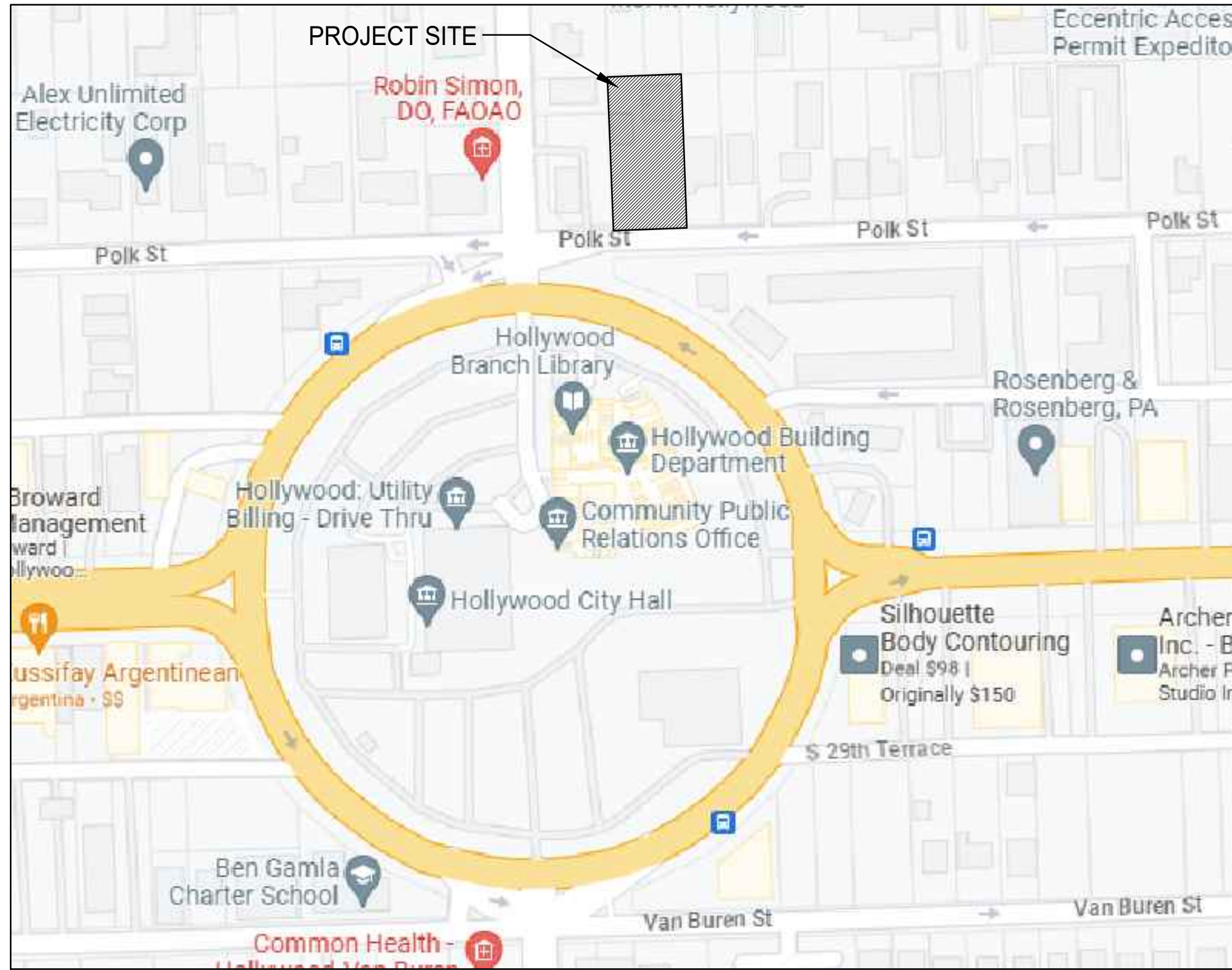


ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM

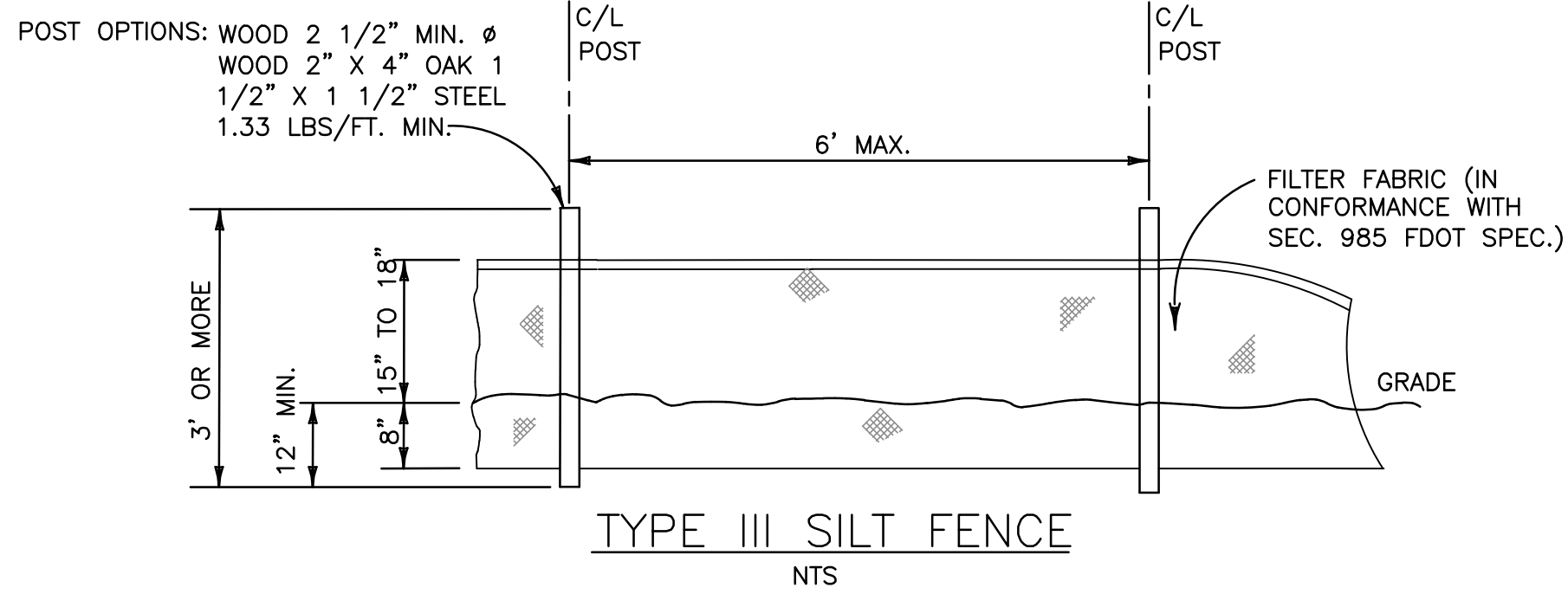
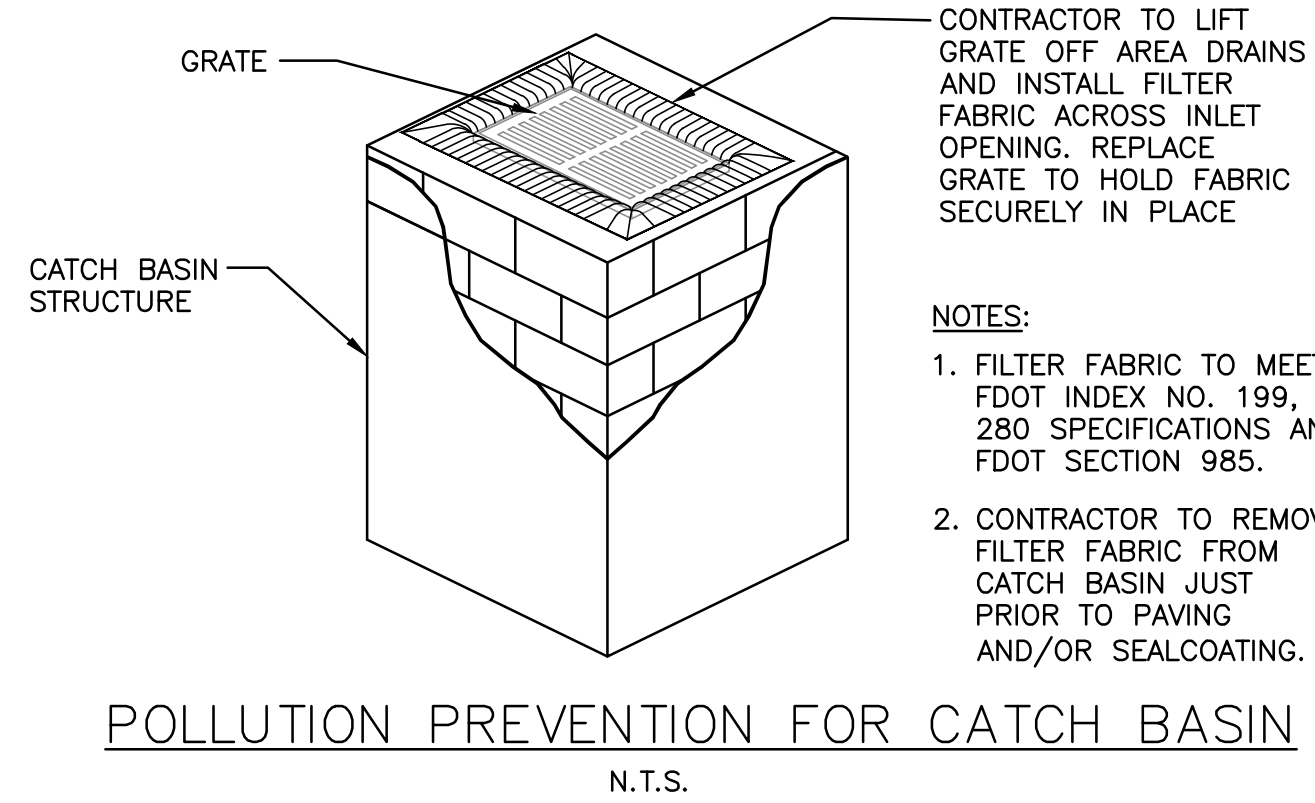
LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED GRADE
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED WATER METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED BFP DEVICE
- EXISTING SAN. SEWER MH
- EXISTING FIRE HYDRANT



LOCATION MAP  
NOT TO SCALE

- BMP NOTES:**
1. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
  2. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
  3. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORMWATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
  4. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
  5. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN THIRTY (30) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
  6. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
  7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
  8. PROPERTIES AND WATER WAYS DOWNSTREAM FROM CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
  9. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
  10. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.
  11. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.



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EROSION & SEDIMENT CONTROL PLAN  
SCALE: 1"=10'

REVISIONS

NO.	DATE	DESCRIPTION

**ZEPHYR ENGINEERING**  
WILFORD ZEPHYR, P.E.  
HOLLYWOOD, FL  
(786) 302-7693  
wzephyreng@gmail.com  
CA#: 31158

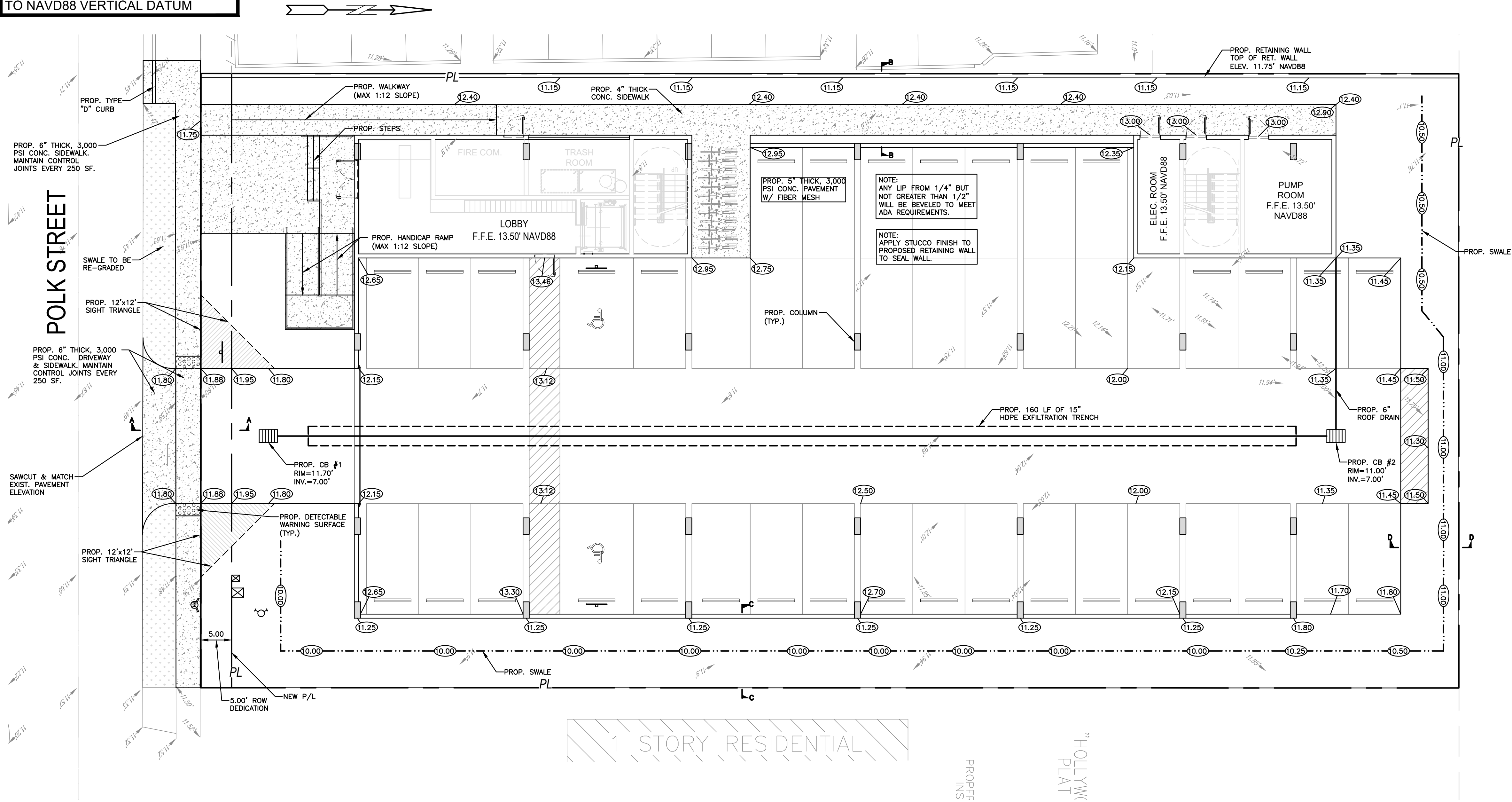
**ZE**

**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#: 76036  
DATE: 8/29/23  
SCALE: 1"=10'  
SHEET NO.: **C1**  
1 OF 11  
PROJECT NO.: 23-40



ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM



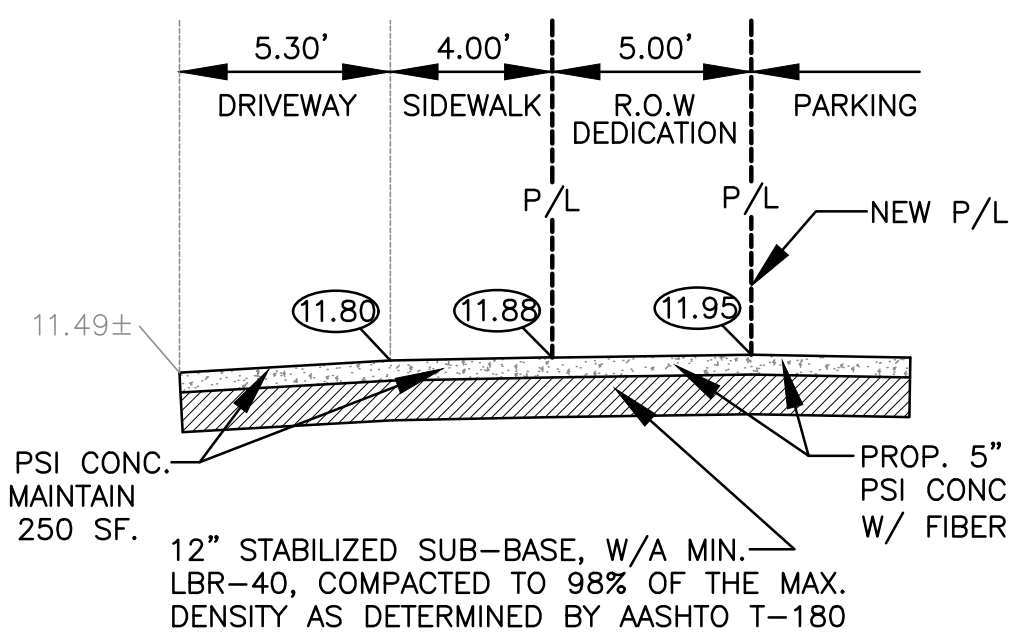
### LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED GRADE
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED WATER METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED BFP DEVICE
- EXISTING SAN. SEWER MH
- EXISTING FIRE HYDRANT

