

ATTACHMENT A
Application Package
Part 2

1739 Washington Existing Tree / Palm List

Case/Location: 1739 Washington Street, Hollywood, FL

Date: 3/22/2023

Appraiser: Thomas White, ASLA-ISA, Arborist FL-5248A

Landscape Architect #FL1100

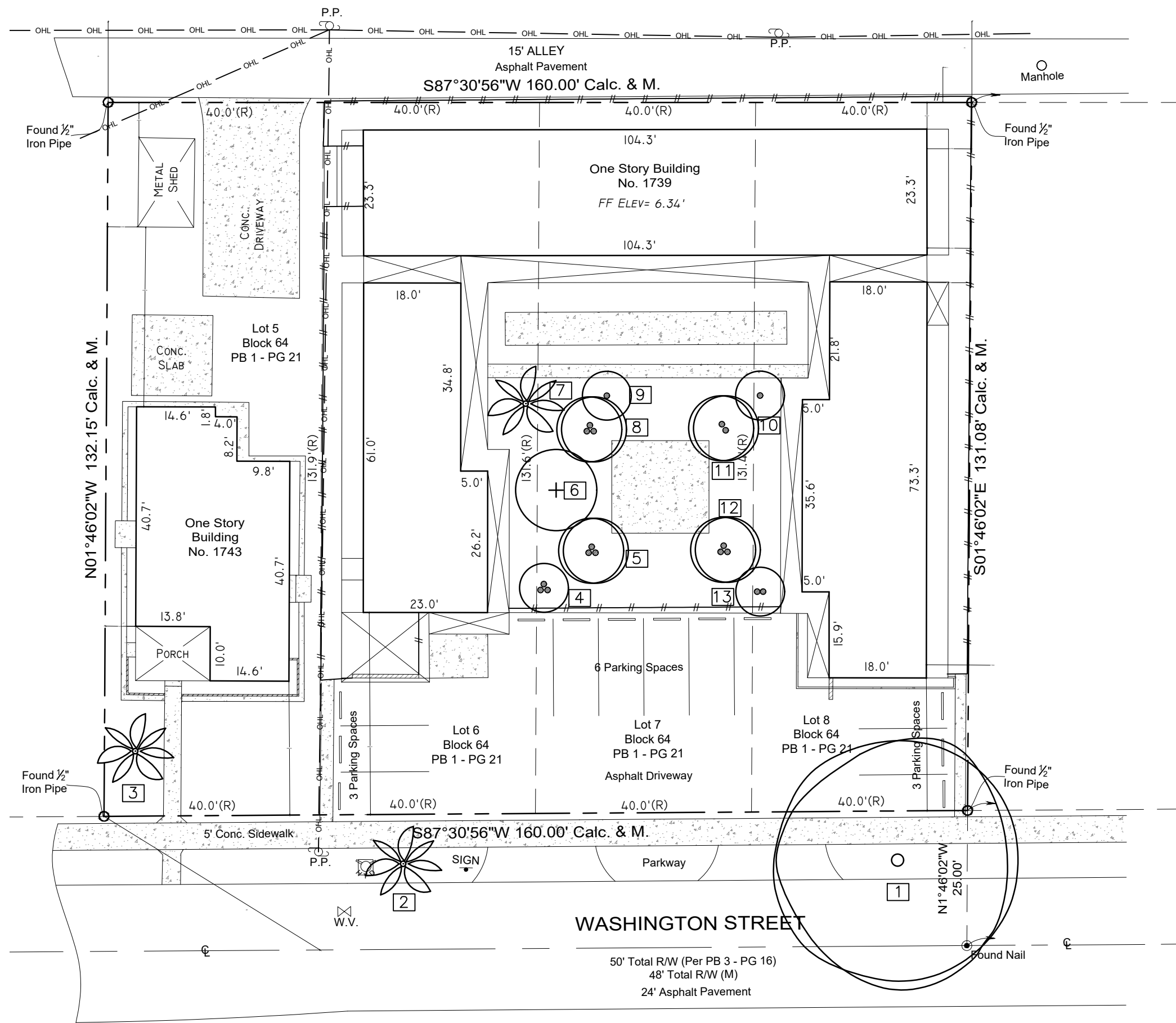
ISA Cert. Arborist #FL-5248A

Tree #	Species Botanical Name / Common Name	Ht. (Feet)	Spr. (Feet)	DBH (Inches)	Condition	DBH Removed (Inches)	Disposition
1	Quercus virginiana / Live Oak	25	45	22	Very Poor	22	Remove
6	Eriobotrya japonica / Loquat	25	18	14	Poor	14	Remove
DBH Removed						36	

Note: #1-Live Oak root system is severely compacted between the street and sidewalk creating a high level potential hazard.

Existing Palm List

Palm #	Species Botanical Name / Common Name	Ht. (Feet)	CT (Feet)	DBH (Inches)	Condition	Replacement Palms	Disposition
2	Syagrus romanzoffiana / Queen palm	25	18	8	Fair-Poor	1	Remove
3	Syagrus romanzoffiana / Queen palm	20	10	12	Good	1	Remove
4	Ptychosperma elegans / Solitaire Palm, Triple	18	12	6	Fair-Poor	1	Remove
5	Veitchia montgomeryana / Montgomery Palm, Triple	25	20	12	Good	1	Remove
7	Syagrus romanzoffiana / Queen palm	30	25	10	Very Poor	1	Remove
8	Veitchia montgomeryana / Montgomery Palm, Triple	25	20	12	Good	1	Remove
9	Adonidia merrillii / Christmas Palm	15	10	3	Good-Fair	1	Remove
10	Ptychosperma elegans / Solitaire Palm	16	12	2	Poor	1	Remove
11	Veitchia montgomeryana / Montgomery Palm, Double	20	15	8	Good	1	Remove
12	Veitchia montgomeryana / Montgomery Palm, Triple	25	20	15	Good	1	Remove
13	Adonidia merrillii / Christmas Palm, Double	16	12	3	Good-Fair	1	Remove
Replacement Palms Required						11	



THOMAS WHITE, ASLA-ISA
LANDSCAPE ARCHITECT, LEED GREEN
ASSOCIATE, CERTIFIED ARBORIST,
tcawhite@bellsouth.net
954-253-2265

REVISIONS

4-25-2023: Per City
Comments

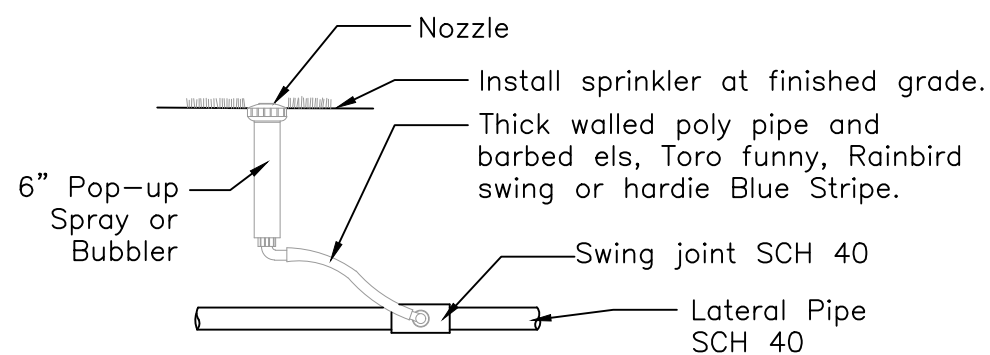
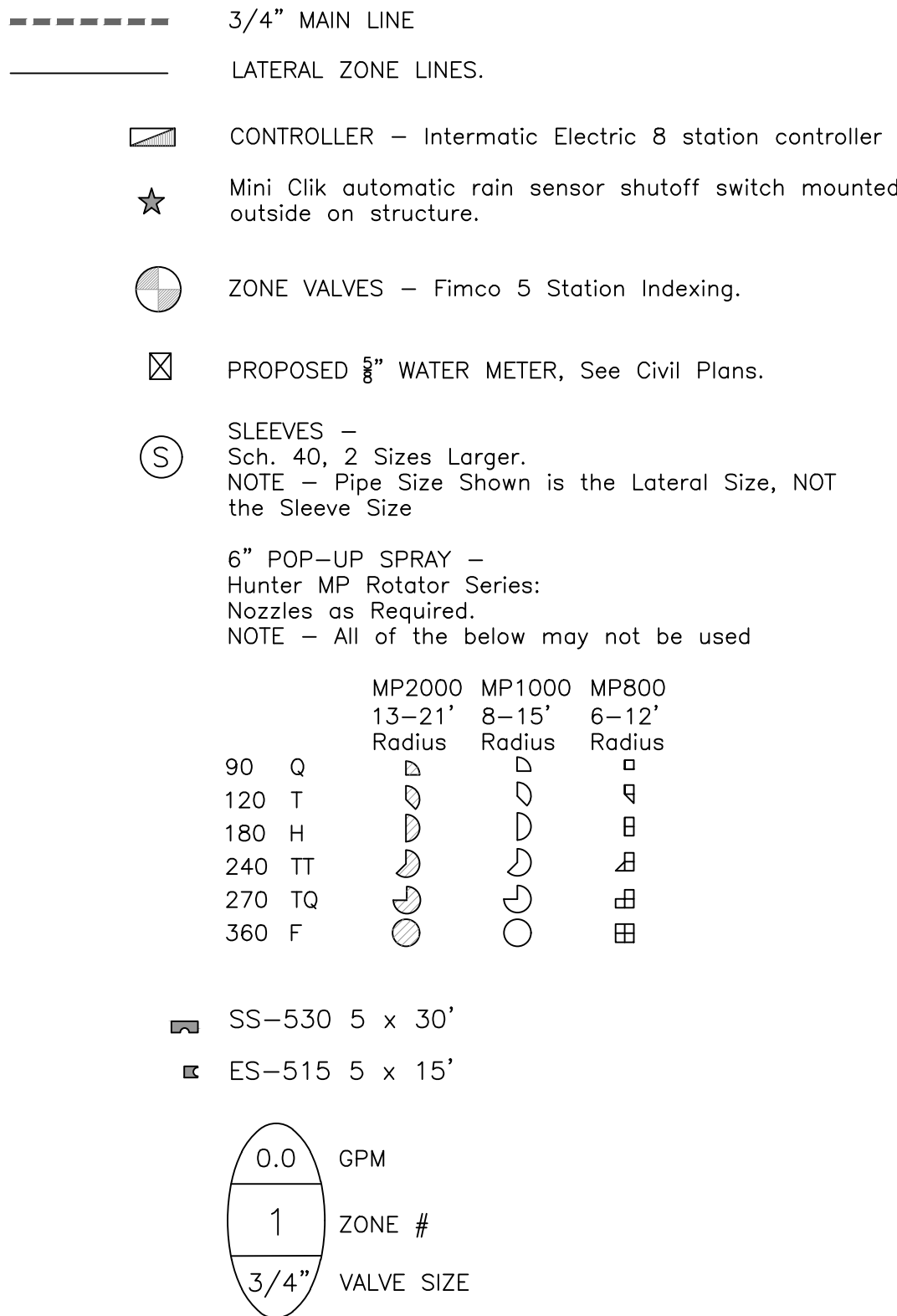
Tree Survey / Disposition Plan
Washington Street Apartments
1739 Washington Street
Hollywood, Florida 33020



DRAWN:
TW
CHECKED:
TW
DATE:
3-21-2023
SCALE: 1"=20'

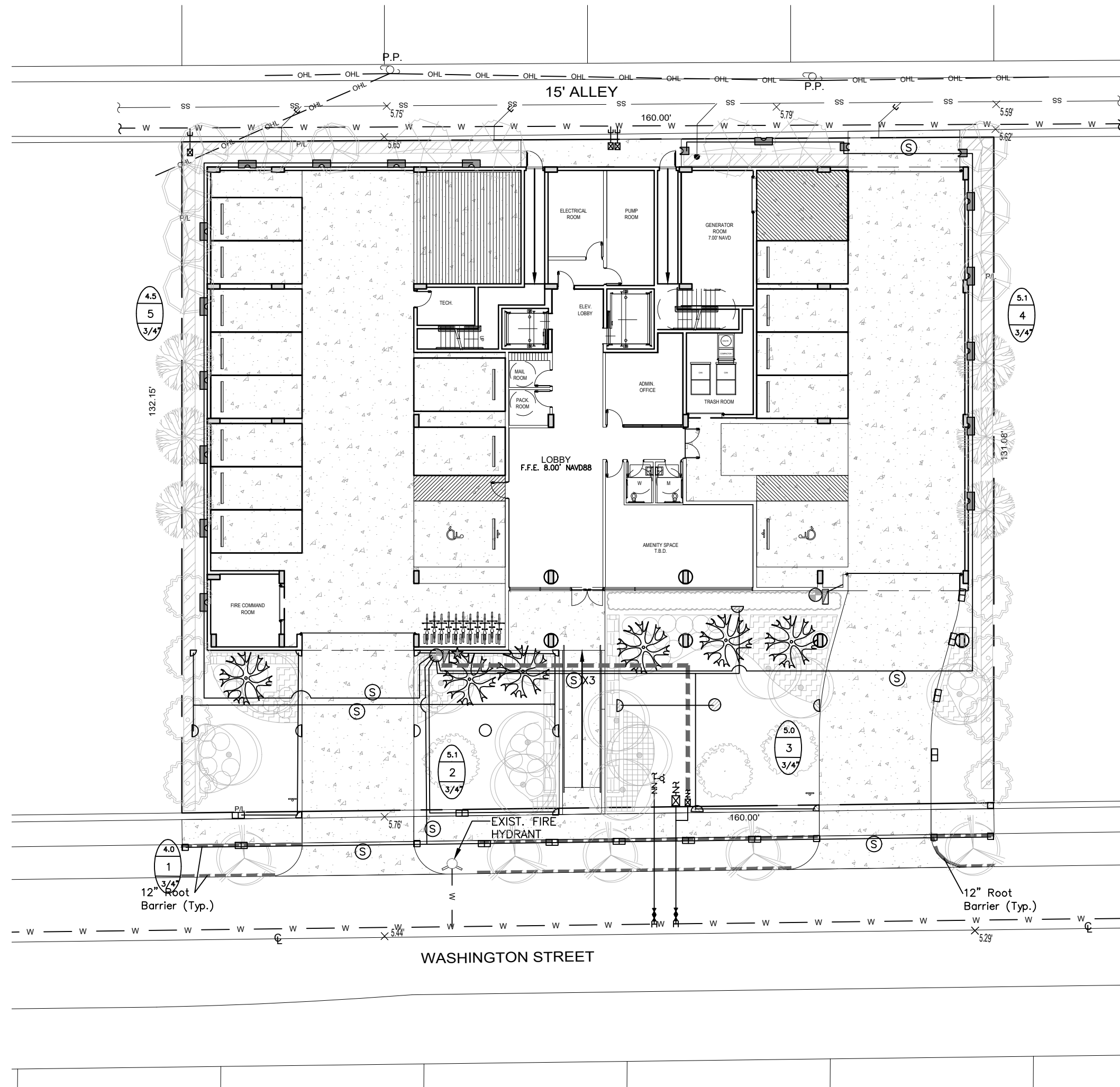
Sheet No.
L-1
Sheet 1 Of 3

IRRIGATION LEGEND:



6" Pop-up Spray / Bubbler Detail

NTS



IRRIGATION NOTES:

Piping:
Main Lines: PVC SCH 40 Solvent Weld.
Zone Lines: PVC SCH 40 Solvent Weld. 1/2 in. is not used.
All pipe is 3/4 in.
Sleeves and suction Line: PVC SCH 40.

Fittings: SCH 40 PVC

Fabrication: To manufacturers specifications. Use blue or grey PVC cement, square cut, clean and prime all joints.

Allow all main lines to cure for 24 hours before pressuring.

All pipe, fittings, and solvents to conform to latest ASTM specs.

