



- 1. NO CONNECTIONS TO THE EXISTING LINES SHALL BE MADE UNTIL THE PRESSURE AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED ON THE PROPOSED WATER MAINS AND THE SYSTEM HAS BEEN APPROVED BY THE CITY OF HOLLYWOOD AND THE BROWARD COUNTY HEALTH DEPARTMENT.
- 2. THE PRESSURE TEST SHALL BE PERFORMED FOR 2 HOURS AT A CONSTANT PRESSURE OF 150 PSI AND IN ACCORDANCE WITH RULE 62-555.330 (FAC) C600 AWWA LATEST REVISION, EXCEPT AS OTHERWISE SPECIFIED HEREIN AND IN SPECIFICATION SECTION 15995, "PIPELINE TESTING AND DISINFECTION". PRESSURE TEST SHALL BE WITNESSED BY THE CITY OF HOLLYWOOD. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

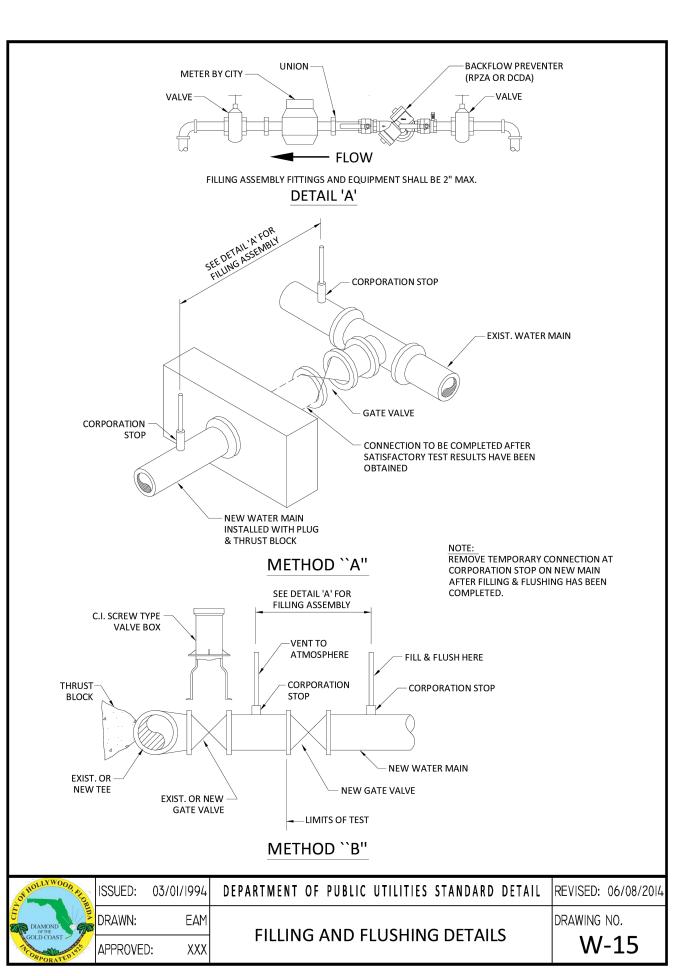
## $L = S \times D \times \sqrt{P}$

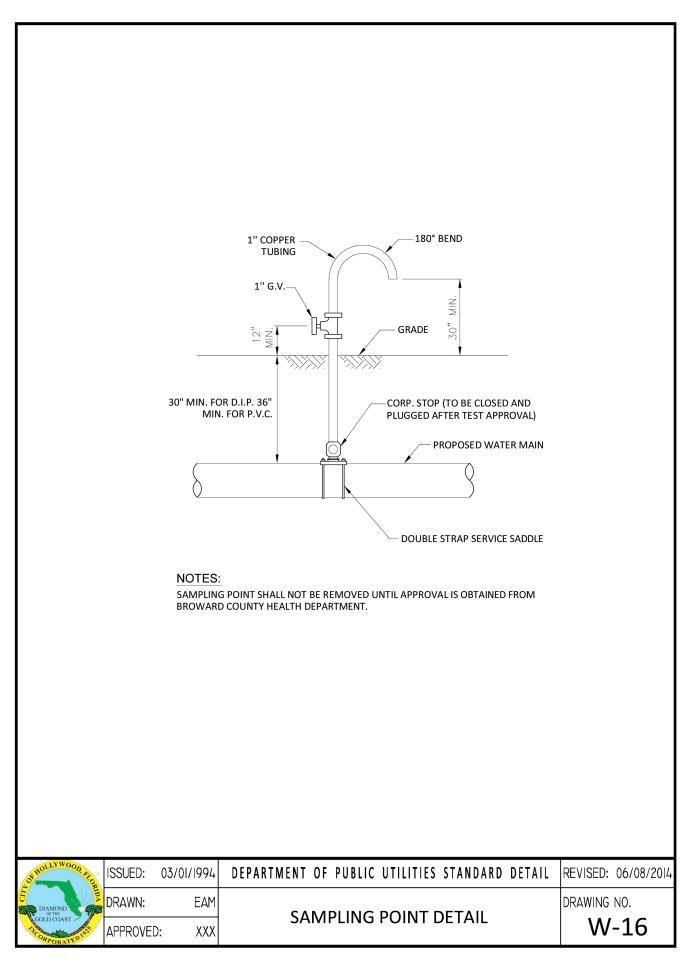
L = THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR. S = THE LENGTH OF PIPE BEING TESTED.

