters Avenue Gravity Sewer Rehabilitation by CIPP.dwg
Layout- Jan 06, 2023 - 9:34am

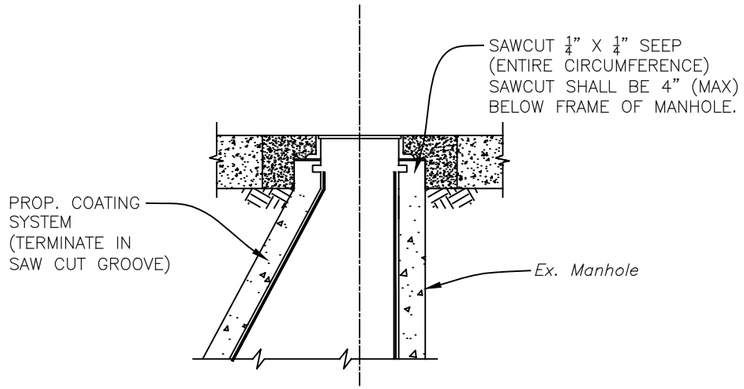
NOTES

1. *REMOVE ALL DEBRIS AND LOOSE BRICKS FROM THE TOP OF THE BENCH.*
2. *INSTALL A MINIMUM 1" THICK CLASS "D" CONCRETE OVER EXISTING BENCH. ALLOW CONCRETE TO CURE (MIN. 24 HRS. UNLESS OTHERWISE APPROVED BY THE ENGINEER).*
3. *OVERLAY BENCHES WITH PROPOSED COATING SYSTEM.*
4. *PROVIDE 6" COATING THICKNESS TRANSITION. PAYMENT FOR THIS ITEM IS INCLUDED IN THE BENCH RESTORATION.*



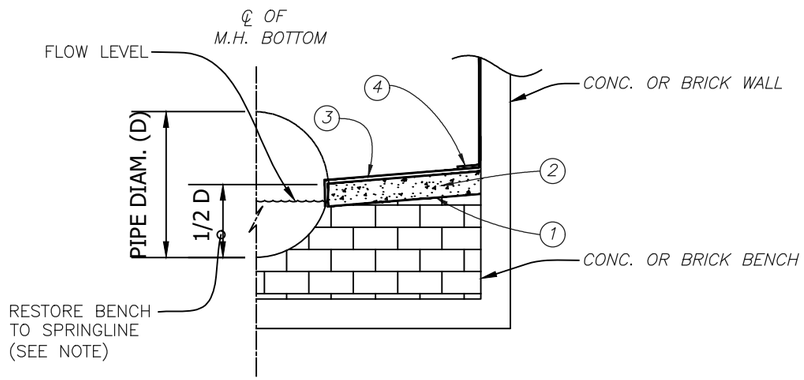
BRICK OR CONCRETE MANHOLE (TYPICAL)

SCALE: N.T.S.



COATING TERMINATION DETAIL

SCALE: N.T.S.



TYPICAL MANHOLE BENCH RESTORATION DETAIL

SCALE: N.T.S.

	#	DATE	REVISIONS		
JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	1			DES:	DR
	2			DRN:	GP
	3			CKD:	
				DATE:	

CITY of TAMPA
WASTEWATER DEPARTMENT

Waters Avenue Gravity Sewer Rehabilitation By CIPP

MANHOLE DETAILS

SHEET 9

GOVERNMENT LOT Nº 2

CENTRAL

12" Conc. Ditch

STREET

15" Central Avenue Connecting Sewer

3' BEGIN DIV. XE27 Sta. 0+03.0

Shell Pavement

M.H.

Sulphur Springs Trunk Sewer Div. XC13

Ditch

GOVERNMENT LOT Nº 1

BIRD

Tel. Cable

NOTE:- All wyes on Central Ave. between Manhole Sta's. 0+00 and 14+53.2 are plugged at the Sewer.

GOVERNMENT LOT Nº 2

Double Surface Treated Pavement

I.P. Prop. Cor.

GOVERNMENT LOT Nº 1

Match Line Sta. 16+00.0

AVE.

CENTRAL AVE.

SS-1B See Sheet XE27-13

Tel. Cable

Ditch

6" Transite Sanitary Force Main

Asphalt Block Pavement & Granite Curbs

WATERS

SS-1A See This Sheet

PLAN

DROP (1) MANHOLE

MANHOLE BIRD ST.

MANHOLE WATERS AVE.

MANHOLE CENTRAL AVE.

Match Line

3' BEGIN DIV. XE27 Sta 0+03.0

Tel. Cable

8" @ 17.5' per 1000'

8" @ 3.0' per 1000'

8" Stub W. (Plugged) Inv. El. 16.32

Tel. Cable 6" Transite Force Main

8" East Inv. El. 19.32

8" North Inv. El. 19.46

See Sheet XE27-11

PROFILE SS-1

SULPHUR SPRINGS SUBDIVISION

Block 56

LAMAR ST.

SS-1A-1 See Sheet XE27-12

Block 57

HUNTLEY AVE.

SS-1A-2 See Sheet XE27-12

Block 58

TALIAFERRO ST.

Block 59

Fr. Comm. Bldg.

WATERS

SS-1 Sta 14+53.2 See This Sheet

Conc. Walk

8" Water

Tel. Cable

AVE.

Ditch

12" conc. Storm

Asphalt Block Pavement & Granite Curbs

269303 269304 269305 269306 269307

NOTE:- All wyes on South side of Waters Ave. between Sta's. 1+50 & 5+01 inclusive are plugged @ Sewer.

PLAN

MANHOLE CENTRAL AVE.

MANHOLE LAMAR ST.

MANHOLE HUNTLEY AVE.

MANHOLE TALIAFERRO ST.

MANHOLE

12" Storm

Tel. Cable 8" Water Top El. 26.47

8" @ 5.0' per 1000'

8" @ 110' per 1000'

8" @ 45.0/1000

8" North Inv. El. 21.87

8" North Inv. El. 23.18

PROFILE SS-1A

Note:- Pavt. Replacement,
SS-1
Sta. 4+27 to 4+62 A.C.M.
Sta. 12+05 to 12+35 S.S.T.
Sta. 14+30 to 16+00 A.C.M.
SS-1A
Sta. 0+00 to 5+69 A.C.M.
Sta. 5+69 to 7+45.3 S.S.T.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF October 1957 PER R.P.J. 11-14-57

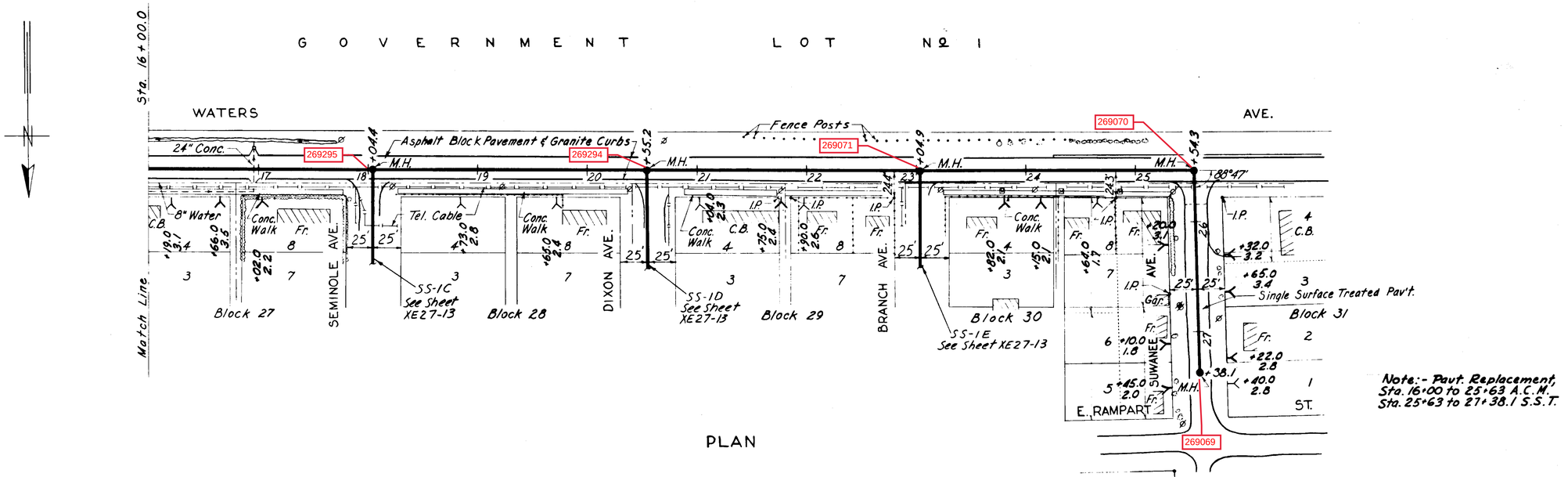
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE27

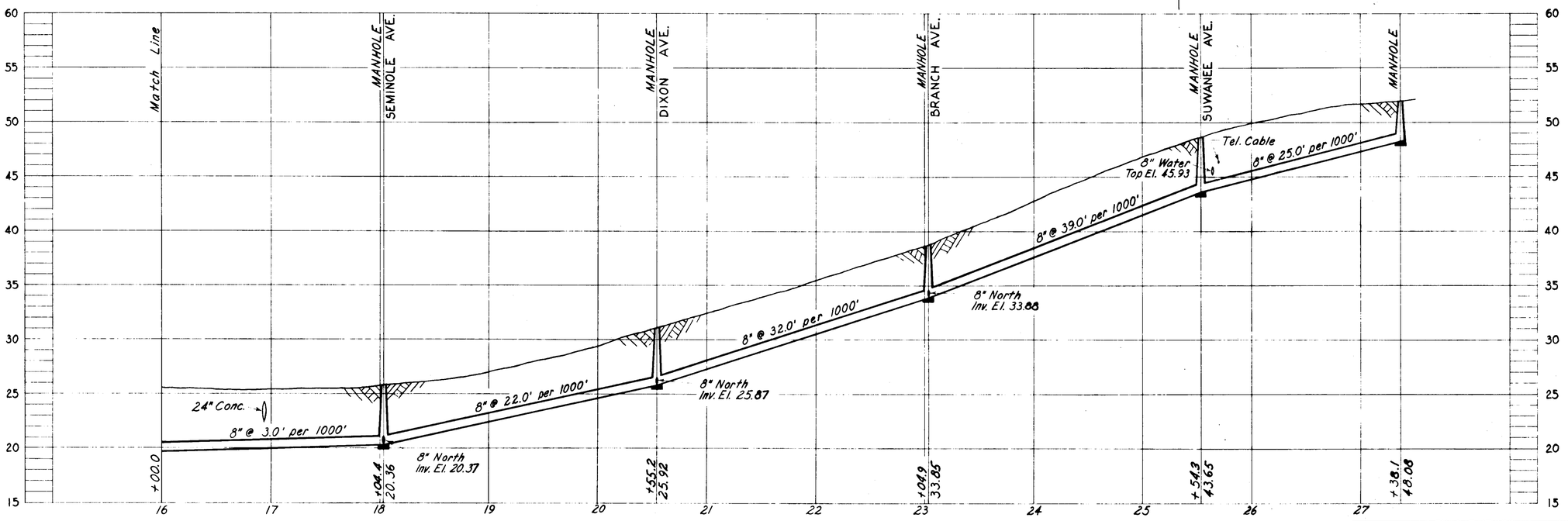
SS-1
STA. 0+00 TO STA. 16+00
& SS-1A

DES. C.M.T.	SCALE	SHEET
DR. G.A.O.	50 0 50 100 1"=50'	XE27-10
CKD. R.E.F.		OF 29
DATE: JUNE 1956		

76-10



PLAN



PROFILE

SS-1

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF October 1957. PER R.E.F. Nov. 1957

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION XE27

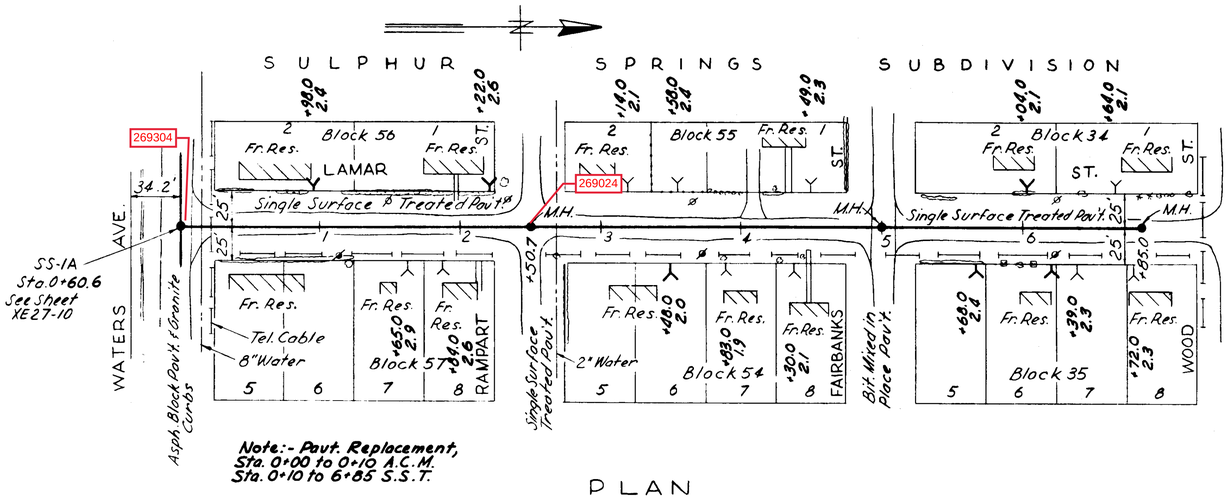
SS-1
STA. 16+00 TO STA. 27+38.1

DES. C.M.T.
DR. G.A.O.
CKD. R.E.F.
DATE: JUNE 1956

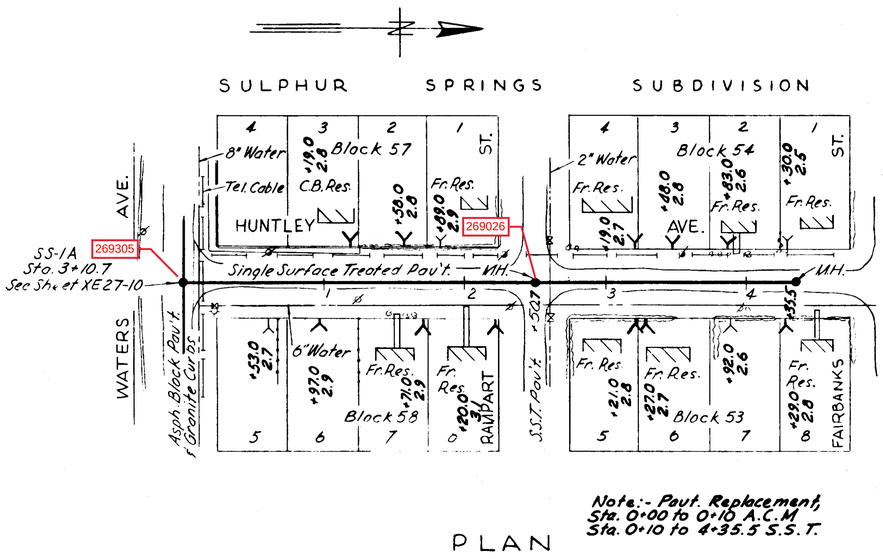
SCALE 50 0 50 100 1"=50'

SHEET XE27-11 OF 29

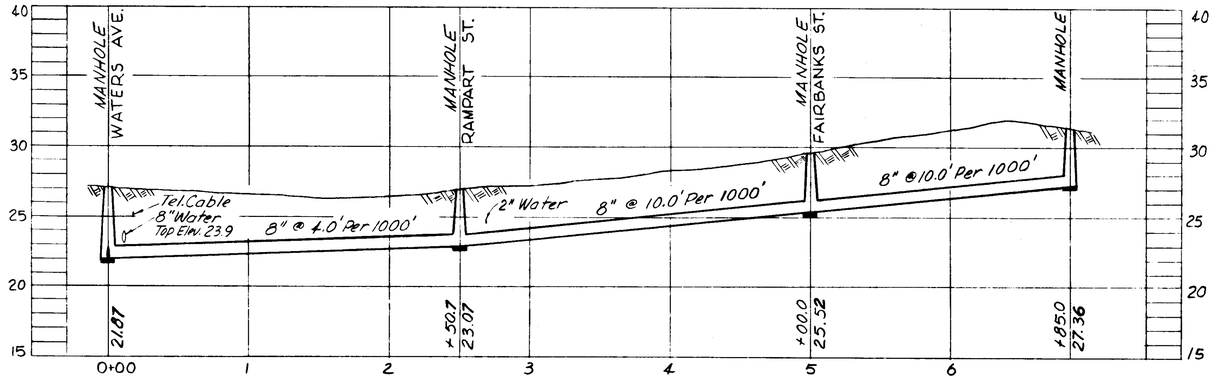
76-11



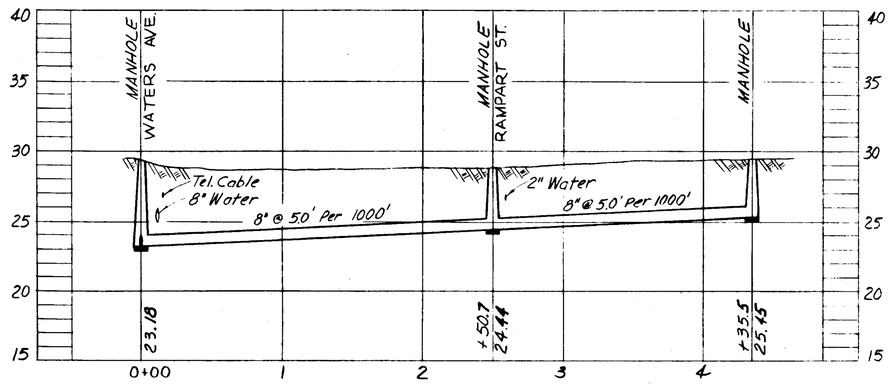
PLAN



PLAN



PROFILE
SS-1A-1



PROFILE
SS-1A-2

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF October 1957 PER R.V.J. Nov. 1957