Depth of Lines: Main Line and wiring = 18 in. depth, min.
Sleeving under pavement = 24 in. depth, min.
Suction Line = 24 in. depth, nominal.
Zone Lines 1-1/2 in. and smaller = 15 in. depth, min.

Control Wires: AWG 14 for all hot wires and AWG 12 for common.
Solid copper type UF UL listed for direct burial.
Run wires under main.
Run spares, two min.
Splice wires only in a valve box. All splices shall be moisture proof using Snap tite or DBY UL connectors.
Common shall be white, hot shall be red or color coded
Spare shall be black. Run all wires in Grey Electrical SCH 40 conduit..

Backfill all trenches free of debris, compact to original density, flush all lines, use screens in all heads, adjust heads for proper coverage avoiding excess water on walls, walks, etc.

All details are graphically shown only. All quantities shall be verified by the contractor prior to installation. It shall be the contractors responsibility to assure complete overlapping coverage. Any discrepancies shall be reported to the owner and landscape architect before proceeding. Codes and local regulations shall take precedence over these plans, it is the contractors responsibility to comply. The landscape architect reserves the right to make minor field changes, the contractor may field adjust spray nozzle selection to provide for proper 100% min. coverage.

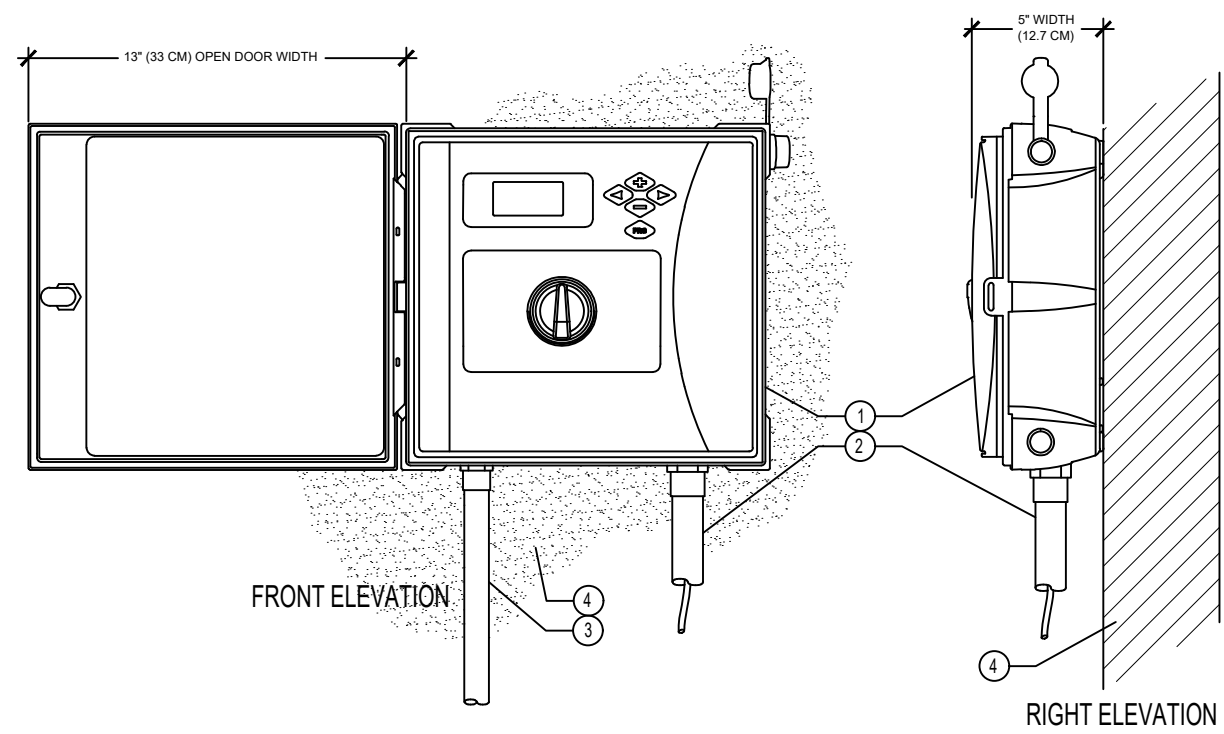
Provide owner with an accurate as installed plan(s) at completion showing main lines, wiring, valves, crossings, etc. using dimensions from fixed datums.

Contractor shall verify all underground utilities prior to commencement of work.

LEGEND:

- IRRIGATION CONTROLLER
- IRRIGATION CONTROL WIRE IN CONDUIT
SIZE AND TYPE PER LOCAL CODES
- ELECTRICAL SUPPLY CONDUIT
CONNECT TO POWER SOURCE, J-BOX INSIDE CONTROLLER
- ADJACENT SURFACE TO MOUNT CONTROLLER PER PLAN
- WIRELESS RAIN SENSOR

NOTE
MOUNT CONTROLLER LCD SCREEN AT EYE LEVEL. CONTROLLER
SHALL BE HARD-WIRED TO GROUND/ED 110 VAC POWER SOURCE



IRRIGATION CONTROLLER and RAIN CLIK SENSOR

NTS

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REVISIONS

Washington Street Apartments

1739 Washington Street

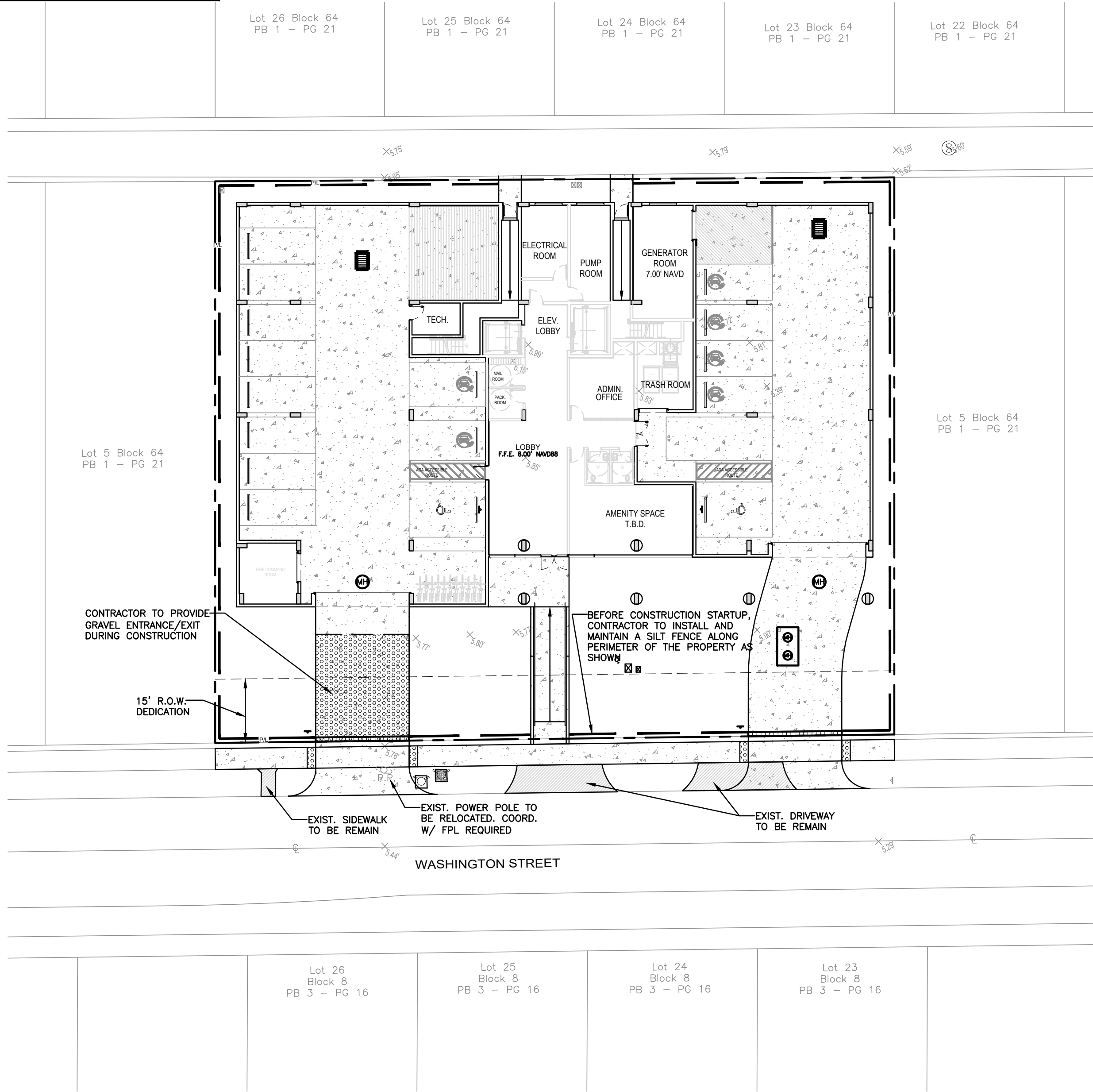
Hollywood, Florida 33020



DRAWN:
TW
CHECKED:
TW
DATE:
3-21-2023
SCALE: 1"=20'

Sheet No.
L-3
Sheet 3 Of 3

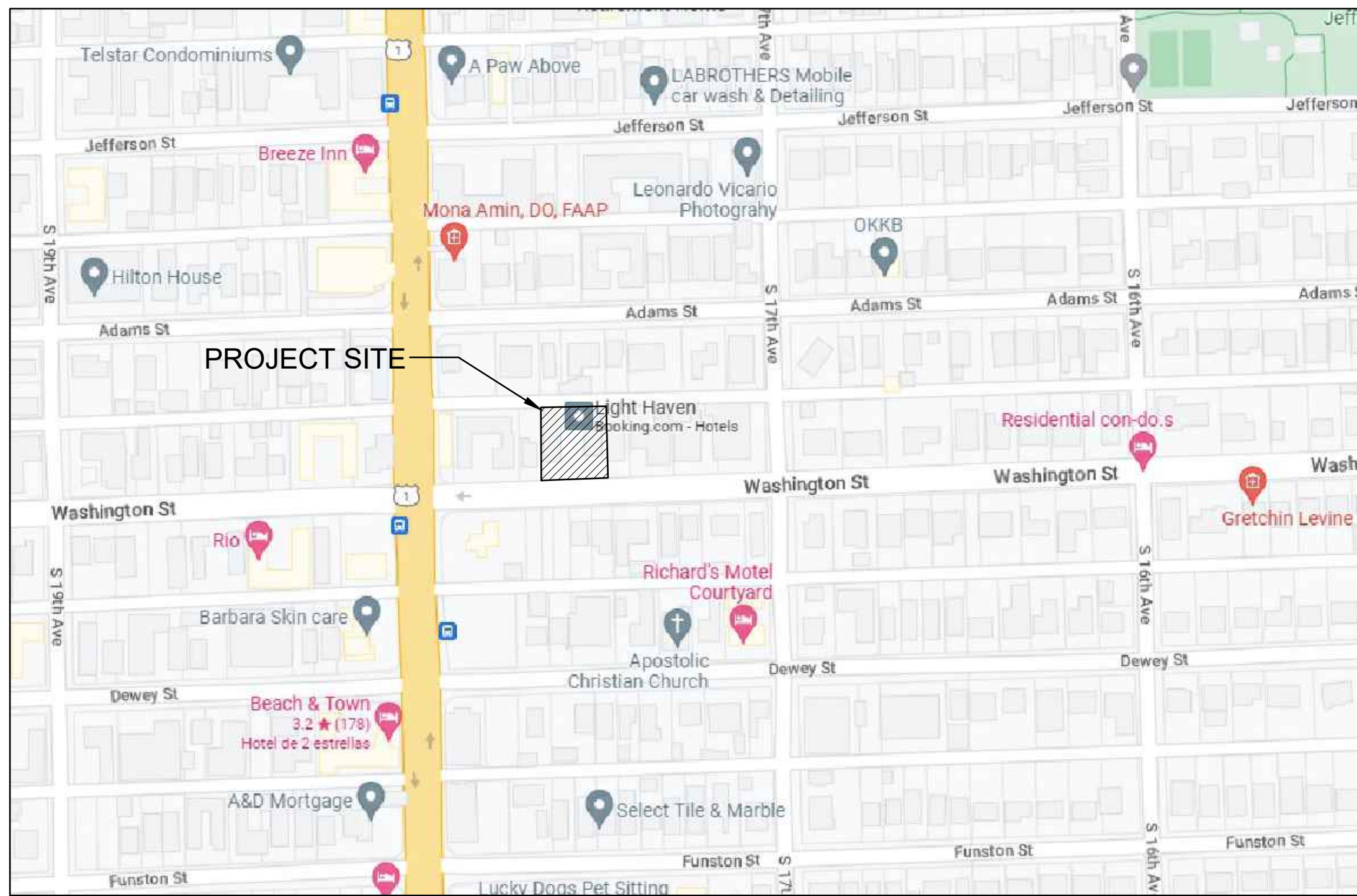
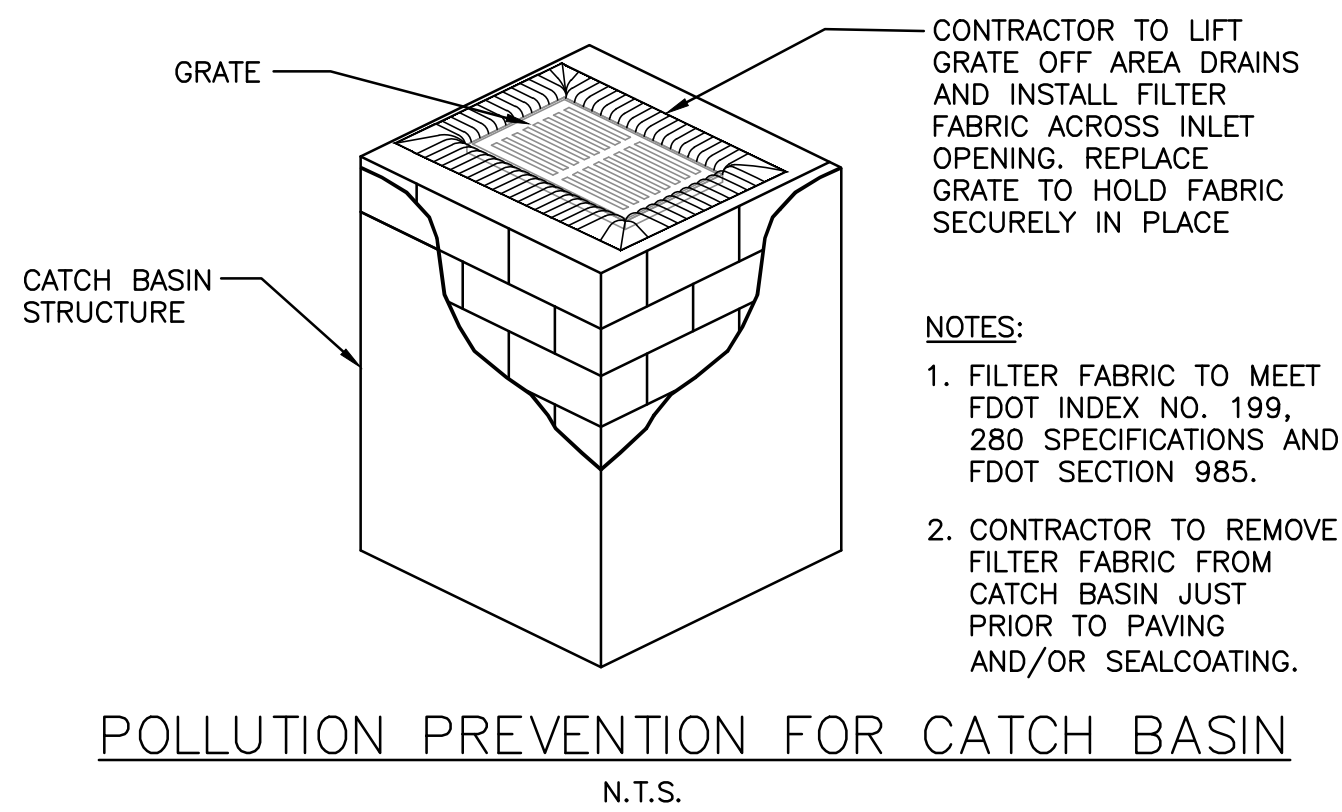
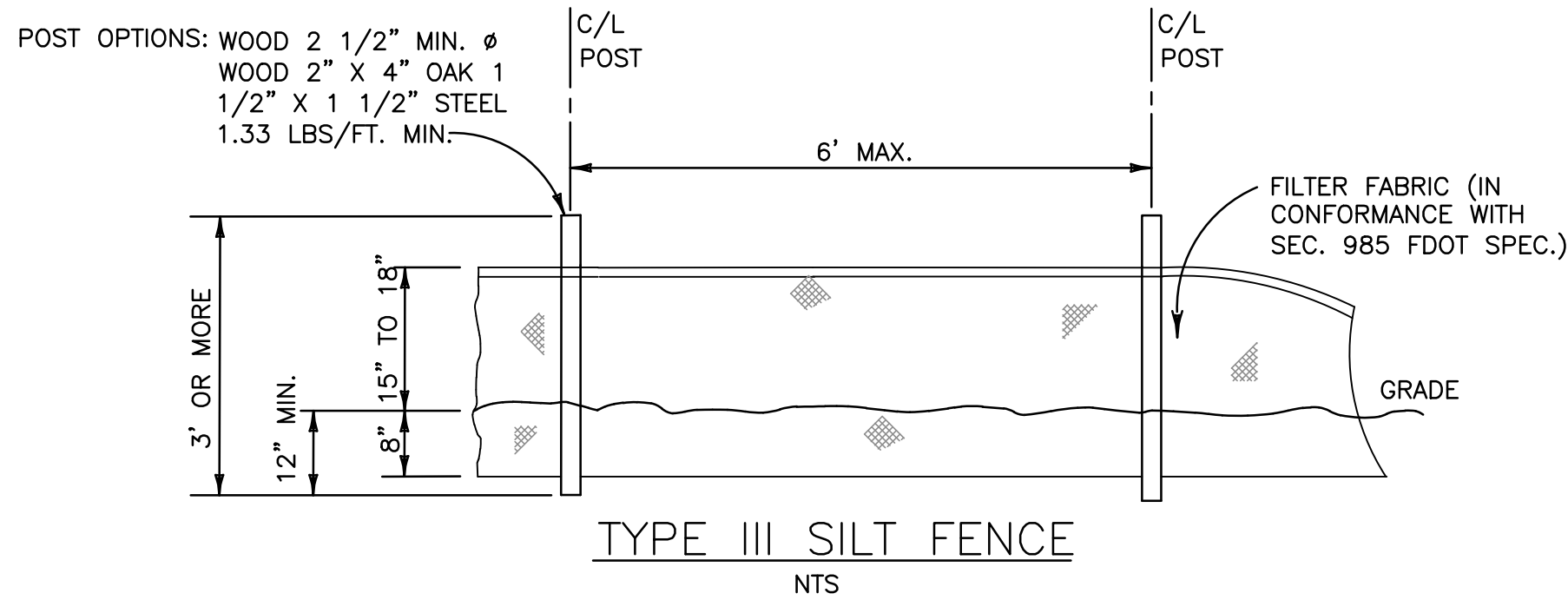
ALL ELEVATIONS ARE REFERENCED
TO NAVD88 VERTICAL DATUM