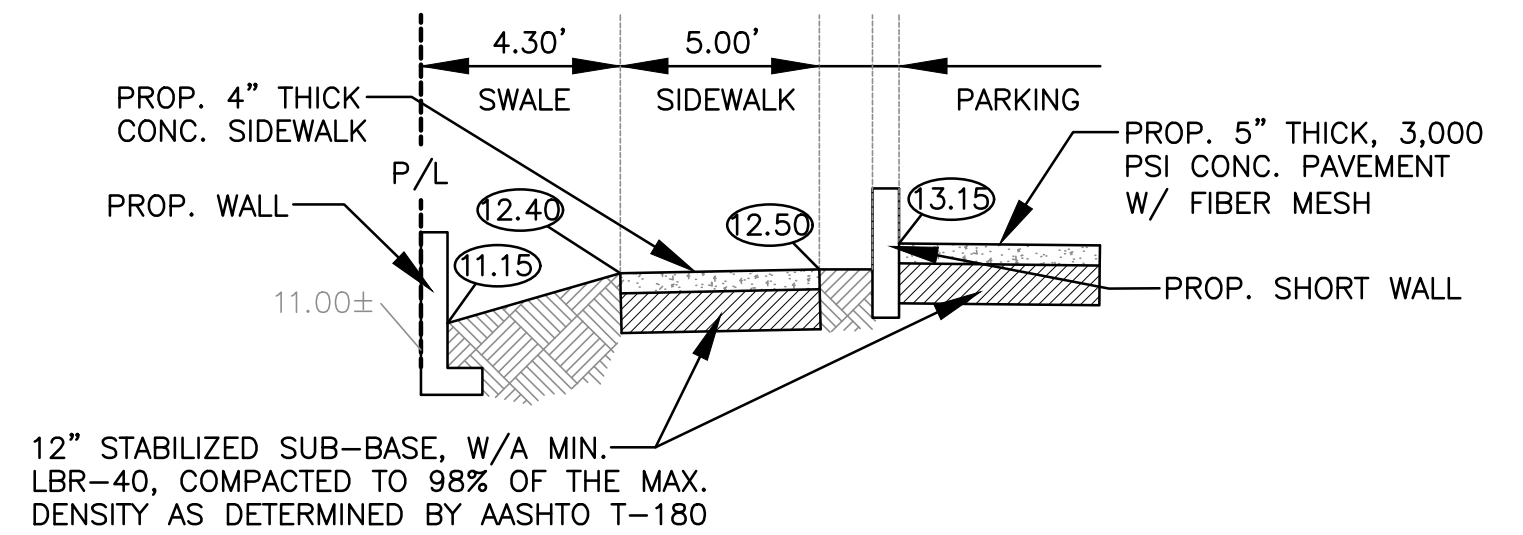
WATER TABLE ELEVATION=1.5' NAVD88 (PER  
BROWARD COUNTY FUTURE WATER TABLE MAP)

### NOTES:

- CONTRACTOR MUST NOTIFY ZEPHYR ENGINEERING OF THE START OF CONSTRUCTION DATE PRIOR TO START OF CONSTRUCTION. ZEPHYR ENGINEERING WILL NOT CERTIFY ANY CONSTRUCTION THAT WAS NOT INSPECTED BY ZEPHYR ENGINEERING, OR ZEPHYR ENGINEERING'S AUTHORIZED REPRESENTATIVE.
- PRIOR TO CONSTRUCTION, CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING ELEVATIONS.
- CONTRACTOR MUST COORDINATE PROPOSED IMPROVEMENTS SHOWN ON CIVIL PLANS WITH EXISTING SITE CONDITIONS & PROPOSED PLANS BY THE OTHER DESIGN PROFESSIONALS PRIOR TO CONSTRUCTION. CONTRACTOR MUST ALSO VERIFY THAT THERE ARE NO DISCREPANCIES BETWEEN THE WATER, SEWER & DRAINAGE PLANS THAT MAY CAUSE CONFLICTS PRIOR TO CONSTRUCTION. CONTACT ZEPHYR ENGINEERING IF DISCREPANCIES EXIST.
- PRIOR TO CONSTRUCTION, CONTRACTOR RESPONSIBLE TO DOCUMENT EXISTING CONDITIONS ON AND AROUND THE PROJECT AREA, INCLUDING THE R.O.W. AND ADJACENT PROPERTIES. IT'S RECOMMENDED THAT CONTRACTOR TAKE PHOTOGRAPHS & VIDEOS TO CLEARLY DOCUMENT CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR RESPONSIBLE TO REPAIR ALL DAMAGES CAUSED BY OR AS A RESULT OF THE PROPOSED CONSTRUCTION.
- ALL ROOF DRAINS MUST BE CONNECTED TO THE ONSITE DRAINAGE SYSTEM.
- CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR SITE PLAN LAYOUT AND DIMENSIONS.
- EXISTING UTILITIES SHOWN ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR'S RESPONSIBLE TO FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO BE AWARE THAT THERE MAY BE SOME EXISTING UTILITIES ON OR ADJACENT TO THE PROJECT SITE THAT MAY NOT BE SHOWN ON THE CIVIL PLANS, AND CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THOSE UTILITIES AS WELL. CONTRACTOR RESPONSIBLE FOR RELOCATION OF EXISTING UTILITIES THAT CONFLICTS WITH PROPOSED CONSTRUCTION.



SECTION A-A  
N.T.S.



SECTION B-B  
N.T.S.



9-1-23

**PAVING, GRADING & DRAINAGE PLAN**

SCALE: 1"=10'

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wzephyr@gmail.com  
CA# 31158

**ZE**

**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#: 76036  
DATE: 8/29/23  
SCALE: 1"=10'  
SHEET NO.:  
**C2**  
2 OF 11  
PROJECT NO.: 23-40



GENERAL CONDITION NOTES :

1. THE LOCATION OF EXISTING UTILITIES AND TOPOGRAPHY HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO NOTIFY THE FOLLOWING COMPANIES & AGENCIES AND ANY OTHERS SERVING THE AREA:

FLORIDA POWER & LIGHT CO., CONSTRUCTION  
BELLSOUTH  
COMCAST  
TECO  
LOCAL CITY / COUNTY ENGINEERING & UTILITY DEPARTMENTS  
FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AS APPLICABLE  
UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA  
(S.U.N.S.H.I.N.E.)

PAVING, GRADING & DRAINAGE NOTES:

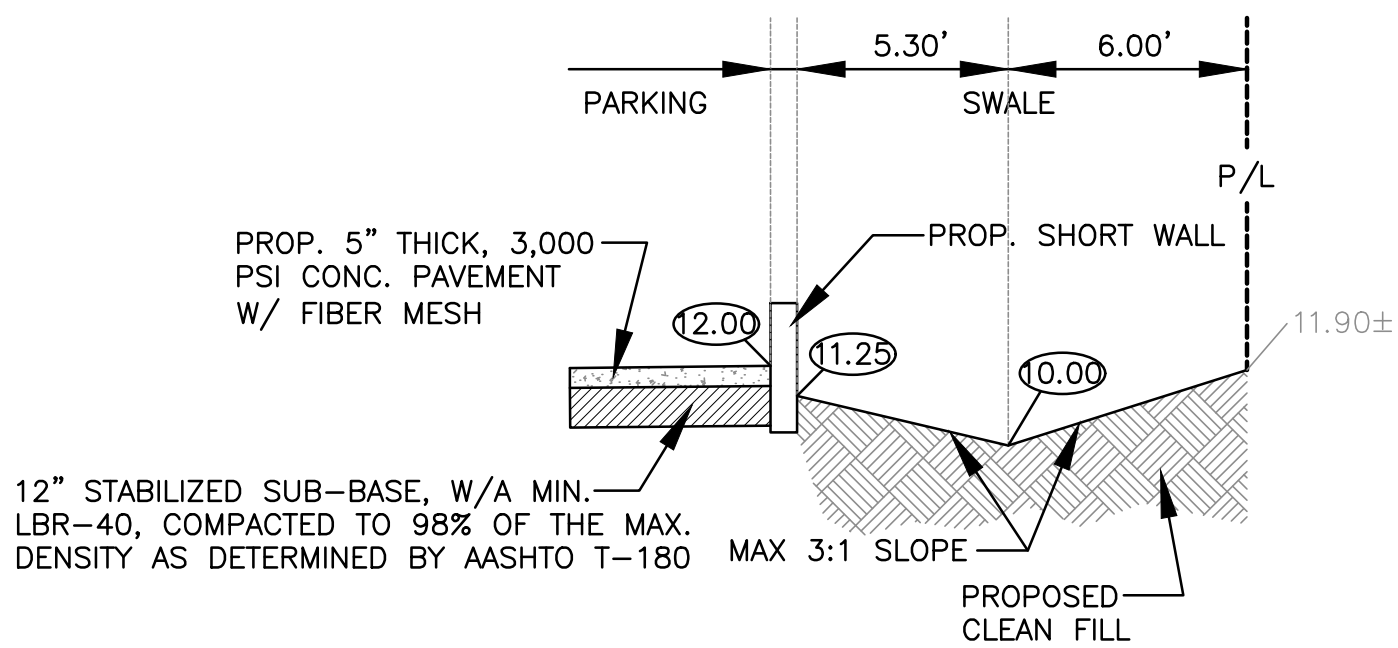
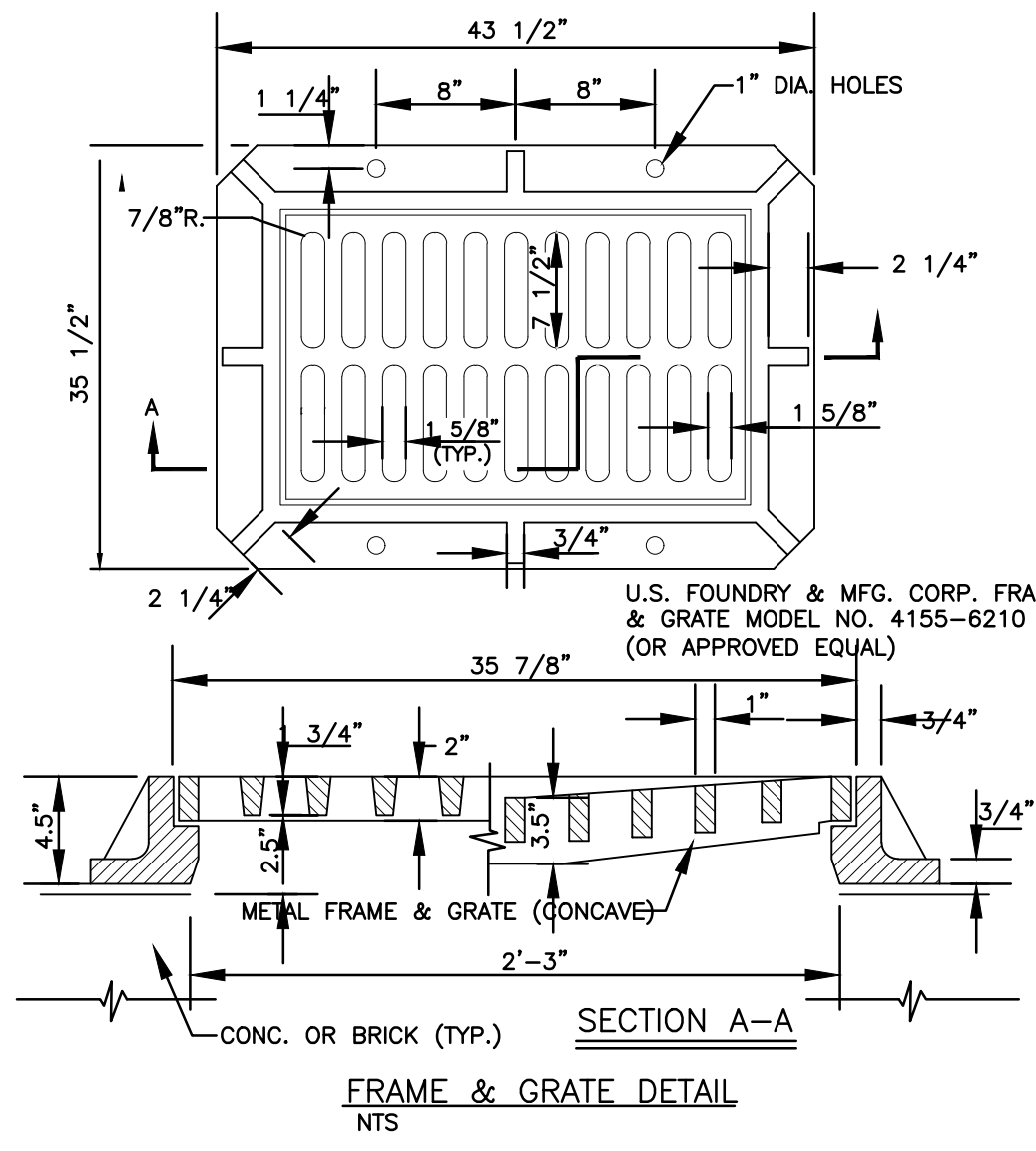
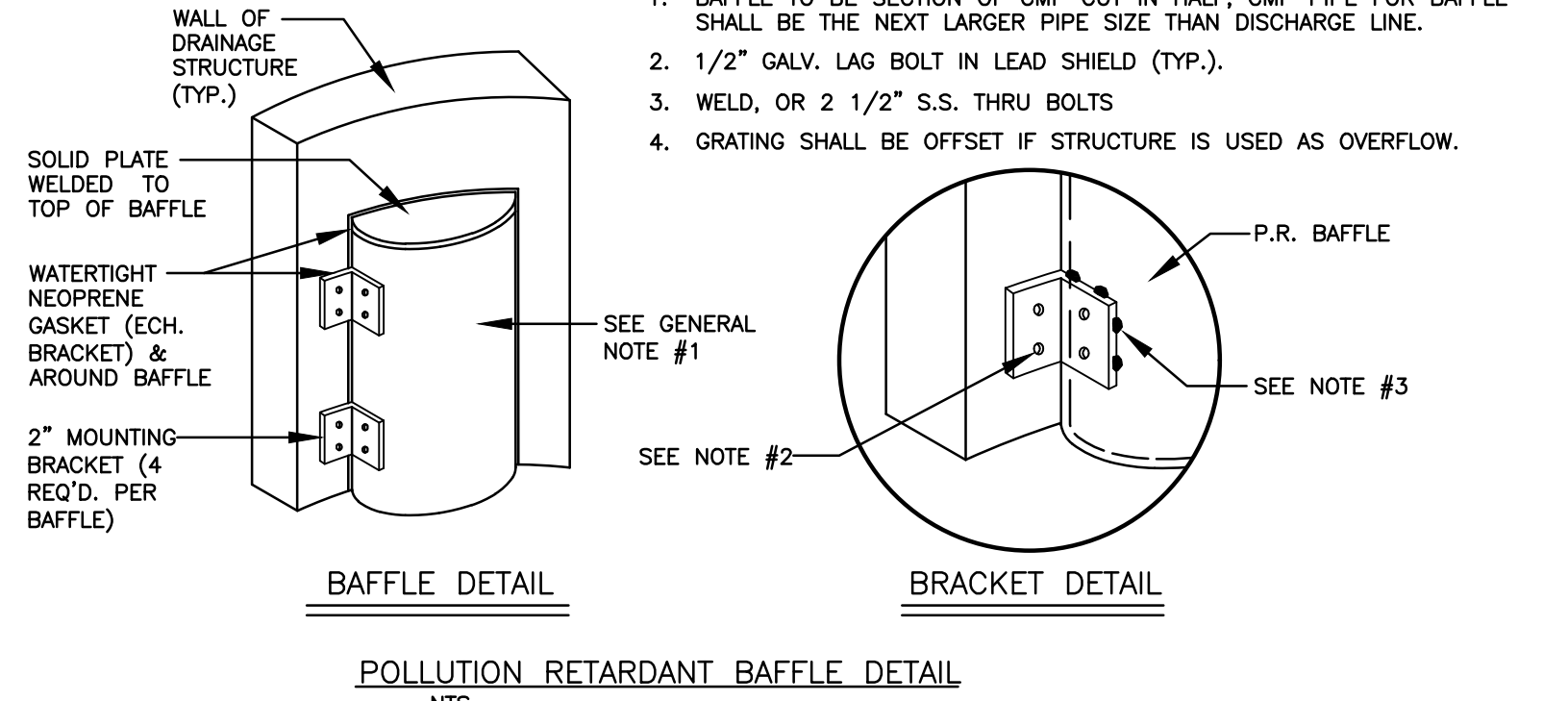
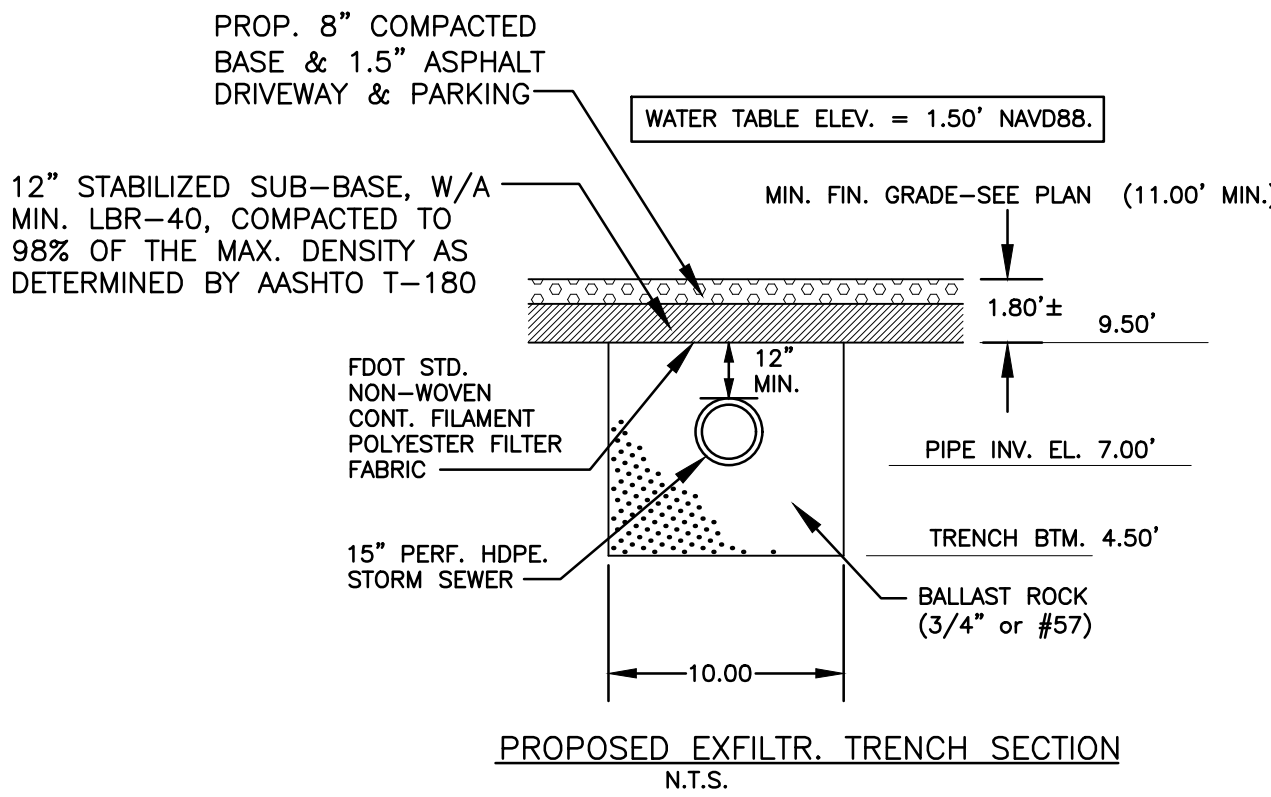
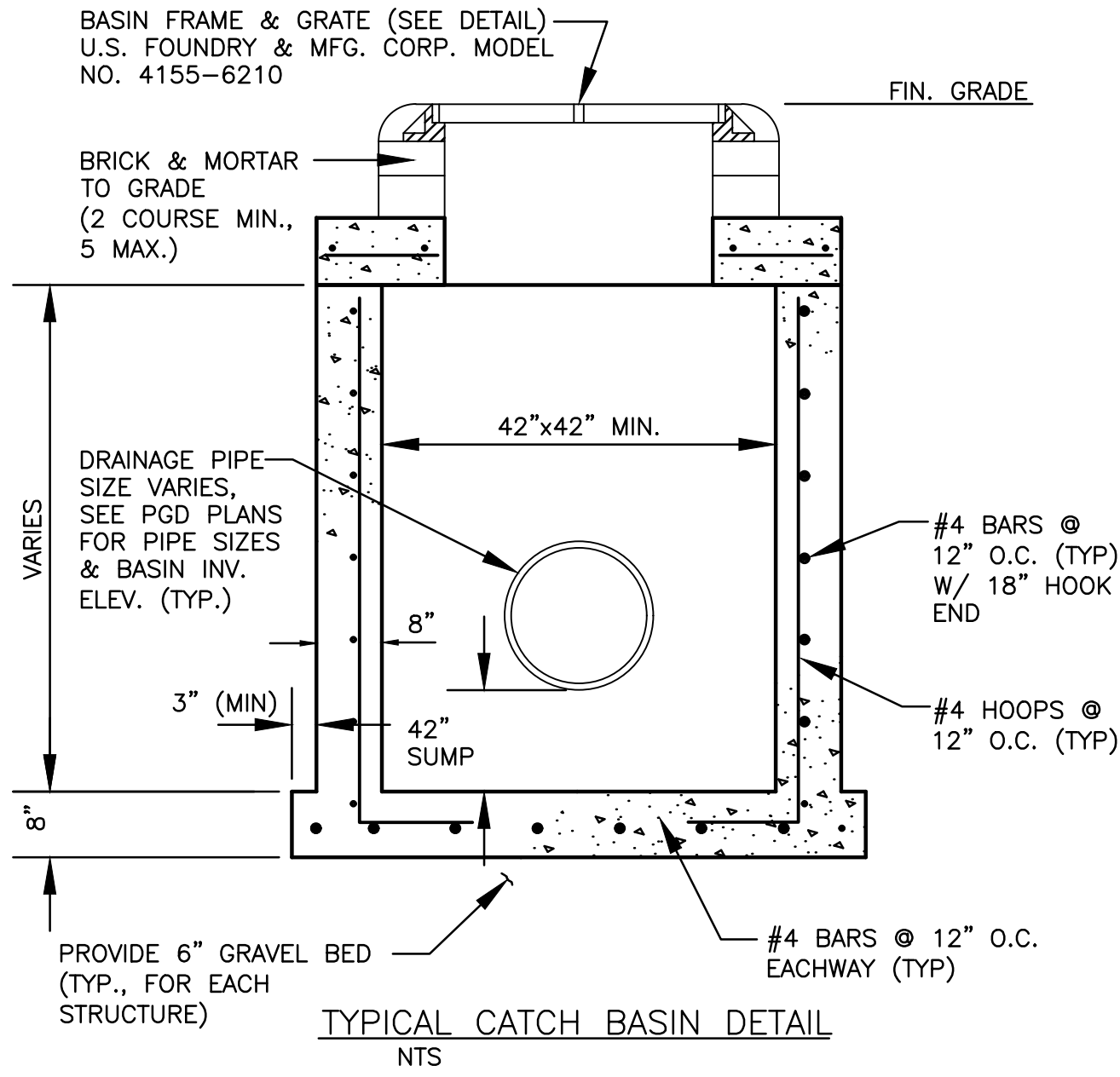
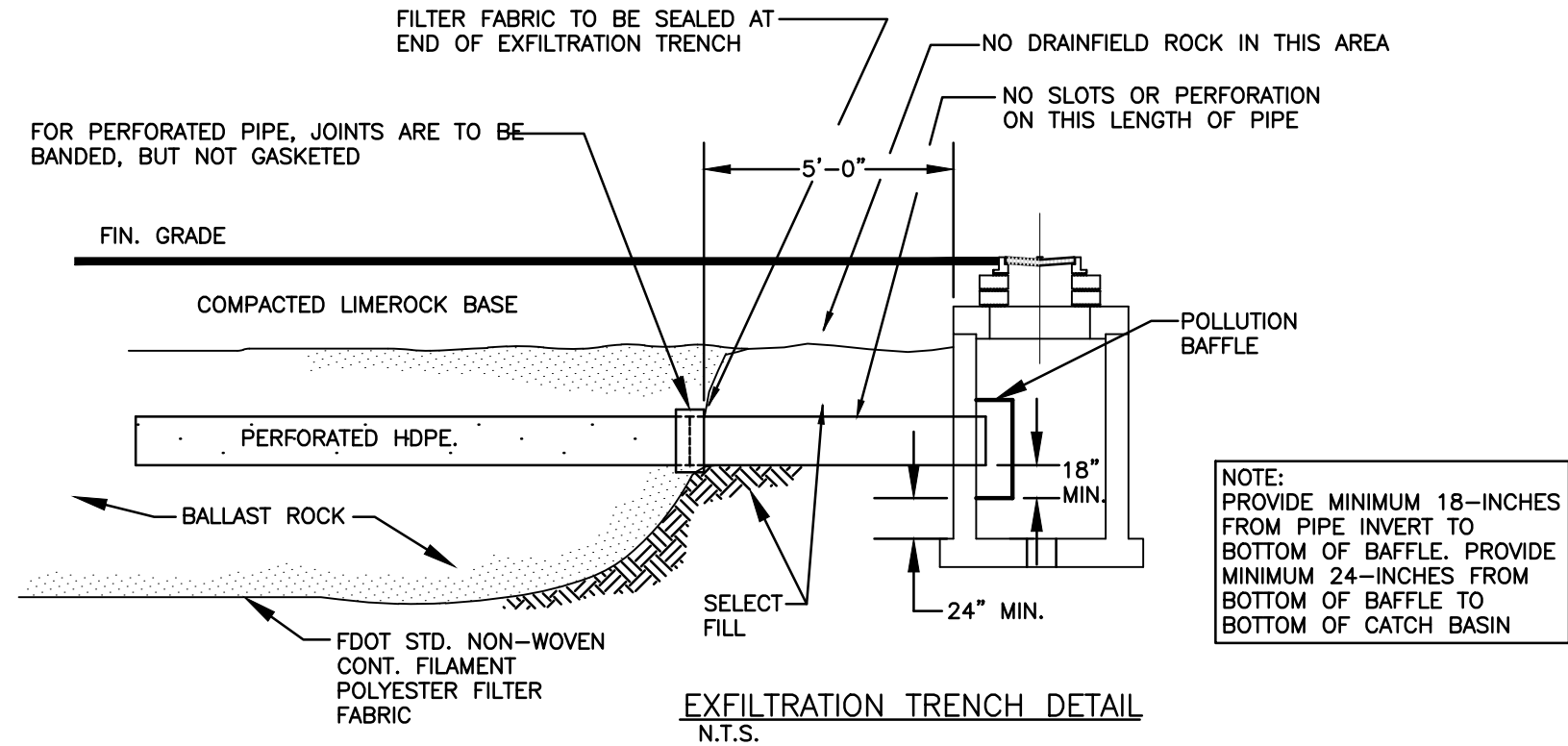
1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL & OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD & PARKING LOT AREAS SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, & REPLACED W/ THE SPECIFIED FILL MATERIAL IN MAXIMUM 12" LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE W/ AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT & METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.
2. ALL AREAS SHALL BE CLEARED & GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL & DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH & ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXIST. GROUND TO A DEPTH OF 12". ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR ADJUSTED SHALL BE SO DESIGNATED ON THE DWGS.
3. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3 OR A-2.4 IN ACCORDANCE W/ AASHTO M-145 & SHALL BE FREE FROM VEGETATION & ORGANIC MATERIAL. NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO. 200 SIEVE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENG. TEST RESULTS MUST INCLUDE BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE & LIME ROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONC. CYLINDERS, ETC...
5. ALL INLETS & PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS & PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM TO BE CLEAN OF DEBRIS PRIOR TO FINAL ACCEPTANCE.
6. WHERE NEW ASPHALT MEETS OR ABUTS EXIST. ASPHALT, THE EXIST. ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL ALSO BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.
7. ALL PROPOSED GRADES (ELEVATIONS) REFER TO ASPHALT GRADES UNLESS INDICATED OTHERWISE.
8. SITE GRADING SHALL BE W/IN 0.1' OF THE REQUIRED ELEVATION & ALL AREAS SHALL BE GRADED TO DRAIN.
9. ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE NOTED & SHALL BE COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-99.
10. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 & HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM & MAGNESIUM UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.
11. CONCRETE & ASPHALT THICKNESS SHALL BE OF TYPE DESIGNATED ON DWGS. (SEE SECTIONS)
12. PLASTIC FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.
13. CONC. SIDEWALKS SHALL BE 4" THICK ON COMPACTED SUBGRADE, W/ 1/2" EXPANSION JOINTS PLACED AT A MAXIMUM OF 75'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS SPECIFIED OTHERWISE BY LOCAL CODES OR INDICATED ON DWGS. ALL CONC. SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6" THICK.
14. PIPE SPECIFICATIONS : THE MATERIAL TYPE IS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING DESIGNATIONS -  
RCP = REINFORCED CONC. PIPE, ASTM DESIGNATION C-76, TABLE III  
CMP = CORRUGATED METAL (ALUM.) PIPE, TM DESIGNATION M-196  
CMP = (SMOOTH LINED) CORRUGATED METAL (ALUM.) PIPE, ASTM DESIGNATION M-196  
SCP = SLOTTED CONC. PIPE, FDOT SECTIONS 941 & 942  
PVC = POLYVINYLCHLORIDE PIPE  
POMP = PERFORATED CMP, FDOT SECTION 945  
DIP = DUCTILE IRON PIPE  
HDPE = HIGH DENSITY POLYETHYLENE PIPE.
15. ASPHALT -  
BITUMINOUS MATERIAL SHALL BE ASPHALT CEMENT, VISCOSITY GRADE AC-20, CONFORMING TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, 1986 EDITION, SECTION 916-1.  
PRIME COAT SHALL BE CUT BACK ASPHALT, GRADE RC-70 OR RC-250 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-81-75 (1982). RATE - 0.10 GALS./S.Y. TACK COAT SHALL BE EMULSIFIED ASPHALT, GRADE RS-2 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-140-82. RATE - 0.02 TO 0.08 GALS./S.Y.

DESIGN MIX SHALL CONFORM TO FDOT SECTION 331 UNLESS OTHERWISE SPECIFIED.