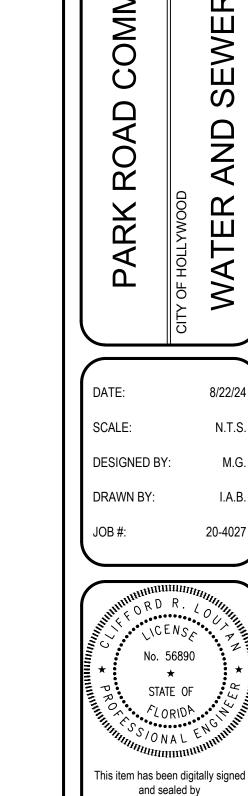
NOT TO EXCEED 2,000 FEET PER TEST.

- D = THE NOMINAL DIAMETER OF THE PIPE BEING TESTED. P = THE AVERAGE TEST PRESSURE IN POUNDS PER SQUARE INCH.
- 3. THE COMPLETE LENGTH OF THE PROPOSED WATER MAIN SHALL BE TESTED, IN LENGTHS
- 4. PROPOSED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/AWWA STANDARD C651 AND BACTERIOLOGICAL TESTED FOR TWO CONSECUTIVE DAYS IN ACCORDANCE WITH SPECIFICATION SECTION 15995, "PIPELINE TESTING AND DISINFECTION".
- 5. BACTERIOLOGICAL TESTS SHALL BE REQUESTED AND PAID FOR BY THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL DIRECTLY HIRE A TESTING LABORATORY CERTIFIED BY THE FLORIDA DEPARTMENT OF HEALTH IN ORDER TO COLLECT AND TEST WATER SAMPLES FROM THE WATER DISTRIBUTION SYSTEM TO BE PLACED INTO SERVICE. SAMPLE COLLECTION AND BACTERIOLOGICAL ANALYSES SHALL BE PERFORMED IN ACCORDANCE WITH RULES 62-555.315(6), 62-555.340 AND 62-555.330 (FAC), AS WELL AS ALL REQUIREMENTS OF THE BROWARD COUNTY HEALTH DEPARTMENT PERMIT.
- 7. THE WATER DISTRIBUTION SYSTEM SHALL NOT BE CONSIDERED COMPLETE AND READY FOR FINAL INSPECTION UNTIL SUCCESSFUL TEST RESULTS ARE OBTAINED FOR ALL TESTS DESCRIBED ABOVE.

OF HOLLY WOOD, FEE	ISSUED:	03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DIAMOND OF THE GOLD COAST	DRAWN:	EAM	WATER MAIN TESTING AND	DRAWING NO.
	APPROVED	): XXX	DISINFECTION NOTES	W-14







20-4027

FILE: K: \PROJECTS\20-xxx\20-4027\dwg\4027wsdt-comm.dwg PLOT DATE: 9/25/2024 10:33 AM BY: Andy Venneman LAYOUT: [WS8]

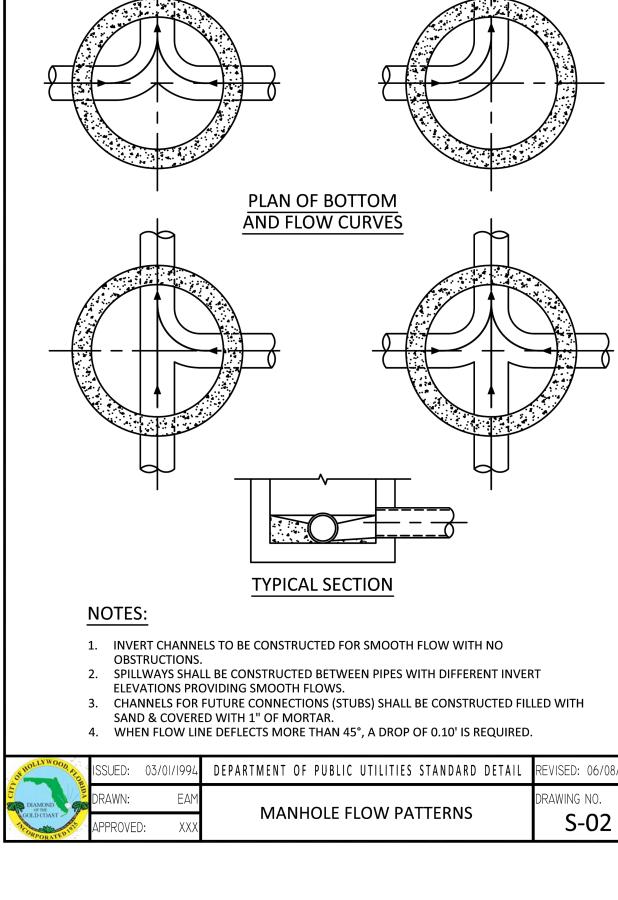
CLIFFORD R. LOUTAN, P.E. on September 25, 2024.

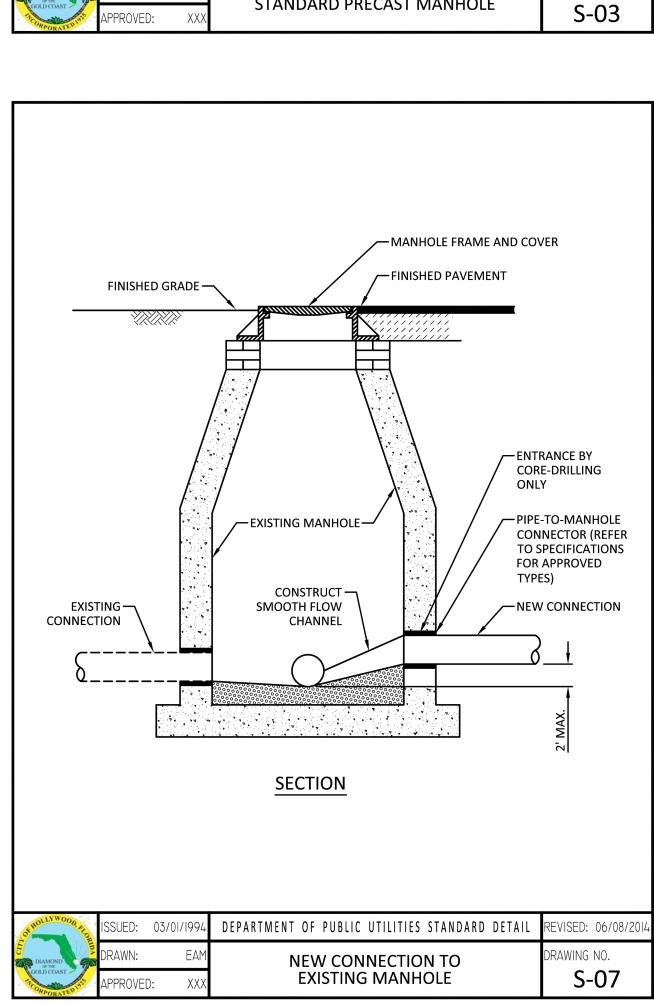
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Date: September 25, 2024