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.

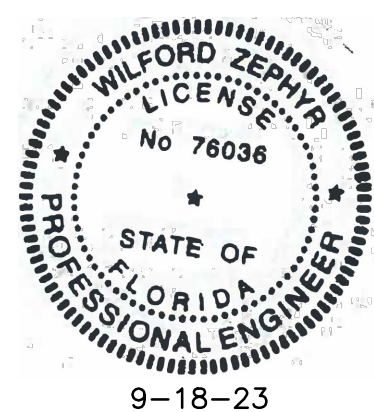
LEGEND		
	PROPOSED CONCRETE	
	PROPOSED ASPHALT	
	PROPOSED GRADE	
	EXISTING ELEVATION	
	PROPOSED CATCH BASIN	
	EXISTING CATCH BASIN	
	PROPOSED WATER METER	
	EXISTING WATER METER	
	EXISTING WATER VALVE	
	PROPOSED BFP DEVICE	
	EXISTING SAN. SEWER MH	
	EXISTING FIRE HYDRANT	



LOCATION MAP
NOT TO SCALE

EROSION & SEDIMENT CONTROL PLAN

SCALE: 1"=10'



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
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REVISIONS		
NO.	DATE	DESCRIPTION
1	4-26-23	TAC REVIEW COMMENTS

ZEPHYR ENGINEERING

ZE

WASHINGTON STREET
APARTMENTS
1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 2/21/23

SCALE: 1"=20'

SHEET NO.:

C1

1 OF 8

PROJECT NO.: 23-08

ALL ELEVATIONS ARE REFERENCED
TO NAVD88 VERTICAL DATUM

NOTE:
UPON SUBSTANTIAL COMPLETION OF SITE WORKS, RESTORE ALL CURBS AND BOULEVARDS ON WASHINGTON ST. AND PUBLIC ALLEY TO EXISTING CONDITION OF BETTER, AND MILL AND REPLACE A MINIMUM 1" DEEP ASPHALT ON WASHINGTON ST. AND PUBLIC ALLEY FROM CURB TO CURB ALONG THE ENTIRE FRONTAGE OF THE PROPOSED DEVELOPMENT.

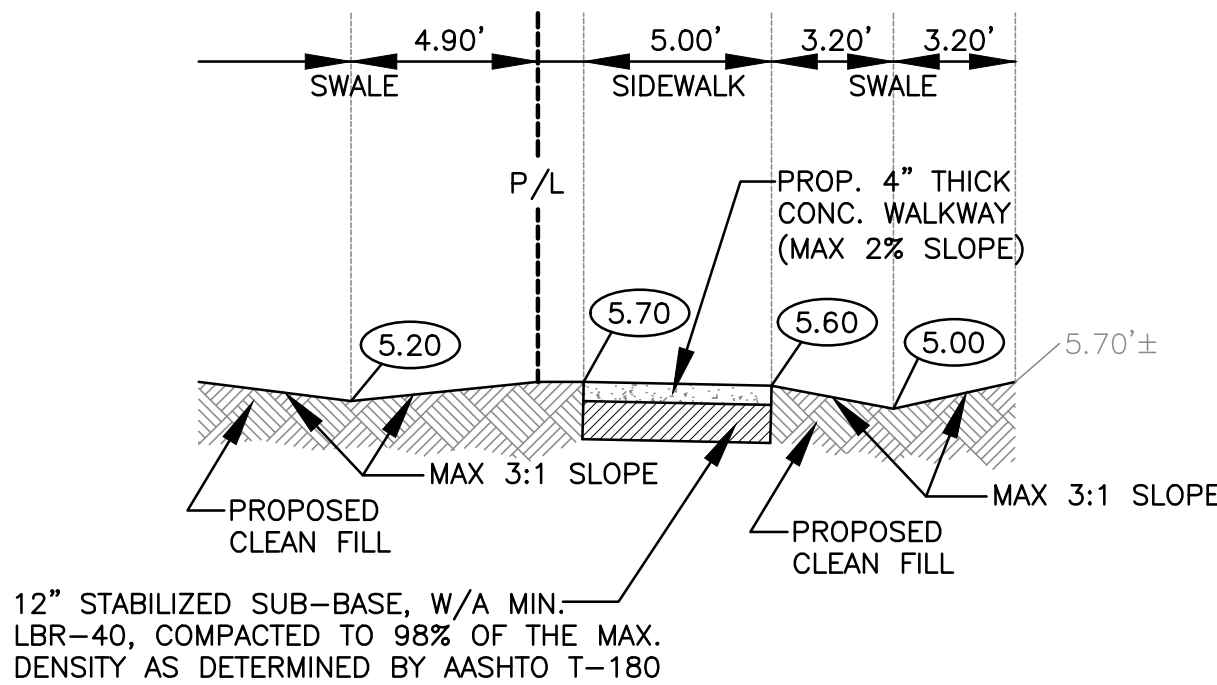
FLOODPROOFING NOTE:
GENERATOR ROOM TO BE DRY FLOODPROOFED TO ELEVATION 8.00' NAVD88 IN ACCORDANCE TO ASCE 24 STANDARDS

NOTE:
ANY LIP FROM 1/4" BUT NOT GREATER THAN 1/2" WILL BE BEVELED TO MEET ADA REQUIREMENTS.

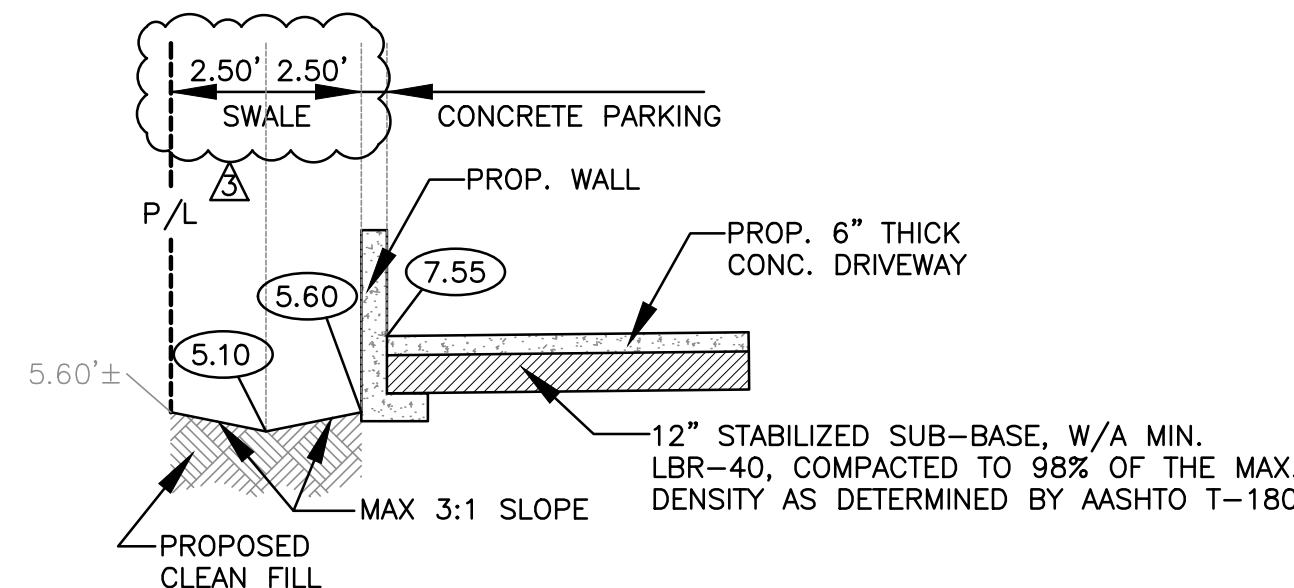
- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED ASPHALT
 - PROPOSED GRADE
 - EXISTING ELEVATION
 - PROPOSED CATCH BASIN
 - EXISTING CATCH BASIN
 - PROPOSED WATER METER
 - EXISTING WATER METER
 - EXISTING WATER VALVE
 - PROPOSED BFP DEVICE
 - EXISTING SAN. SEWER MH
 - EXISTING FIRE HYDRANT

NOTES:

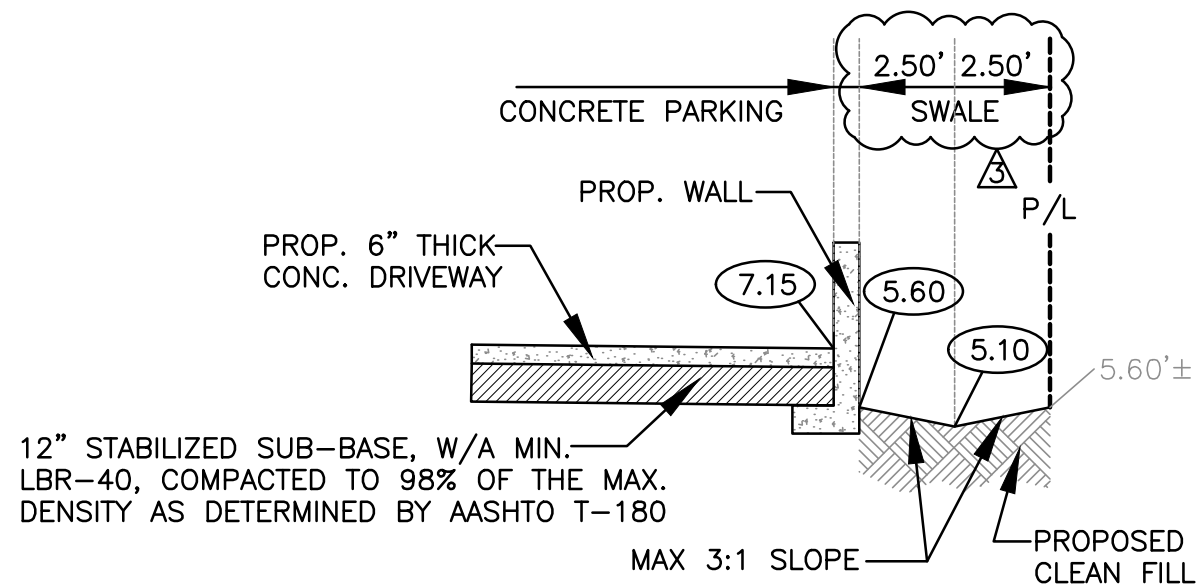
- CONTRACTOR MUST NOTIFY ZEPHYR ENGINEERING OF THE START OF CONSTRUCTION DATE PRIOR TO START OF CONSTRUCTION. ZEPHYR ENGINEERING WILL NOT CERTIFY ANY CONSTRUCTION THAT WAS NOT INSPECTED BY ZEPHYR ENGINEERING, OR ZEPHYR ENGINEERING'S AUTHORIZED REPRESENTATIVE.
- PRIOR TO CONSTRUCTION, CONTRACTOR RESPONSIBLE 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.