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

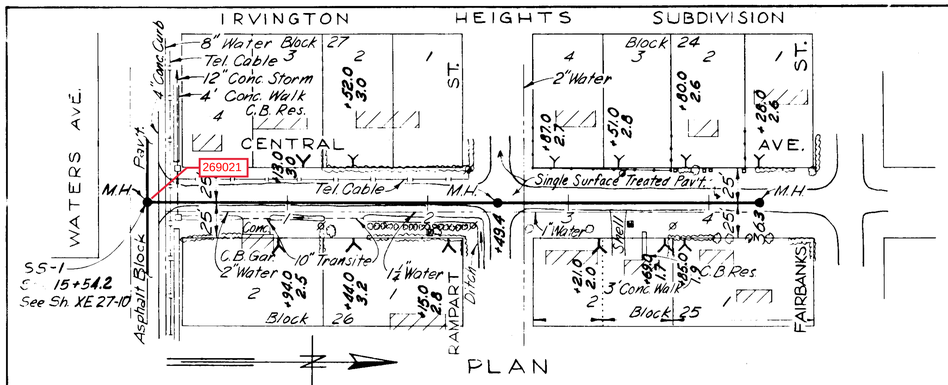
DIVISION XE27

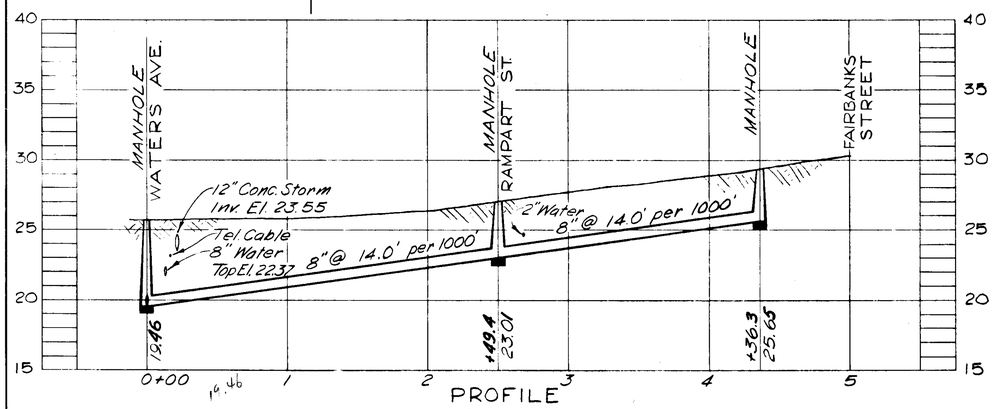
SS-1A-1 & SS-1A-2

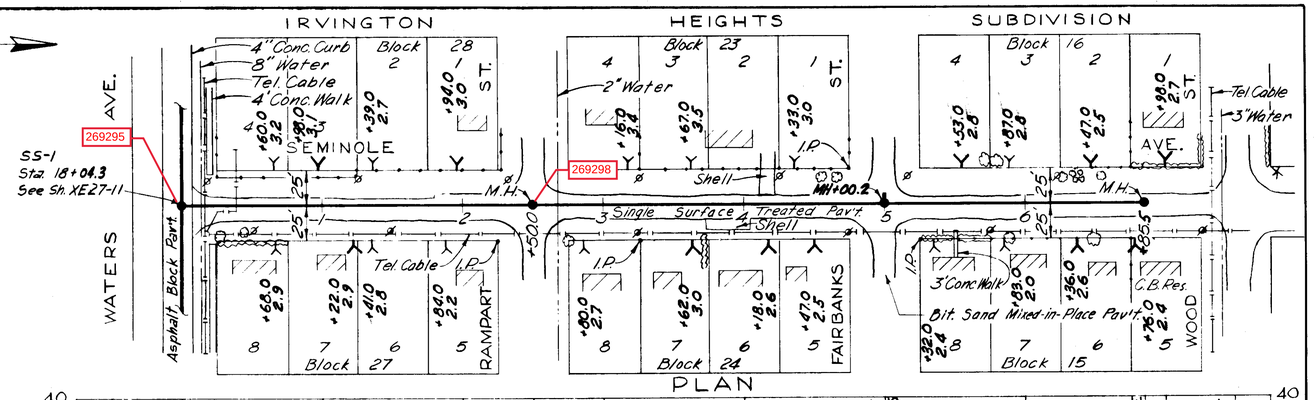
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

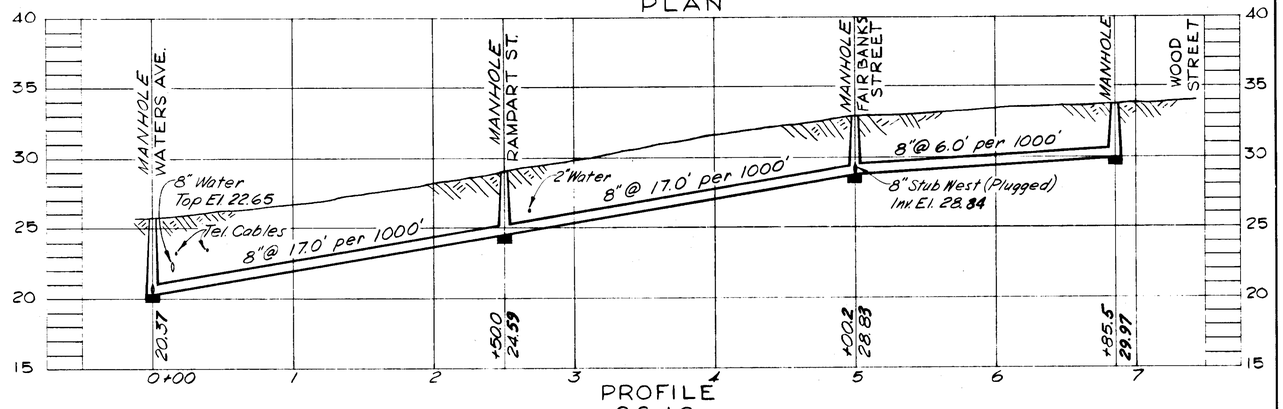
DES. C.M.T. DR. M.R. CKD. R.E.F. DATE: JUNE 1956	SCALE 50 0 50 100 1"=50'	SHEET XE27-12 OF 29

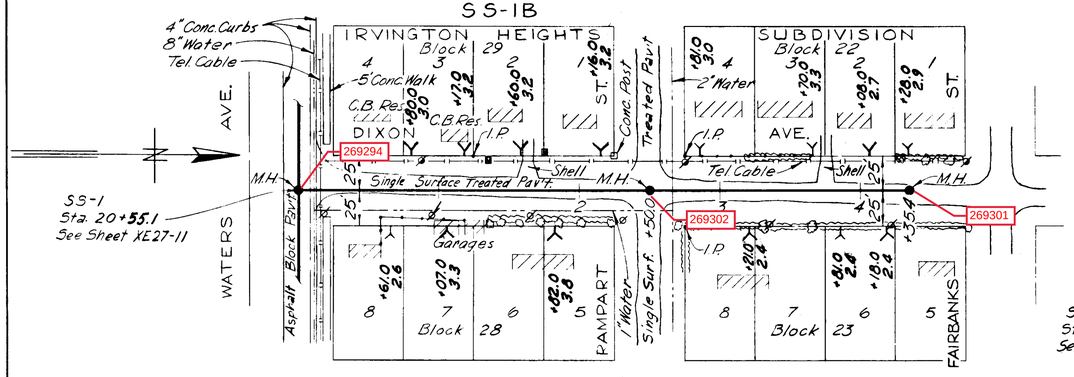
76-12

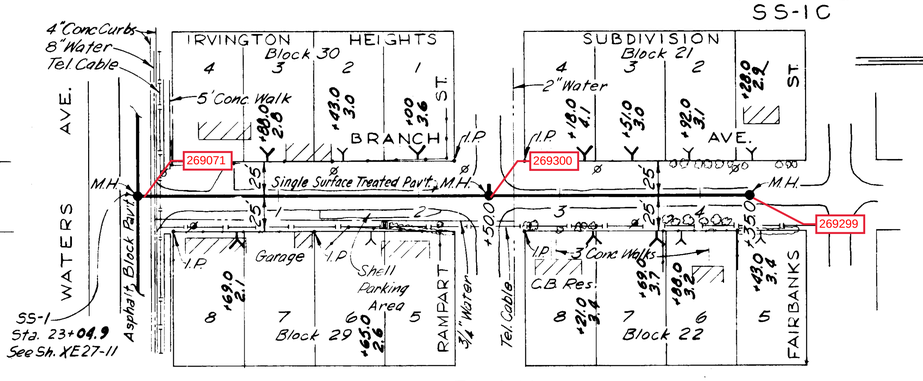


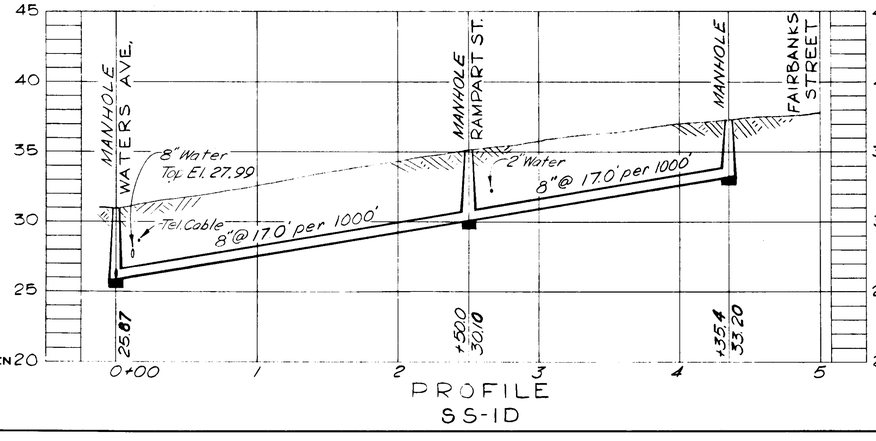


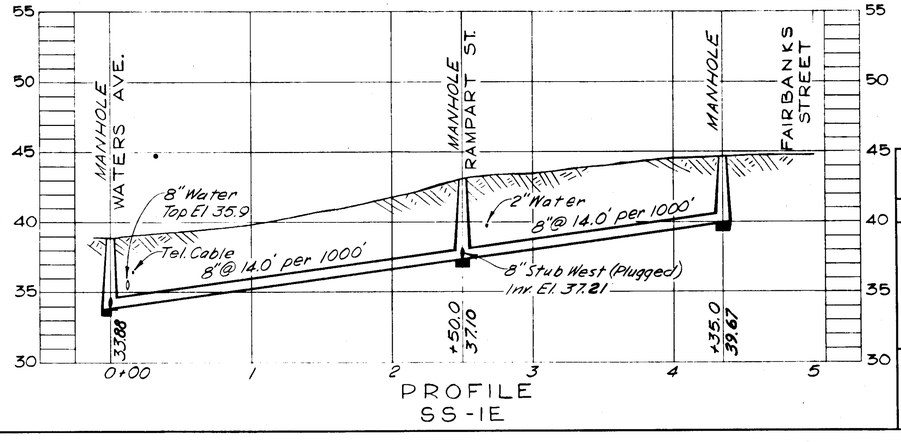












NOTE:
All houses are of frame construction unless otherwise indicated.

Pavt. Replacement,
SS-1B
Sta. 0+00 to 0+08 A.C.M.
Sta. 0+08 to 4+36.3 S.S.T.
SS-1C
Sta. 0+00 to 0+08 A.C.M.
Sta. 0+08 to 6+85.5 S.S.T.
SS-1D
Sta. 0+00 to 0+08 A.C.M.
Sta. 0+08 to 4+35.4 S.S.T.
SS-1E
Sta. 0+00 to 0+12 A.C.M.
Sta. 0+12 to 4+35 S.S.T.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF November 1957 PER R.V.J. Dec. 1957

ELEY AND HANSEN ENGINEERS CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE27

SS-1B, SS-1C, SS-1D & SS-1E

DES. C.M.T.
DR. W.B.W.
CKD. F.F.E.
DATE: JUNE 1956

SCALE 50 0 50 100 1"=50'

SHEET XE27-13 OF 29

76-13

EL PORTAL SUB. BLOCK 33 | EL PORTAL TERR. REVISED | EL PORTAL SUB. BLOCK 27 | BLOCK 26

247994 | 247993

0+000 N.WILLOW AVE. SEWER
4+685 W.WATERS AVE. SEWER

B.M. A7-3-7
□ Cut on N. Edge of N. Side Walk of Waters Ave. 80'± W. of Newport Ave.
Elev. 26.979

W. WATERS AVENUE | N. WILLOW AVENUE | W. EXPORT ST. | XANTHUS ST. | BURGER ST. | W. WOOD ST.

EL PORTAL SUB. BLOCK 1 | EL PORTAL SUB. BLOCK 8

MATCH LINE STA. 11+00 SEE BELOW

MANHOLE W.WATERS AVE. | MANHOLE | MANHOLE

401'-8"VCP @ 0.32% | 397'-8"VCP @ 0.32% | 386.0'-8"VCP @ 0.32%

INV 16.78 | INV 18.02 | INV 18.37

EL PORTAL SUB. BLOCK 23 | EL PORTAL SUB. BLOCK 9 | EL PORTAL SUB. BLOCK 8

ARCTIC STREET | N. WILLOW AVENUE | W. YUKON ST. | N. WILLOW AVE. | N. NEWPORT AVENUE

SEE ABOVE STA. 11+00 MATCH LINE

B.M. A7-4-4
20 Penny Spike In Power Pole, S... Corner, Yukon St. & N. O... Ave.
Elev. 33.857

0+00.0 W.YUKON ST. SEWER = 15+23.0 N.WILLOW AVE. SEWER

DROP MANHOLE ARCTIC ST. | MANHOLE YUKON ST. | MANHOLE N.WILLOW AVE. | MANHOLE N.NEWPORT AVE.

339.0'-8"V.C.P @ 0.32% | 313'-8"V.C.P @ 0.32%

INV. 23.39 (8"WEST) | INV. 22.14 (8"WEST) | 8"(EAST) | 8"(SOUTH) | INV. 22.14 (8"WEST) | 8"(NORTH) | INV. 24.57 (8"SOUTH)

INV. 20.43 | INV. 21.65 | INV. 21.60 | INV. 22.74

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 6-16-65 PER W.V.R.

C.E. DRUMMOND JR. CERTIFICATE NO. 6733 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

N. WILLOW AVE.- W. WATERS AVE. TO W. YUKON ST.
W. YUKON ST.- N. WILLOW AVE. TO N. NEWPORT AVE.

J.E. GREINER COMPANY — CONSULTING ENGINEERS, TAMPA, FLORIDA
WIEDEMAN & SINGLETON ENGINEERS — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

DES. L.D.H.
DRN. J.W.
CKD. R.L.H.
SCALE 1"=50'
DATE NOV. '62

PROJECT 6
DIVISION A
SUBDISTRICT A-7a

SHEET 17 OF 42

90-17

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF 6-14-66 PER W.O.

GEORGE S. JENKINS CERTIFICATE No. 6658 STATE OF FLORIDA REGISTERED ENGINEER

E. DRUMMOND, JR. CERTIFICATE No. 8963 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

EL PORTAL DR.— W. WATERS AVE. NORTH
N. NEWPORT AVE.— W. WATERS AVE NORTH

J. E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS, TAMPA, FLORIDA — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

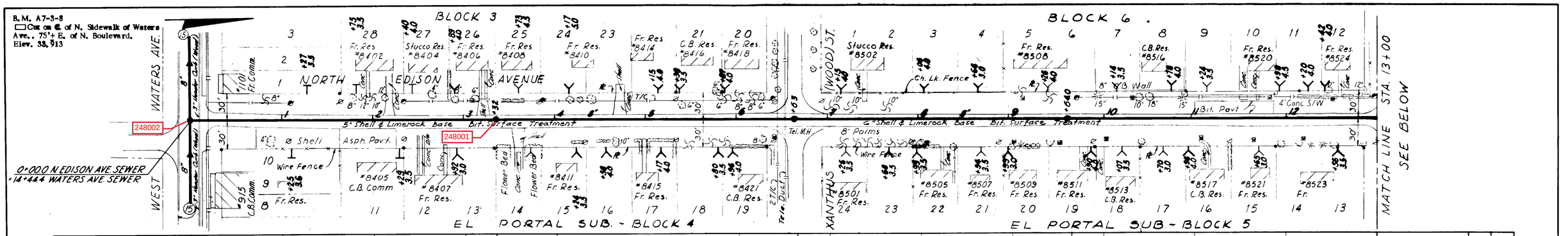
DES. J.E.G.
DRN. J.E.G.
CHD. J.E.G.
SCALE 1"=40'
DATE APR. '62

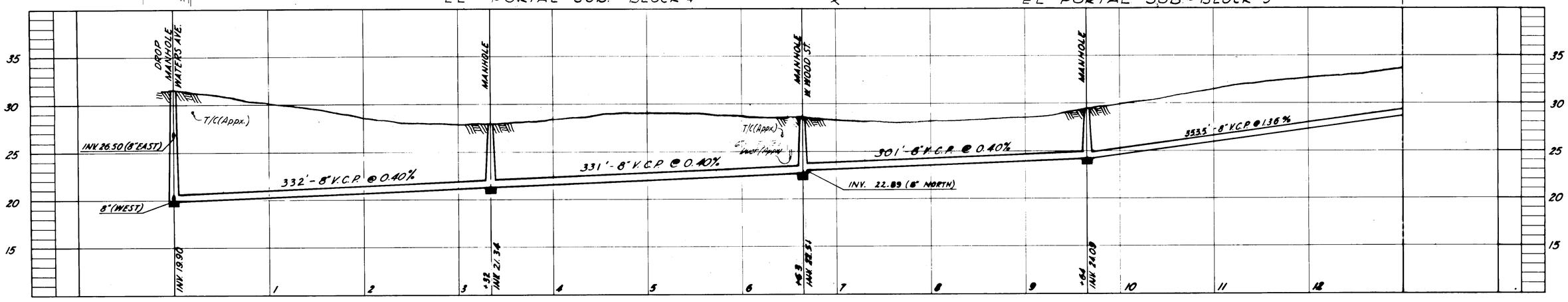
PROJECT 6
DIVISION A
SUBDISTRICT A-7a

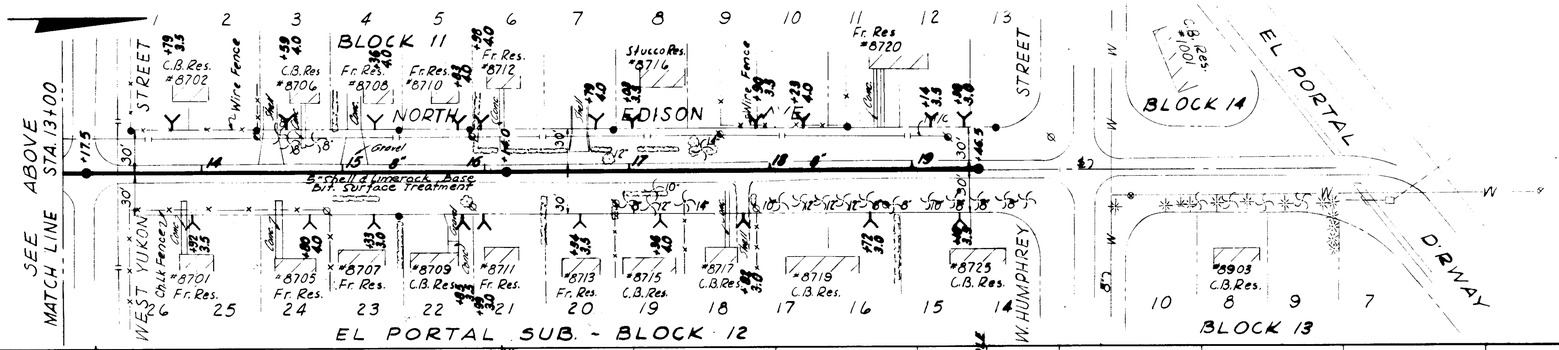
SHEET 20 OF 42

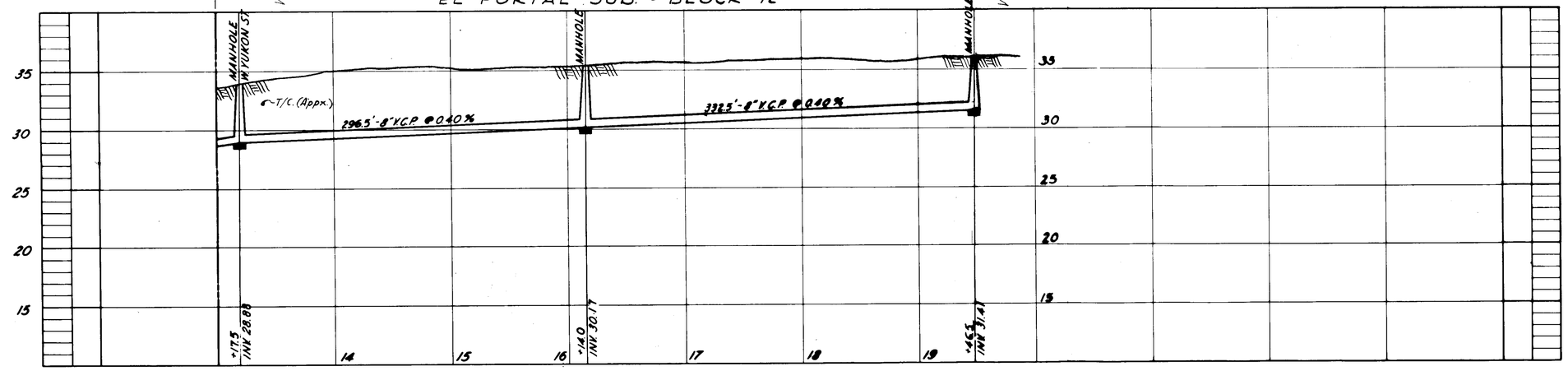
90-20

B.M. A7-3-8
□ Cut on ℄ of N. Sidewalk of Waters Ave., 75'± E. of N. Boulevard.
Elev. 38.513









AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 6-14-65 PER R.V.B.