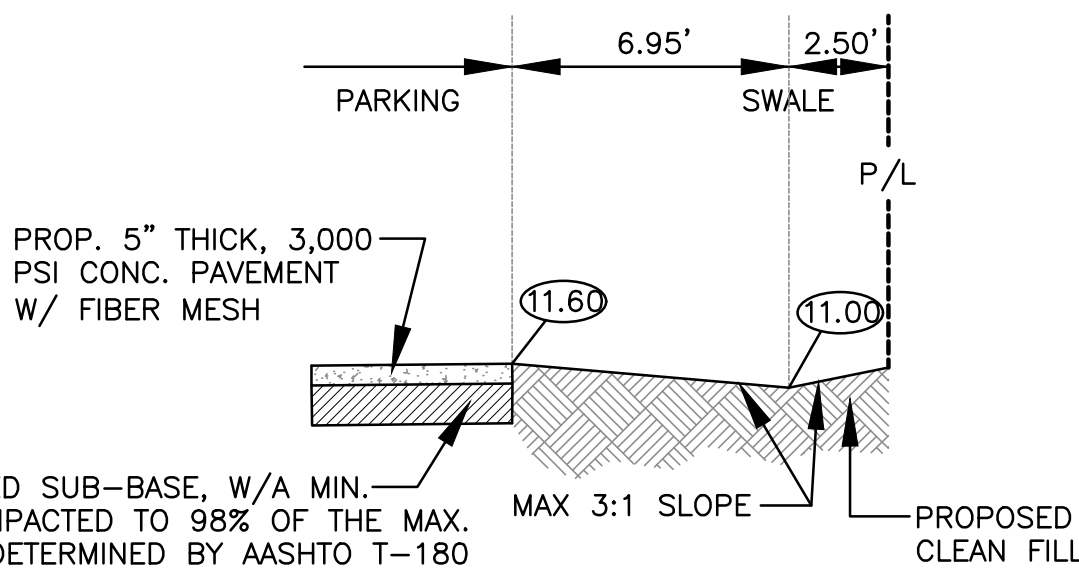
PAVEMENT MARKING & SIGNING STANDARD NOTES :

1. STOP SIGNS SHALL BE 30"x30" (R1-1), HIGH INTENSITY.
2. ALL SIGNS SHALL BE PLACED AT A HEIGHT NOT LESS THAN 5' & NOT GREATER THAN 7'. THE HEIGHT IS MEASURED FROM THE BOTTOM OF THE SIGN TO THE EDGE OF NEAREST PAVEMENT. THE SIGN POST SHALL BE PLACED A MINIMUM OF 6' TO A MAXIMUM OF 12' FROM THE ADJACENT PAVEMENT, & A MINIMUM OF 6' FROM THE CROSS TRAFFIC PAVEMENT.
3. STOP BARS SHALL BE 24" WHITE.
4. ALL SITE PAVEMENT MARKINGS SHALL BE PAINT. (UNLESS INDICATED OTHERWISE)
5. ALL PAVEMENT MARKINGS AND SIGNAGE IN THE ROAD RIGHT-OF-WAY SHALL BE THERMOPLASTIC & SHALL CONFORM TO MUTCD AND PBC TYPICAL T-P-06-001.

ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM



SECTION C-C  
N.T.S.



SECTION D-D  
N.T.S.

CIVIL DETAILS I

SCALE: N.T.S.



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NO.	DESCRIPTION

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HOLLYWOOD, FL  
(786) 302-7693  
wzephyreng@gmail.com  
CA#: 31158

**ZE**

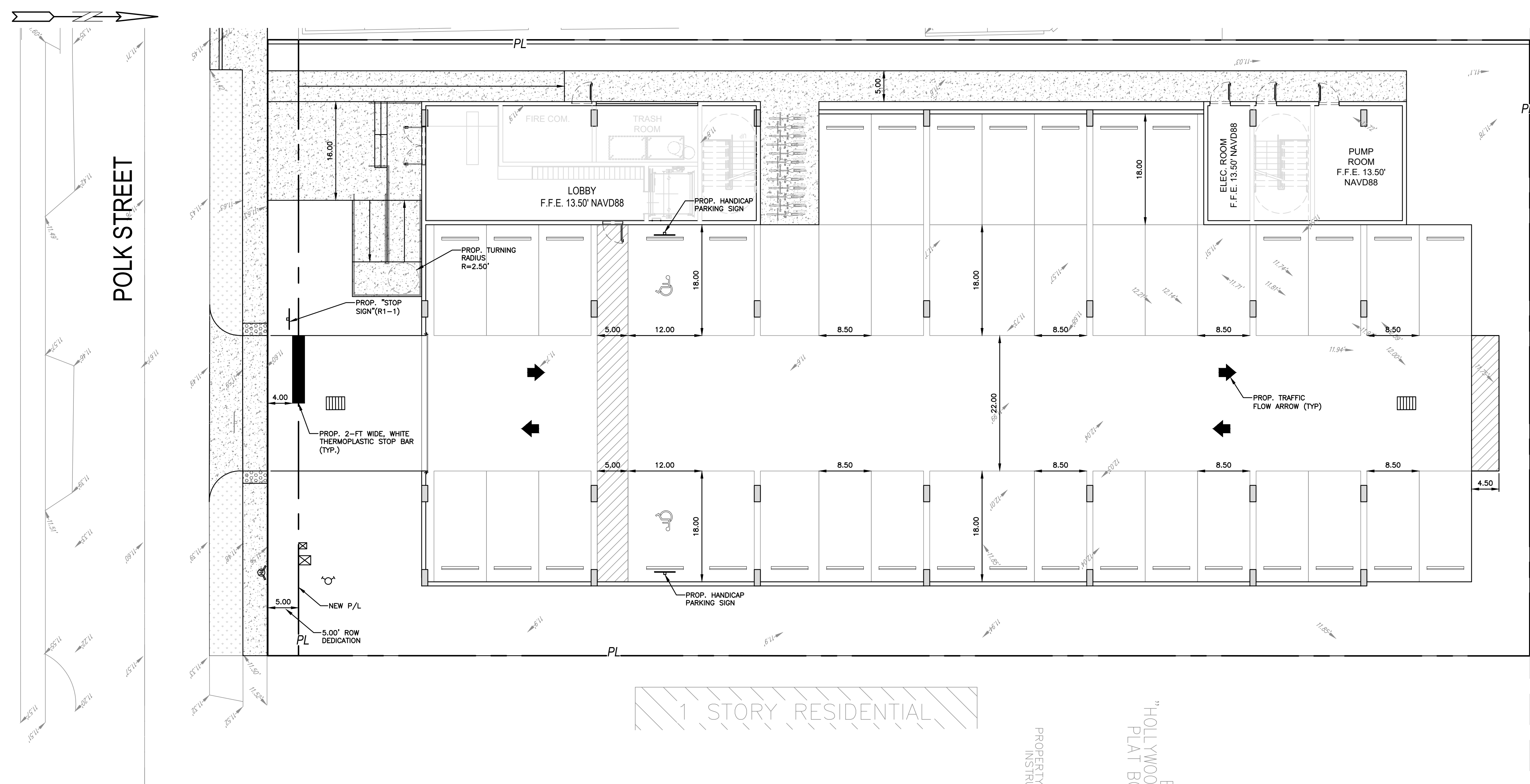
**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#:76036  
DATE: 8/29/23  
SCALE: N.T.S.  
SHEET NO.:  
**C3**  
3 OF 11  
PROJECT NO.: 23-40









ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM

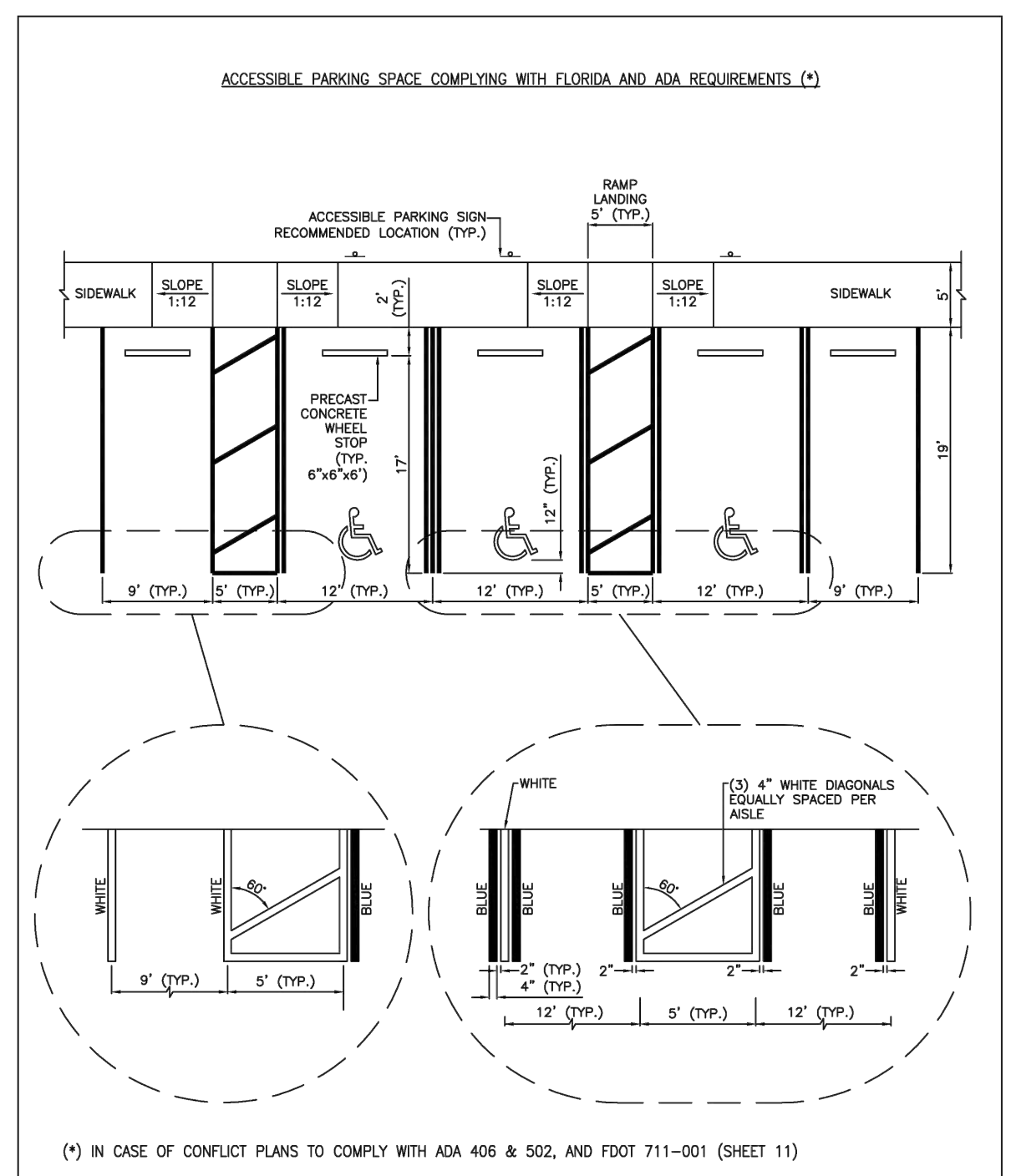
- LEGEND**
- PROPOSED CONCRETE
  - PROPOSED ASPHALT
  - PROPOSED GRADE
  - EXISTING ELEVATION
  - PROPOSED CATCH BASIN
  - EXISTING CATCH BASIN
  - PROPOSED WATER METER
  - EXISTING WATER METER
  - EXISTING WATER VALVE
  - PROPOSED BFP DEVICE
  - EXISTING SAN. SEWER MH
  - EXISTING FIRE HYDRANT

REVISIONS		DESCRIPTION
NO.	DATE	

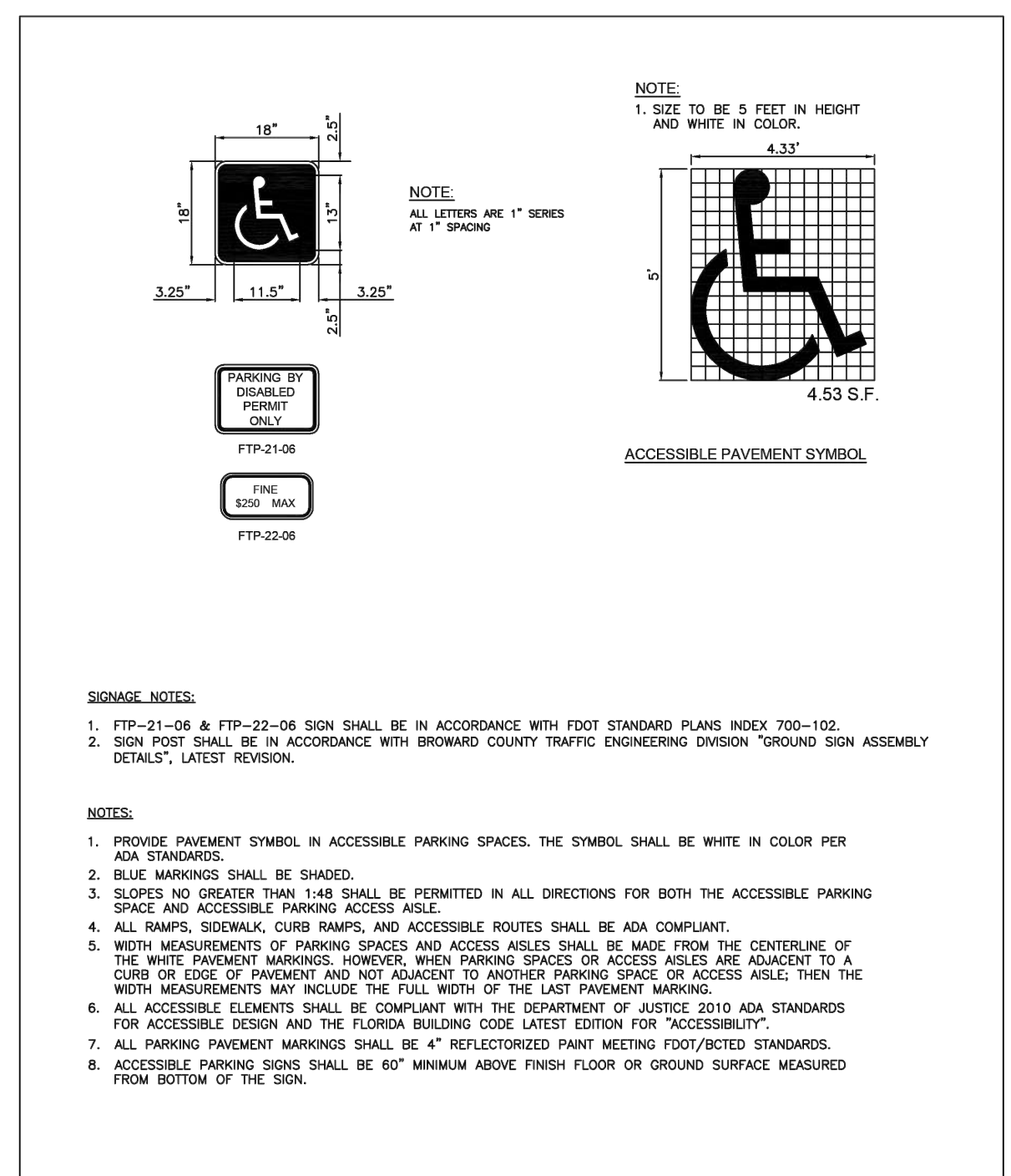
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**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020



ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
DRAWN: EG	ACCESSIBLE PARKING SPACE DETAILS (1 OF 2)	DRAWING NO.: C-21
APPROVED: JG		

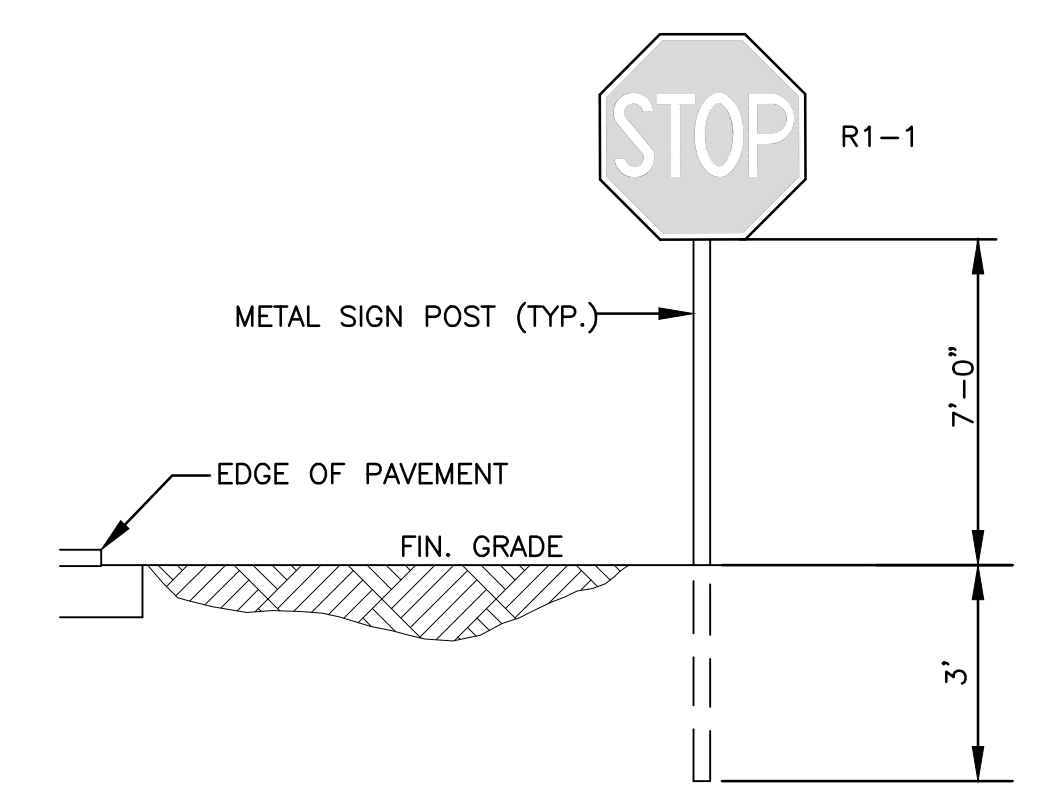
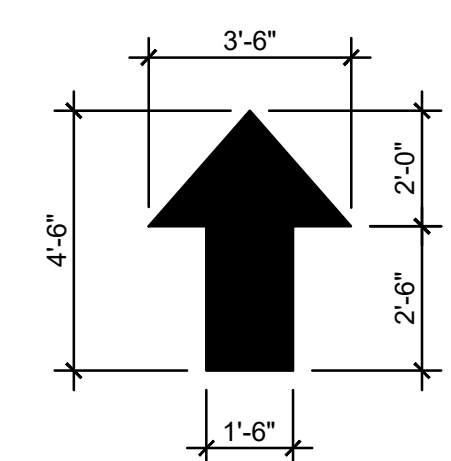


ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
DRAWN: EG	ACCESSIBLE PARKING SPACE DETAILS (2 OF 2)	DRAWING NO.: C-22
APPROVED: JG		

TRAFFIC CONTROL ARROWS: DIRECTIONAL ARROWS PAINTED ON CONCRETE - SEE LOCATIONS THIS SHEET.