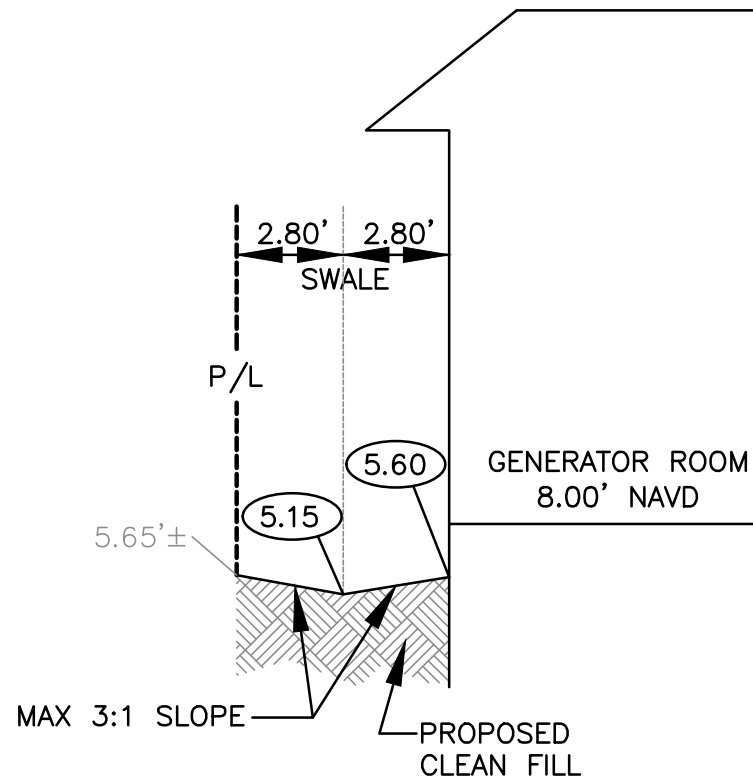
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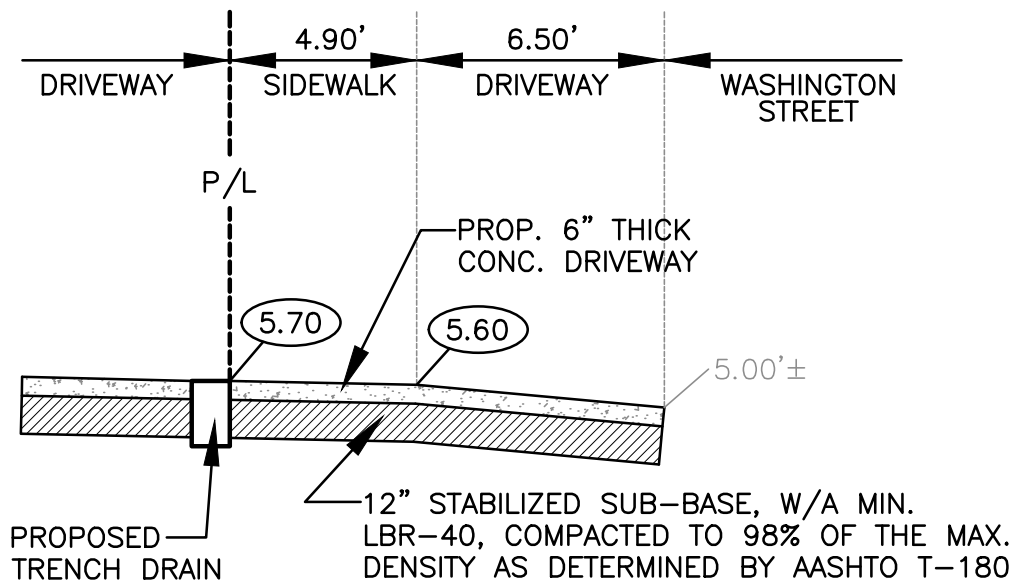
TYPICAL SECTION B-B
N.T.S.



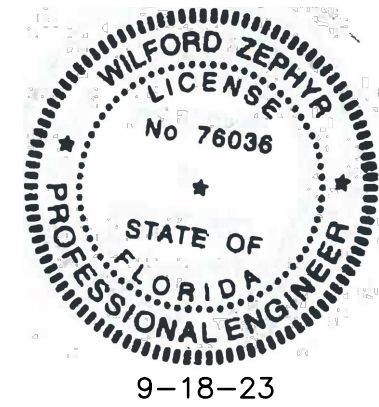
TYPICAL SECTION C-C
N.T.S.



TYPICAL SECTION D-D
N.T.S.



TYPICAL SECTION E-E
N.T.S.



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PAVING, GRADING & DRAINAGE PLAN
SCALE: 1"=20'

REVISIONS	
NO.	DESCRIPTION
1	4-26-23 TAC REVIEW COMMENTS
2	7-12-23 TAC REVIEW COMMENTS
3	9-7-23 TAC REVIEW COMMENTS

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

ZE

**WASHINGTON STREET
APARTMENTS**
1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#: 76036

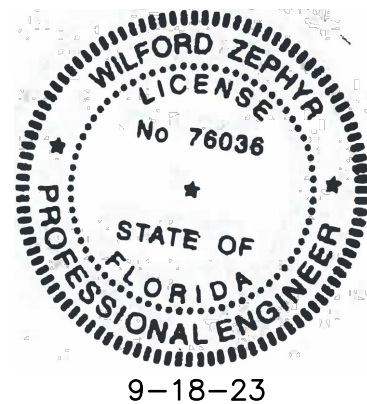
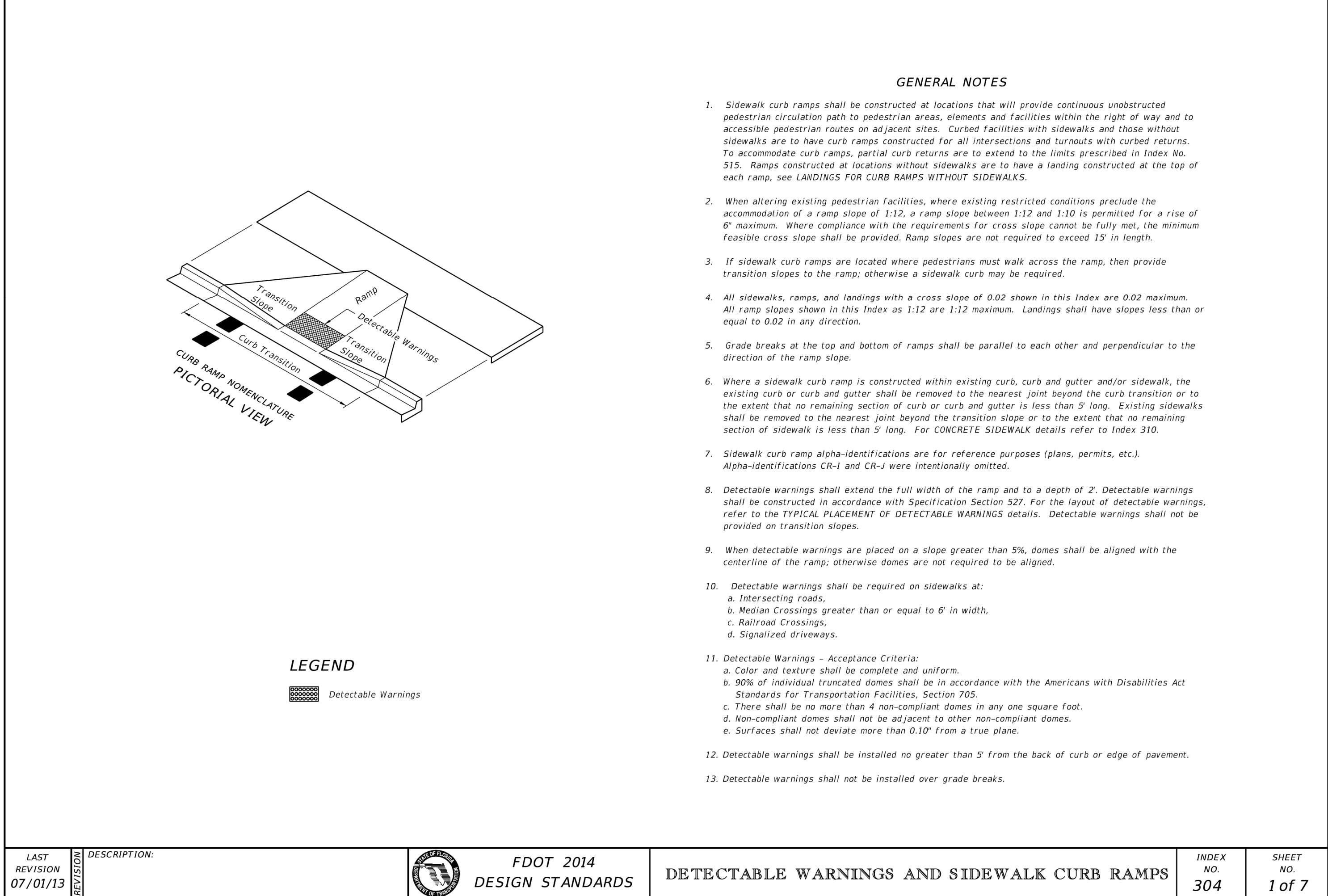
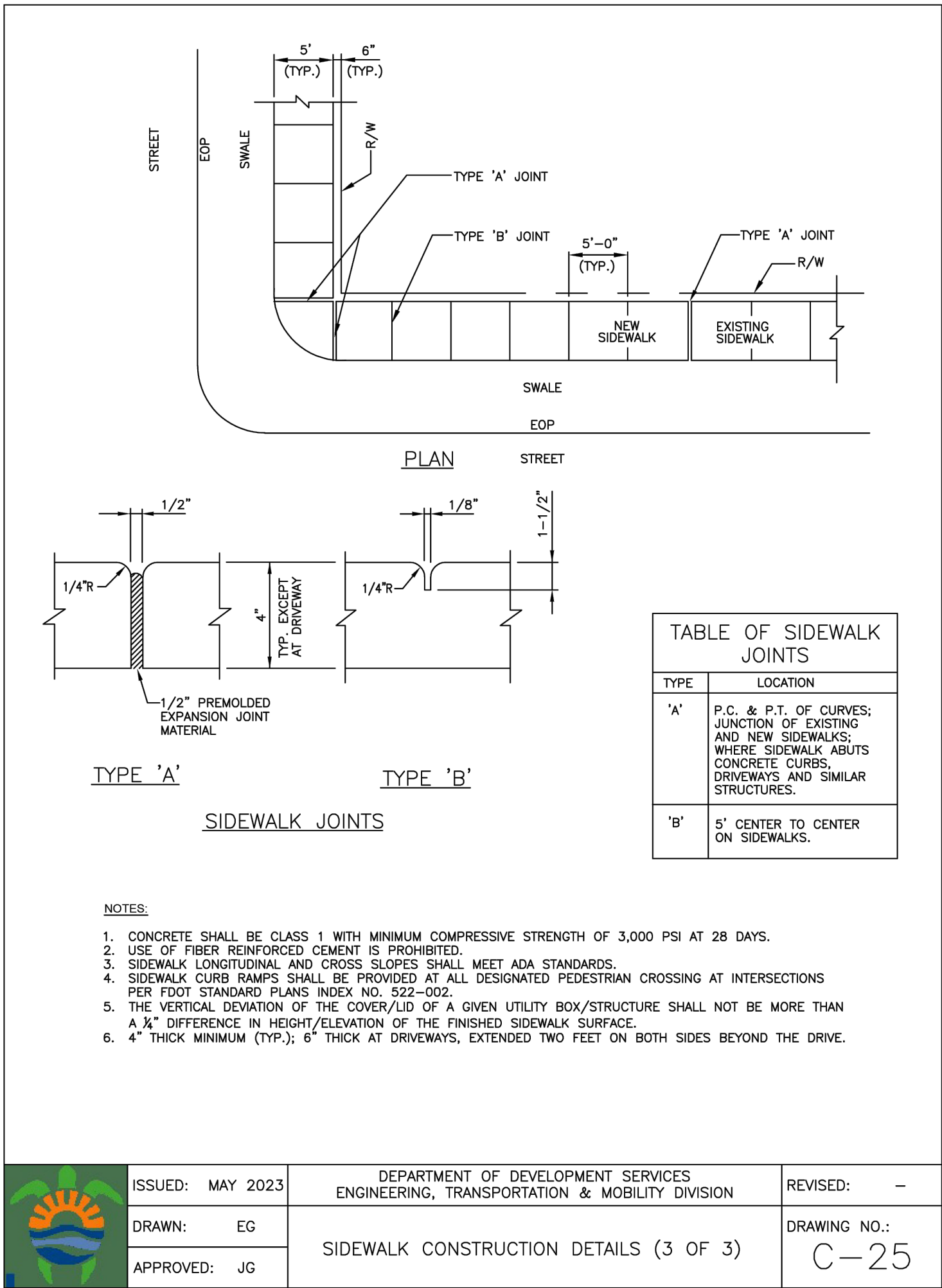
DATE: 2/21/23

SCALE: 1"=20'

SHEET NO.: C2

2 OF 8

PROJECT NO.: 23-08



CIVIL DETAILS II
SCALE: N.T.S.

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REVISIONS		
NO.	DATE	DESCRIPTION
1	9-7-23	TAC REVIEW COMMENTS

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

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WASHINGTON STREET
APARTMENTS
1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 2/21/23

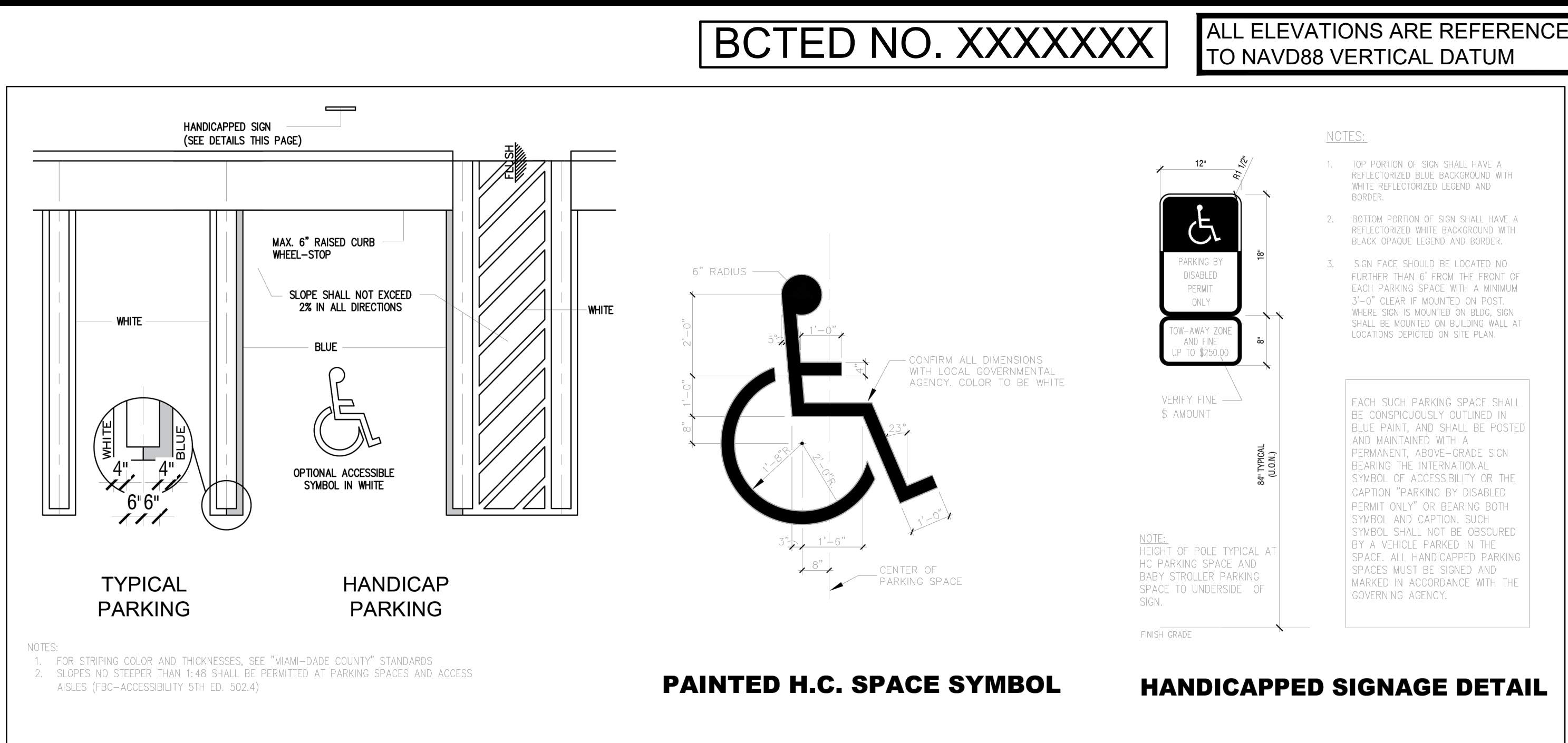
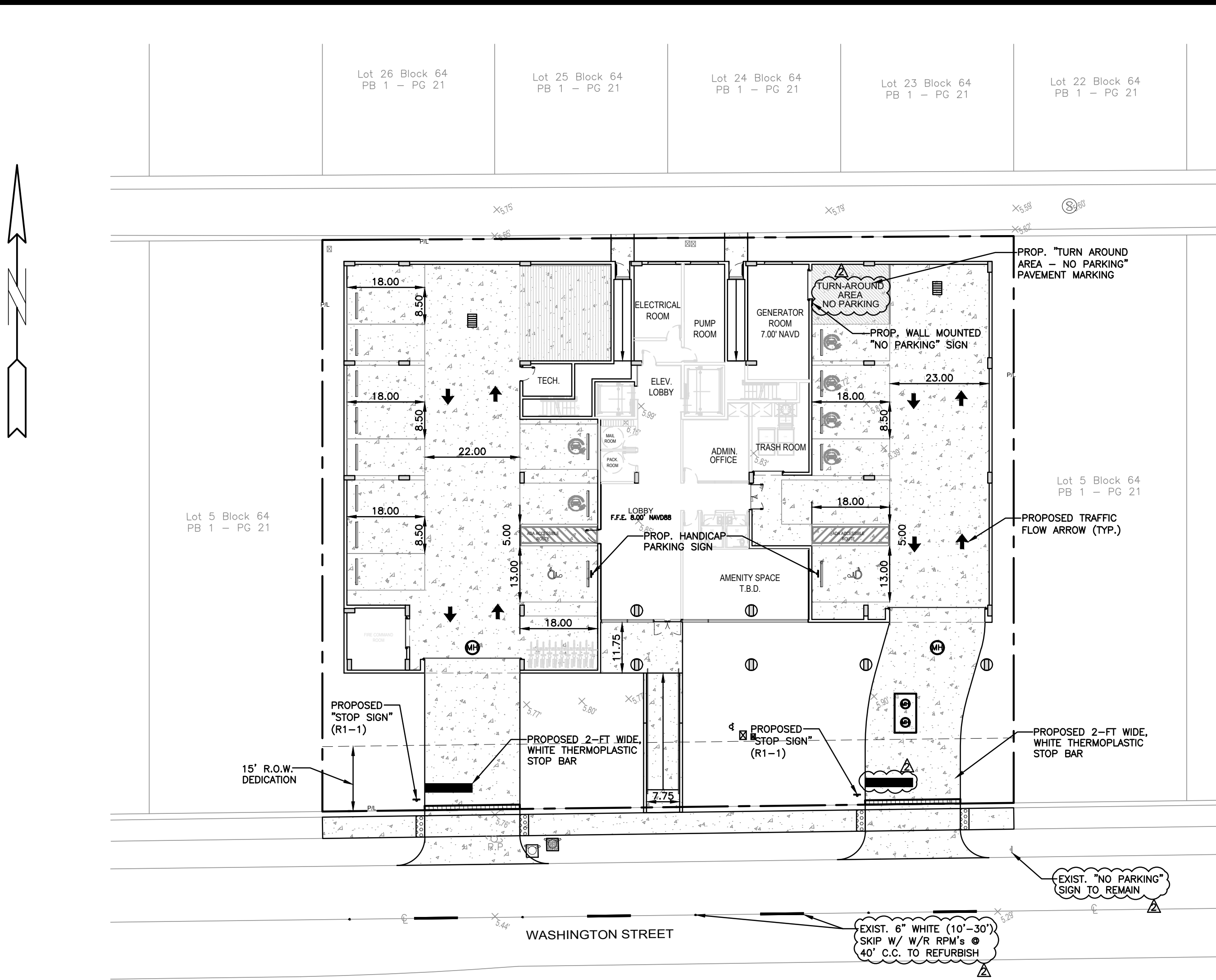
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SHEET NO.:

C4

4 OF 8

PROJECT NO.: 23-08



PARKING STALL DETAILS

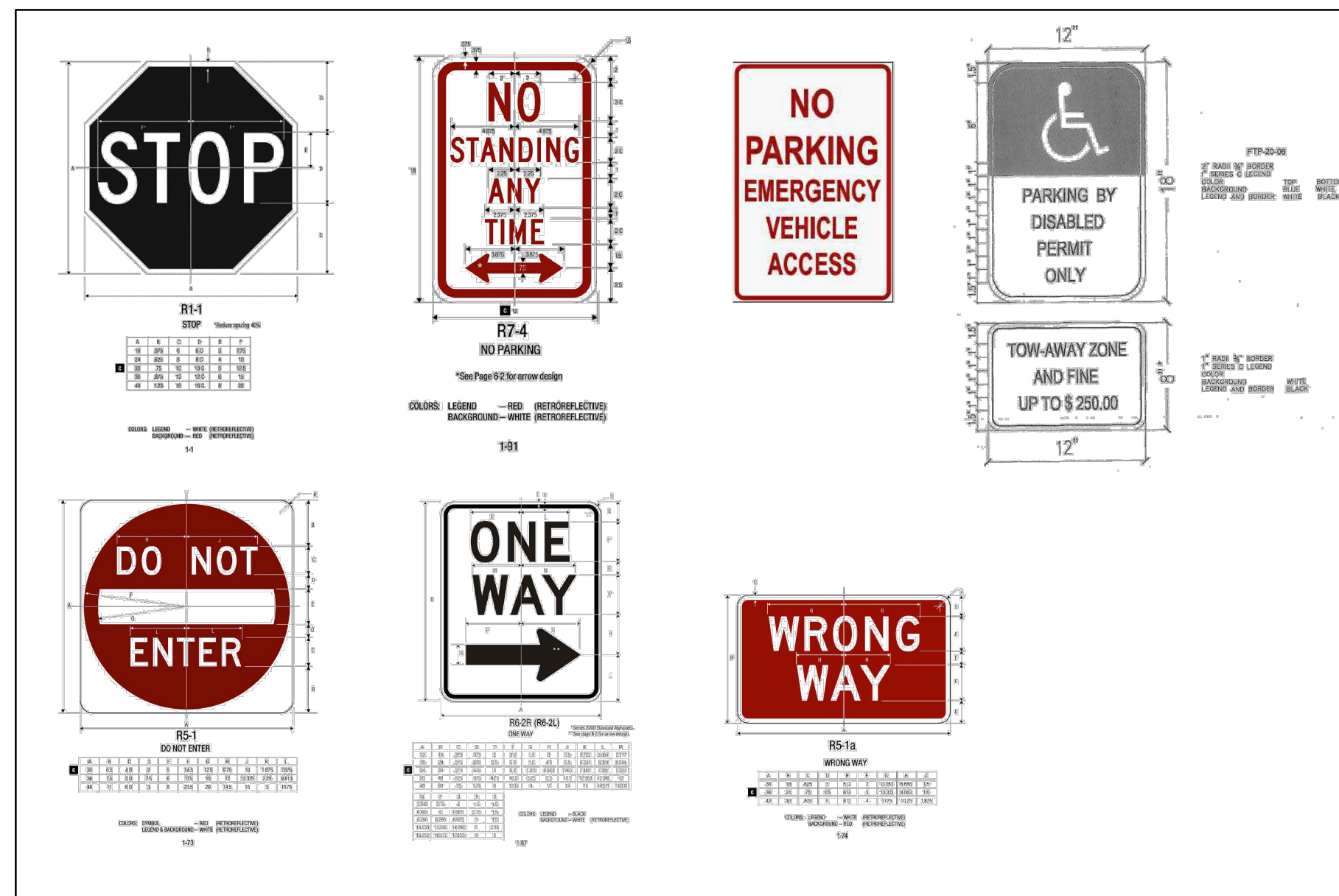
SCALE: N.T.S.

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.

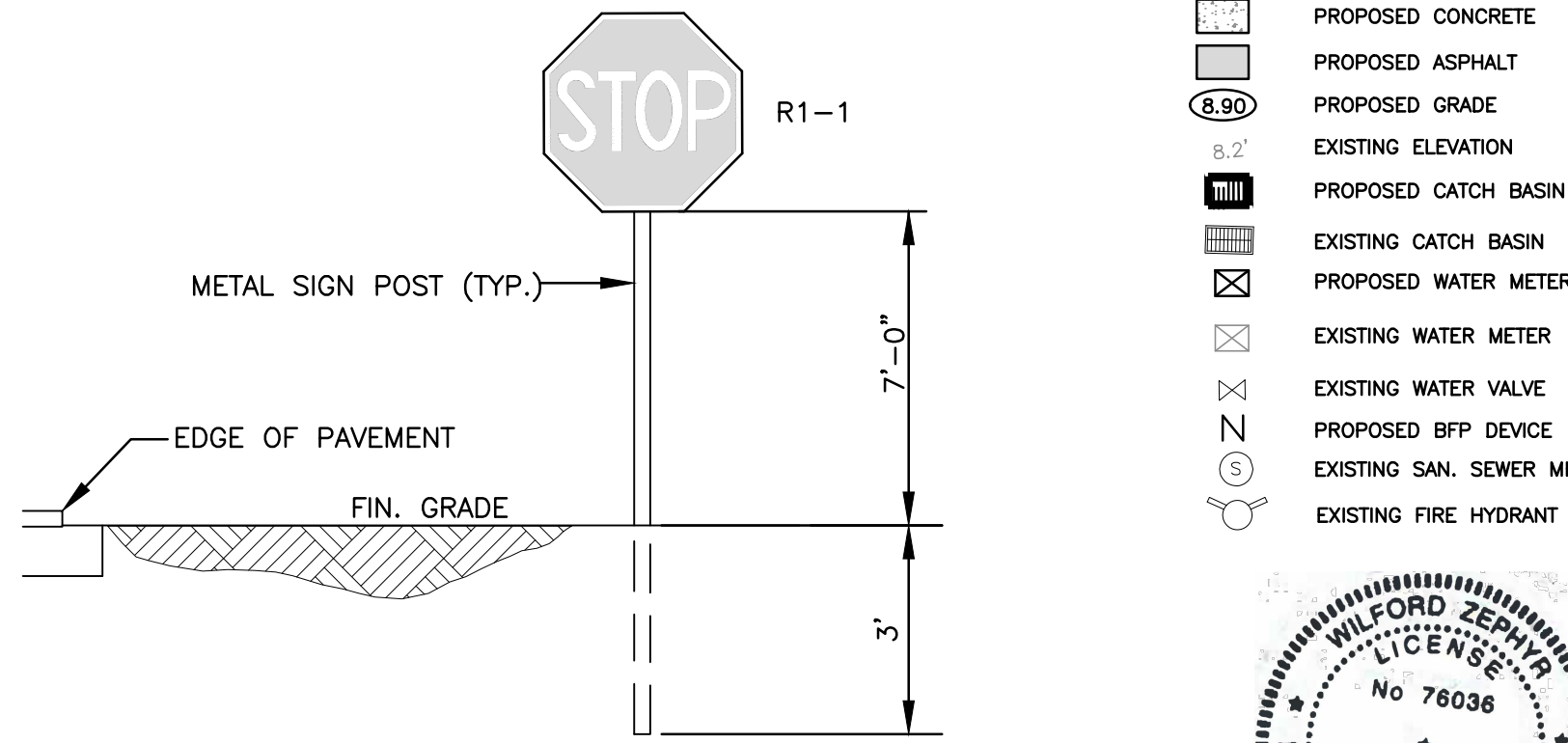
TRAFFIC CONTROL ARROWS DETAILS

N.T.S.



TYPICAL SIGN DETAILS

SCALE: N.T.S.

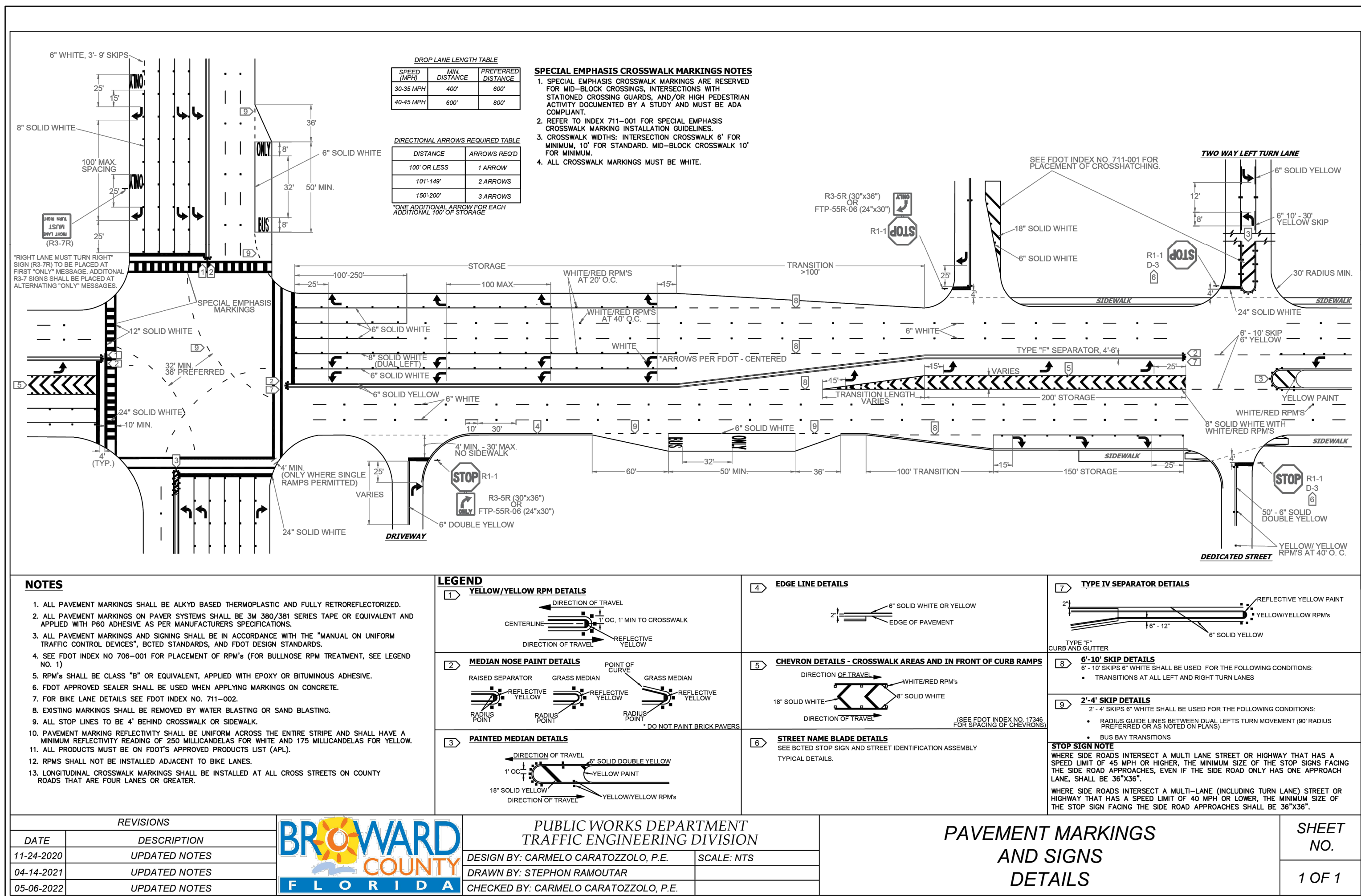


TYPICAL SIGN INSTALLATION DETAIL

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REVISIONS	
DATE	DESCRIPTION
11-24-2020	UPDATED NOTES
04-14-2021	UPDATED NOTES
05-06-2022	UPDATED NOTES



PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
DESIGN BY: CARMELO CARATOZZOLO, P.E.
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: CARMELO CARATOZZOLO, P.E.