GEORGE S. JR. CERTIFICATE No. 6068 STATE OF FLORIDA REGISTERED ENGINEER

C.E. DRUMMOND JR. CERTIFICATE No. 6139 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

N. EDISON AVE.– WATERS AVE. NORTH

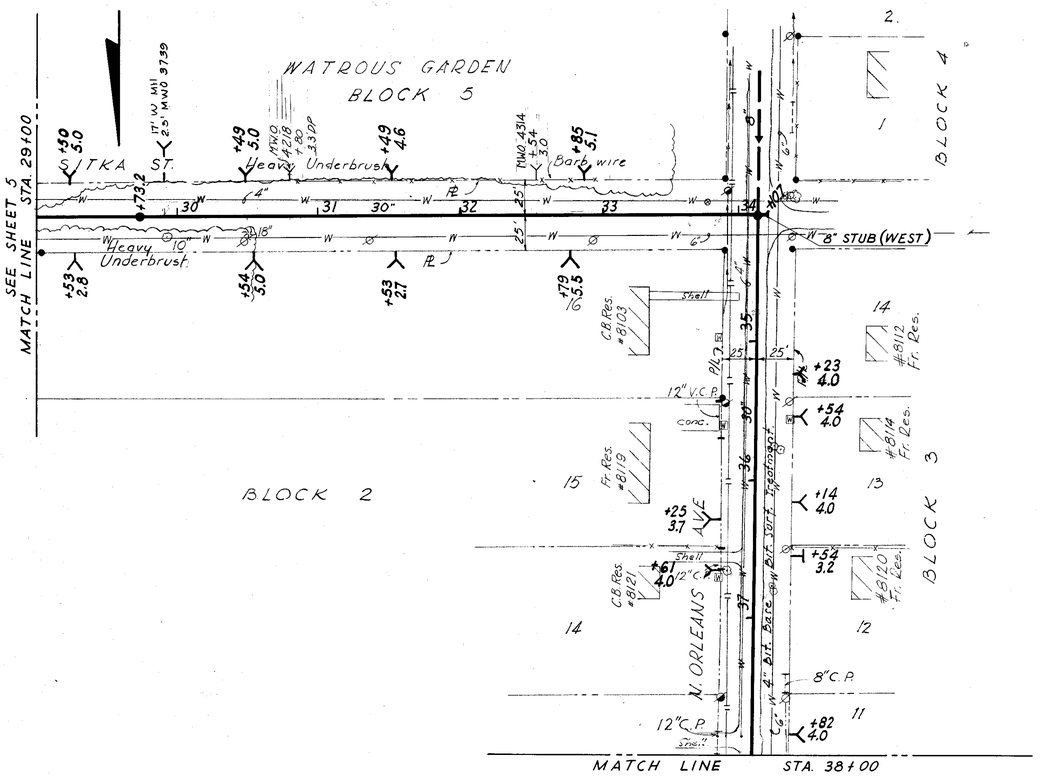
J.E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS, TAMPA, FLORIDA — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

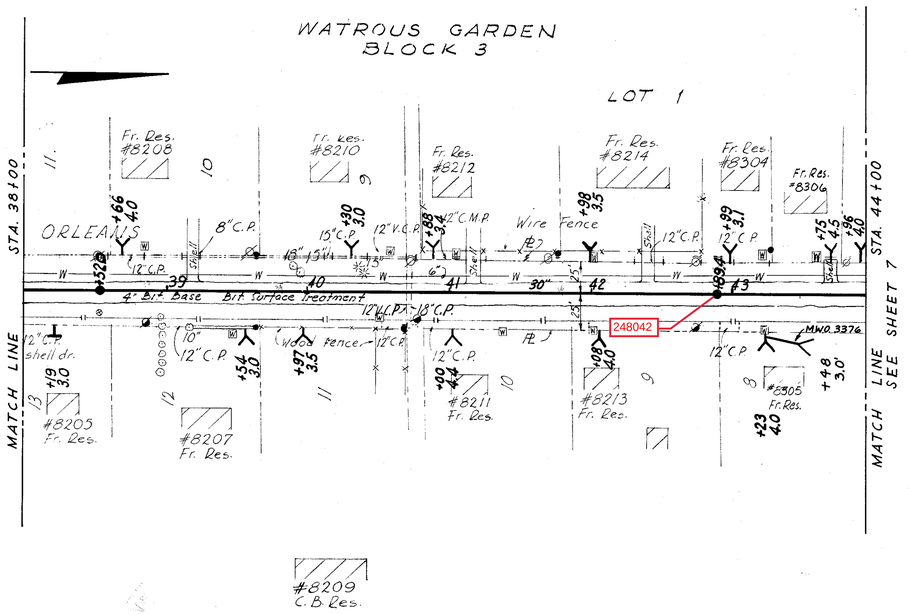
DES. RJW
DRN. RJW
CKD. RJW
SCALE 1"=50'
DATE Nov. '62

PROJECT 6
DIVISION A
SUBDISTRICT A-7a

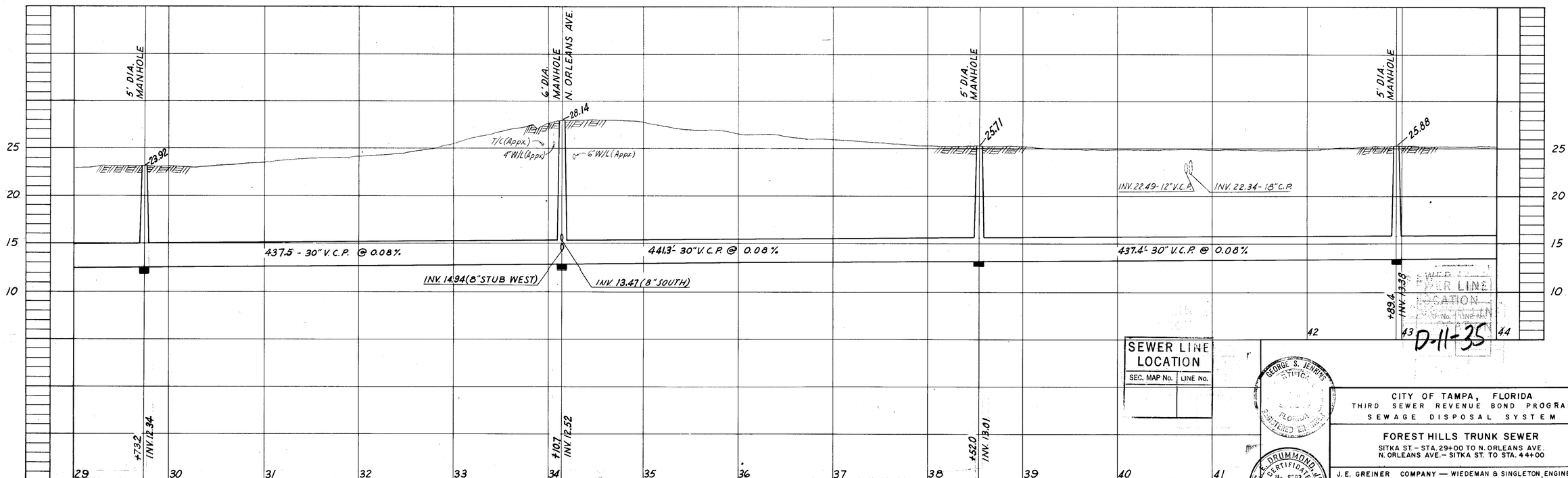
SHEET 21 OF 42

90-21





B.M. A7-3-4
40 Penny Spike in Power Pole, N.W. Corner of Sitka St. & North Orleans Ave.
Elev. 28.991



SEWER LINE LOCATION

SEC. MAP No.	LINE No.

D-11-35

GEORGE S. JENNINGS — STATE OF FLORIDA — REGISTERED ENGINEER

W. C. DRUMMOND JR. — CERTIFICATE No. 8783 — STATE OF FLORIDA — REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

FOREST HILLS TRUNK SEWER

SITKA ST. – STA. 29+00 TO N. ORLEANS AVE.
N. ORLEANS AVE. – SITKA ST. TO STA. 44+00

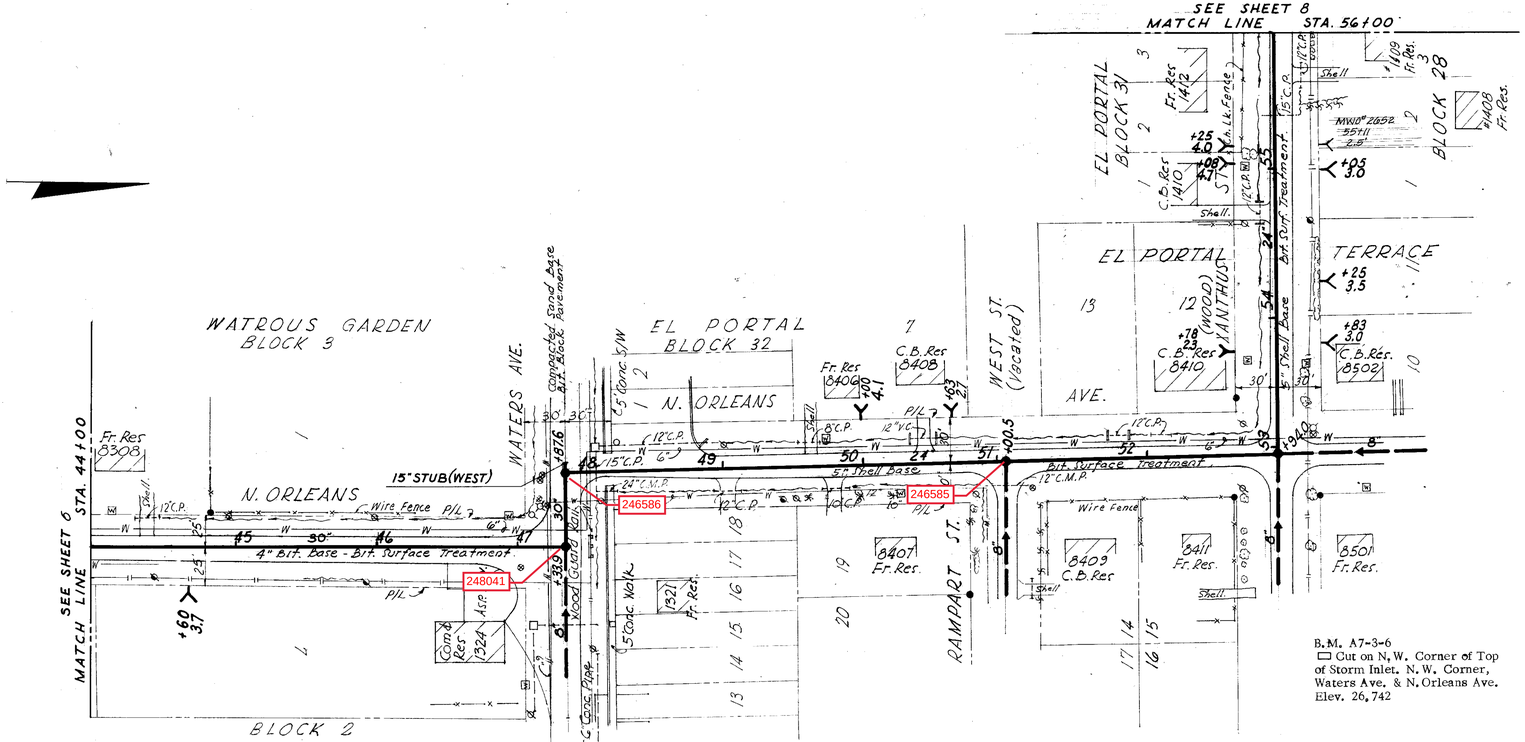
J. E. GREINER COMPANY — CONSULTING ENGINEERS, TAMPA, FLORIDA
WIEDEMAN & SINGLETON, ENGINEERS — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

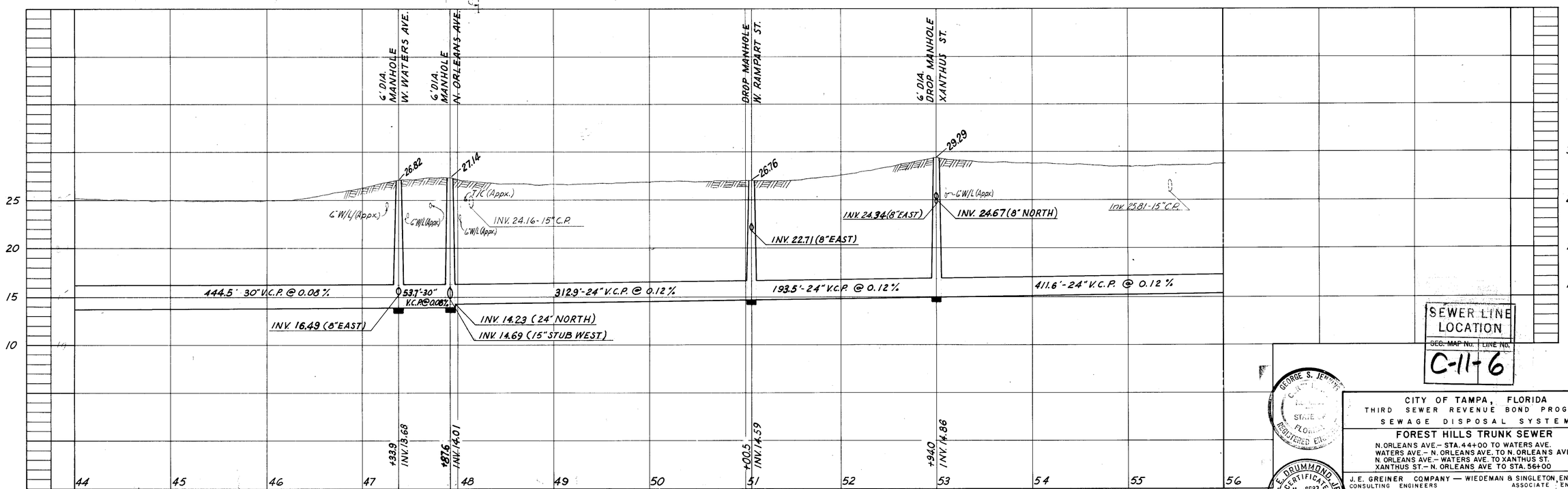
DES. L.O.H.
DRN. L.R.H.
CKD. R.L.W.
SCALE 1"=40'
DATE NOV. '62

PROJECT 7
SUBDISTRICT A-7a

SHEET 6 OF 16

91-6





SEWER LINE LOCATION
SEC. MAP No. C-11 | LINE No. 6

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

FOREST HILLS TRUNK SEWER

N. ORLEANS AVE. – STA. 44+00 TO WATERS AVE.
WATERS AVE. – N. ORLEANS AVE. TO N. ORLEANS AVE.
N. ORLEANS AVE. – WATERS AVE. TO XANTHUS ST.
XANTHUS ST. – N. ORLEANS AVE TO STA. 56+00

J. E. GREINER COMPANY — WIEDEMAN & SINGLETON, ENGINEERS
CONSULTING ENGINEERS — ASSOCIATE ENGINEERS
TAMPA, FLORIDA — ATLANTA, GEORGIA

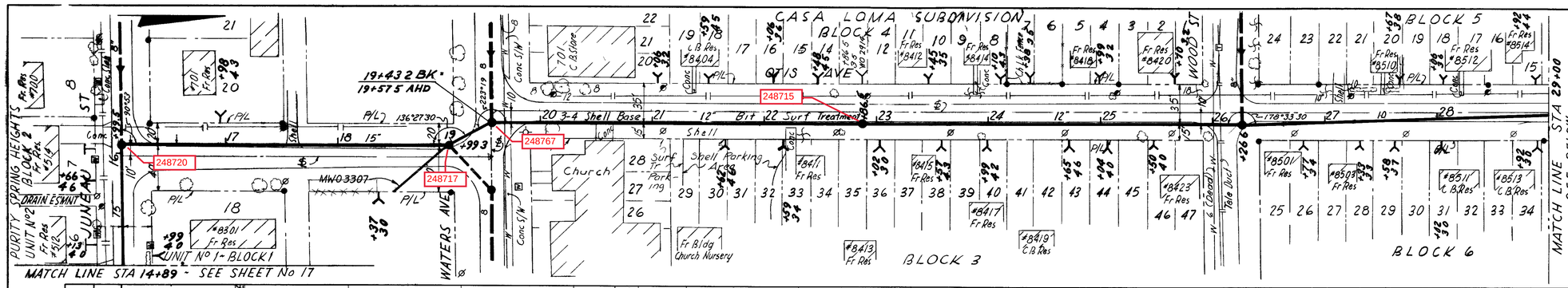
GEORGE S. JENNINGS — CERTIFICATE No. 8983 — STATE OF FLORIDA — REGISTERED ENGINEER
C. E. DRUMMOND, JR. — CERTIFICATE No. 8983 — STATE OF FLORIDA — REGISTERED ENGINEER

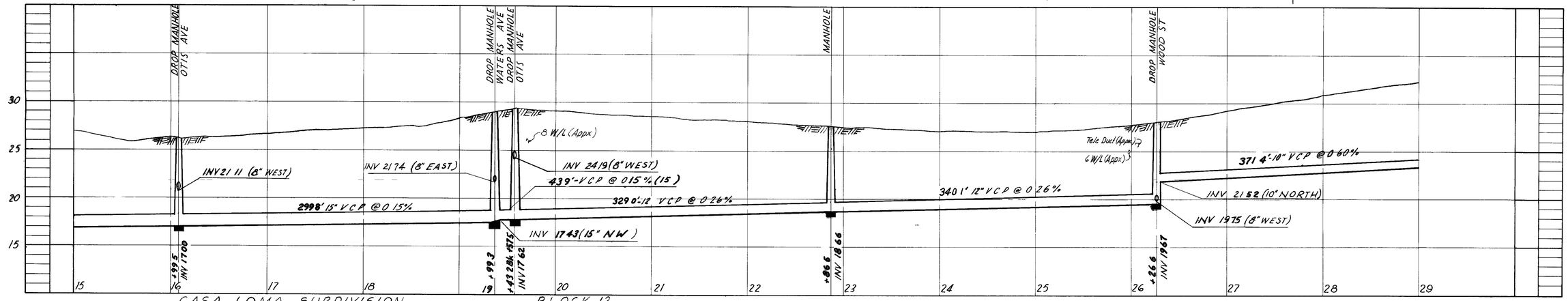
DES. L.D.H.
DRN. E.G.T.
CKD. R.L.H.
SCALE 1"=20'
DATE NOV. '62