GRAVITY SEWER PIPE (TYP.)

(PRECAST CONC.)

FORM SMOOTH-

CHANNEL IN GROUT)

PIPE-TO-MANHOLE CONNECTOR -

(REFER TO SPECIFICATIONS FOR

FINISHED GRADE —

**BRICK AND MORTAR BY** 

MIN., 5 COURSES MAX.)

INSIDE AND OUTSIDE

RAM-NEK SEAL OR —

APPROVED EQUAL

OF 3' ABOVE SLAB BASE.

4' DIAMETER

6'-4" DIAMETER

BUOYANCY, SHALL BE SUBMITTED TO THE CITY PRIOR TO INSTALLATION.

1. SHOP DRAWINGS SHOWING ALL DIMENSIONS, INCLUDING CONCRETE REINFORCEMENT AND

2. THE BOTTOM SLAB SHALL BE CAST MONOLITHICALLY WITH THE LOWER WALL SECTION TO A MINIMUM

NO CONSTRUCTION JOINTS ARE ALLOWED BELOW ELEVATION +2.00 NAVD. ABOVE ELEVATION +2.00

ARE PROVIDED. SUBMIT SHOP DRAWINGS OF JOINT DETAILS TO THE ENGINEER FOR APPROVAL.

NAVD CONSTRUCTION JOINTS ARE ALLOWED, IF ADEQUATE JOINTS WITH KEY-WAYS AND WATER STOPS

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAI

STANDARD PRECAST MANHOLE

CONTRACTOR (3 COURSES

STUCCOED W/ ¾" MORTAR

BRICK/RUBBLE — W/GROUT

NOTES:

APPROVED TYPES)

MANHOLE BASE —

- PROVIDE SMOOTH CHANNEL BETWEEN

WHERE DIFFERENCE EXCEEDS 2', USE

-MANHOLE FRAME AND COVER SHALL BE

APPROVED EQUAL) WITH THE WORDS

"SANITARY SEWER" CAST INTO THE COVER

– #4 @ 12" O.C. E.W.

TWO COATS OF SEWPERCOAT®

MORTAR (OR APPROVED EQUAL)

SHALL BE APPLIED TO THE INSIDE,

AND ONE COAT TO THE OUTSIDE OF ALL NEW MANHOLE SECTIONS

MANUFACTURE'S SPECIFICATIONS

IN ACCORDANCE WITH THE

PIPE-TO-MANHOLE CONNECTOR

(REFER TO SPECIFICATIONS FOR

AWING NO.

APPROVED TYPES)

U.S. FOUNDRY TYPE 485-C-ORS (OR

— FLUSH WITH FINISHED PAVEMENT

MINIMUM CONCRETE

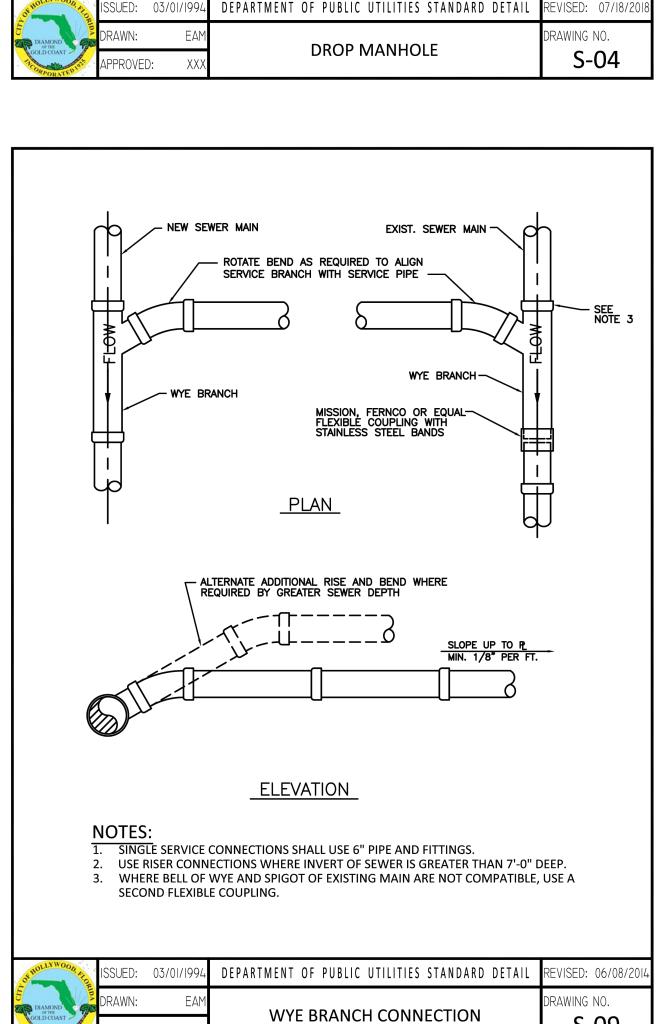
STRENGTH = 4,000 PSI

PIPES W/DIFFERENT INVERT ELEV.