PAVEMENT MARKINGS AND SIGNS DETAILS

SHEET NO.
1 OF 1

PAVEMENT MARKINGS & SIGNAGE PLAN

SCALE: 1"=20'

REVISIONS	
NO.	DATE
1	4-26-23
2	9-7-23

ZEPHYR ENGINEERING

WASHINGTON STREET
APARTMENTS

1739 WASHINGTON STREET
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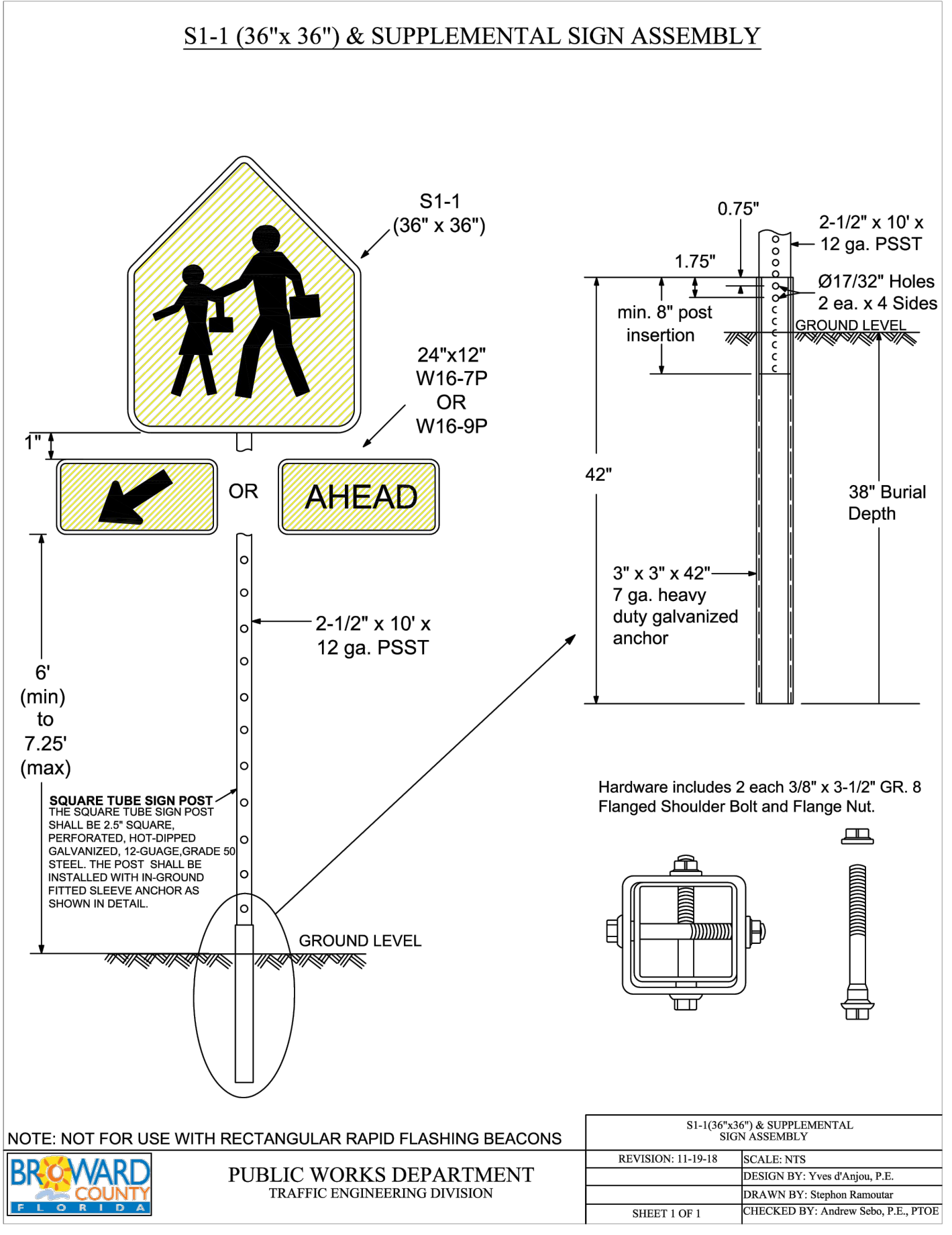
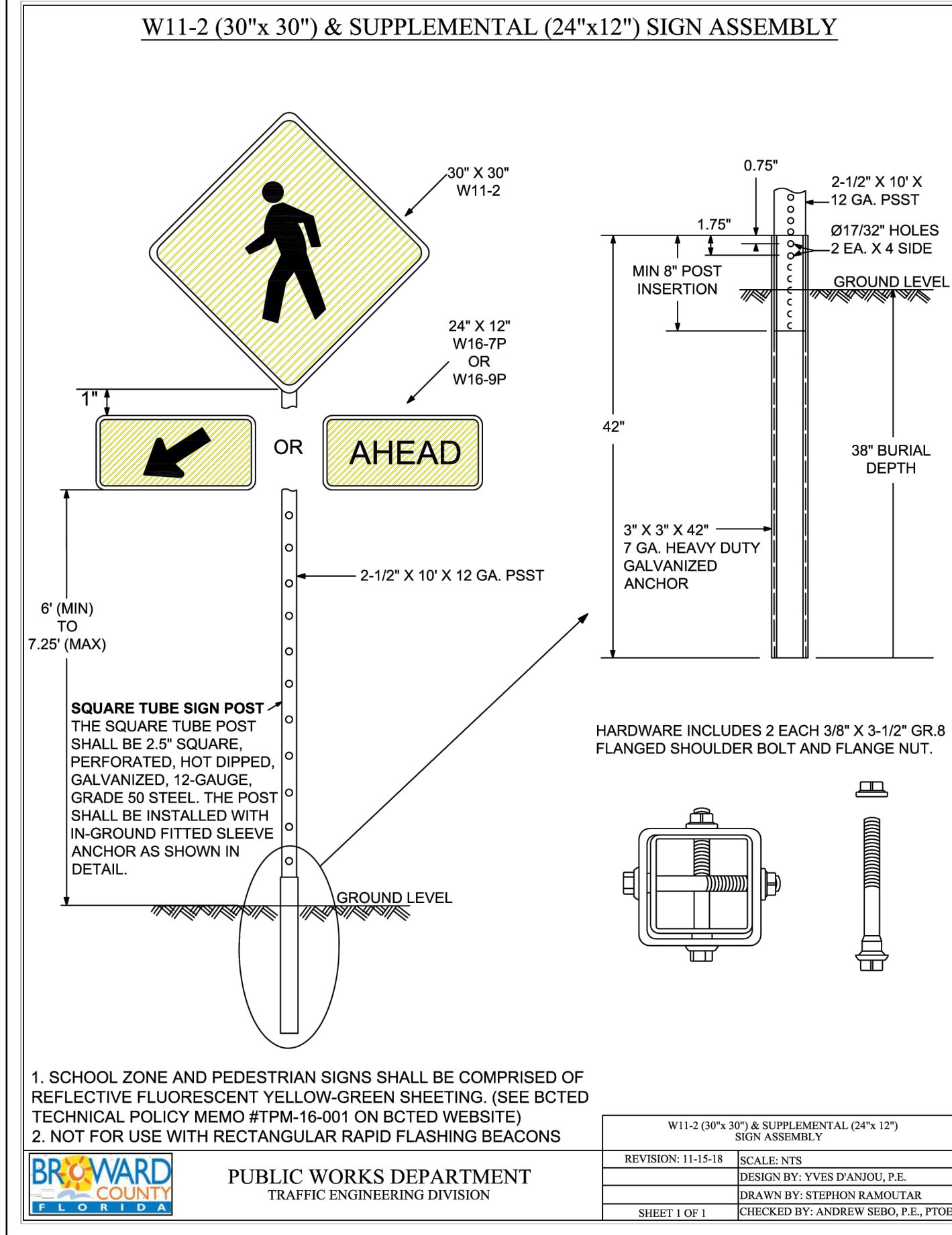
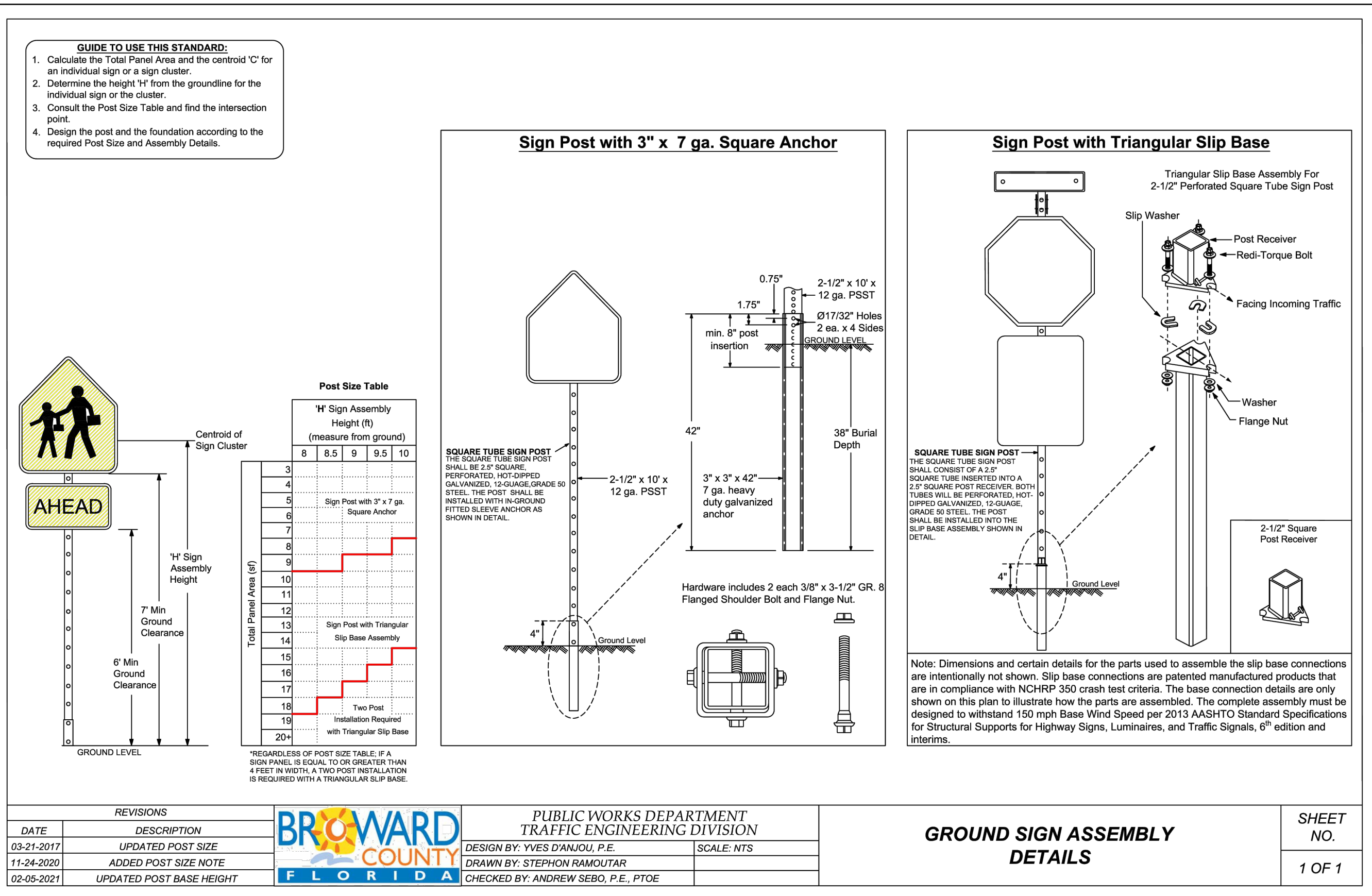
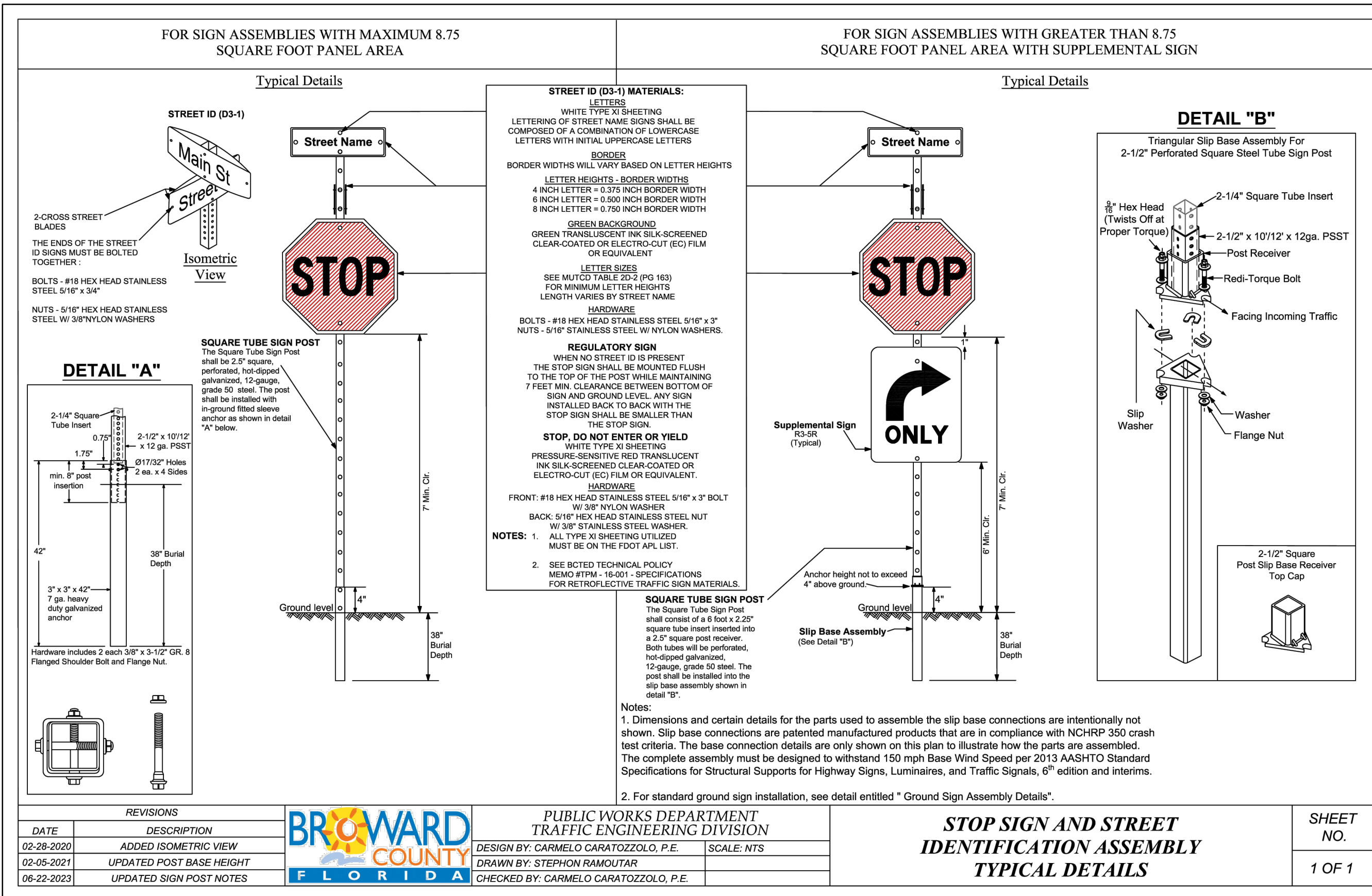
SHEET NO.: C5

5 OF 8

PROJECT NO.: 23-08

ALL ELEVATIONS ARE REFERENCED
TO NAVD88 VERTICAL DATUM

BCTED NO. XXXXXXXX



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R.O.W. PAVEMENT MARKINGS DETAILS

SCALE: N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION
1	9-7-23	TAC REVIEW COMMENTS

ZEPHYR ENGINEERING

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wzephyr@gmail.com
CA#: 31158

ZE

WASHINGTON STREET

APARTMENTS

1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 2/21/23

SCALE: N.T.S.