PAINT FOR ARROWS: PROVIDE A MINIMUM OF 2-COATS OF D.O.T. APPROVED PAINT - UTILIZE "YELLOW" COLORED PAINT ON CONCRETE.

TRAFFIC CONTROL ARROWS DETAILS  
NTS



TYPICAL SIGN INSTALLATION DETAIL  
NTS



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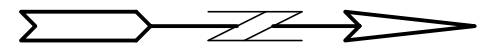
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**PAVEMENT MARKINGS & SIGNAGE PLAN**  
SCALE: 1"=10'

P.E.#: 76036  
DATE: 8/29/23  
SCALE: 1"=10'  
SHEET NO.: C5  
5 OF 11  
PROJECT NO.: 23-40



ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM



## LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED GRADE
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED WATER METER
- EXISTING WATER METER
- EXISTING WATER VALVE
- PROPOSED BFP DEVICE
- EXISTING SAN. SEWER MH
- EXISTING FIRE HYDRANT

## REVISIONS

NO.	DATE	DESCRIPTION

**ZEPHYR ENGINEERING**

**ZE**

**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 8/29/23

SCALE: 1"=20'

SHEET NO.:

C6

6 OF 11

PROJECT NO.: 23-40

NOTE:  
FULL ROAD WIDTH PAVEMENT MILL AND  
RESURFACING WILL BE REQUIRED FOR  
ALL STREETS/ROADWAY ADJACENT TO  
THE PROJECT SITE

### FIRE DEPT. NOTES:

- UNDERGROUND FIRE MAIN WORK WILL BE COMPLETED BY A CONTRACTOR HOLDING A CLASS I,II, OR V LICENSE AS DEFINED BY FLORIDA STATUTE 633.102.
- WATER SUPPLY AND ANY NEW HYDRANTS SHALL BE IN PLACE PRIOR TO ACCUMULATION OF COMBUSTIBLE MATERIALS PER NFPA 1 (2018 Ed.) SECTION 16.4.3.1.1.

### WATER & SEWER DEMAND CALCULATIONS:

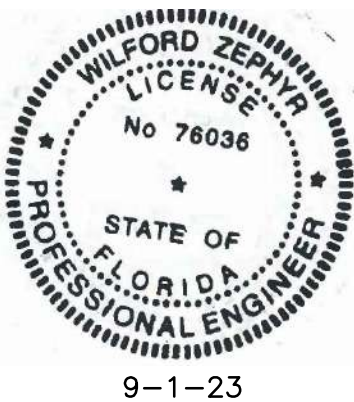
#### PROJECT INFO:

- 33 RESIDENTIAL UNITS

**WATER DEMAND**  
(33 RESIDENTIAL UNITS)X(141 GPD/UNIT)=4,653 GPD

**WASTEWATER DEMAND**  
(33 RESIDENTIAL UNITS)X(100 GPD/UNIT)=3,300 GPD

(PER BROWARD COUNTY WATER & WASTEWATER ENGINEERING DIVISION'S GUIDELINE FOR DETERMINING ABILITY TO PROVIDE POTABLE WATER & WASTEWATER SERVICE AND EQUIVALENT RESIDENTIAL UNIT FACTORS PUBLICATIONS)



9-1-23

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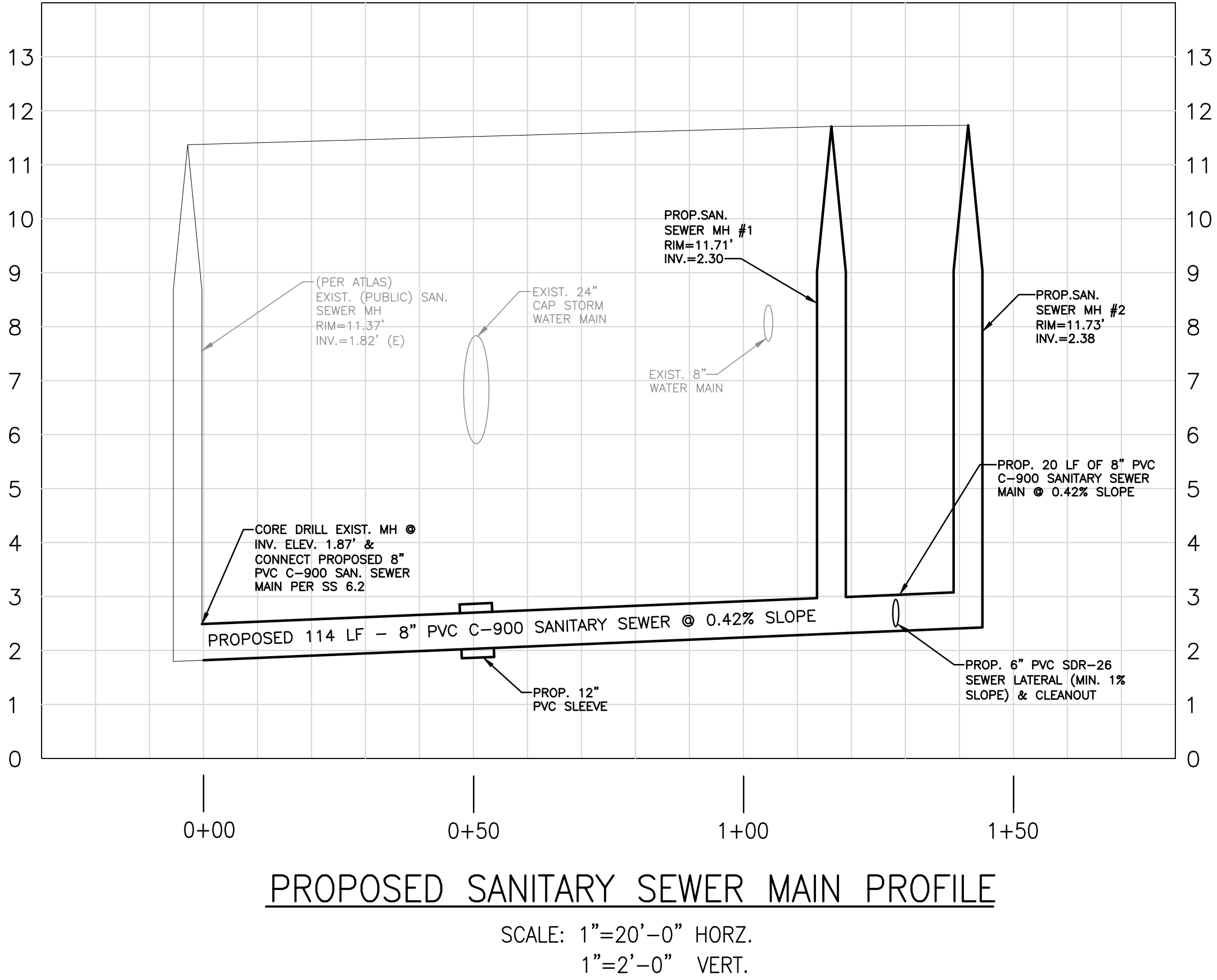
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## WATER & SEWER PLAN & DETAILS

SCALE: 1"=20'

ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM

- LEGEND**
- PROPOSED CONCRETE
  - PROPOSED ASPHALT
  - PROPOSED GRADE
  - EXISTING ELEVATION
  - PROPOSED CATCH BASIN
  - EXISTING CATCH BASIN
  - PROPOSED WATER METER
  - EXISTING WATER METER
  - EXISTING WATER VALVE
  - PROPOSED BFP DEVICE
  - EXISTING SAN. SEWER MH
  - EXISTING FIRE HYDRANT



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**SANITARY SEWER MAIN PROFILE**  
SCALE: 1"=20'

REVISIONS	
NO.	DESCRIPTION

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WILFORD ZEPHYR, P.E.  
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(786) 302-7693  
wzephyreng@gmail.com  
CA#: 31158

**ZE**

POLK STREET APARTMENTS  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#: 76036  
DATE: 8/29/23  
SCALE: 1"=20'  
SHEET NO.:  
C7  
7 OF 11  
PROJECT NO.: 23-40



ALL ELEVATIONS ARE REFERENCED  
TO NAVD88 VERTICAL DATUM

BCTED NO. XXXXXXXX

## LEGEND


	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED GRADE
	EXISTING ELEVATION
	PROPOSED CATCH BASIN
	EXISTING CATCH BASIN
	PROPOSED WATER METER
	EXISTING WATER METER
	EXISTING WATER VALVE
	PROPOSED BFP DEVICE
	EXISTING SAN SEWER MH
	EXISTING FIRE HYDRANT

REVISIONS	DESCRIPTION
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[illegible]

# ZEPHYR ENGINEERING

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CA# 31158



**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 8/29/23

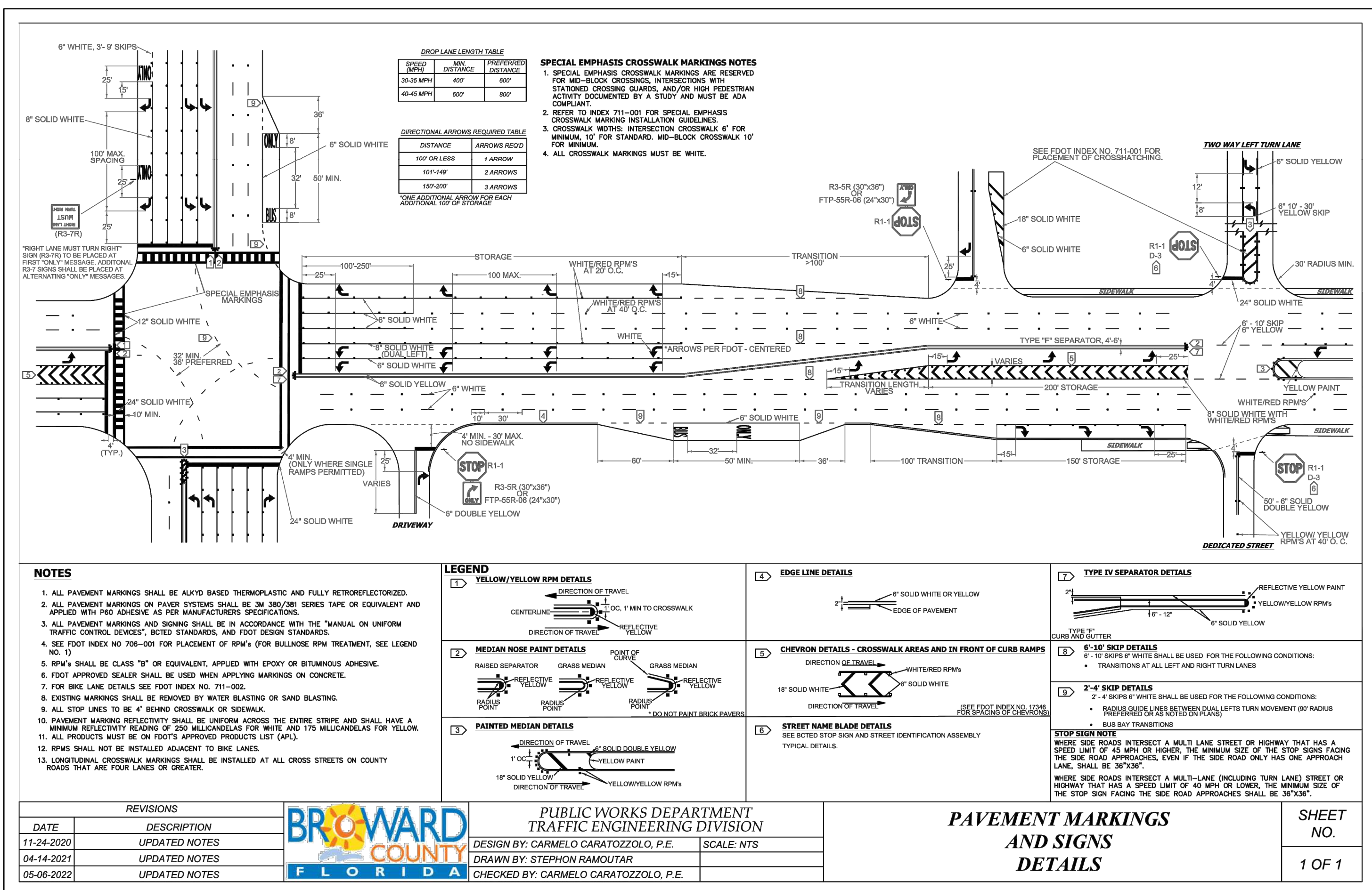
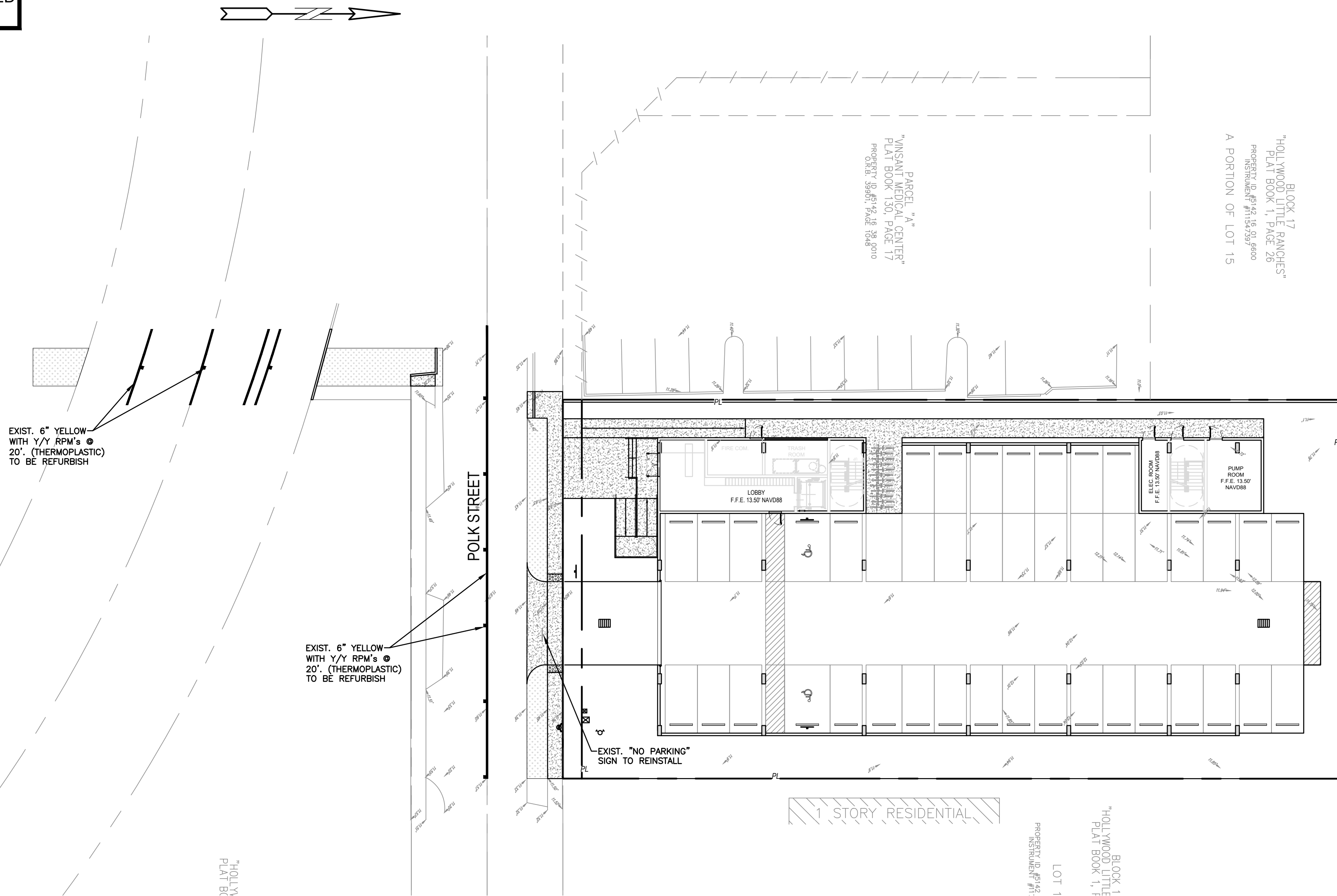
SCALE: 1"=20'