DROP MANHOLE.

- MAXIMUM RADIUS

(WHERE APPLICABLE)



GRAVITY SEWER PIPE (TYP.)

MANHOLE WALL -

(PRECAST CONC.)

FORM SMOOTH

CHANNEL IN GROUT)

PIPE-TO-MANHOLE CONNECTOR -

(REFER TO SPECIFICATIONS FOR

FINISHED GRADE —

BRICK AND MORTAR BY —

CONTRACTOR (3 COURSES

MIN., 5 COURSES MAX.)

INSIDE AND OUTSIDE

NOTES: W/GROUT

OF 3' ABOVE SLAB BASE.

RAM-NEK SEAL OR —

APPROVED EQUAL

STUCCOED W/ ¾" MORTAR

APPROVED TYPES)

BRICK DAM—

TO PIPE

MIN. 18" STONE BASE MATERIAL

2. THE BOTTOM SLAB SHALL BE CAST MONOLITHICALLY WITH THE LOWER WALL SECTION TO A MINIMUM

NO CONSTRUCTION JOINTS ARE ALLOWED BELOW ELEVATION +2.00 NAVD. ABOVE ELEVATION +2.00

ARE PROVIDED. SUBMIT SHOP DRAWINGS OF JOINT DETAILS TO THE ENGINEER FOR APPROVAL.

NAVD CONSTRUCTION JOINTS ARE ALLOWED, IF ADEQUATE JOINTS WITH KEY-WAYS AND WATER STOPS

SECTION

BUOYANCY, SHALL BE SUBMITTED TO THE CITY PRIOR TO INSTALLATION.

1. SHOP DRAWINGS SHOWING ALL DIMENSIONS, INCLUDING CONCRETE REINFORCEMENT AND

SPRINGLINE

MANHOLE BASE -

GROUTED IN PLACE

-MAXIMUM RADIUS

(WHERE APPLICABLE)

-MANHOLE FRAME AND COVER SHALL BE

APPROVED EQUAL) WITH THE WORDS

"SANITARY SEWER" CAST INTO THE COVER

TWO COATS OF SEWPERCOAT®

MORTAR (OR APPROVED EQUAL)