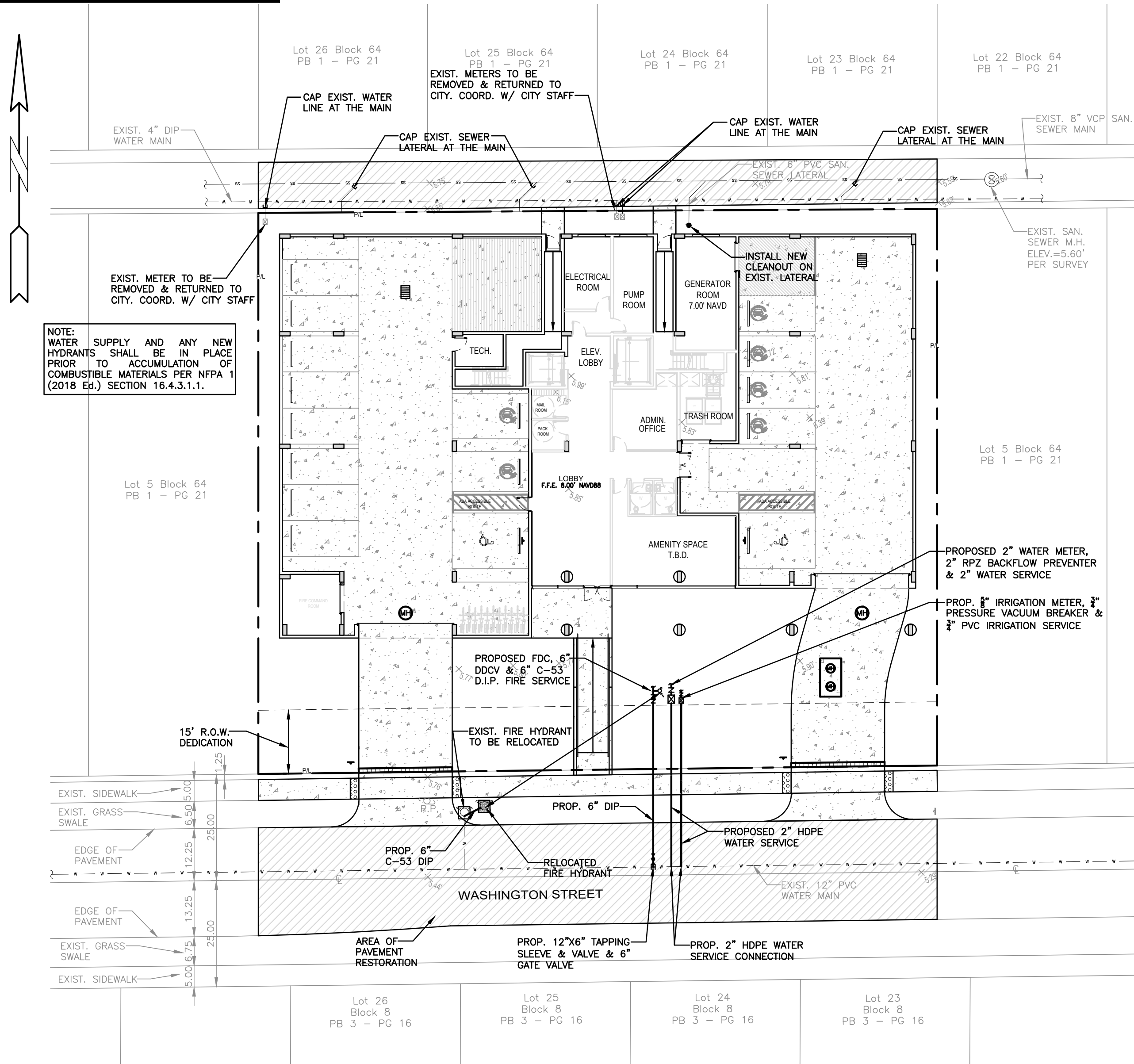
SHEET NO.:

C6

6 OF 8

PROJECT NO.: 23-08

ALL ELEVATIONS ARE REFERENCED TO NAVD88 VERTICAL DATUM



NOTE: 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:

- 74 RESIDENTIAL UNITS

WATER DEMAND

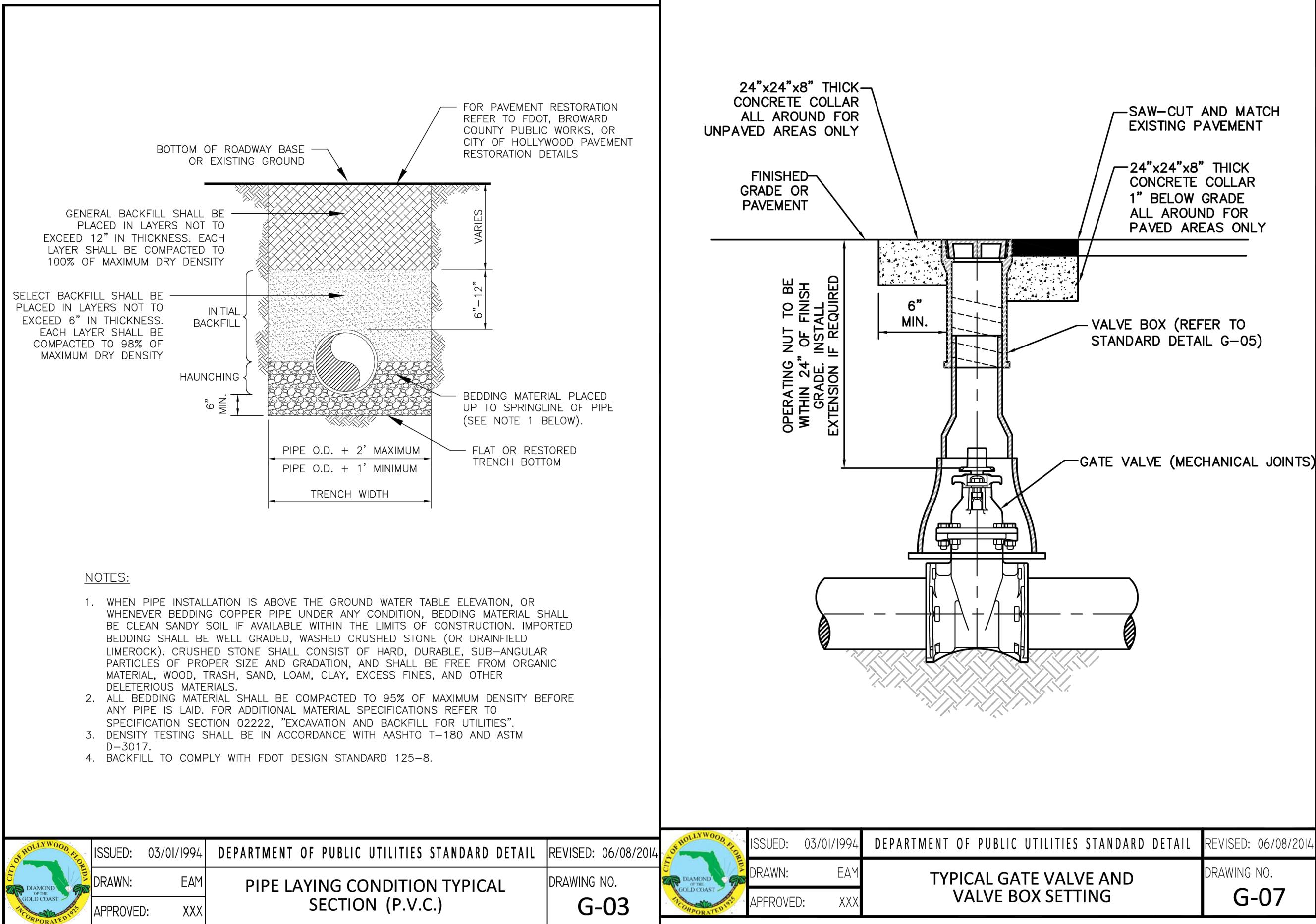
(74 RESIDENTIAL UNITS)X(250 GPD/UNIT)=18,500 GPD

WASTEWATER DEMAND

(74 RESIDENTIAL UNITS)X(250 GPD/UNIT)=18,500 GPD

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

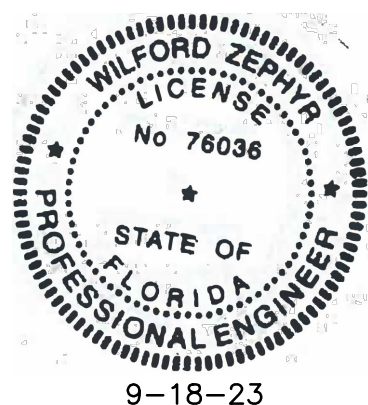


NOTES:

- WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRAINFIELD LIMEROCK). CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS MATERIALS.
- ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES."
- DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017.
- BACKFILL TO COMPLY WITH FDOT DESIGN STANDARD 125-8.

FLEXIBLE PAVEMENT RESTORATION NOTES:

- THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY. FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES.
- LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%. REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK.
- LIMEROCK BASE MATERIAL SHALL BE PLACED IN 12" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 100% OF MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
- STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
- BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
- ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
- RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS.
- MILL AND BUTT JOINT TO EXISTING PAVEMENT.
- 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.
- REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES.
- WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK, REGARDLESS OF THE EXTENT OF IMPACT, THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER.



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WASHINGTON STREET
APARTMENTS
1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#:76036

DATE: 2/21/23

SCALE: 1"=20'

SHEET NO.:

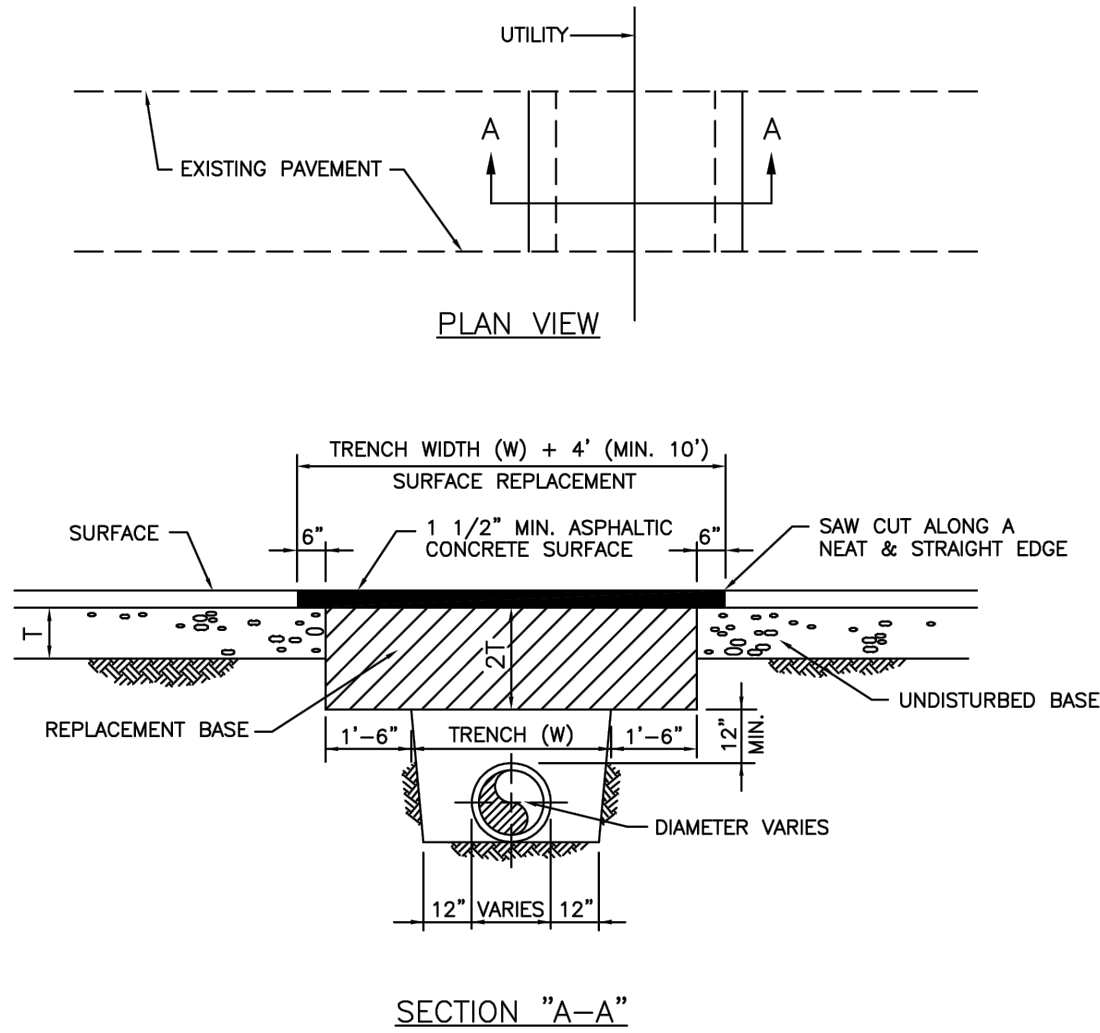
C7

7 OF 8

PROJECT NO.: 23-08

WATER & SEWER PLAN & DETAILS

SCALE: 1"=20'



NOTES:

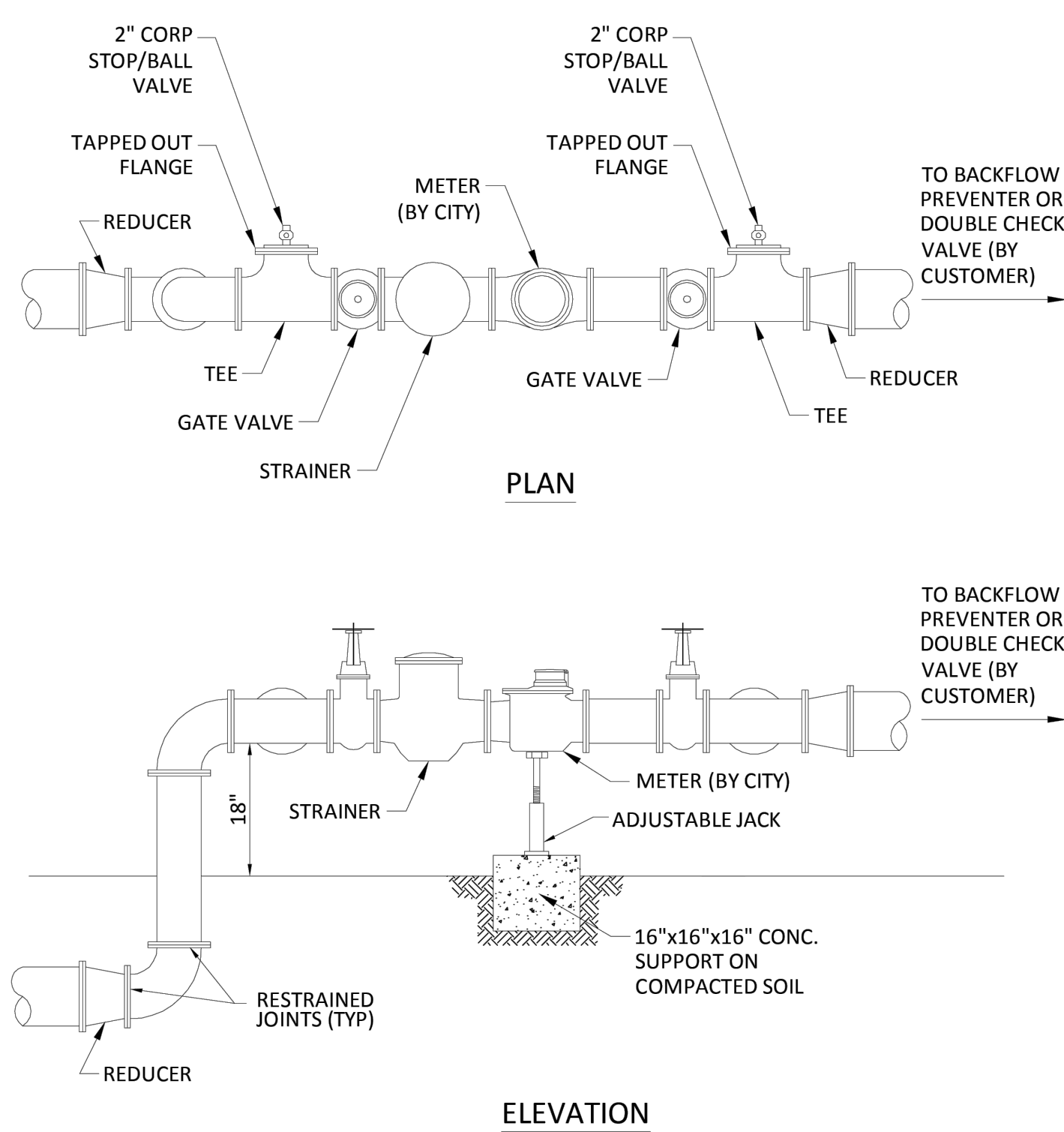
1. REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE, MINIMUM 12\"/>