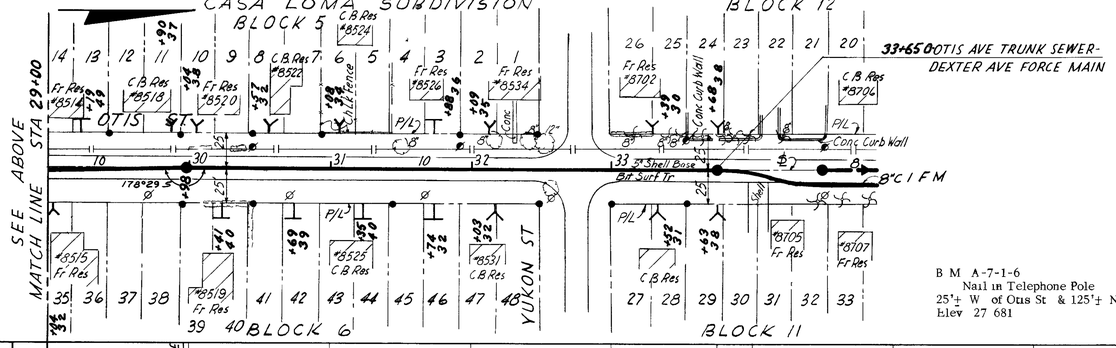
PROJECT 7
SUBDISTRICT A-7a

SHEET 7 of 16

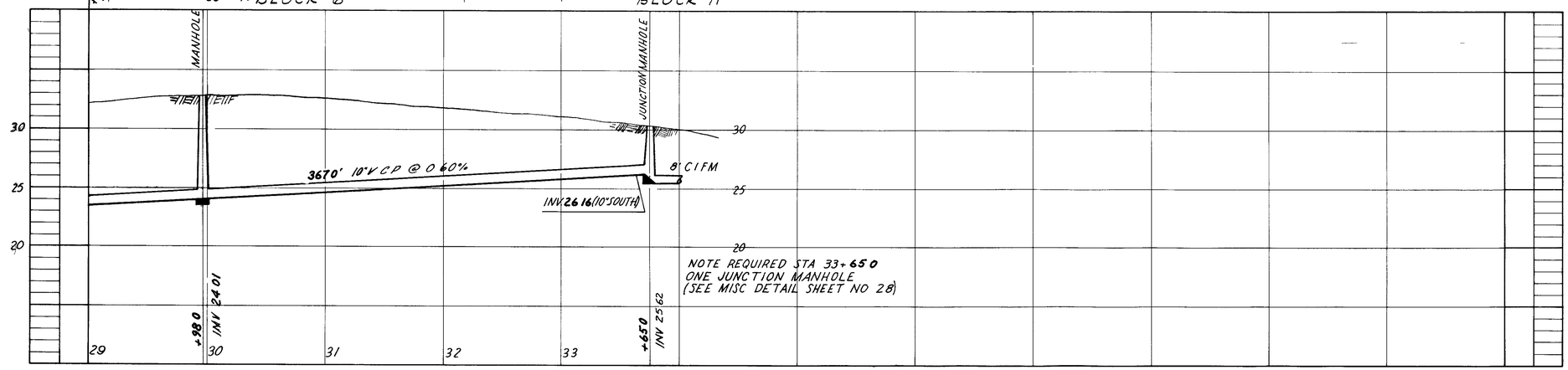
91-7







B M A-7-1-6
Nail in Telephone Pole
25'± W of Otis St & 125'± N of Juneau St
Elev 27 681



SEWER LINE LOCATION

SEC MAP No	LINE No
C-12-9	

AS BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF 6-22-68 PER W V B

GEORGE S JENKINS CERTIFICATE No 6858 STATE OF FLORIDA REGISTERED ENGINEER

G E DRUMMOND JR CERTIFICATE No 8983 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWAGE DISPOSAL SYSTEM

OTIS AVE TRUNK SEWER

JUNEAU ST - STA 15+00 TO OTIS AVE
OTIS AVE - JUNEAU ST TO DEXTER AVE FORCE MAIN

J E GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS TAMPA FLORIDA
ASSOCIATE ENGINEERS ATLANTA GEORGIA

DES LDH
DRN JEM
CKD RLH
SCALE 1"=50'
DATE Mar 68

PROJECT 9
DIVISION A
SUBDISTRICT A-7c

SHEET 18 OF 33

93-18

PURITY SPRINGS HEIGHTS UNIT NO. 2

PURITY SPRINGS HEIGHTS UNIT NO. 1

CASA LOMA SUBDIVISION BLOCK #2 BLOCK #1

0+00.0 WARNER CIR. SEWER
+5+07.2 OTIS AVE TRUNK SEWER

LYNN AVE. — WARNER CIR. — JUNEAU ST. — FIELDING AVE. — OTIS AVE. — W. WATERS AVE. — DEXTER AVE.

Ff. Res. #504 — Ff. Res. #506 — Ff. Res. #508 — Ff. Res. #514 — Ff. Res. #700 — Ff. Res. #702 — Ff. Res. #706 — Ff. Res. #709 — Ff. Res. #301 — Ff. Res. #701 — Ff. Res. #703 — Ff. Res. #705 — Ff. Res. #707

#8106 Ff. Res. — #8112 C.B. Res. — #503 C.B. Res. — #505 Fr. Res.

4" Shell Base - Bit. Surf. Tr. — Bit. Surf. Treatment — Conc. Slab — Conc. S/W — Bit. Strip — Sand Base — Bituminous Block — P.S.T. Strip — Sand Base — Bituminous Block — 4"-8" Ø — 15" C.P. — 8" W — 36" — 15" — 8" — 12" — Ø

CHURCH BLDG — C.B. CHURCH CLASSROOMS

0+00.0 JUNEAU ST. SEWER
+6+01.6 TRUNK SEWER

0+00 WATERS AVE. SEWER
+9+00 OTIS AVE. TRUNK SEWER

EQUALITY :
STA. 0+50.9 SEWER BK =
STA. 0+35.0 SEWER AH =
& STA. 0+25.00

B.M. A7-1-7
Cut in N.W. Corner of N.W. Coping Slab. Announcement Structure, Forest Hills Baptist Church, N.E. Corner Otis & Waters. Elev. 30.343

MATCH LINE STATION 4+00 SEE BELOW.

B.M. A7-1-4
Cut on N.W. Corner of Conc. Apron of Driveway E. Side Lynn Ave., 100'± N. of Sitka (Res. 8103 Lynn) Elev. 27.221

B.M. A7-1-6
Nail in Telephone Pole 25'± W. of Otis St. & 125'± N. of Juneau St. Elev. 27.681

DROP MANHOLE LYNN AVE. — 35' BEGIN PROJECT II — T/C (Appx.) — 242'-8" V.C.P. @ 0.48 % — INV. 22.24 (8" WEST) — 15" (NORTH & SOUTH) — INV. 15.37 — INV. 23.40

DROP MANHOLE OTIS AVE. — 35' BEGIN PROJECT II — T/C (Appx.) — 244.5'-8" V.C.P. @ 1.32 % — INV. 20.03 (8" WEST) — 15" (NORTH & EAST) — INV. 16.99 — MANHOLE — INV. 23.25

DROP MANHOLE OTIS AVE. — 15" BEGIN PROJ. II — 50.9'-8" V.C.P. @ 0.59 % — 15" R.C.P. Inv. Elev. 24.97 — 221.0'-8" V.C.P. @ 0.37 % — 275.5'-8" V.C.P. @ 0.40 % bet. Manholes — MANHOLE DEXTER AVE. — 8" (NORTH) — INV. 21.55 (8" NORTHEAST) — 15" (SOUTH & NORTHWEST) — INV. 17.43 — +30.9 B.K. = +35.0 Ahd EQUALITY — INV. 21.85 — +36 INV. 22.67

MANOR HILLS SUB BLOCK 19 — MANOR HILLS SUB BLOCK 13 — MANOR HILLS SUB BLOCK 12

SEE ABOVE MATCH LINE STATION 4+00

LYNN AVE. — OLA AVE. — HIGHLAND AVE. — ASHLEY AVE.

Ff. Res. #505 — Ff. Res. #501 — Ser. Sta. #413 — Store #413 — Shop #409 — Ser. Sta. #401 — Store #317 — C.B. Res. #315 — C.B. Bldg. 309-307 — C.B. Bldg. 303-305 — Ff. Bldg. — Ff. Res. #237 — Ff. Res. #229 — Ff. Res. #402½ — #8213 C.B. Res. — Ff. Bldg. — C.B. Bldg.

W. WATERS AVE. — Ramps — Conc. S/W — Bit. Strip — Sand Base - Bituminous Block — Bit. Parking Area. — 248728 — 8" STUB (EAST)

MANHOLE LYNN AVE. — MANHOLE OLA AVE. — MANHOLE HIGHLAND AVE. — MANHOLE ASHLEY AVE.

bet. Manholes 275.5'-8" V.C.P. @ 0.40 % — 279.5'-8" V.C.P. @ 0.45 % — 8" (NORTH) — INV. 23.75 — T/C (Appx) 280.5'-8" V.C.P. @ 1.42 % — INV. 25.02 (8" EAST) — 8" (NORTH & SOUTH) — INV. 25.01 — 317.5'-8" V.C.P. @ 1.42 % — 8" (NORTH) — INV. 28.98 — 8" STUB (EAST) — 8" (NORTH) — INV. 33.46

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF Aug 12 1964 PER HK

GEORGE S. JENKINS CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

C. E. DRUMMOND, JR. CERTIFICATE No. 8983 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

WARNER CIR. - LYNN AVE. TO 250' W.
JUNEAU ST. - OTIS AVE. TO 241' W.
W. WATERS AVE. - OTIS AVE. TO ASHLEY ST.

J. E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS — ASSOCIATE ENGINEERS
TAMPA, FLORIDA — ATLANTA, GEORGIA

DES L.P.H.
DRN J.E.A.
CKD C.S.W.
SCALE 1"=50'
DATE MAY. 63

PROJECT II
SUBDISTRICT A-7C

SHEET 5 OF 31

95-5

0+00.0 WATERS AVE SEWER
= 19+57.5 OTIS ST. TRUNK SEWER

WATERS AVE.

248755

248754

Sand Base 1 8" 2 Bit. Block 3 8" 4

Conc. Sidewalk

Conc. Sidewalk

OTIS AVE.

HAMNER AVE.

NORTH BLVD.

#701 C.B. Store

#707 Stucco Res.

#713 Fr. Res. 27

#801 C.B. Res.

#803 Fr. Res.

C.B. Church

#801½ Fr. Res. 2 Story

CASA LOMA SUBDIVISION

B.M. A7-1-7
Cut in N.W. Corner of N.W. Coping Slab. Announcement Structure, Forest Hills Baptist Church, N.E. Corner Otis & Waters. Elev. 30.343

MANOR HILLS SUBDIVISION
BLOCK 12

ASHLEY

248744

248743

1 3" Shell Base 2 8" 3 Bit. Surf. Tr. 4 8" 5

6" STUB (EAST)

W. WATERS AVE.

Trailer Park

0+00.0 ASHLEY ST. SEWER
= 14+09 WATERS AVE. SEWER

#8415 C.B. Res.

#8417 Fr. Res.

#8419 Fr. Res.

Brick Planter

W. WOOD ST.

BLOCK 5
PENDLETON HEIGHTS SUBDIVISION

DROP MANHOLE

OTIS AVE.

BEGIN PROJECT II

MANHOLE

MANHOLE

290.0'-8" V.C.P. @ 1.34 %

164.0'-8" VCP @ 0.40 %

INV. 24.00 (8" WEST)

INV. 17.77 (12" NORTH)
15" (SOUTHEAST)

INV. 17.49

+90.0 INV. 27.88

+54 INV. 28.54

MANHOLE

WATERS AVE.

MANHOLE

MANHOLE

8" W/L Top Elev. 35.80

313'-8" V.C.P. @ 1.00 %

275'-8" V.C.P. @ 2.01 %

6" STUB (EAST) & 8" (WEST)

INV. 33.46

INV. 36.59
+1.3

+88 INV. 42.39

0+00.0 HIGHLAND AVE. SEWER
= 10+91.5 WATERS AVE. SEWER

MANOR HILLS SUBDIVISION
BLOCK 13

HIGHLAND AVE.

Conc. Slab

Fr. Bldg.

#3015½ C.B. Res.

#3013 C.B. Bldg.

Mano. 3787

248741

248740

2 4" Shell Base 3 Bit. Surf. Tr. 4 8" 5

6" (Abandoned) ST.

W. WATERS AVE.

W. WOOD

3" N.M. (3.5") M.N. 0.3855

#8409 Fr. Res.

#8411 Fr. Res.

#8413 C.B. & Fr. Res.

#8415 Fr. Res.

#8427 Fr. Res.

#8427 Fr. Cott.

#8427 Fr. Res.

BLOCK 12
MANOR HILLS SUBDIVISION

MANHOLE

WATERS AVE.

MANHOLE

MANHOLE

8" W/L Top Elev. 31.33

294'-8" V.C.P. @ 1.54 %

293'-8" V.C.P. @ 1.18 %

8" (EAST & WEST)

INV. 28.98

+84 INV. 33.52

+87 INV. 36.97

INV.

AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS
AS OF Aug. 12, 1964 PER HK

GEORGE S. JENNINGS CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

C.E. DRUMMOND, JR. CERTIFICATE No. 8983 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

WATERS AVE.-OTIS AVE. TO 454' W.
ASHLEY ST.-W. WATERS AVE. TO 588' N.
HIGHLAND AVE.-W. WATERS AVE. TO 587' N.

J.E. GREINER COMPANY — CONSULTING ENGINEERS, TAMPA, FLORIDA
WIEDEMAN & SINGLETON ENGINEERS — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

DES. HK
DRN. CJW
CKD. CJW
SCALE 1"=50'
DATE MAY. 63

PROJECT II
SUBDISTRICT A-7C

SHEET 6 OF 31

95-6

CASA LOMA SUBDIVISION BLOCK 1

0+00.0 LYNN AVE. SEWER

+5+31.5 W. WATERS AVE. SEWER

CASA LOMA SUBDIVISION BLOCK 8

LYNN AVE.

W. WATERS AVE.

WOOD ST.

YUKON ST.

MATCH LINE STA. 14+00 SEE BELOW

248734

248733

4" Shell Base Bit. Surf. Tr.

4" Shell Base Bituminous Surface Tr.

BLOCK 19 MANOR HILLS SUBDIVISION

BLOCK 18 MANOR HILLS SUBDIVISION

MANHOLE W. WATERS AVE.

MANHOLE

MANHOLE WOOD ST.

MANHOLE

MANHOLE YUKON ST.

Tel. Duct (Appx.)

6" W.L. (Appx.)

8" W/L - Top Elev. 26.10

330'-8" V.C.P. @ 0.65 %

3296'-8" V.C.P. @ 0.41 %

329.4'-8" V.C.P. @ 0.30 %

329.8'-8" V.C.P. @ 0.42 %

bet. MANHOLES 188'-8" V.C.P. @ 0.74 %

8" (EAST & WEST)

INV. 23.75

INV. 25.91

INV. 27.26

INV. 28.54

INV. 29.91

CASA LOMA SUBDIVISION BLOCK 9

B.M. A7-1-7
Cut in N.W. Corner of N.W. Coping Slab. Announcement Structure, Forest Hills Baptist Church, N.E. Corner Otis & Waters. Elev. 30.343

SEE ABOVE STA. 14+00 MATCH LINE

LYNN AVE.

4" Shell Base

BLOCK 17 CASA LOMA SUBDIVISION

PURITY SPRINGS HEIGHTS UNIT NO. 1 BLOCK 11

OLA AVE.

W. WATERS AVE.

248728

248736

248735

3" Shell Base Bituminous Surface Treatment

0+00.0 OLA AVE SEWER

+8+11 W. WATERS AVE. SEWER

BIRD ST.

PURITY SPRINGS HEIGHTS UNIT NO. 1

MANHOLE

MANHOLE W. WATERS AVE.

MANHOLE

MANHOLE

188'-8" VCP @ 0.74% between MANHOLES

250'-8" V.C.P. @ 0.35 %

240'-8" V.C.P. @ 0.42 %

INV. 25.02 (8" EAST)

8" (NORTH & WEST)

INV. 31.30

INV. 25.01

INV. 25.89

INV. 26.93

AS-BUILT PLAN

REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF Aug. 12 - 1964 PER HK

GEORGE S. JENKINS CERTIFICATE No. 6858 STATE OF FLORIDA REGISTERED ENGINEER

J.E. DRUMMOND JR. CERTIFICATE No. 8963 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

LYNN AVE. - W. WATERS AVE. TO 1506.8' N.
OLA AVE. - W. WATERS AVE. TO 500' S.

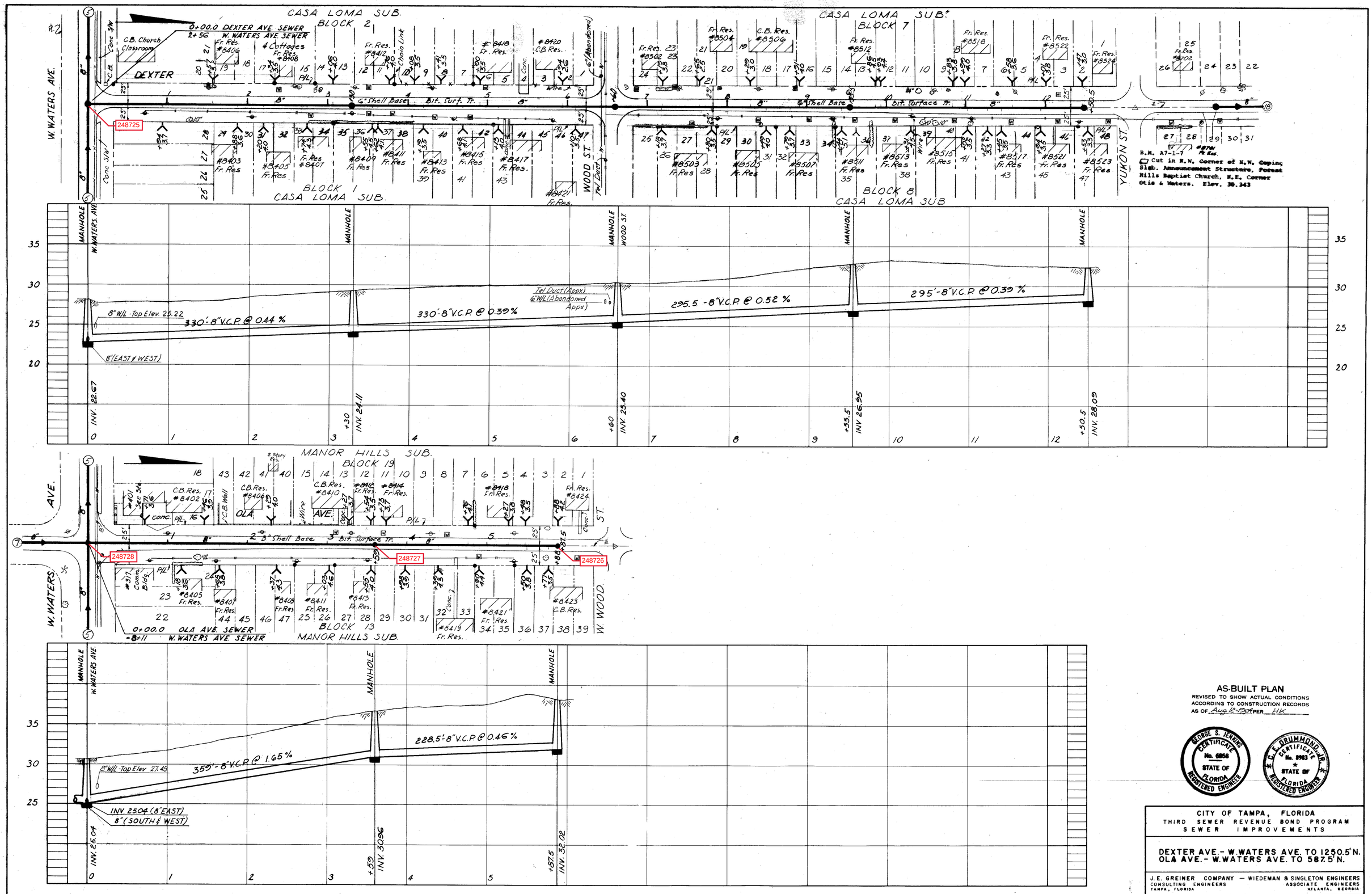
J.E. GREINER COMPANY — CONSULTING ENGINEERS, TAMPA, FLORIDA
WIEDEMAN & SINGLETON ENGINEERS — ASSOCIATE ENGINEERS, ATLANTA, GEORGIA

DES. LDB
DRN. LDB
CKD. LDB
SCALE 1"=30'
DATE MAY. 63

PROJECT II
SUBDISTRICT A-7C

SHEET 7 OF 31

95-7



AS-BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS
AS OF Aug. 12-1964 PER HK

GEORGE S. JENKINS CERTIFICATE No. 6856 STATE OF FLORIDA REGISTERED ENGINEER

J.E. DRUMMOND, JR. CERTIFICATE No. 8983 STATE OF FLORIDA REGISTERED ENGINEER

CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

DEXTER AVE. - W. WATERS AVE. TO 1250.5' N.
OLA AVE. - W. WATERS AVE. TO 587.5' N.