SHALL BE APPLIED TO THE INSIDE

AND OUTSIDE OF ALL NEW MANHOLE

SECTIONS IN ACCORDANCE WITH THE

S-09

MANUFACTURE'S SPECIFICATIONS

U.S. FOUNDRY TYPE 485-C-ORS (OR

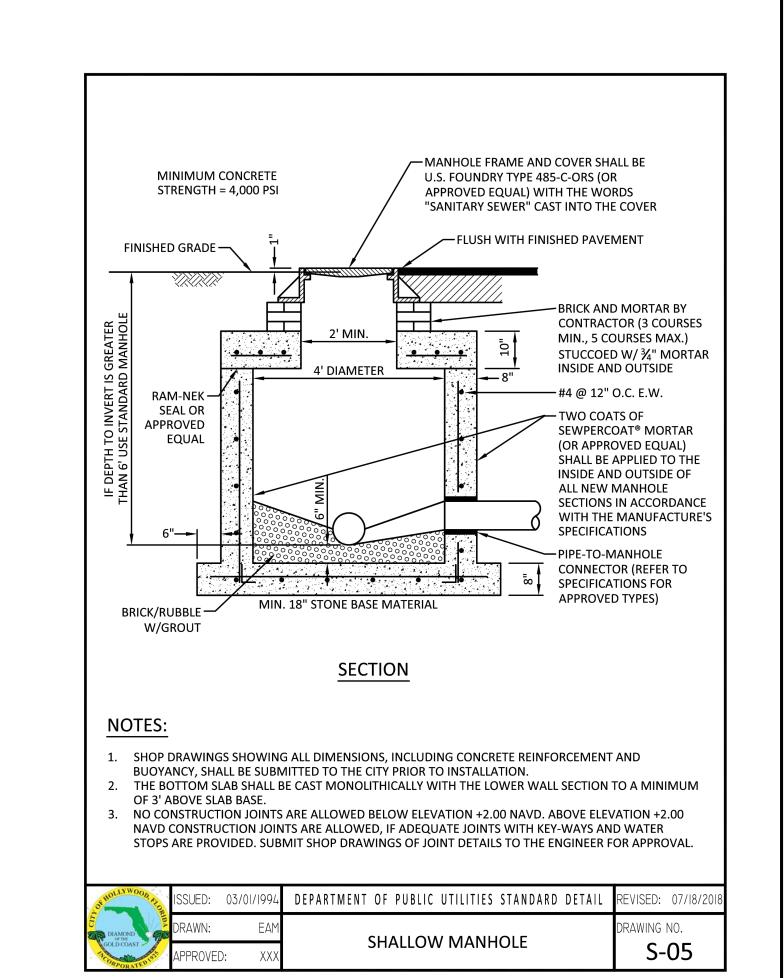
FLUSH WITH FINISHED PAVEMENT

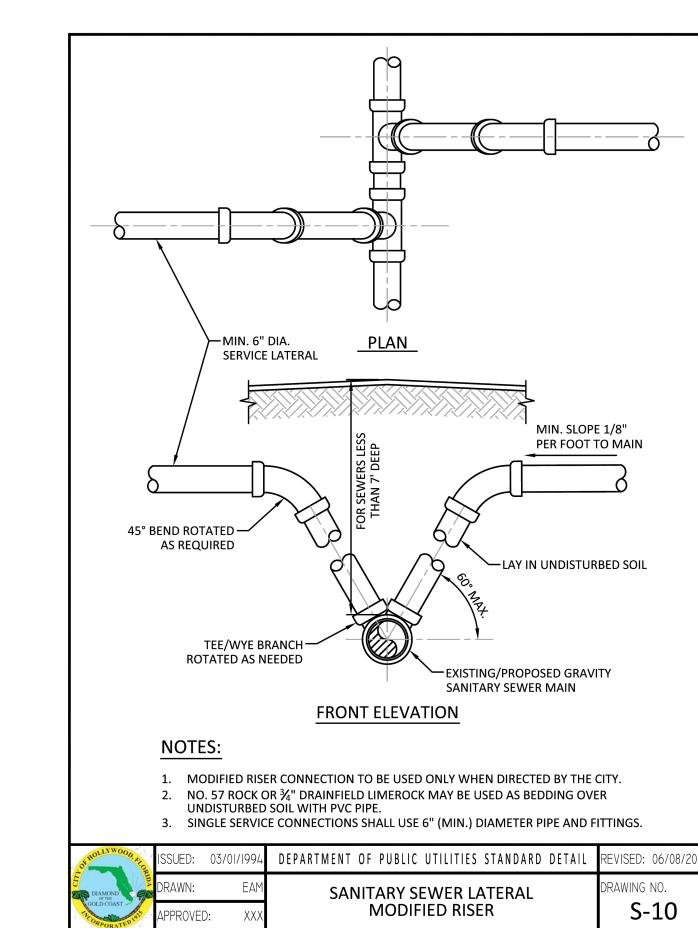
**←** #4 @ 12" O.C. E.W.