**SHEET NO.:** 00

60

8 OF 11

PROCESSES: NEW 23 70



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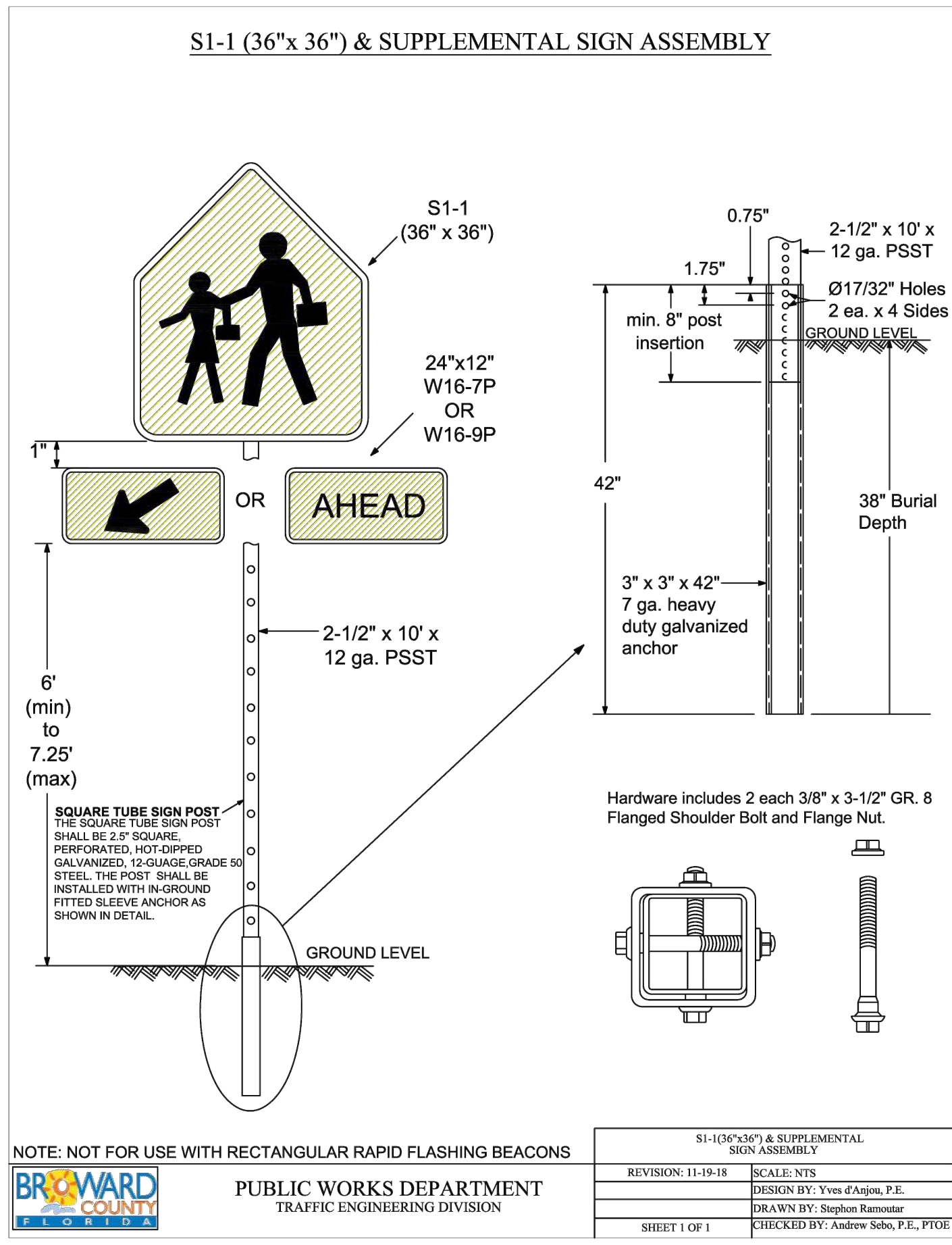
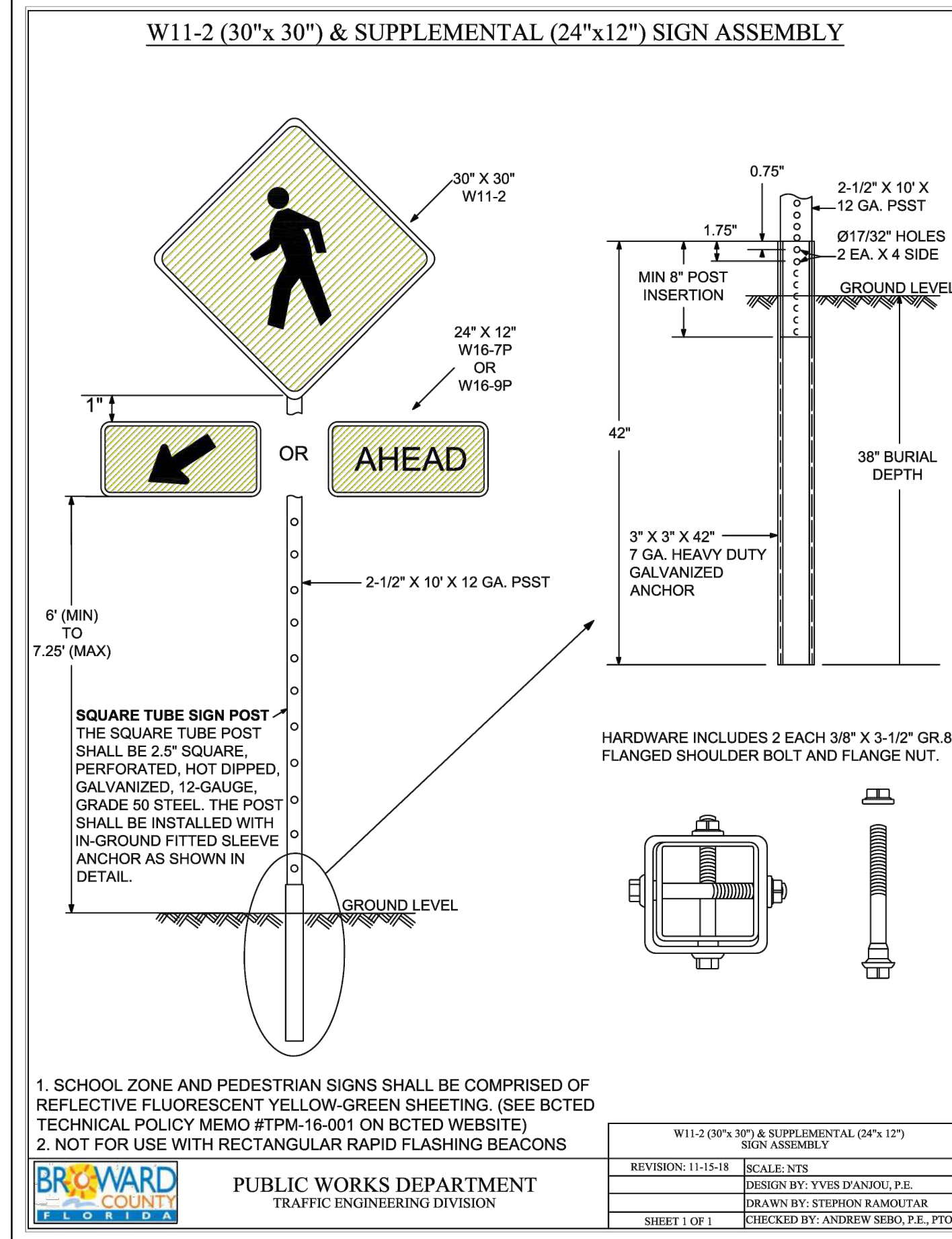
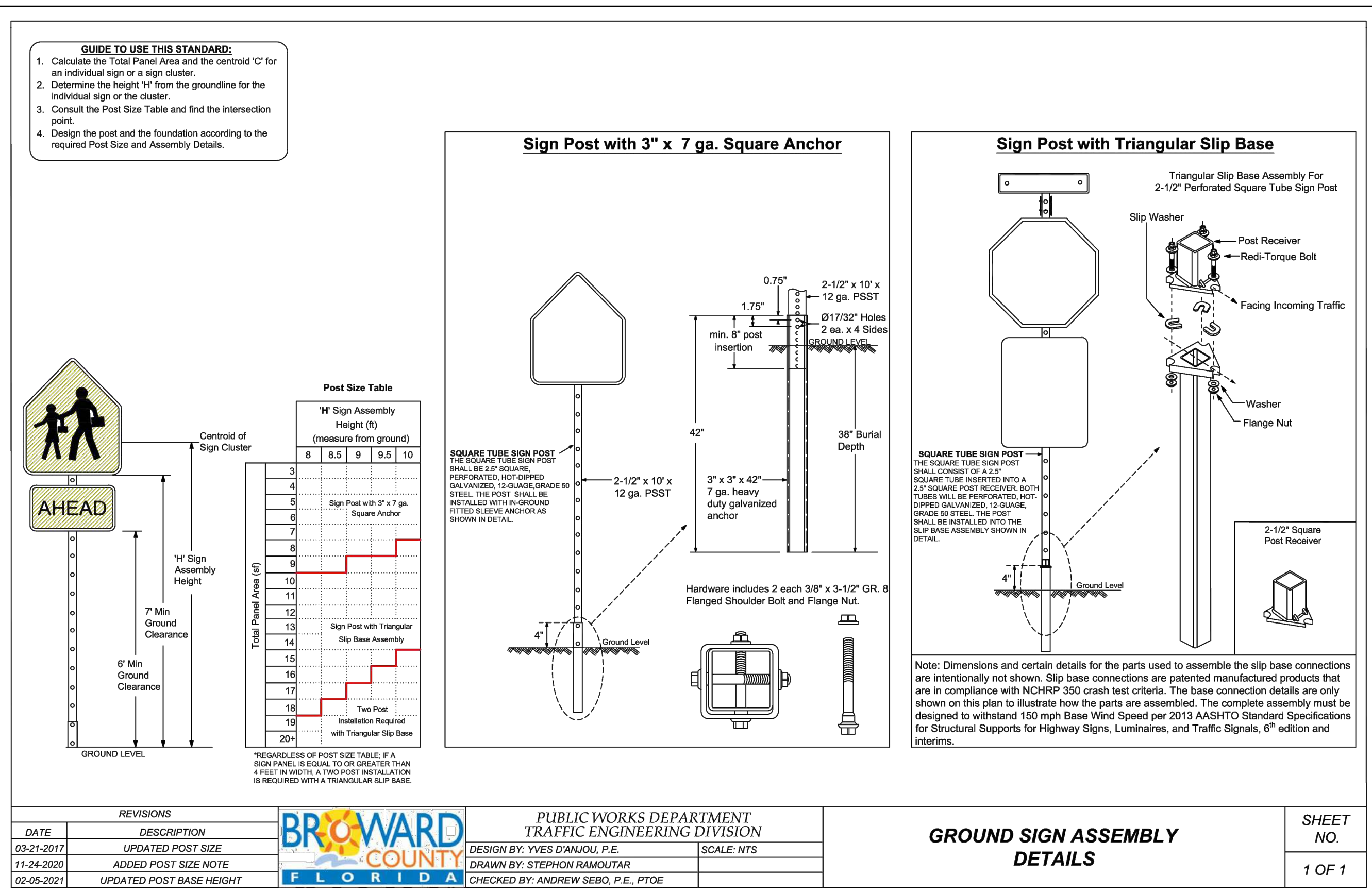
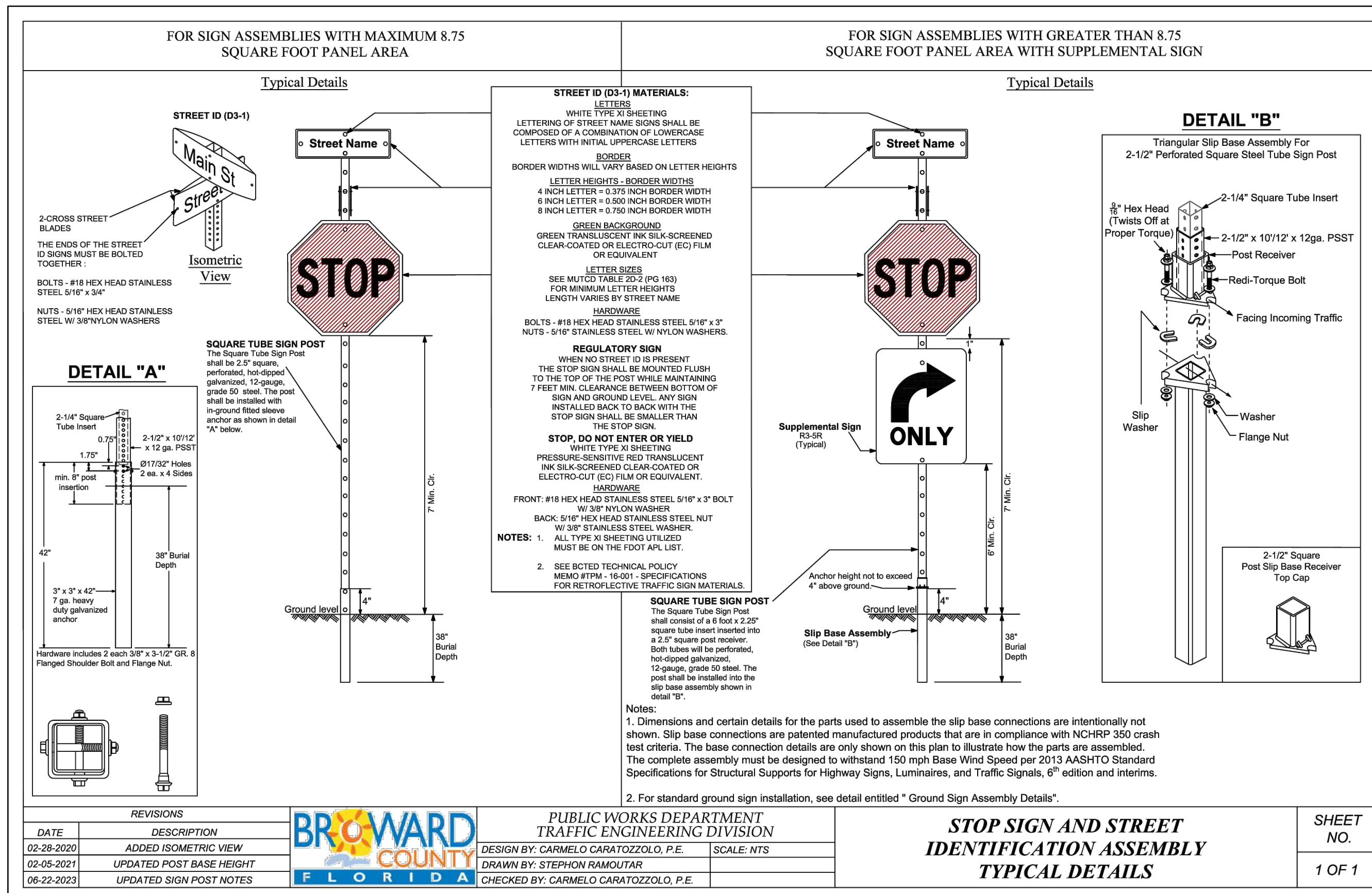
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## R.O.W. PMS PLAN & DETAILS

SCALE: 1"=20'



BCTED NO. XXXXXXXX



A circular professional engineer license seal. The outer ring contains the text "WILFORD ZEPHYR" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No 76036" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. Below the seal, the date "9-1-23" is printed.