J.E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
CONSULTING ENGINEERS — ASSOCIATE ENGINEERS
TAMPA, FLORIDA — ATLANTA, GEORGIA

DES. LDH
DRN. LLS
CKD. LDH
SCALE 1"=50'
DATE MAY 63

PROJECT II
SUBDISTRICT A-7C

SHEET 8 OF 31

95-8

NOTE 8 VCP San Sewer (40) Northwesterly from MH (Sta 97+00 0) could receive by gravity flows to existing private treatment plants (2) now serving Shopp ng Center (Kwik Chek & Touchtans)

Fut Constr to exist private treatment plants by others

ACREAGE

ASPHALT PAVT for Shopping Center

Gr El 44 C±
8 VCP Inv El 31 65
Plug @ R/W

EXIST R/W

Tee @ +13 5
4 0

Shell Oil Co Station

Conc

AVE

Scale
20' Horiz
50' Vert

STA 95+000

(See Note above)

Prop 8 C I P Water

Prop Tel Cable (40 Cover)

40 - 8 VCP @ 0 40 % (No Prof le)

Pl & MH

Prop 8 C I P Water

Exist 1½ Water
Prop 2 Gas 30 Cover

Prop 18 RCP

45

45

℄ CONST

+40 00

21 5

City Limits

6" HC

28 2

Prop 2" Gas (30 Cover)

Prop 15 RCP

8 Water C.I.P Reloc

Exist 8" Water

Exist 4" Water

JO MH

246659

+46 00

21 5

24 Water (Exist)

4 Water (to be abandoned)

Prop 24" RCP

96

SR ℄

97

Edge of Exist Paving

98

99

100

Exist 24" Water

Prop 30" RCP

4 Water

4 Water (to be abandoned)

Pl & MH

44 00

+60 00

15

18

33

Prop 24 RCP

6" HC

54 5

21 5

33

6 HC

6 HC

6 HC

EXIST R/W

MATCH LINE

STA 100+750

MATCH LINE

Tan & Gravel

Tee @ +47
3 5

Tee @ +25
3 5

Station Equation
Sta 96+60 West
= Sta 96+43 78 East

Tee @ +21
4 0

Steel Partition

Tee @ +20
3 5

Prop 2" Gas (42" Cover)

(Bldg Site)

#2519

ACREAGE

#2508
Biff Burger Res

Cons Walk

Conc

Stand Oil Co Sta

ARMENIA

33

33

Revision, Dated 12 8 67
Sta 93+00 to Sta. 113+00,
Storm Sewer shifted from south side to North side of Roadway

55
50
45
40
35
30
25
20

STA 95+000

MATCH LINE

1½ Water to Shopping Center

8 VCP @ 0 40 %

Prop 18 RCP

Pl & MANHOLE

Exist 24 Water

Pl & MANHOLE

56 6 8 VCP @ 4 80 %

8 VCP Northwest Inv El 31 49

Prop 24" RCP

Exist & Prop Grade @ ℄ Constr

Sewer Length Not to Scale

Exist 24 Water

Prop 15 RCP

Exist 6 Water

ARMENIA AVE

MANHOLE

Exist 8 Water

8 VCP @ 0 40 %

8 VCP @ 1 84%

2946

STA 100+750

MATCH LINE

3485

+60 0
34 21

31 49
+00 0
31 47

+40 0
30 11

+75

95
96
97
98
99
100

W O. 1878

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
SECTION 10520 - 3601
STATE ROAD S-587 (WATERS AVE.)
STA. 95+00 0 TO STA. 100+75 0

AUG. 1967

SHEET 4 OF 11

111-26

NOTE Relocation of Exist 8 C I P Water line along North side of Waters Ave from Sta 100+15 to Sta 103+02 shall be adjusted by City of Tampa Water Dept prior to San Sewer Construction

NOTE All G House Connections to N R/W from Sta 112+35 to Sta 133+75 in general shall be extended beneath (min 15) existing 8 C I P Water line

Scale
1" = 20 Horiz
1 = 50 Vert

WATERS AVE

NORTH HILLSBORO SUB

STA 100+750

STA 106+000

MATCH LINE

Tee @ +97 (Service Station @ N E cor Armenia & Waters

8 C I P Water Reloc

Exist 8 Water

5-G ↕

10' Min

6 HC

246660 P I & MH

246661 MH

5' CONC S/W

New R/W ?

Tee @ +89 15

Tee @ +03 15

Tee @ +30 15

Tee @ +48 50

Tee @ +79 45

Exist 8 Water

6 HC

℄ CONST

℄ SR 5

101 102 103 104 105

Exist 24" Water

4" Water

Prop 30 RCP

15" RCP

48 of 8 C I P @ 0.32%

(No Profile)

Exist 24" Water

4" Water

Prop 30 RCP

New / Exist R/W

8" V C P South Plug Inv El 21.97

PARCEL 1

PARCEL 2

PARCEL 3

PURE 5 St

Wye @ +06 6" V C P Extended beneath Exist 24" C I P Water

Wye @ +75 6" V C P Extended beneath Exist 24" C I P Water

EVANS ST

Fr Res Vacant

2310 Fr Res)

6" V C P Stub S F.F. & R/W

Tee @ +71 36

Tee @ +16 39

16.5 B V C P @

Wye @ H.O 37

WADE ST

50 R/W

25 25

150 25

65 5'

Exist Dump/Fill Area 8/67

VISTA PLAT OF MITCHELL PARK SUB

Revision Dated 12 8 67
Sta 93+00 to Sta 113+00,
Storm Sewer shifted from South side to North side of Roadway

Note S/W Sewer Removed, H.C.'s substituted Sta 103+00 to 104+62.6 - Rev 12 8 67

45 40 35 30 25 20 15

MATCH LINE STA 100+750

EVANS ST

P I & MANHOLE

WADE ST

MATCH LINE STA 106+000

Prop Gr @ ℄ of Constr

Exist Gr @ ℄ of Constr

Exist 8 Water

Prop 30 RCP

8" V C P @ 1.84%

Exist 24" Water

Prop 30 RCP 15" RCP

8" V C P @ 2.08%

Exist 8 Water

8" V C P @ 0.40%

8" C I P South Inv El 21.82

Obscured Pipe Entering Manhole

2949

400 26.43

+626 22.97

2127

+75 101 102 103 104 105 106

WO 1878

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
SECTION 0660-3601
STATE ROAD S-587 (WATERS AVE.)
STA. 100+78.0 TO STA. 106+00.0

Aug. 1967

SHEET 5 OF 13

111-27

Revised, 12 29 67, this sheet
NOTE Fut San Sewer in Easemt/S/W from Sta 106+75 to 112+82

Scale
1" = 20' Horiz
1 = 30' Vert

WATERS AVE

STA 106+000 — MATCH LINE — STA 112+00

246662 MH — 244505 MH

Exist 8 Water
Exist 24 Water
4 Water
Prop 15 RCP
Exist Edge of Paving
℄ CONST
SR ℄
Prop 42 RCP
5 CONC S/W
EXIST R/W
Prop 4 G I P (Tel Cond)
8 Water (Exist)
Std Conc Collar
6" HC
Exist 24" Water
4" Water
NEW/EXIST R/W
OLD R/W
New R/W
New R/W (Corn)
Prop 15 RCP
Wyes @ 110+35 110+76 & 111+285
Extend 6 C I P Wye Conn full payment length beneath exist 24" Water & prop 42 RCP to S R/W @ min slope of 2.66%

107 108 109 110 111 112
7 1/2 7 1 62 40± 28± 7

PARCEL 3
PARCEL 4
PARCEL 5
HOWARD AVE
SAULRAY ST
25 25 25 25
ITCHELL
PARK
SUB

Exist Dump / Fill Area (8/'67)

NOTE Parcel 4 cannot be served by connection from Waters Ave, Future service will be provided on Saulray Ave

2106
2112

Revision Dated 12 8 67
Sta 93+00 to Sta 113+00
Storm Sewer shifted from South side to North side of Roadway

MATCH LINE STA 106+000 — STA 112+000 MATCH LINE

P I MANHOLE HOWARD AVE
MANHOLE SAULRAY ST

Prop 15 RCP
8 VCP @ 0.30 /
Exist 8 Water
Prop 42 RCP
Exist 24 Water
8 VCP @ 0.32 /
Prop 15 RCP
Prop Grade @ ℄ of Constr
Exist Grade @ ℄ of Constr
Prop 4" G I P, Tel Cond)
8 VCP @ 0.40 /o
Exist 8" Water
Prop 42 RCP
Exist 24 Water

1126 2222
1622 2142

40 35 30 25 20 15 10
106 107 108 109 110 111 112

W O 1878

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS
SANITARY SEWER CONSTRUCTION
SECTION 10820 3601
STATE ROAD S-587 (WATERS AVE.)
STA 106+00.0 TO STA 112+00.0
SHEET 6 OF 13

111-28

Scale
H 20' Horiz
V 5.0 Vert

NOTE Fut San Sewer in Easem't / SIW from Sta 106+75 to 112+82

NOTE All G Hse Connections to N R/W from Sta 114+70 to Sta 133+75 in general shall be extended beneath (min 15") existing 8 C I P Water line, See Rev Date on Sheet 111 28 (12 29 67)

ALBANY AVE

WATERS AVE

FREMONT AVE

MATCH LINE STA 112+000

MATCH LINE STA 118+000

Fr Res 1917

CB Res / Comm 1915 Car Port

Fr Res 1909

Plug IN Gr El 26 3± Inv El 18 78

Prop 15 RCP FL 217

700± of 8" VCP @ 0 40%

2" Water

Tee @ 0+83 3 1

Plug

5' CONC SIW

PI & MH BOX

30 8 CIP @ 0 32%

MH

89°39

FL 219

Std Conc Collar

Exist 24" Water

4" Water Prop 42 RCP

Wye @ +83 6" C.I.P tail paym't length of Hse Conn extended to S R/W beneath exist 24" Water & Prop 42 RCP 3 4

Old R/W New R/W

Prop 10 x 5

Wye @ +76 6" C.I.P tail paym't length of Hse Conn extended to S R/W beneath Prop 36 RCP & above exist 24" C.I.P Water

Note Gr Elev 2± below exist St crown

#2102

Shell

Tee @ +67 4 7

NEW/EXIST RW

5' CONC. SW

Prop 15" RCP

6" HC

MH

Tee @ +67 4 5

Tee @ +46 4 2

Exist 8" Water 6" HC

Prop 15" RCP

6 HC

Edge of Exist Paving

Std Conc Collar

Prop 36 RCP

℄ CONST

℄ SR 5

Prop 36 RCP

6 HC

5' CONC SW

NEW/EXIST R/W

Exist 24" Water

4 Water

Prop 36 RCP

Tee @ +55 3 3

Tee @ +18 3 5

Tee @ +76 3 0

Tee @ +46 3 4

Shell Pav

Dirt

Wood Ref

Shell

Wire Fence

Dirt

Wire Fence

New R/W (Corner)

0+73 3 4

1914 Res

1910 Res

1904 Res

1900 Served by Fremont Ave Sewer

121 122 123 124 125 126 127 128

WEST SUB

244506 246653 244507

+93 7 +120

Revision Dated 12 8 67

Sta 93+00 to Sta 113+00 ~ Storm Sewer shifts from South side to North side of Roadway

Sta 113+00 thru Sta 123+00 ~ Storm Sewer remains as shown hereon

MATCH LINE STA 112+000

P I & MANHOLE

8" VCP @ 0 40%

8 CIP @ 0 30%

ALBANY AVE

MANHOLE

8 CIP to N W Inv El 18 50

Exist Grade @ ℄ Constr

Prop Grade @ ℄ Constr

Prop 15 RCP

8 VCP @ 0 30%

MANHOLE

Prop 15 RCP

Exist 24" Water

Exist 8" Water

Prop 36 RCP

8 VCP @ 0 30%

3' Conc Encasement

MATCH LINE STA 118+000

18 87 18 50 +93 7 +15± Conc Box +33 7 18 38 +72 0 17 66 16 98

Prop 10'x5' FL 194

112 113 114 115 116 117 118

40 35 30 25 20 15 10

Schematic Section

11½ Thick Base Slab & 8 CIP San

Note See Specifications for Cast Iron Pipe Type and Designation between Sta 112+93 7 & Sta 113+33.7.

5' 0"± 5' 0"± 113+15±

Conc Storm Box (10'x5')

Elev 19 40

Top El 19 2 8" CIP

Inv El 18 43 (8 CIP)

8" CIP San. Slope (0 30%) without Joints within base Slab of Storm Box Structure

Note Bottom of Base Slab & 8" CIP nearly common in elev

W O 1878

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
SECTION 10820-3601
STATE ROAD S-587 (WATERS AVE.)
STA 112+00.0 TO STA 118+00.0

AUG. 1967

SHEET 7 OF 13

111-29

GOLDSTEINS ADDN TO NORTH TAMPA

BEL - HAZZAN SUB

WEST WILMA

Scale
1" = 20' Horiz
1" = 50' Vert

STA 118+000

STA. 124+000

MATCH LINE

JONES AVE

FREMONT AVE

PACKWOOD AVE

50' R/W

OLD R/W

Exist Pav't

Res #1901 Lot 3

Tee @ 0+94 (8x6) 40

Plug Gr El 2280 ± Inv El 1756

Tee @ 0+72 (8x6) 35'

Tee @ 0+18 (8x6) 37

Tee @ 1+90 35

Tee @ 0+73 4' (Serves #1900 W Waters)

Tee @ 0+89 57' Serves #1810 W Waters Ave

Tee @ Sta 119+26 Shall Extend beneath exist 24" Water Line 34'

Tee @ 1+38 35'

Tee @ 1+49 35'

Tee @ +75 44

Tee @ +25 40

Tee @ +53 9 35

(Approx Loc only) #1817

On Sewer 1801 Fr Res

On Sewer Fr Res 1711

Fr Res #1712 Waters Ave

LODGE BLDG 1800 Fr Bldg

244508

246650

244509

MH

Prop 18 RCP

Prop 15 RCP

Prop 30 RCP

Prop 24 RCP

Prop 36 RCP

Exist 24 Water

Exist 4" Water

Exist 8" Water

Exist 8" VCP San.

4" Water

New/Exist R/W

New R/W (Storm Sewer)

New R/W (Corn)

New/Exist R/W Identical W from N W Corn of Lot 133

Edge of Exist Paving

5' CONC SW

6" HC

6' HC

℄ Constr

℄ CONST

SR ℄

Lawn Area

NOTE Lots 129 thru 132 are apparent Residential site of #1810 Waters Ave, Struct approx 200' of Waters Ave

Plug 5 Gr El 277± Inv El 1730

Gr El 29 5± Inv El 17.26

Maintain 60' depth @ R/W

100 of 12" VCP @ 0.20% (No Profile)

100 of 8" VCP @ 0.40% (No Profile)

360'-8" VCP @ 0.40% (No Profile)

Prop 15" RCP

Prop 8.5'

Prop 26.5'

Prop 32.5'

Prop 38.5'

Prop 15' RCP

Prop & Exist Grade @ ℄ of Constr (Nearly Common)

8" VCP North Inv El 17.16

8" VCP South Inv El 16.81

8" VCP @ 0.30%

12 VCP South Inv El 17.10

15' VCP @ 0.12%

15 VCP @ 0.12%

MANHOLE

Revision, Dated 12-8-67
None on this sheet

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS
SANITARY SEWER CONSTRUCTION
SECTION 10520-3801
STATE ROAD S-587 (WATERS AVE.)
STA. 118+00.0 TO STA. 124+00.0
AUG. 1967

SHEET 8 OF 13

WO 1878

111-30

Scale
1" = 20' Horiz
1" = 50' Vert

OAKWOOD MANOR ACREAGE

WATERS AVE

ROME AVE

STA 124+000

STA 130+000

MATCH LINE

MATCH LINE

Prop Tel Cable, 36" Cover Sta 124+00 to 127+00

OLD R/W

New R/W

5 CONC S W

Exist 8" Water to Remain

8" WATER

244512

D MH

6" HC

Exist Paving

126 ℄ Constr ℄

℄ CONST

127

128

Edge of Exist Paving

129

24" Water

4" Water

6" Water

24" Water

6 HC

5 CONC S W

EXIST R/W

New R/W

160

Note Sewer Connection for #1602 provided on Dakota Ave

Fr Res 1711 On Sewer

Fr Res 1707

Fr Res 1705

C.B Res 1703

Comm 1701 See Note 1

Comm "Pool Shed" 1623 See Note 1

Conc Slab

1613 Comm

Conc SW

Comm Bldg (Duo Fees)

See Note 2

1601 Comm/Res

Note: Maintain 6' Depth @ R/W Line

Tee @ +80 3.5'

Tee @ +07 3.5'

Tee @ +54 3.5'

Tee @ +05 5.0

Tee @ +25 3.1'

Tee @ +00 5.0'

200'±

Conc

Shell

Conc

Tee @ 01 3.6'

Tee @ +83 3.3'

Tee @ +30 for Fut Bldg Site 3.4'

Tee @ +61 3.4'

Tee @ +74 3.5

WO 3984 +53 25

Dirt

Dirt

Conc

Car Port

1708 Comm

1706 Fr Res

1702 2 Story Fr Res

1700 Comm

1700½

1620 Comm C.B Stucco

1614 Fr Res

1602 Car Port Funeral Home

(Ownership)

120'-8" RCP @ 0.40% (No Profile)

25

25'

6"HC

Tee @ 1+04 for #1620 3.8'

Plug to 5 Gr El 33.01 Inv El 22.48

Tee @ 1+14 for #1700 - 1700½ 5.0'

W WILMA

WILMA OAK GROVE SUB

SUB

138 139 140 141 142 143 11 12 13 14 15 16

125 126 127 128 129

Exist Grade @ ℄ Constr

Prop Grade @ ℄ Constr

DROP ID MANHOLE ROME AVE.

Exist 8" Water

Exist 8" Water

Exist 24" Water

Exist 24" Water

8" VCP South Inv El 22.00

15" VCP @ 0.12%

15" VCP @ 0.12%

+36.00 15.85

15.49

1621

WO 1878

NOTES

1 Nos 1623 and 1701, Sewer Connections from Waters Ave will not be required under this Contract, City forces will provide connections from Rome Ave Sewer.