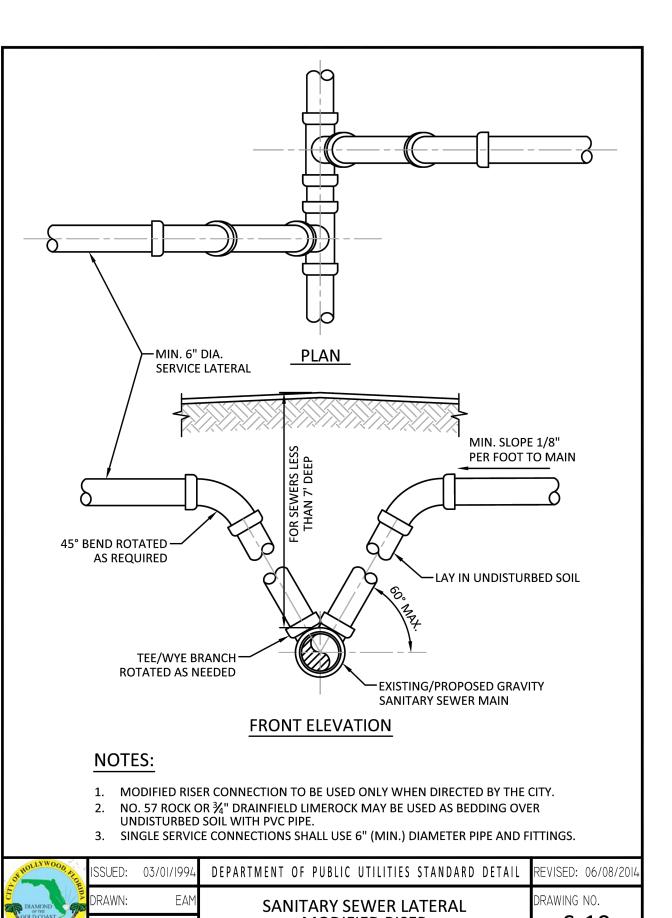
CONCRETE ENCASEMENT

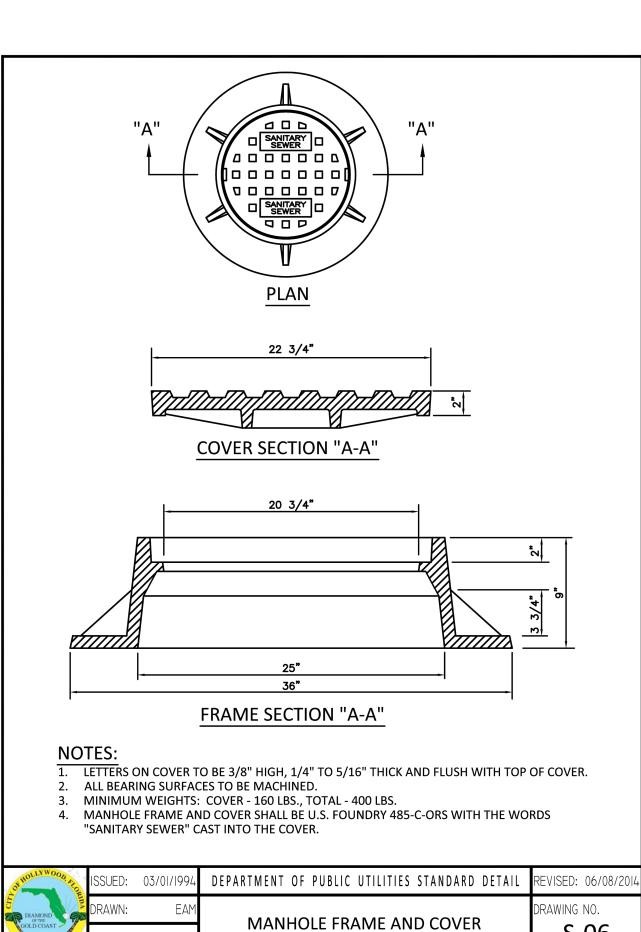
MINIMUM CONCRETE

STRENGTH = 4,000 PSI

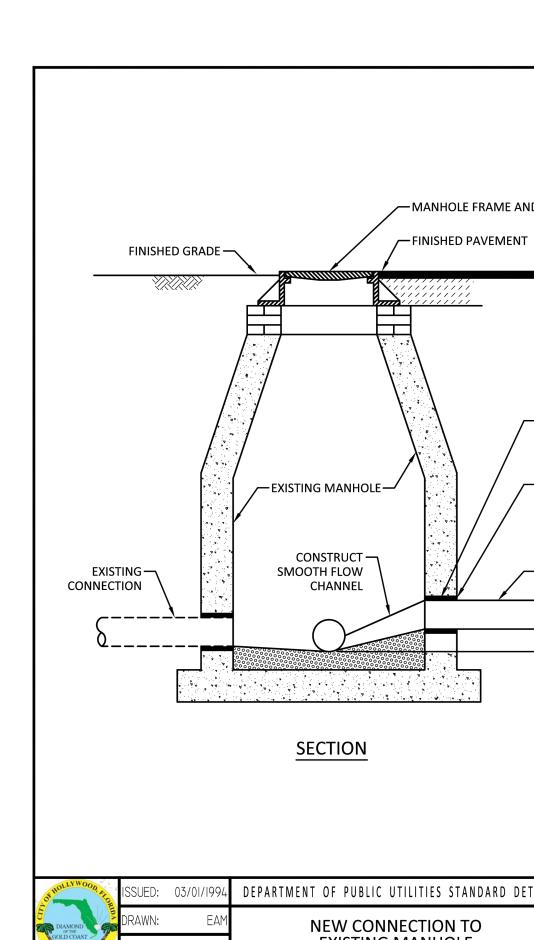


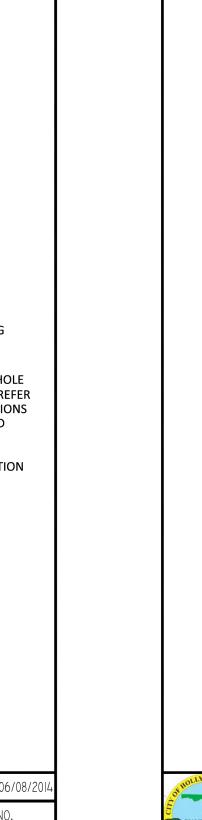






S-06





FILE: K: \PROJECTS\20-xxx\20-4027\dwg\4027wsdt-comm.dwg PLOT DATE: 9/25/2024 10:33 AM BY: Andy Venneman LAYOUT: [WS9]

SHEET No.

STATE OF

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Date: September 25, 2024

OMN

RO

PARK

SCALE:

DESIGNED BY:

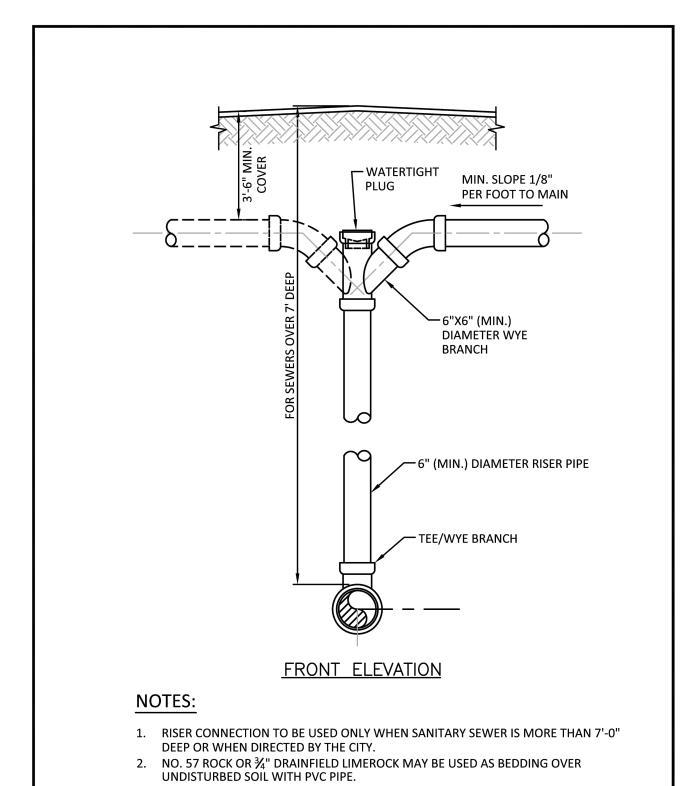
DRAWN BY:

SEW

AND

N.T.S.

20-4027



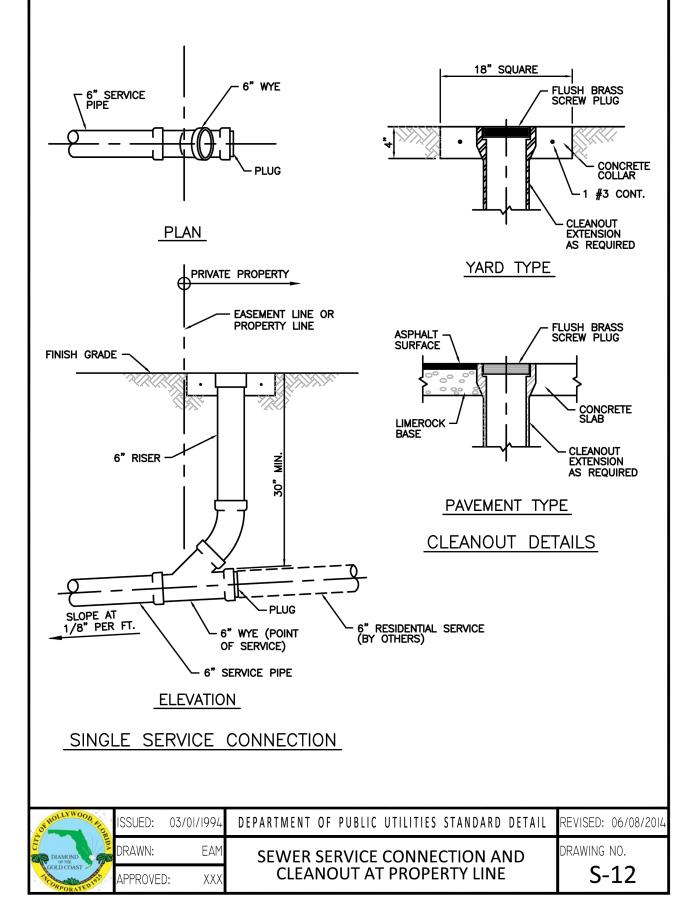
3. SINGLE SERVICE CONNECTIONS SHALL USE 6" (MIN.) DIAMETER PIPE AND FITTINGS.