9-1-23

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## R.O.W. PMS DETAILS

SCALE: N.T.S.

[illegible]

# ZEPHYR ENGINEERING

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**W  
N**

**POLK STREET APARTMENTS**  
2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#:76036

**DATE: 8/29/23**

SCALE: N.T.S.

**SHEET NO.:** 00

69

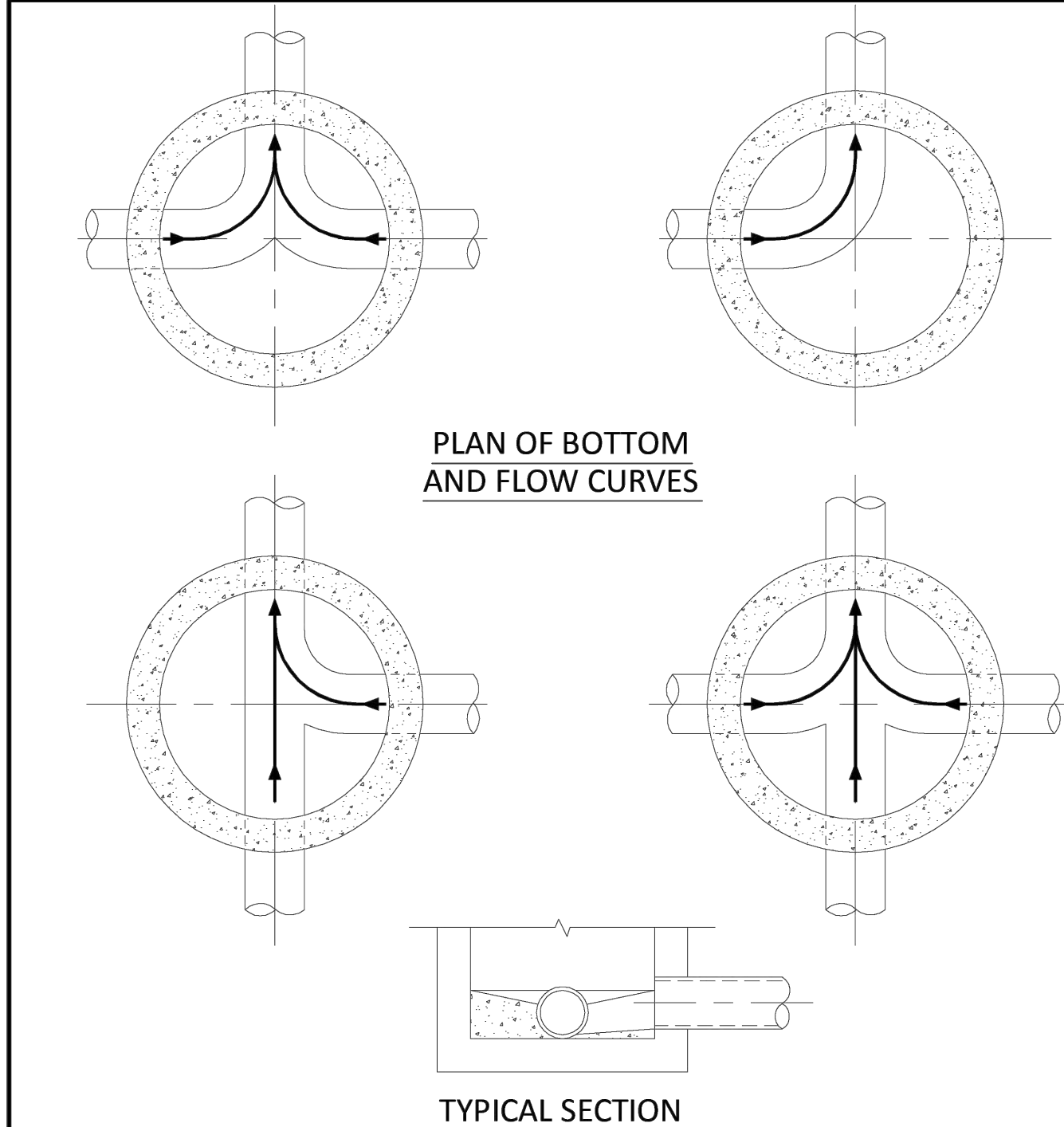
9 OF 10

PROJECT NO.:





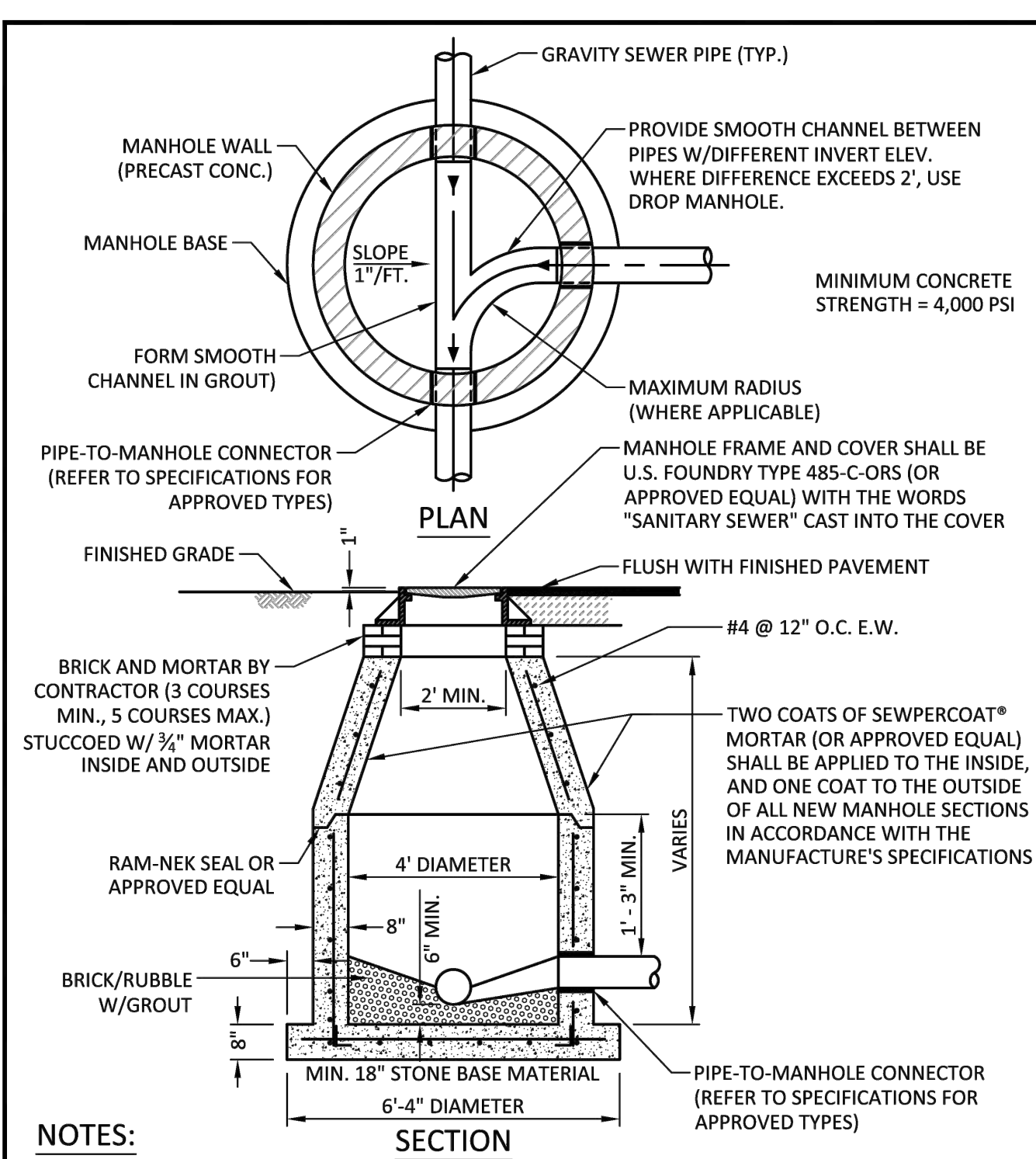




**NOTES:**

1. INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
2. SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING SMOOTH FLOWS.
3. CHANNELS FOR FUTURE CONNECTIONS (STUBS) SHALL BE CONSTRUCTED FILLED WITH SAND & COVERED WITH 1" OF MORTAR.
4. WHEN FLOW LINE DEFLECTS MORE THAN 45°, A DROP OF 0.10' IS REQUIRED.

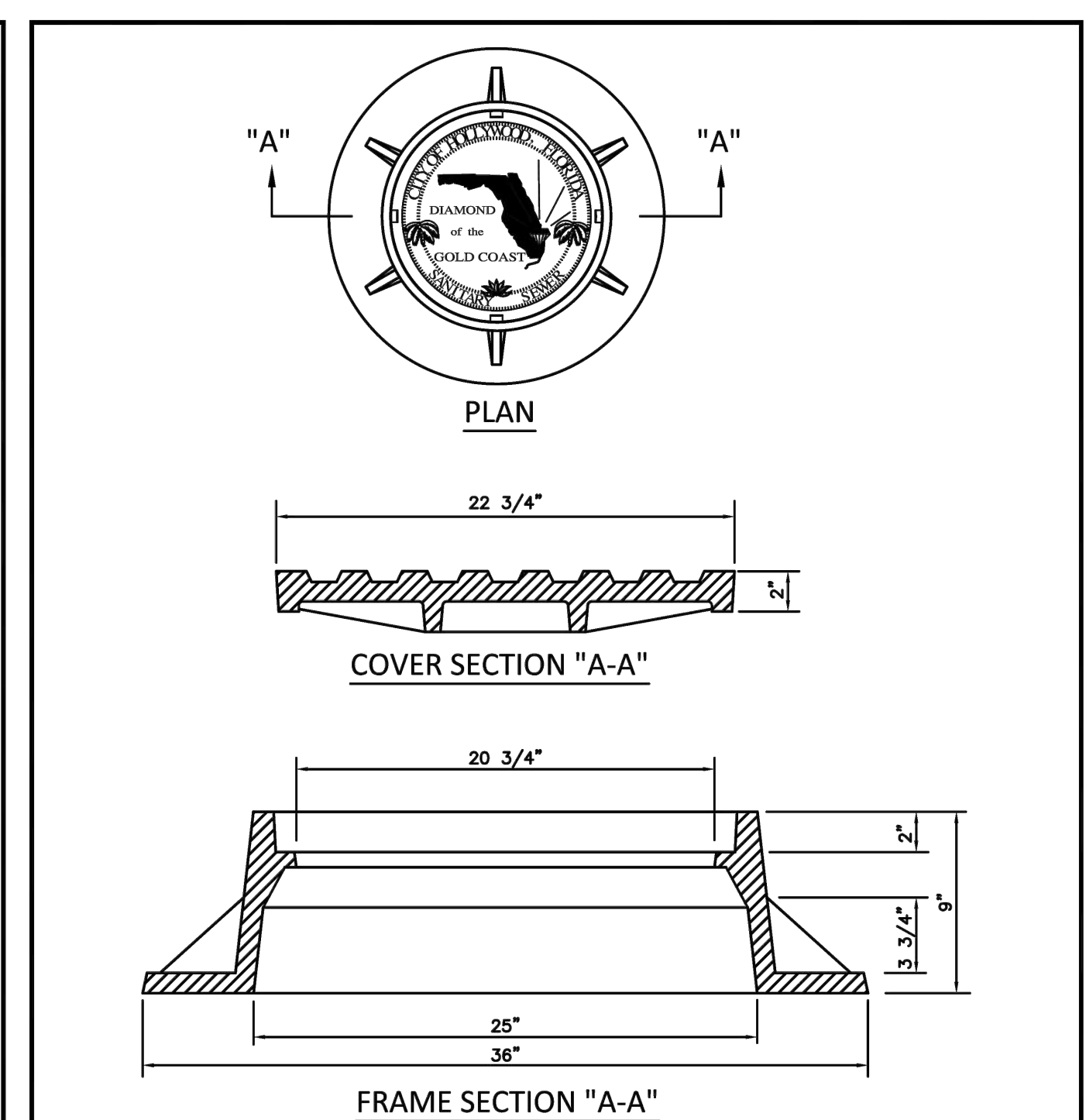
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DRAWN: EAM			DRAWING NO.
APPROVED: XXX		MANHOLE FLOW PATTERNS	S-02



**NOTES:**

1. SHOP DRAWINGS SHOWING ALL DIMENSIONS, INCLUDING CONCRETE REINFORCEMENT AND BUOYANCY, SHALL BE SUBMITTED TO THE CITY PRIOR TO INSTALLATION.
2. THE BOTTOM SLAB SHALL BE CAST MONOLITHICALLY WITH THE LOWER WALL SECTION TO A MINIMUM OF 3' ABOVE SLAB BASE.
3. NO CONSTRUCTION JOINTS ARE ALLOWED BELOW ELEVATION +2.00 NAVD. ABOVE ELEVATION +2.00 NAVD CONSTRUCTION JOINTS ARE ALLOWED, IF ADEQUATE JOINTS WITH KEY-WAYS AND WATER STOPS ARE PROVIDED. SUBMIT SHOP DRAWINGS OF JOINT DETAILS TO THE ENGINEER FOR APPROVAL.