Revision, Dated 12 8-67
None on this sheet

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
SECTION 10520 + 3601
STATE ROAD S-587 (WATERS AVE)
STA 124+000 TO STA 130+000

AUG. 1967

SHEET 9 OF 13

111-31

EL PORTAL SUB

Scales
Horiz 1" = 20'
Vert 1" = 5

Approx Loc/Size Comm Bldg 1417-19

Cabinet Shop 1421

1511 Fr Res

1415 Fr Res

Note Not Served by San HC from Orleans Ave

BLOCK 32 — 1401 Service Station — Pump Islands & Storage Tanks

BLOCK 33 — 1321

ORLEANS AVE

New R/W (Corner)

SR Nº S-587

WATERS

Conc Paved Lot Auto Soles

Dirt Drive

Wire Fence

Conc

C.B. Rec Well

STA 130+000

MATCH LINE

Tee @ +30 +3.5

Tee @ +51 3.5

Tee @ +77 3.5

Tee @ +40 Dirt 4.7

Tee @ +77 (#1401) 4.0

EXIST R/W

5 CONC SW

6 HC

Prop 15 RCP

MH 179.4 – 15 VCP @ 0.12%

244515

244517

PI & MH

306.5 – 15 VCP @ 0.12%

Prop Tel Cable, 36" Cover

15 RCP

30 RCP

24" RCP

2" Water

246586

248041

Exist 30 San

Exist 8 San

24 Water

6 Water

Prop 24 RCP

Prop 30" RCP

6" HC

SRD &

℄ Constr

Profile

91.03

131

132

133

134

135

136

8900

+45.5

+79.4

+21.0

26.5

8.5

30

1.34

Tee @ 0+47 4.0 4±

Tee @ 0+45 6.0

Tee @ 1+11 4.0

Tee @ 1+44 3.5

Tee @ 1+73 4.0

Tee @ 1+95 4.0

Tee @ 1+84 4.0

Exist Gr El 27.2± Inv El 15.89

Exist Gr El 30.4± Inv El 16.50

53' 8 VCP @ 0.40%

Plug

Dirt

Conc

Dirt ALLEY

Exist Manhole BEGIN SAN SEWER CONSTR TO WEST – STA 135+19± (Exist 15" VCP Stub W)

New R/W (Corner)

Note: No San HC to Vac Lot from Orleans Ave

Exist 30" San

Lot 1

BLOCK 3

BLOCK 2

DAKOTA AVE

OREGON AVE

150 – 8 VCP @ 0.40% (No Profile)

NOTE Provide 6 Connections 6" & 8" from 8 VCP @ points 110 & 148 respectively and S from MH

14.25

14.25

25

25

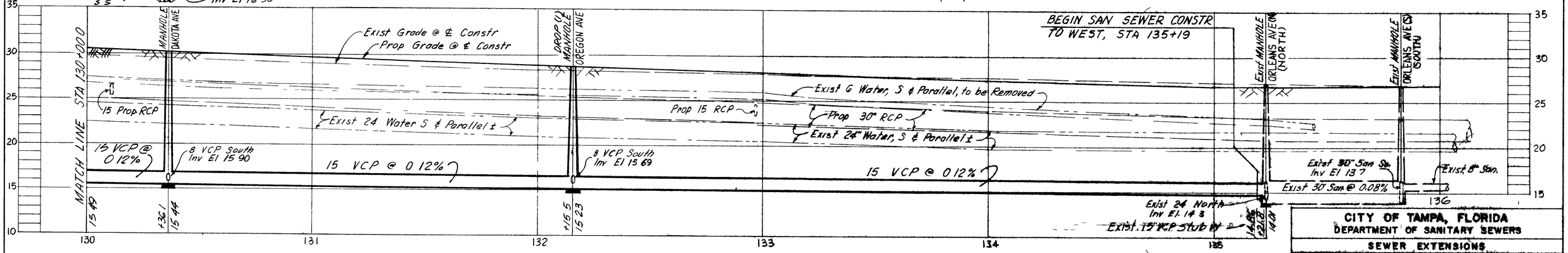
1412 Fr Res

1414 Fr Res

LITTLE WILMA SUB

Revised

Revised Map of WATROUS GARDENS



Revision, Dated 12-8-67
Sta 130+00 to Sta 134+00, Shift Storm Sewer from indicated location along South side, to North 6 ft

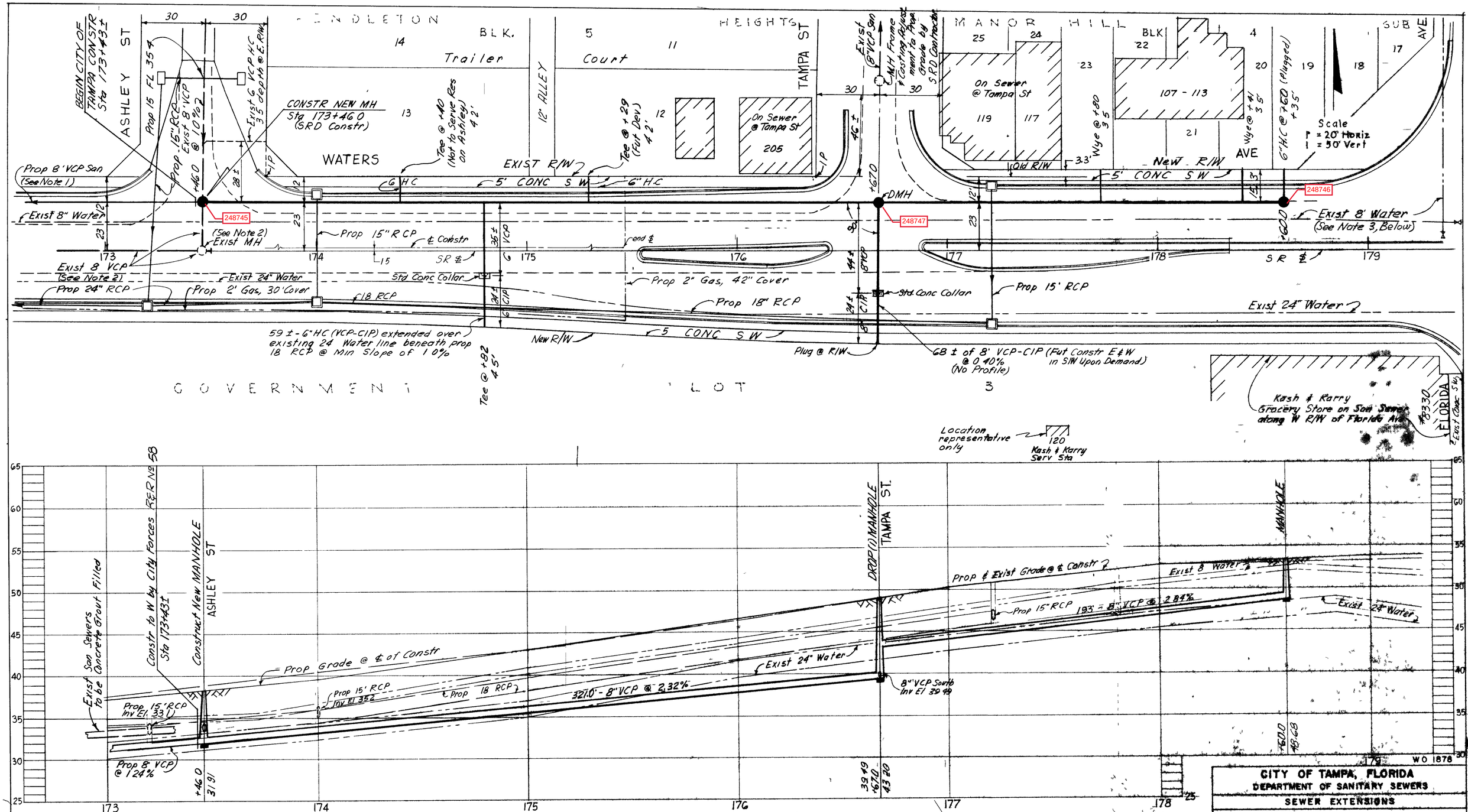
CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
SECTION 10620-3601
STATE ROAD S-587 (WATERS AVE.)
STA 130+00.0 TO STA. 136+21.0

SHEET 10 OF 15

AUG 1967

111-32



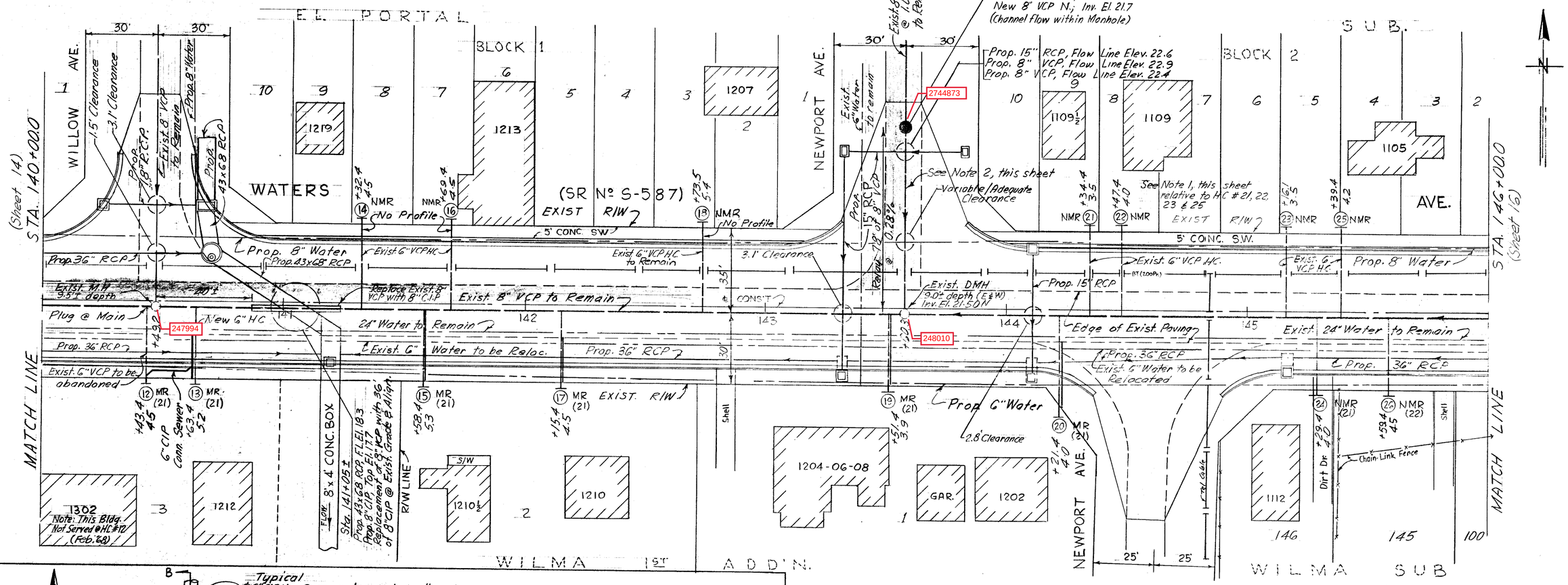
Revision, Dated 12-8-67
Sta 159+00 to Sta 177+20±; Shift Storm Sewer from indicated location along South side, to North 6 ft.

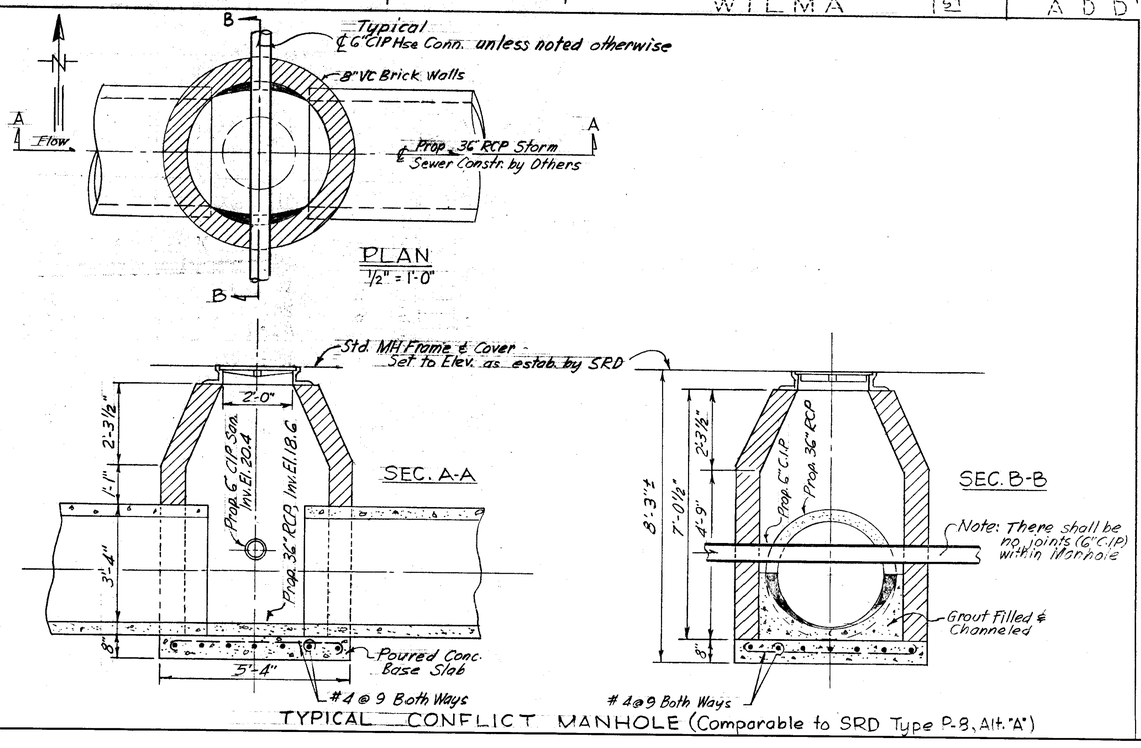
NOTES

1. Modification of Exist San Sewers by City of Tampa Forces West from Ashley St will be required prior to Manhole Constr (Sta 173+46) by SRD Contractor.
2. Portions of exist San Sewers deactivated by new construction by City Forces will, upon completion of new installation, be concrete grouted full and Manhole casting salvaged and M.H. filled with compacted clean dirt.
3. Relocation of exist 8" Water line Sta 177+88 to East, must be a run 2 - 8" ℄'s S. of Prop Gravity N ℄ Parallel.

CITY OF TAMPA, FLORIDA
DEPARTMENT OF SANITARY SEWERS
SEWER EXTENSIONS
SANITARY SEWER CONSTRUCTION
SECTION 10520 - 3601
STATE ROAD S-587 (WATERS AVE.)
STA. 173+46.0 TO STA. 178+60.0
AUG. 1967
SHEET 11 OF 13
WO 1878

111-33





NOTES:

1. Exist. 6" VCP House Connection to North R/W of Waters Ave.; Nos. 14, 16, 18 also 21, 22, 23 & 25 shall be protected by installer of proposed 8" Water. (NO PROFILES PROVIDED)
2. Relay 78' of Exist. 8" VCP N. from Manhole @ Waters Ave.–Newport Ave. Intersection beginning at identical invert Elev. (21.50) as existing.

R & R 58 W.O. 1781'

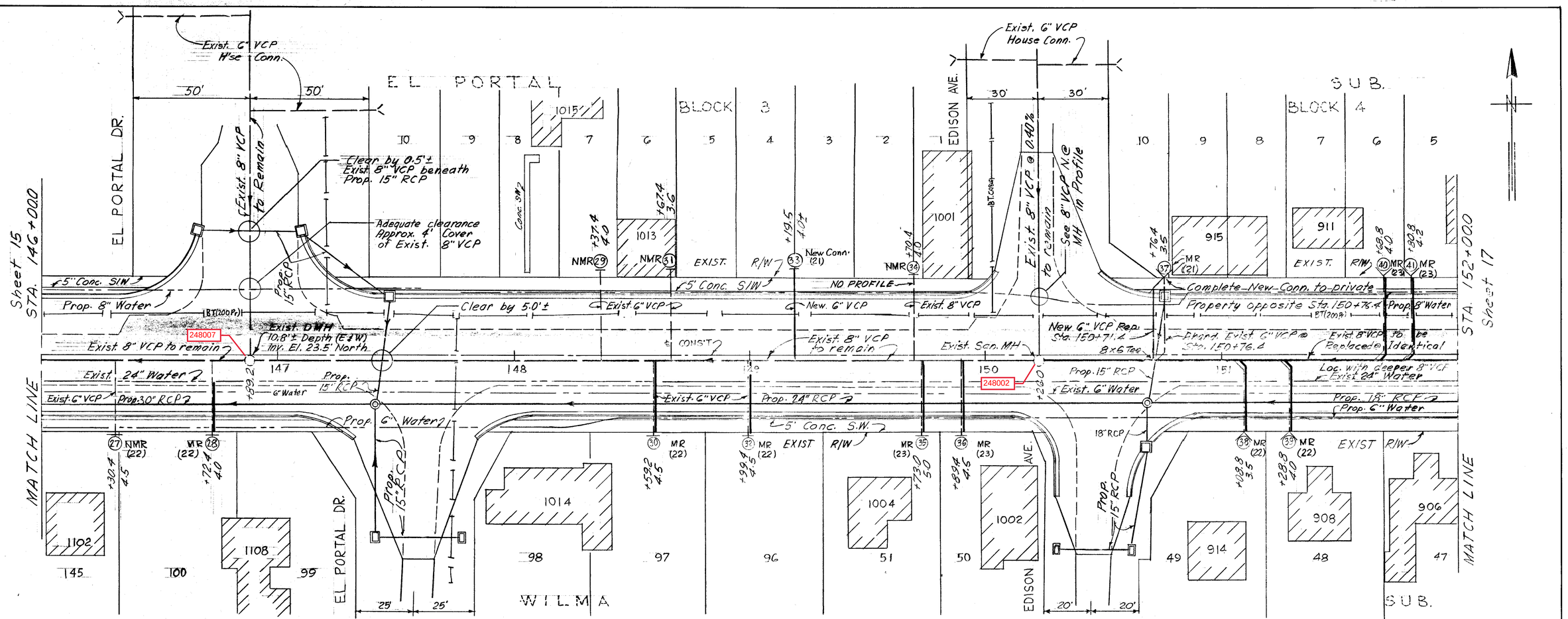
CITY OF TAMPA, FLORIDA

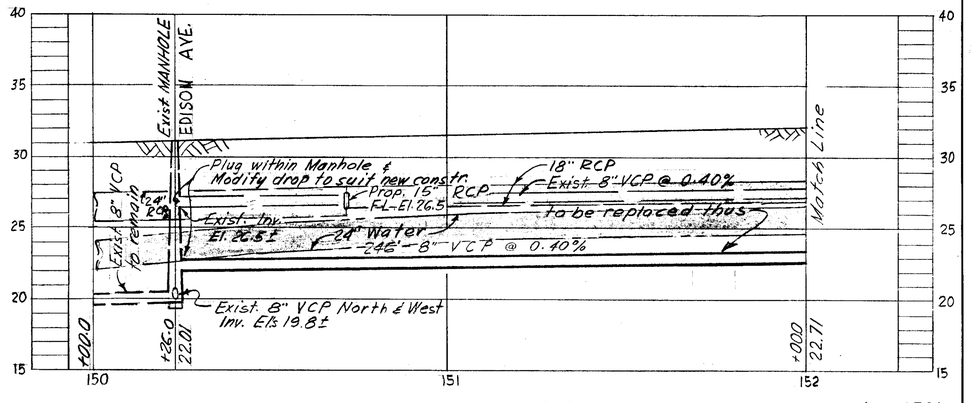
RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

WATERS AVE.: S.R. Sta. 140+00.0 to Sta. 146+00.0
(W. of Willow Ave.) (W. of El Portal Dr.)

DES: JMR DRN: JMR CKD: CMT DATE: DEC. 1967	20 0 SCALE: 20 40 1" = 20'	Drainage Subdiistrict A-7	SHEET 15 OF 25





R. & R. 58 W.O. 1781

CITY OF TAMPA, FLORIDA

RENEWAL & REPLACEMENT

SEWER IMPROVEMENTS

WATERS AVE.: S. R. Sta. 146+00.0 to Sta. 152+00.0
(W. of El Portal Dr.) (W. of N. Blvd.)

DES: JMR
DRN: JMR
CKD: CMT
DATE: DEC. 1967

SCALE: 20 0 20 40
1" = 20'

Drainage Subdistrict A-7

SHEET 16 OF 25

114-16

Exist. 6" VCP Hse Conn.

STA. 161+88
NOTE: Prop. Storm MH @ Dexter Ave. Inters. reloc, etc. Could be made by SRD if desirable.

C A S A L O M A S U B.

(Sheet 17) STA. 158+000

STA. 164+000 (Sheet 19)

MATCH LINE

MATCH LINE

OTIS ST.

DEXTER AVE.

BLK. 3 — BLK. 2 — BLK. 1

22 21 20 — 28 27 26 25 24 23 22 21 20 — 28 27 26 25 24 23 22 21

701 — 304 — 505

Baptist Church — G11 — 605 — Church Bldg. — 601

Conc. Walk — Conc. — Hog Wire — Wood Fence — Conc.

25' 25'

Exist. 12" VCP to Remain

Sta. 159+18.0 Constr. New MH Over Exist. 12" VCP

Exist. 6" VCP Hse. Conn.