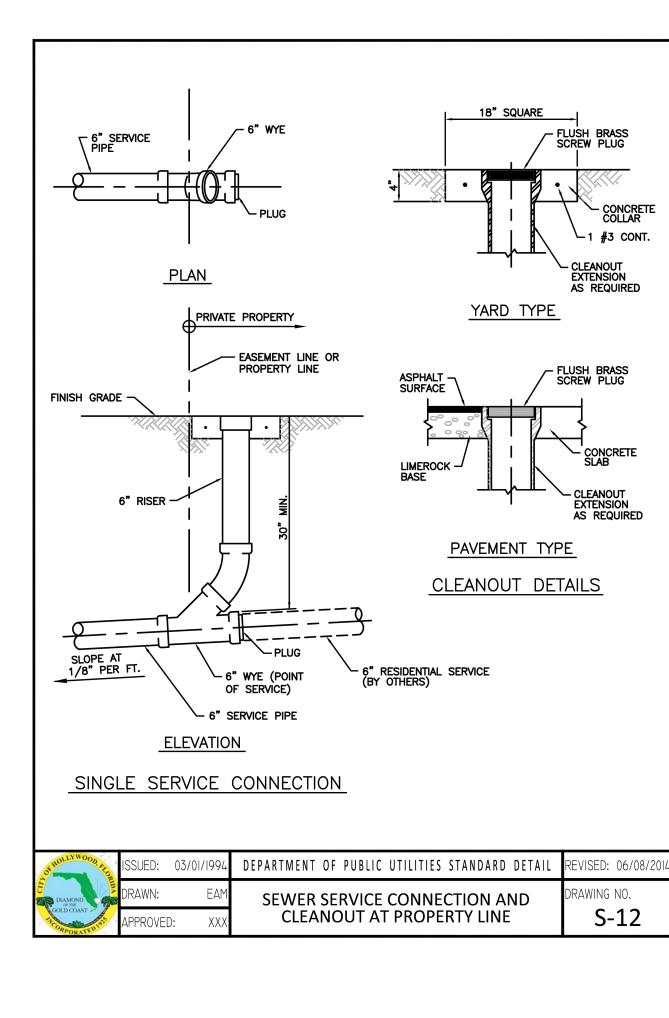
DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL

SANITARY SEWER LATERAL VERTICAL RISER

RAWING NO.

S-11

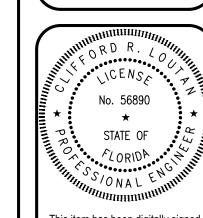




**DETAILS** OMMERCIAL SEWE ROAD

AND PARK

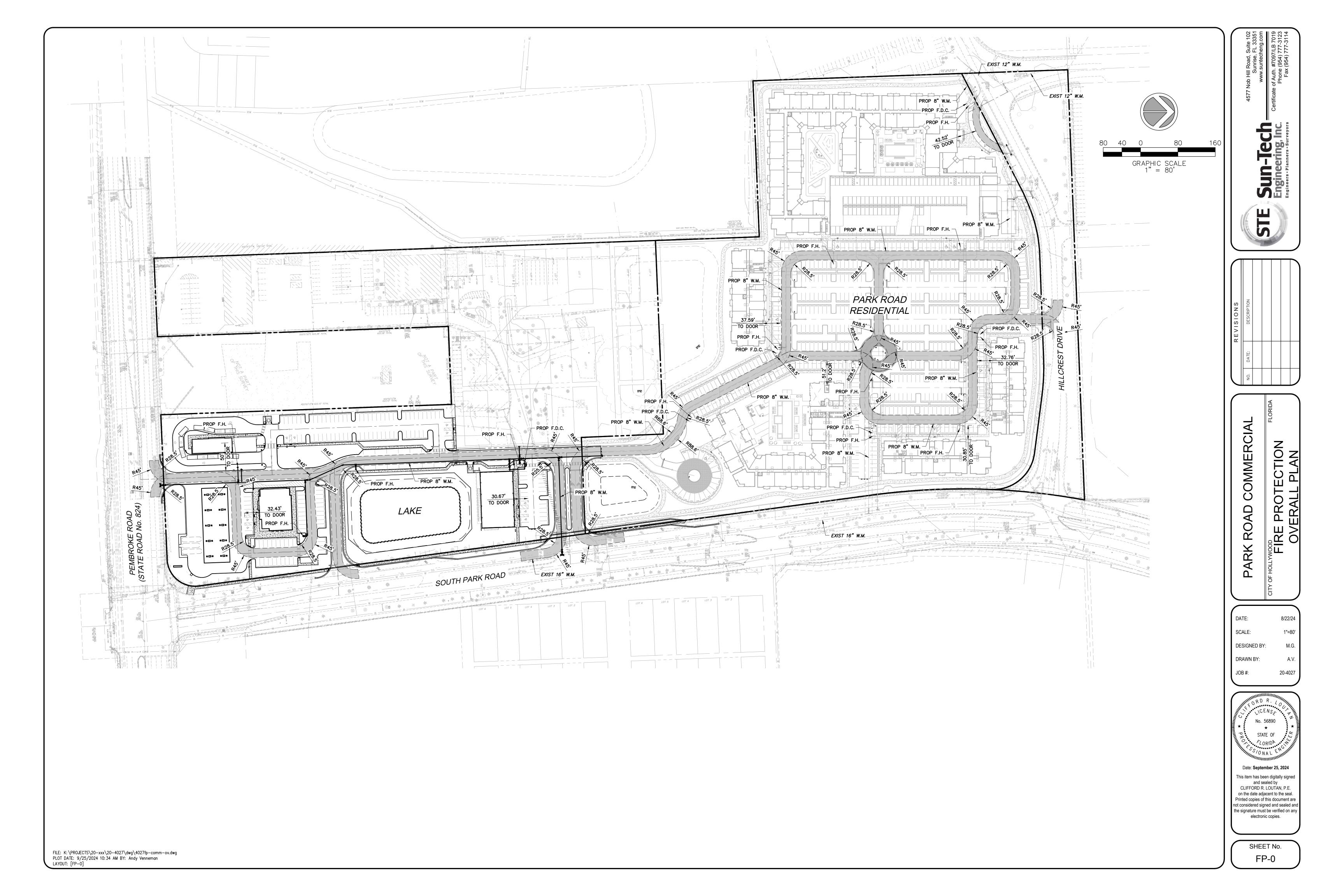
N.T.S. SCALE: DESIGNED BY: DRAWN BY: 20-4027 JOB #:



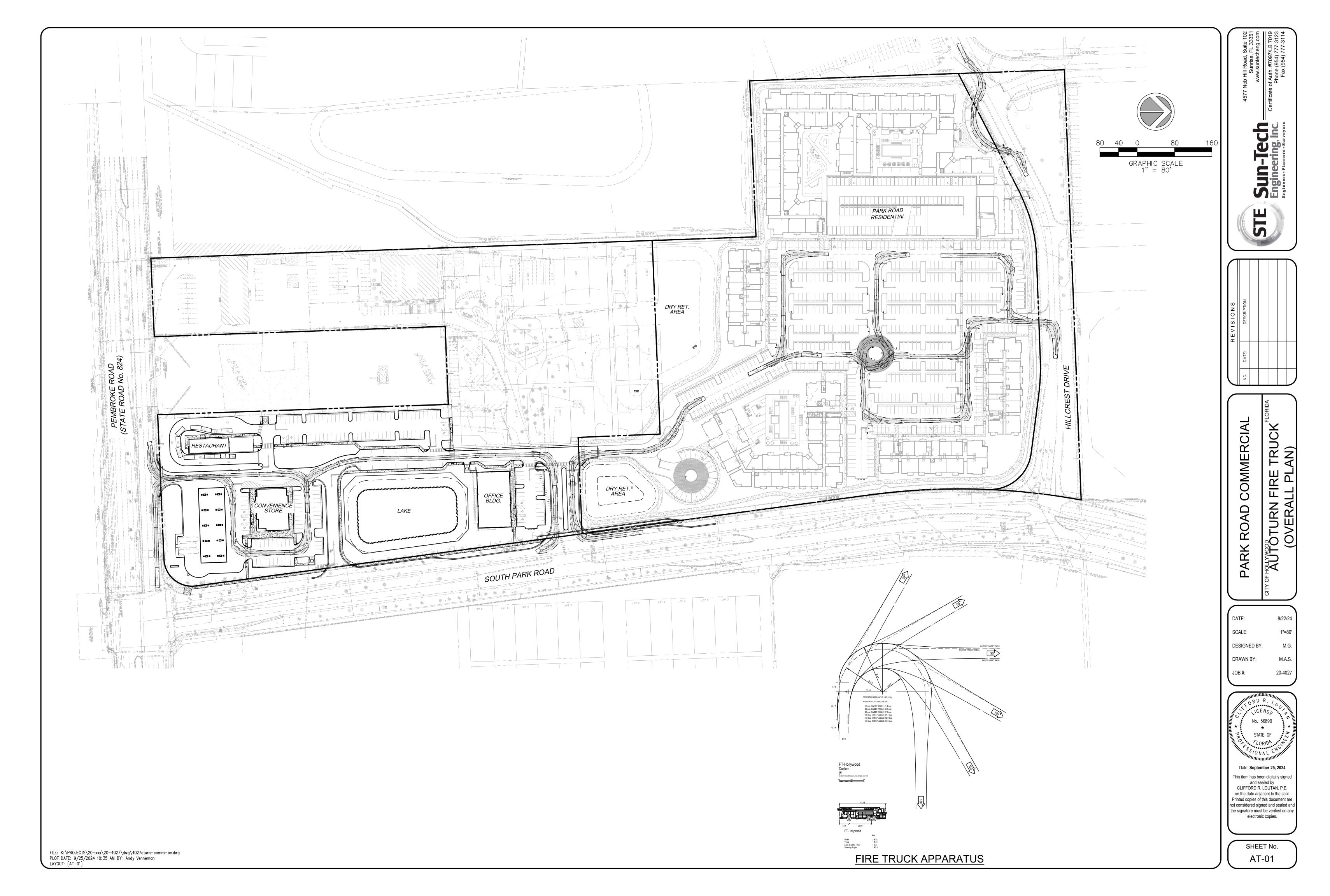
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Date: September 25, 2024

SHEET No.



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