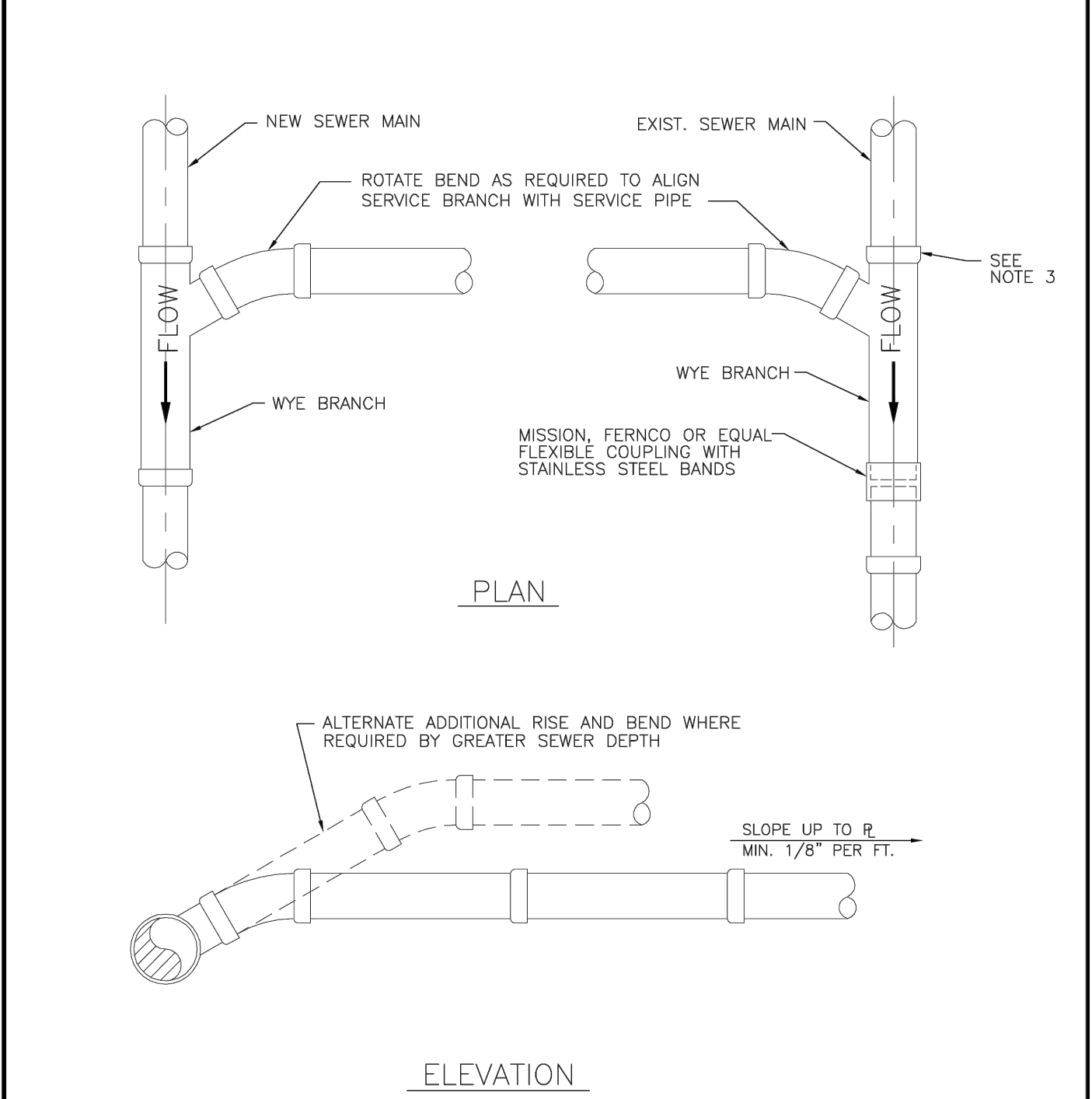
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 07/18/2018
DRAWN: EAM			DRAWING NO.
APPROVED: XXX		STANDARD PRECAST MANHOLE	S-03



**NOTES:**

1. LETTERS ON COVER TO BE 3/8" HIGH, 1/4" TO 5/16" THICK AND FLUSH WITH TOP OF COVER.
2. ALL BEARING SURFACES TO BE MACHINED.
3. MINIMUM WEIGHTS: COVER - 160 LBS., TOTAL - 400 LBS.
4. MANHOLE FRAME AND COVER SHALL BE U.S. FOUNDRY 485-C-ORS TYPE EL, WITH THE WORDS "SANITARY SEWER" CAST INTO THE COVER.

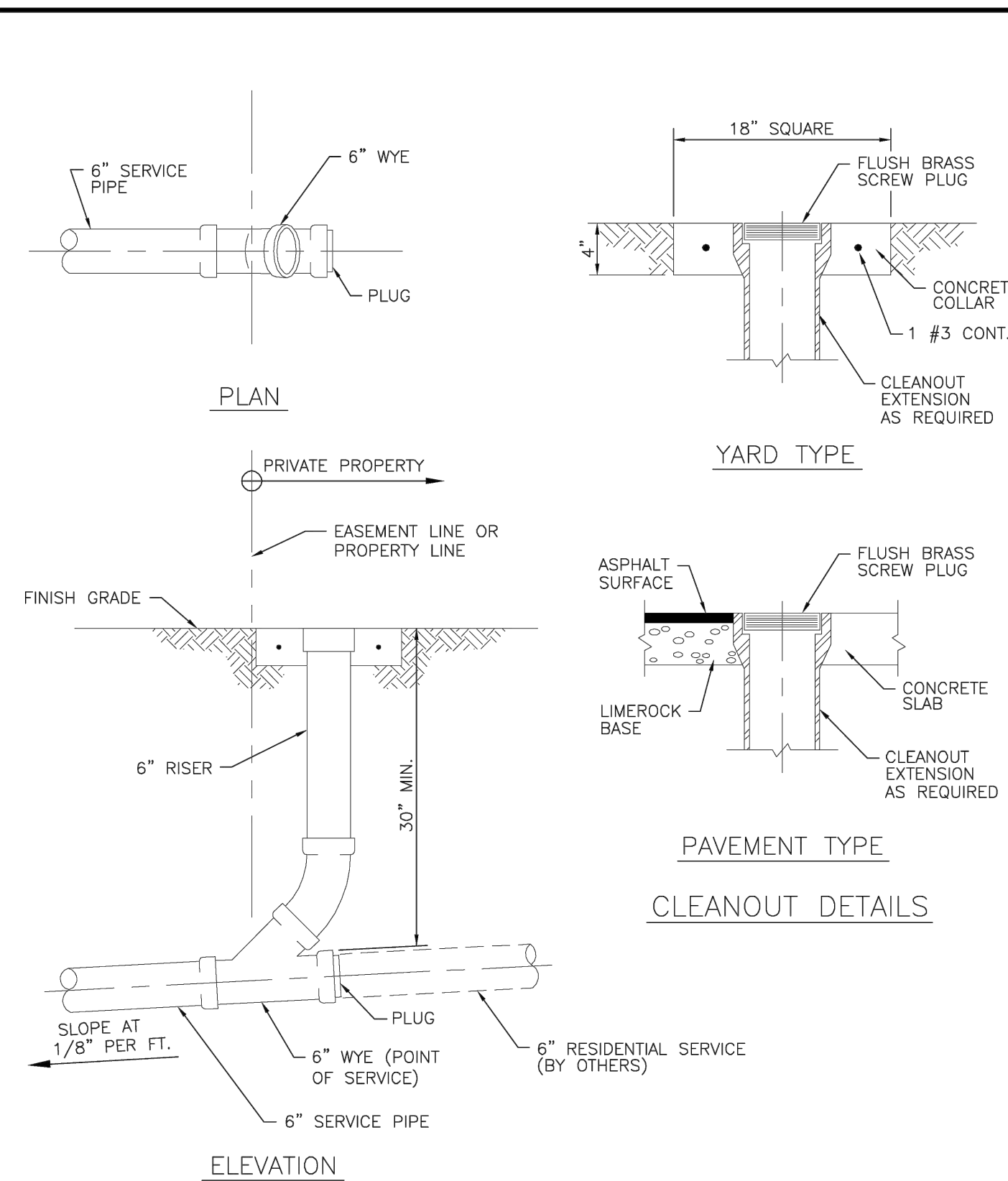
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM			DRAWING NO.
APPROVED: XXX		MANHOLE FRAME AND COVER CITY OF HOLLYWOOD	S-06.1



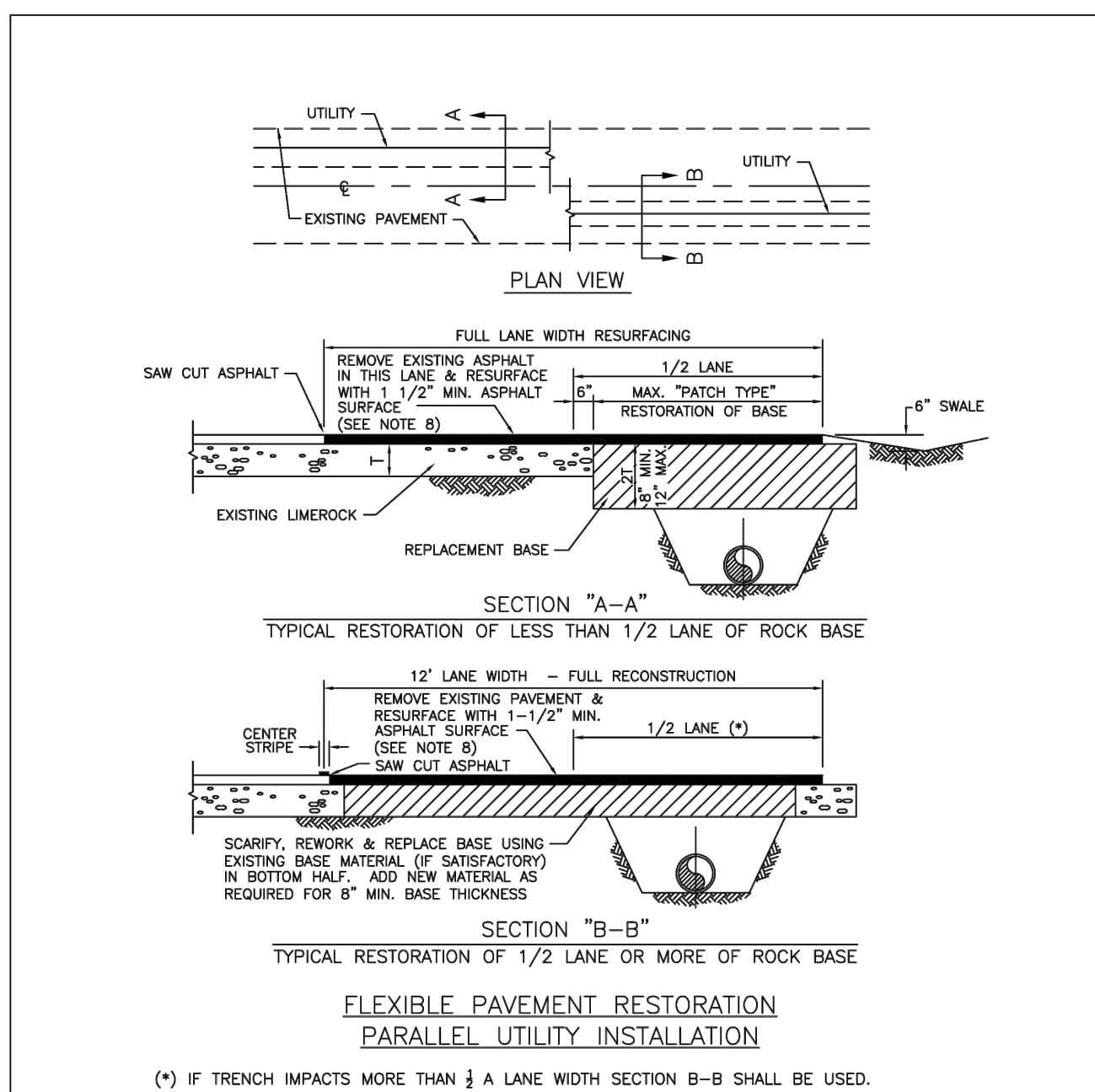
**NOTES:**

1. SINGLE SERVICE CONNECTIONS SHALL USE 6" PIPE AND FITTINGS.
2. USE RISER CONNECTIONS WHERE INVERT OF SEWER IS GREATER THAN 7'-0" DEEP.
3. WHERE BELL OF WYE AND SPIGOT OF EXISTING MAIN ARE NOT COMPATIBLE, USE A SECOND FLEXIBLE COUPLING.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM			DRAWING NO.
APPROVED: XXX		WYE BRANCH CONNECTION	S-09



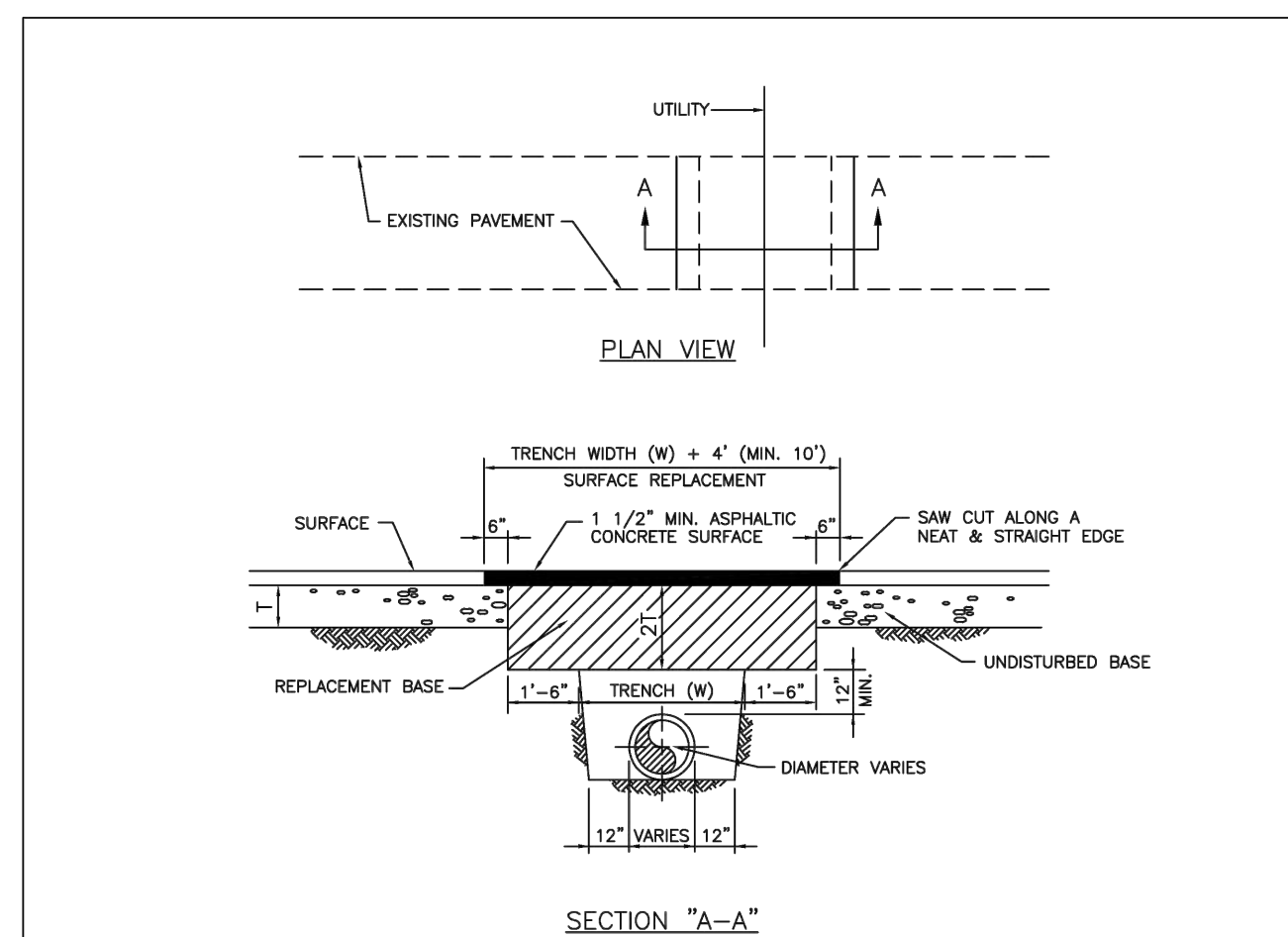
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM			DRAWING NO.
APPROVED: XXX		SEWER SERVICE CONNECTION AND CLEANOUT AT PROPERTY LINE	S-12



**NOTES:**

1. BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%.
2. BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM THICKNESS LAYERS WITH EACH LAYER COMPACTED AS REQUIRED AND TESTED PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
3. SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
4. BACKFILL SHALL BE PLACED AND COMPACTED IN 6" LAYERS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
5. ALL EDGES OF EXISTING ASPHALT PAVEMENT WHERE RESURFACING WILL ABUT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
6. RESURFACING MATERIAL SHALL BE OF THE SAME MIX AS THE EXISTING SURFACE AND SHALL BE APPLIED A MINIMUM OF 1-1/2" INCHES IN THICKNESS.
7. FULL ROAD WIDTH RESURFACING MAY BE REQUIRED. SEE PLANS.

	ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
DRAWN: EG			DRAWING NO.:
APPROVED: JG		FLEXIBLE PAVEMENT RESTORATION PARALLEL UTILITY INSTALLATION	C-30



**NOTES:**

1. REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE, MINIMUM 12", MAXIMUM 18".
2. BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-155.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPELLED AND FEATHERED.
5. SURFACE MATERIAL SHALL BE CONSISTENT WITH THE EXISTING SURFACE.
6. BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%.
7. IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
8. MINIMUM PAVEMENT RESTORATION WIDTH IS 10'.

	ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: -
DRAWN: EG			DRAWING NO.:
APPROVED: JG		FLEXIBLE PAVEMENT RESTORATION PERPEND. UTILITY INSTALLATION	C-31



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**UTILITIES DETAILS II**

SCALE: N.T.S.

**REVISIONS**

NO.	DATE	DESCRIPTION

**ZEPHYR ENGINEERING**

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**POLK STREET APARTMENTS**

2543 POLK STREET  
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 8/29/23

SCALE: N.T.S.

SHEET NO.:

C11

11 OF 11

PROJECT NO.: 23-40