Exist. 8" VCP to be Removed

Exist. 8" VCP to be Replaced

NOTE: Exist. Hse. Conn. №63 & 65 to be abandoned

Constr. New DMH Exist. Inv. El. 22.85 N Prop. Inv. El. 20.76 S. (MH. depth 5'±)

Prop. 15"ϕ RCP

Exist. R/W

5' CONC. — 5' CONC. SW.

Prop. 15" RCP — Prop. 8" Water — Prop. 30" RCP — Prop. 24" RCP — Prop. Storm M/H. — Prop. 24" RCP — Exist. 6" H.C. to be abandon. — Prop. 18" RCP — Prop. 8" Water

Exist. 8" Water (to be relocated) — 8" WATER — B.T. (100 PSI) — Exist. 8" VCP to be Removed

Exist. 8" VCP to remain — Exist. 24" Water — Exist. MH to remain — Prop. 18" RCP — Prop. 42" RCP — Prop. 36" RCP — Exist. 24" Water

Prop. 6" Water — 5' CONC. SW. — Prop. 6" Water

Constr. New — Exist. 8" VCP to be removed & replaced MH

248766 248768 248767 248716 248717 248725

NMR (22) See Note on Sheet 17

MR (22) — 59 60 61 62 63 64 65 66 67 68

+52.4 3.5 — +68.7 3.9 — +17.7 3.8 — +64.7 3.9 — +87.74 EXIST. R/W — +51.7 4.3 — +50.7 3.7

+00.7 3.9 — +26.7 3.7 — +56.7 4.0 — +10.7 4.7 — +42.7 4.5

+72.5 — +30.0 Plug — +87.7

Exist. 6'x6' Box Culvert ↓ — to remain — (Exist. 15" VCP) (B.T. (125 PSI))

20 — 40'

Exist. 6" VCP Hse. Conn.

35 30 25 20 15 10

Constr. New MANHOLE (OTIS STN.) — Constr. New MANHOLE (DEXTER AVE.)

Exist. Grade — Prop. Grade

Exist. 8" Water to be removed

Exist. 8" VCP to be removed in process of New 8" Installation @ Identical Alignment — ℄Prop. 8" Water

Exist. 8" VCP South West to be removed

Prop. 36" RCP

Exist. 8" Water to be removed

Exist. 8" VCP North — to be replaced Inv. El. 22.67

Exist. 8" VCP to be removed in process of New 8" Installation @ Identical Alignment

Exist. 24" Water

8" VCP @ 0.40% — 8" VCP @ 0.40%

Exist. 12" VCP North & South Inv. El. 17.82

S/G & Top El. 17.8

Exist. 6'x6' Conc. Storm box

8" VCP N. (40) to New M H @ 4.00% (No Profile) Inv. El. 19.16

+00.0 18.08 — +1.80 — +87.7 19.16 — +00.0 20.01

159 160 161 162 163 164

Match Line

R & R 58 — W.O. 1781

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

WATERS AVE.: S. R. Sta. 158+00.0 to Sta. 164+00.0
(W. of Otis St.) (W. of Lynn Ave.)

DES: J M R
DRN: J M R
CKD: C M T
DATE: DEC. 1967

SCALE: 20 0 20 40
1" = 20'

Drainage Subdistrict A-7

SHEET 18 OF 25

11A-18

Sta. 164+70
NOTE: Prop. Storm MH @ Lynn Ave. Inters. reloc. etc., could be made by SRD if desirable.

Exist. 6" VCP Hse. Conn.

MANOR HILL SUB.

BLK. 19

LYNN AVE.

Prop. 15" RCP

Exist. 8" VCP to remain in place

Prop. 6" Water

Exist. 6" VCP Hse Conn.

Constr. New M.H. at Sta. 0+400

2897305

WATERS

EXIST. R/W

Prop. 8" Water

5' CONC. S.W.

Prop. Storm MH

Prop. 18" RCP

Exist. 8" VCP to be relaid between MH's (See Profile below)

Exist. 6" VCP to Remain (No Profile)

Exist. 8" VCP to be Removed & Replaced

Replace Exist. MH

248734

Exist. 8" VCP to Remain

Plug @ Sewer

Exist. 24" Water

Prop. 36" RCP

Exist. 6" VCP to be abandoned

Prop. 6" Water

Constr. 36'-8" CIP @ 0.80% (No Profile)

Plug Inv. El. 20.41

5' CONC. SW.

EXIST. R/W

Absolute Min. Clear of Prop. 15" RCP over Exist. 8" VCP; Field Adjust. may be required.

MATCH LINE (Sheet 18) STA. 164+000

MATCH LINE STA. 170+000 (Sheet 20)

Exist. 6" VCP Hse Conn.

Exist. 8" VCP to remain

Prop. 15" RCP

Clear 0.2'±

4.5'± Exist. Grade Cover @ 8" VCP Assume Adequate Clear

Exist. MH to Remain Inv. El. 25.0±

Prop. 15" RCP

248728

248737

Prop. 15" RCP

37'± of 8" C.I.P. @ 7.60%

Sta. 167+48.0 Constr. City Std. 4' dia MH Inv. El. 25.30 (Channel Flow within MH)

Clear 1.0'±

Exist. 6" VCP Hse. Conn.

Exist. 8" VCP to remain

OLA AVE.

STA. 167+92.5
Conflict MH by others, F.L. 26.5 Dept. of San. Sewers to Install 12' length of 8" CIP @ exist. grade centered @ prop. Conflict MH.

BLK. 18

Conc. SW

EXIST. R/W

MR AVE.

5' CONC. SW

Prop. 8" Water

Exist. 8" Water

Exist 6" VCP Recomp. to New 8" 18'(200 Pr.)

155.2' of 8" VCPe 0.41%

PI & New MH Sta. 168+77.0

248753

Exist. 8" VCP to Remain

Exist. 8" VCP to be removed

248738

Prop. 30" RCP

Exist. 6" C.I.P. Water

3'-6" Min.

Exist. 2" Gas

Remove Exist* 6" CIP & Constr. 150' of 8" CIP @ 0.60%

Exist. 8" VCP S Inv. El. 30.04

EXIST R/W

Sta. 169+35 Constr. City Std. Shalton Type MH (4' dia.) Inv. El. 29.01

Fence

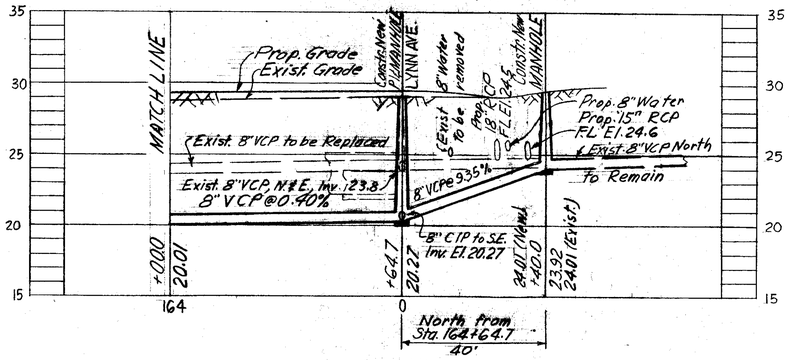
316

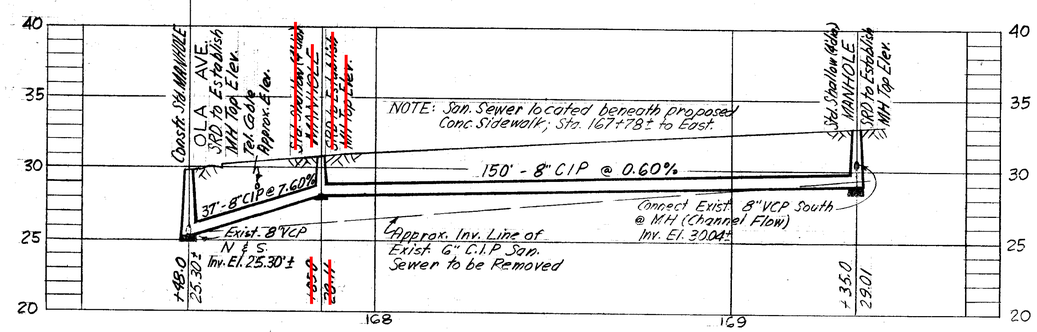
304

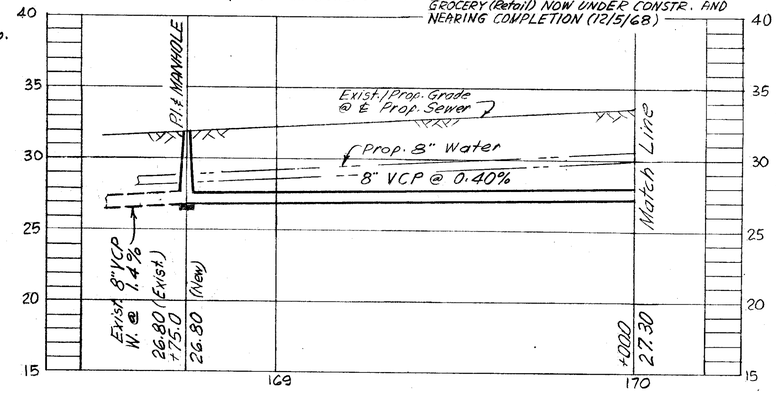
* Dept. of San. Sewers

SEWER CONSTR. ON PRIVATE PROPERTY SERVING 8320 N. PLAZA; KASH & KARRY GROCERY (Retail) NOW UNDER CONSTR. AND NEARING COMPLETION (12/5/68)

MATCH LINE STA. 170+000 (Sheet 20)







R & R 58 W.O. 1781

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

WATERS AVE.: S.R. Sta. 164+00.0 to Sta. 170+00.0
(W. of Lynn Ave.) (W. of Highland Ave.)

DES: J.M.R.
DRN: J.M.R.
CKD: C.M.T.
DATE: DEC., 1967

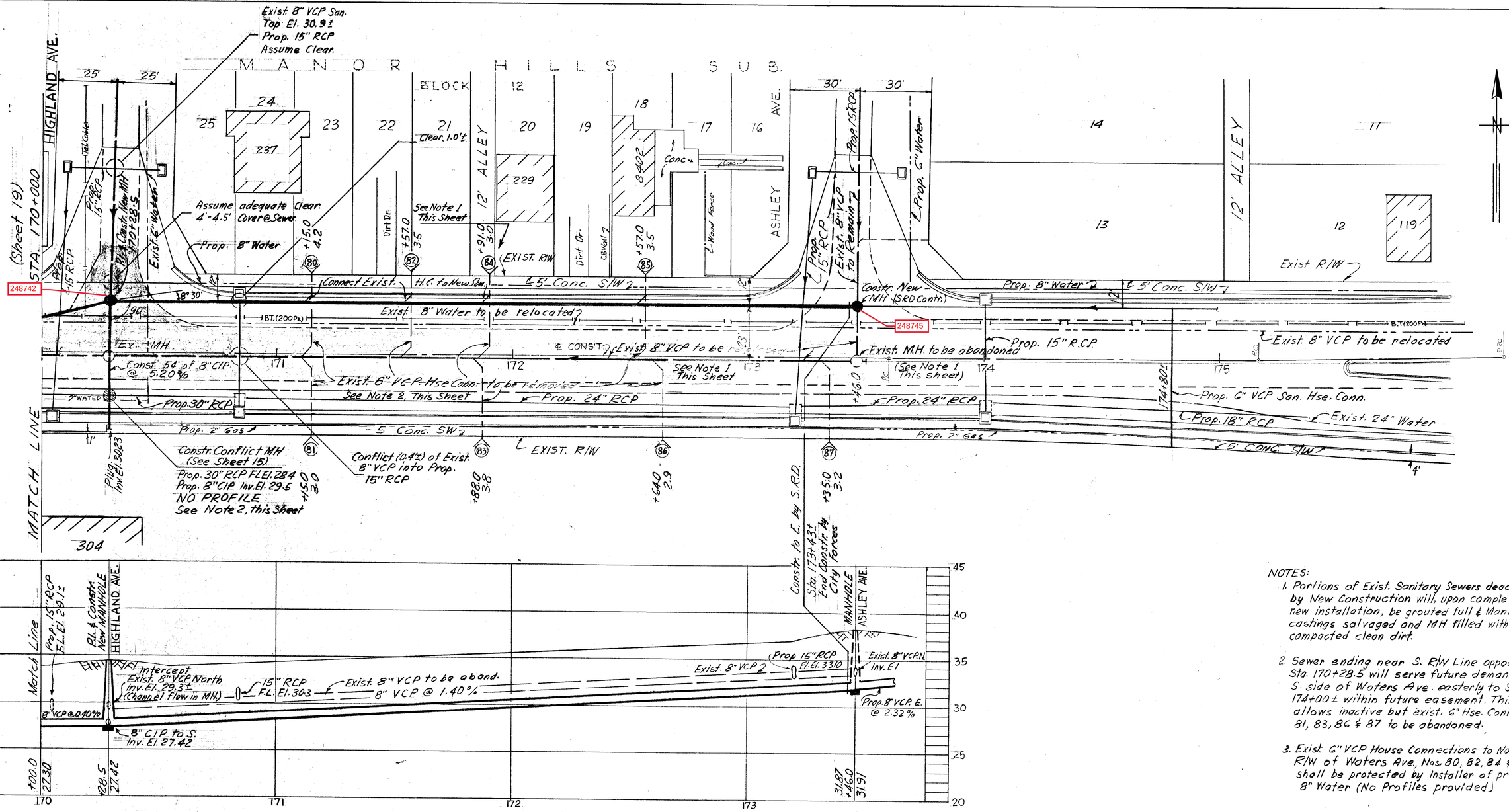
SCALE: 20 0 20 40
1" = 20'

Drainage Subdistrict A-7

SHEET 19 OF 25

Revision: Added Sewer on S. Side of Waters Ave. East from Olt Ave. 12/6/68

11A-19



NOTES:

1. Portions of Exist. Sanitary Sewers deactivated by New Construction will, upon completion of new installation, be grouted full & Manhole castings salvaged and MH filled with compacted clean dirt.

2. Sewer ending near S. R/W Line opposite Sta. 170+28.5 will serve future demand on S. side of Waters Ave. easterly to Sta. 174+00± within future easement. This allows inactive but exist. 6" Hse. Conn. Nos 81, 83, 86 & 87 to be abandoned.

3. Exist 6" VCP House Connections to North R/W of Waters Ave., Nos. 80, 82, 84 & 85 shall be protected by Installer of prop. 8" Water (No Profiles provided)

R & R 58 W.O. 1781

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

WATERS AVE.: S. R. Sta. 170+00.0 to Sta. 173+46.0
(W. of Highland Ave.) (Ashley St.)

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
C-12	27

DES: J M R
DRN: J M R
CKD: C M T
DATE: DEC. 1967

SCALE: 20 0 20 40
1" = 20'

Drainage Subdistrict A-7

SHEET 20 OF 25

114-20

Exist. MH @ Inters. Surface — Top El. 49.836

269069

Begin Constr., Sta. 0+00.0

Use Conn. for SHELL OIL STATION Located @ the S.E. Corn. of Fla. Ave. & WATERS — W.O. 2085

Exist. 24" Water

Curb & Gutter

Std. 4' Dia. MH, Sta. 0+40.6

Plug W. 2 at 6"x4" VCP W/C 0+88.6 — 2.5'

4" VCP

S. R/W of Waters Ave.

FLORIDA AVE.

SHELL OIL STA.

Constr. by Others

2'

N.E. Corn. of Shell Prop. "X" in S/W

269070

Scale: 1" = 10'

43.1'

52 50 48 46 44 42

℄ S/W

M.H.

1" W.C.P. S.W. to Service Sta. Conn. @ R/W

SPE-169

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
C-12	Misc

0+88.6 47.28 (PI of 6"x4")

6" VCP @ 2.60%

46.03 (6") @ 0+40.6

45.91 (8")

8" VCP @ 2.20% Backwards Rev.

8" VCP N.E. Inv. El. 43.66

New 8" Inv. 44.20 @ 0+00.0

Exist. 24" Water @ 0+28.2 Top El. 44.21

10-24-68 C.M.J.

THIS LINE SERVES COIN LAUNDRY @ 4520 GANDY BLVD

4515 4513 4511 4509 4507

ON SEWER

+10 2.5 I.P. Y

+00 3.0 Y

+08 3.0

3+24 2.5 I.P.

+28.0 6" W.C.

135' C.M.C.

APARTMENT

+85 2.5

14" C.M.C. Storm Sewer (By others)

NORTH

14" F.M.

MH +60.4

1 2 3

TRASK

MCELROY I.P.

AVE.

8" WATER

S. SIDE BLDGS. ON EASEMENT SEWER.

4 MAR 69 SEWER CONNECTIONS CAN NOW BE MADE CNIS 1-181

PROFILE

SURVEYED
DRAWN
GRADES CHECKED
B. Mc. NOTED
STRUCTURE NOTATIONS CH'KD.

DATE BY NO.

25 20 15 10 5

EXIST. MANHOLE

Top 8" Water 11.76 (To be adjusted)

360 LF 8" V.C.P. @ 0.32%

Inv. 12.31 (E)

MANHOLE

Inv. 12.72

14" C.I.P. FORCE MAIN 14' NORTH

10.79

Agreement Sew. Rx

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
M8	25

0 1 2 3 4

MONDAY'S MAID AGREEMENT SEWER.

WORK ORDER 2110

ST. LOUIS Gran. Curb ST.

M.H. +08.6 8" Std. Sa. Gran. Curb S.S.T. Pvt. M.H. +53.6 2" Water

AVE. Ex. D.M.H. S.S.T. Pvt. D.M.H.

I.P. +59.6 Frame Office Bldg. S. Shell Drive

I.P. 6' 14' 3' I.P. Frame Res. Cement Foundation Ex. 8" San. Sewer

24 23 22 21 20 19

+23.0

Alley Closed

M.H. +62.4 Fr. Gar.

6" H.C. from M.H. to R.

1 2 3 4 5 6

ROME

BOUTON & SKINNER SUB. BLOCK 8

ST. JOSEPH ST.

NOTE

This Sewer Relocation has been paid for by F.M. Folsom, Inc.

AS-BUILT PLAN

This plan shows actual conditions as of Sept. 1, 1954 A.D.C.

PLAN W-26

25 20 15 10

MANHOLE MANHOLE MANHOLE

Ex. 8" to Ex. D.M.H. to the East

8" @ 3.0' Per 1000

8" @ 9.4' Per 1000

8" @ 3.1' Per 1000'

Ex. 8" San. to the West.

14.39 14.72 +08.6 14.75 16.12 +53.6 16.15 +62.4 17.14

0+00 1 2 3

PROFILE

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
H-11	74

CITY OF TAMPA, FLORIDA

SEWER RELOCATION IN AREA #11

W-26

SUBMITTED:

APPROVED:

DES. E.S. DR. A.C. CK'D V.A. DATE 7-1-54

SCALE 0 50 1"=50'

SHEET 1 OF 1

See File 51-11

DEPT. OF PUBLIC WORKS BUREAU OF SANITARY SEWERS

KENNEDY BLVD

ROSEDALE SUB.

1 2 3 4 5 6 7 8 9 10 11

C.B. Res. C.B. Res. 6" C.I.P. Fire Conn. Drainage Swale Drainage Swale

AVE. ALLEY

Existing MH Sta. 0+00.0E = Sta. 6+20.0E (File 70-22)

8" V.C.P. San. 24" Bay 30" Oak 12" Oak Chain Link Fence

31 +65.0 12

Block 1 30 13 GRADY

ROSEDALE 29 SUB. 14

HALE AVE.

15 0 5

Existing MANHOLE MANHOLE

8" V.C.P. BOTT.

6" C.I.P. Fire Conn. Inv. Elev. 8.65

EXIST. 8" V.C.P. W. Inv. Elev. 8.25

+00.0 8.25 +65.0 8.51

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
I-9	66

0

PROFILE

NOT BUILT

W.O. 2085

Service (6") Constr. by City of Tampa Forces, Paid for by M.E. Wesley to serve Prop. Hdqs.

WALL ST. Conc. S/W 6" Water

NORTH

Ex. Res.

50' R.P. Paving 100' I.P.

6700 BLK.

6"±

NOTE: Constr. 185' of 6" Temp. Sewer providing 3-Connections only. Max. depth 3.5' Clear. Ex. Water line vertically.

LANCASTER

Exist. 8" V.C.P.

Ex. MH - Depth 12'±

Break into side of MH; Plug where perm. sew. extended.

Exist. 8" V.C.P.

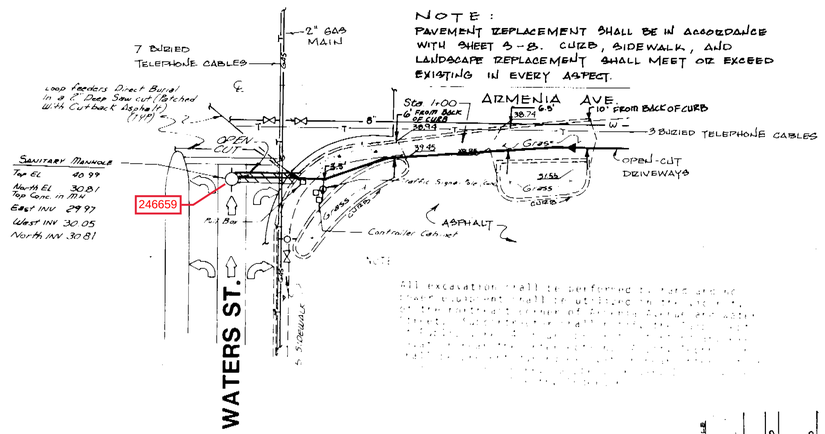
SEWER LINE LOCATION

SEC. MAP No.	LINE No.
N-8	25

SPE-170

TEMP. SEWER CONNS. PORT TAMPA AREA Jan. 1969

118-13



NOTE:
PAVEMENT REPLACEMENT SHALL BE IN ACCORDANCE WITH SHEET 5-B. CURB, SIDEWALK, AND LANDSCAPE REPLACEMENT SHALL MEET OR EXCEED EXISTING IN EVERY ASPECT.

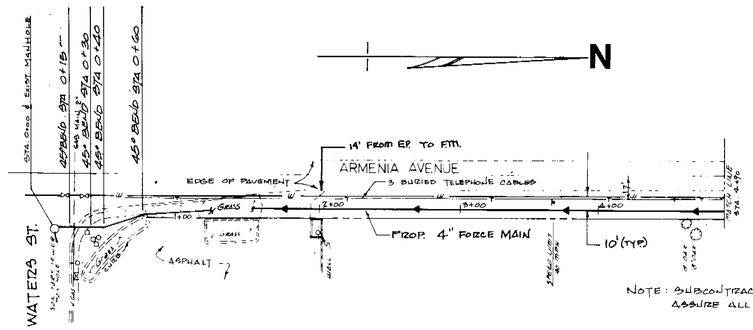
All excavation shall be performed to avoid any [illegible] shall be utilized in the [illegible] Trench Excavation & Safety Act [illegible] Occupational Safety & Health Administration [illegible]

INTERSECTION DETAIL

SCALE: 1" = 30'

NOTE: FORCE MAIN SUBCONTRACTOR SHALL PROVIDE ACCURATE "AS-BUILT" DATA TO THE ENGINEER.

SEE DETAIL OF INTERSECTION



NOTE: SUBCONTRACTOR SHALL VERIFY R.O.W. AND ASSURE ALL CONSTRUCTION IS W/IN CITY R.O.W.

SPECIFICATIONS FOR TAPE TO BE USED IN MARKING SANITARY SEWER FORCE MAINS

Description:	2" GREEN stick-on vinyl tape (other polymer materials are acceptable)
Minimum Tensile Strength:	22 lbs. per inch
Minimum Adhesive Factor:	40 ounces per inch
Minimum Thickness:	6 mils

The tape will be applied in a continuous spiral with the bands 12 to 18 inches apart. At the end of each joint, it must be wrapped back on itself.

All force mains constructed within the public right-of-way and connected to the City of Tampa's sanitary sewer system must be marked. City inspectors will not approve the installation of non-wrapped force mains.

Tape meeting City specifications is available from Seton Tape of Florida, Catalog #ST-3040. However, any tape meeting the above specifications will be acceptable.

NOTE TO SUBCONTRACTOR

1. The Subcontractor shall contact the City of Tampa Dept. of Sanitary Sewers (813/223-8028) and the Traffic Dept. (223-8058) prior to construction to assure that all applicable permits have been issued, and notify of intent to commence construction.

   Open-cut of Waters Avenue shall be done under the direction of the City and shall be done in such a manner as to keep traffic flowing reasonably.

2. All force main tees, bends, valves, etc., shall be provided with thrust blocks. For thrust block construction details, refer to "Standard Sewer Details" as shown on Sheet S-8.

3. Location of all existing utilities shown within the street R/W's are approximate and subject to field verification. The Subcontractor shall be responsible for notifying the proper authorities prior to beginning any excavation.

   Not all of the utilities are shown. Those shown are for the convenience of the Contractor and is based on the best available information. The Engineer assumes no responsibility for the accuracy of the existing utility location information.

4. Contact "Sandy" Cable or transmission line locator service at 1-[illegible]-282-4811 48 hours minimum - 5 days maximum before construction begins.

5. All areas of construction will be restored to an equal or better condition than existing prior to construction. Grass and mulch all disturbed restored areas.

6. Project shall not be considered at request of deflection of force main greater than 15° [illegible]

   Force main to be filled with [illegible] and tested [illegible]

Leakage Tests of Force Mains

Force mains shall be tested as a whole or in sections valved or bulk-headed at the ends. The mains shall be tested under an average hydrostatic pressure of not less than 100 pounds per square inch unless otherwise indicated in the Specific Provisions. The pressure shall be applied to the pipeline through a tap in the pipe by means of a hand pump or other method and shall be maintained for a minimum of 4 hours. Air shall not be used for testing force mains.

The leakage for all force mains, as determined by the above test, shall not exceed the allowable leakage for cast-iron water mains as given by the following formula in Section 13.7 of AWWA Specification C 600:

$$L = \frac{SD\sqrt{P}}{7500}$$

in which L is the allowable leakage, in gallons per hour; N is the number of joints in the length of force main tested; D is the nominal diameter of the pipe in inches; and P is the average test pressure, in psi gauge.

During the test each valve shall be operated through several complete cycles of closing and opening. In addition, each valve, when in the closed position, shall have the test pressure applied to one end of the valve only. Each end of the valve shall be tested in this manner. There shall be no visible leakage through the valves, and the valves shall not show any evidence of structural distress.

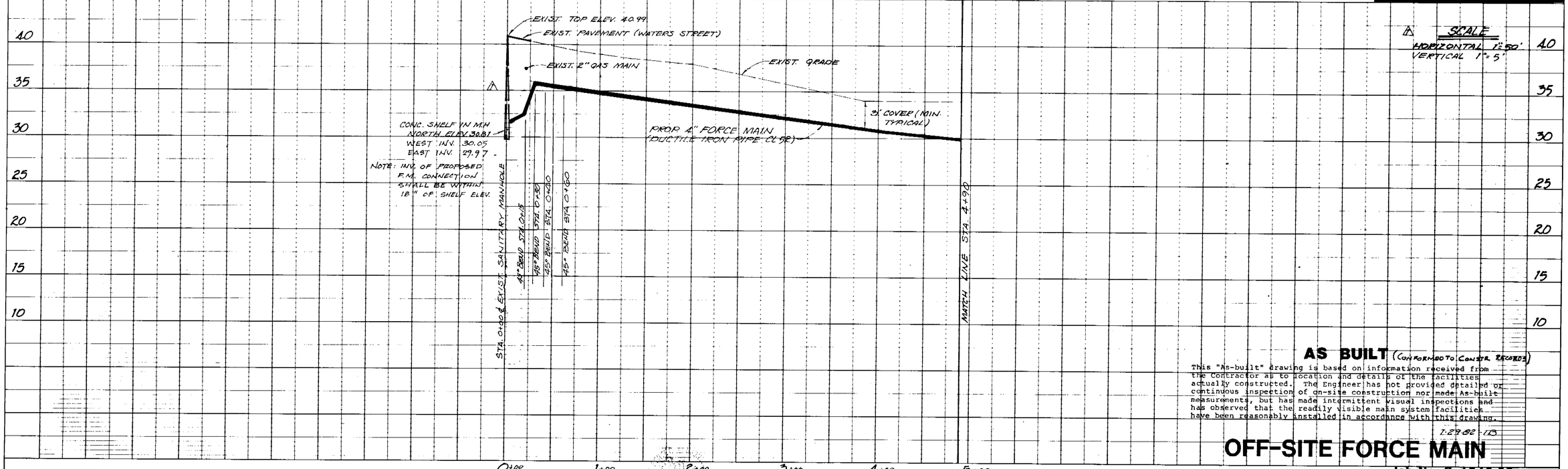
All buried sections of the force main shall be completely backfilled before such sections are tested.

Repairing Leaks

When infiltration or leakage occurs in excess of the specified amount, infiltration exfiltration, test, pipe joints or other appurtenances shall be located and repaired at the expense of the Contractor. If the defective materials, joints or workmanship, the Contractor, at his own expense, shall remove and reconstruct or repair the original work as necessary to obtain a sewer or force main within the allowable infiltration or exfiltration limits upon retesting.

⚠ REVISED FORCE MAIN CONNECTION TO EXIST. MANHOLE & SCALE — I.B. 10-30-81 — R.I.K.

ACTIVITY	NAME	DATE
DESIGNED BY:	G.N.B.	8-81
DRAWN BY:	I.B.	8-81
CHECKED BY:	J.D.C.	8-81
APPROVED BY:	PAUL E. PORTER	8-81
REGISTRATION NO:	14556	



⚠ SCALE
HORIZONTAL 1"=50'
VERTICAL 1"=5'

PLATE 1 PLAN-PROFILE [illegible] STANDARD

AS BUILT (Conformed To Constr. Records)

This "As-built" drawing is based on information received from the Contractor as to location and details of the facilities actually constructed. The Engineer has not provided detailed or continuous inspection of on-site construction nor made As-built measurements, but has made intermittent visual inspections and has observed that the readily visible main system facilities have been reasonably installed in accordance with this drawing.

1-27-82 - I.B.

OFF-SITE FORCE MAIN

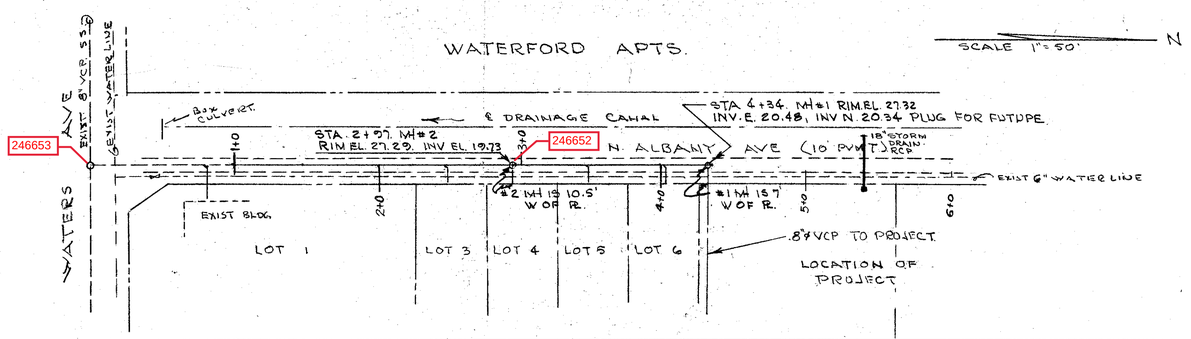
Job No. C-1540.00

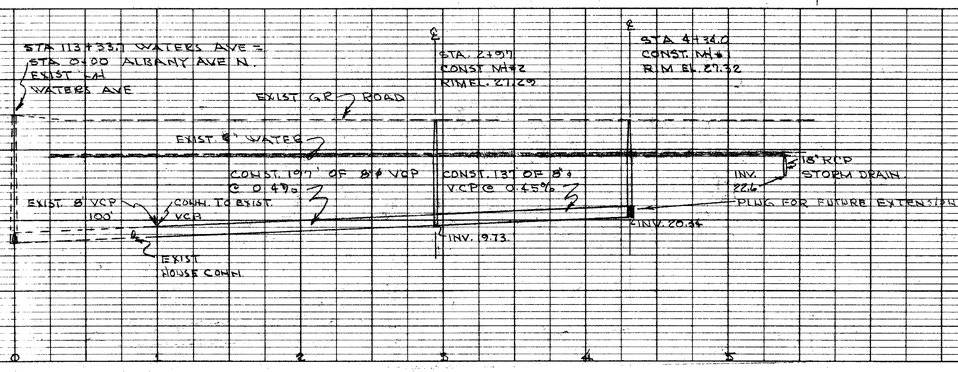
CONKLIN, PORTER & HOLMES — ENGINEERS INC. SHEET NO. 8 OF 10

C-11 162-36

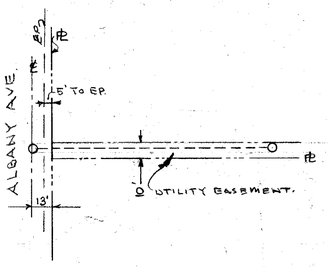
WATERFORD APTS.

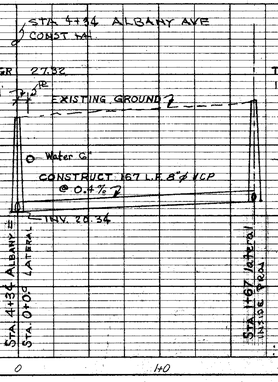
SCALE 1"=50' N





NOTE:
1. Utility locations are approximate. Notify proper authorities prior to beginning construction.
2. House locations are representative only. LOT 5 has only house along new line.
3. Repair pavement with atchaltic conc, Road shall be repaired to original state.
4. All elevations are based on NGS datum unless otherwise noted.
5. BASE MATERIAL SHALL BE LIME ROCK, 6 INCHES MINIMUM.
6. CONST 8"x6" Y & LATERALS TO LOTS 4,5 &6 OF GRANVILLE MANOR, AND ADDITIONAL AS SHOWN
7. BEDDING MATERIAL SHALL BE CLASS D





LOTS 7 AND 8, GRANVILLE MANOR AND THE NORTH 27.1 FEET OF THE SOUTH 82.1 FEET OF THE EAST 165.4 FEET OF LOT 4 OF GOLDSTEINS ADDITION TO NORTH TAMPA.

As Built
15 [illegible]

REV - 12-1-81.

ELEVATION OF SEWER

C-11
SA# 4382
8415/19 Albany

PLATE 2 PLAN-PROFILE O. P. R. & R. E. STANDARD
100% RAG XEROPROOF VELLUM—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

SHEET 8

166-2

PLAN
PROFILE
SURVEYED
PLOTTED
DRAWN
TRACED
CHECKED
ASSISTANT CHECKED
R/W CHECKED
STRUCTURE NOTATNS CH'KD
NOTE BOOK
NO.
BY
DATE

269306

WATERS AVENUE

CENTRAL AVENUE

NEBRASKA AVENUE

26.05

25.37

29.43

M.H. INV. 24.49

INV. 24.85

29.25

21.23

N

6"

29.02

CONTROL JOINTS 10'-0 C/C MAX. NO JOINTS AT CORNERS. OR IN CURVED SECTIONS. FORMS FOR CURBS SHALL BE APPROVED BEFORE CONCRETE IS POURED.

TYPICAL CURB DETAIL
SCALE: 1"=1'-0"

LEGAL DESCRIPTION

Beginning at the intersection of the West R/W Line of Nebraska Avenue (33 feet from ℄) With the North R/W Line of Bird Street (50 feet from ℄), run thence S 89°-36'-45" W. (Local Grid Bearing), along the North R/W Line of Bird Street, for 1241.85 feet; thence N 31°-11'-00" W., along Intersection R/W Line, for 29.11 feet; thence N. 0°-09'-30" W., along the East R/W Line of Central Avenue, for 771.64 feet; thence N. 36°-02'-25" E., along Intersection R/W Line, for 112.91 feet; thence S. 88°-55'-13" E., along the S R/W Line of Waters Avenue, for 951.77 feet; thence S. 82°-12'-38" E., along Said South R/W Line, for 68.47 feet; thence S. 88°-55'-13" E., along Said South R/W Line, for 165.11 feet; thence S. 51°-25'-3" E., along Section R/W Line, for 8.72 feet; thence S. 0°-05'-00" E., along the West R/W Line of Nebraska Avenue, for 843.68 feet to the Point of Beginning, being part of Government Lot 1, Section 25, Township 28 South, Range 18 East, Hillsborough County, Florida

M.H.

DRAINAGE AREA BOUNDARY

EXISTING 8" V.C. SANITARY SEWER LINE

NEW 6" CURB

REMOVE PAVING

EXISTING FENCE

EXISTING CONC. ISLANDS

NEW 6" CURB OUTSIDE RADIUS 6'-6±

M.H. INV. 26.10

EXISTING STORM WATER INLET GRATE EL. 27.06 INV. 24.89

NEW PAVING

REMOVE EXIST. CONC. CURB

NEW 6" CURB

CONC. BOX W/ M.H. COVER

EXISTING GRANDSTAND
FIN. FL. 34.32'
CITY OF TAMPA DATUM

EXISTING CLUBHOUSE
FIN. FLR. 30.80
CITY OF TAMPA DATUM

NEW CLUBHOUSE ADDITION F.F. 31.16

NEW SHOP BLDG. FIN. FL. 28.8

NEW SIDEWALK

TRACK

EXIST. 4" WATER LINE

3" G.I. WATER LINE

6" CAST IRON STORM DRAIN

EX. INLET INV. 27.0

INV. 26.39

C.O.

CURB

INV. 25.7

EXIST. STORM DRAIN INLET INV. 23.4

TOP OF INLET ELEV. 29.2

TO CLUBHOUSE

CURB

27.79

27.72

28.05

26.32

27.80

REMOVE EXISTING 17x24 C.M.P. FILL TRENCH & COMPACT

EXIST. 24" C.M.P. TO REMAIN

EXIST. BOX (NO INLET) INV. 23.51

27.58

NEW BRICK FENCE

PATCH TWO EXISTING SIDEWALKS

23.09

MATCH LINE
DWG. A-3

19.36

MATCH LINE
DWG. A-3

LEGEND
EXIST. ELEV.
NEW ELEV.

SEWER LINE LOCATION

SEC. MAP No.	LINE No.
D-12.	

PARTIAL SITE PLAN
SCALE: 1" = 40'

NOTE:
SEE PLUMBING SITE PLAN, DWG. M-1.
SEE FIRE PROTECTION SYSTEM PLOT PLAN DWG. M-4.
SEE ELECTRICAL SITE PLAN, DWG. E-1

DRAWN L.S.
CHECKED W.F.
PRINTED JAN 5 1977

NO	DATE	DESCRIPTION REVISIONS	BY	APP
1	10/27/76	400 M.H. SHOP BLDG	L.S.	F.W.

NO	DATE	DESCRIPTION REVISIONS	BY	APP

DATE COMPLETED 11/1/76

CONSULTING ARCHITECT
FRANK W. WHITE, AIA

POOLE & COMPANY
ENGINEERS - PLANNERS
5600 MARINER SUITE 226
TAMPA, FLORIDA 33609
TELEPHONE 813 / 879 - 5358

SITE PLAN

SCALE AS NOTED

TAMPA GREYHOUND TRACK
CLUBHOUSE ADDITIONS
ASSOCIATED OUTDOOR CLUBS, INC.

DRAWING A-2
SHEET 63

512-12a

CUSTOMER SERVICE SP 3381