ISSUED: MAY 2023
DRAWN: EG
APPROVED: JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION
FLEXIBLE PAVEMENT RESTORATION
PERPEND. UTILITY INSTALLATION

REVISED: -
DRAWING NO.:
C-31



NOTES:

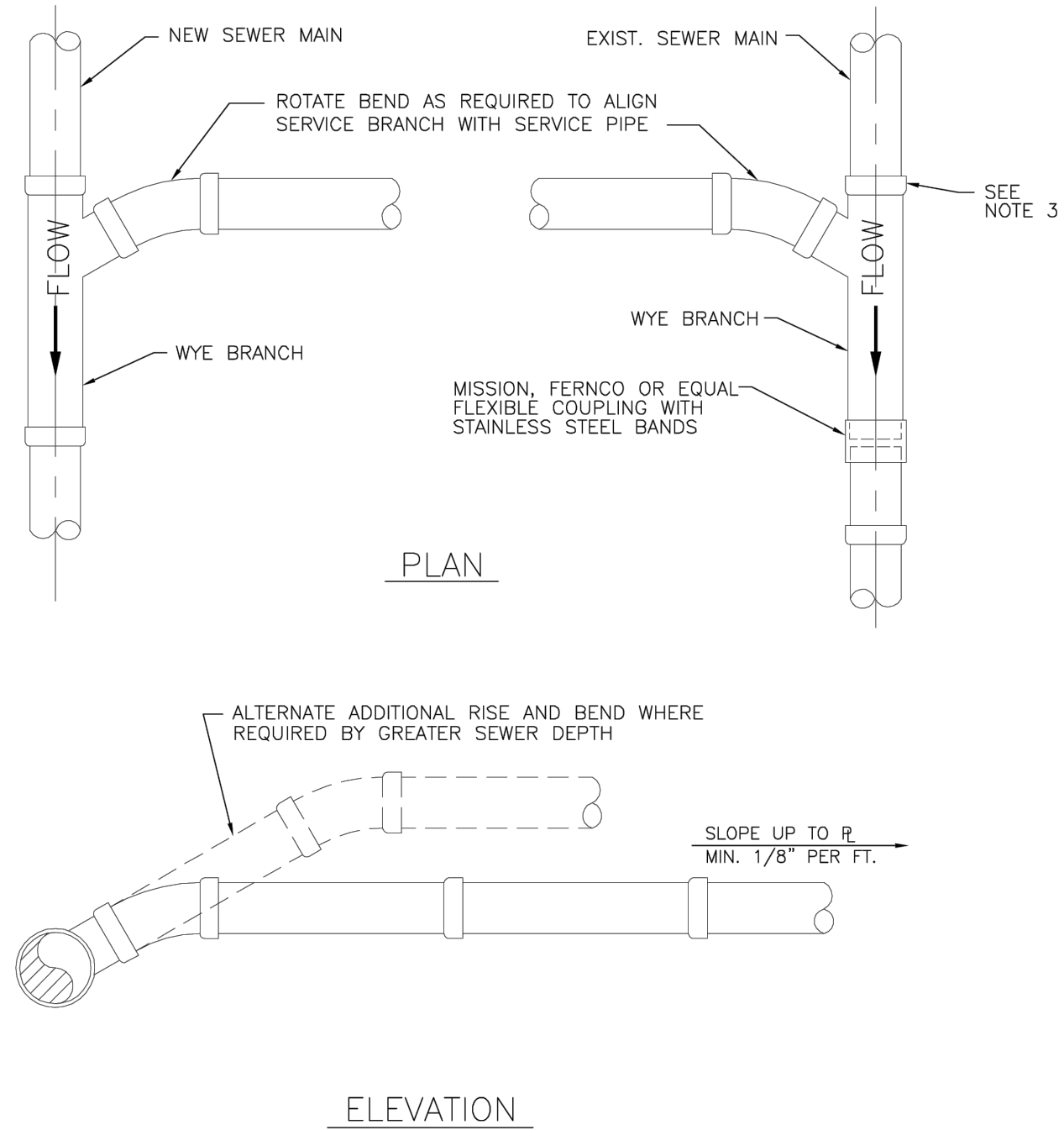
1. THE WATER METER AND STRAINER IS PROVIDED BY THE CITY OF HOLLYWOOD.
2. THE CITY'S RESPONSIBILITY ENDS AT THE REDUCER PRECEDING THE BACKFLOW PREVENTER.
3. TAPPED OUT FLANGE SHOULD MATCH SIZE OF TEE AND STANDARD 2\"/>



ISSUED: 03/01/1994
DRAWN: EAM
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL
TYPICAL METER 3\"/>

REVISED: 06/08/2014
DRAWING NO.:
W-11



NOTES:

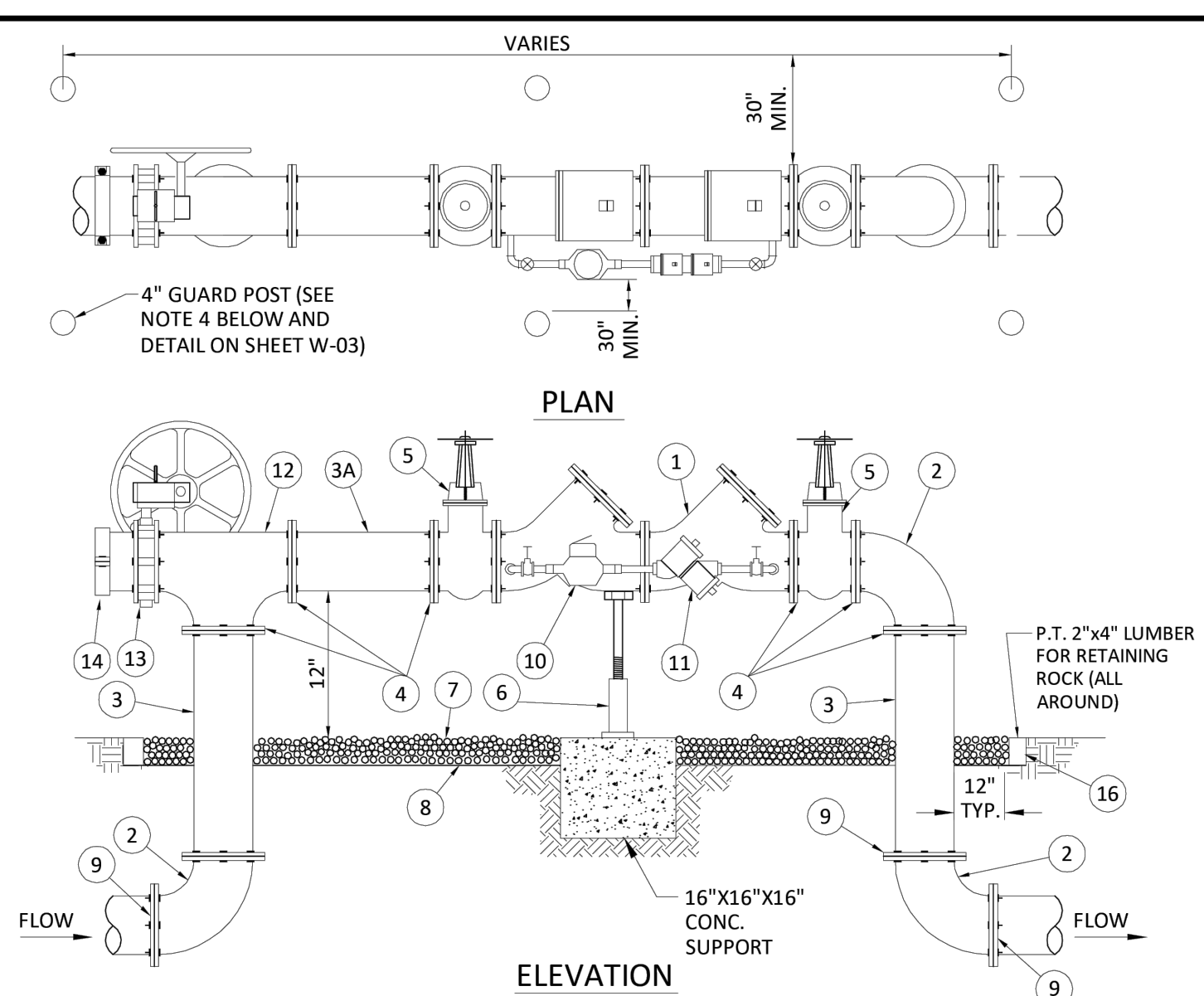
1. SINGLE SERVICE CONNECTIONS SHALL USE 6\"/>



ISSUED: 03/01/1994
DRAWN: EAM
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL
WYE BRANCH CONNECTION

REVISED: 06/08/2014
DRAWING NO.:
S-09



MATERIALS					
ITEM	QTY.	DESCRIPTION	ITEM	QTY.	DESCRIPTION
1	1	4\", 6\", 8\" VALVE, DOUBLE CHECK	8	N/A	PLASTIC LINER/WEED STOP (5 MILS)
2	4	4\", 6\", 8\" BEND-90°	9	4	RESTRAINED JOINTS
3	2	4\", 6\", 8\" D.I.P. SPOOL PIECE	10	1	LOW FLOW METER
3A	1	4\", 6\", 8\" D.I.P. SPOOL PIECE (24\" LONG)	11	1	VALVE, BYPASS DOUBLE CHECK
4	10	4\", 6\", 8\" FLANGE, D.I.P.	12	1	4\", 6\", 8\" TEE
5	2	4\", 6\", 8\" GATE VALVE (SEE NOTE 6)	13	1	4\", 6\", 8\" BUTTERFLY VALVE (SUPERVISED CLOSED), CHAINED AND LOCKED
6	1	SCREW JACK/ANCHORED	14	1	4\", 6\", 8\" CAP
7	N/A	PEA GRAVEL (4\" DEEP)			

NOTES:

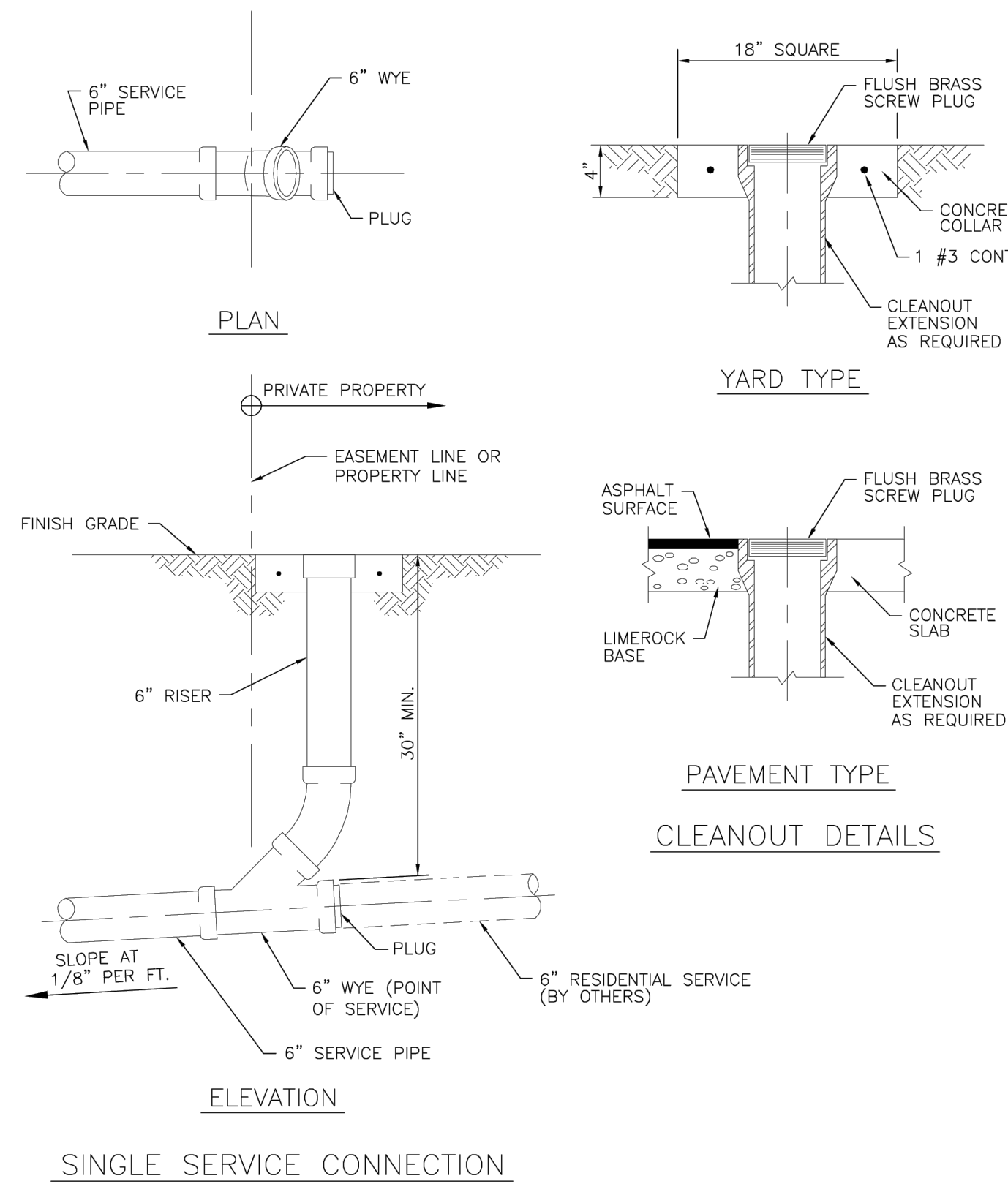
1. FIELD ADJUST AND CUT ITEM 3 TO THE PROPER LENGTH.
2. ALL PIPING SHALL BE D.I.P. CL 50/52 AS APPLICABLE TO MINIMUM STANDARDS.
3. ALL LOW FLOW METER PIPING SHALL BE BRASS OR COPPER.
4. PROTECTIVE 4\"/>



ISSUED: 03/01/1994
DRAWN: EAM
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL
TYPICAL 4\", 6\" AND 8\" DOUBLE CHECK
DETECTOR FOR FIRE SPRINKLER SERVICE
W/B.V. CONNECTION (90° BENDS)

REVISED: 06/08/2014
DRAWING NO.:
W-04



ISSUED: 03/01/1994
DRAWN: EAM
APPROVED: XXX

DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL
SEWER SERVICE CONNECTION AND
CLEANOUT AT PROPERTY LINE

REVISED: 06/08/2014
DRAWING NO.:
S-12



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WATER & SEWER DETAILS

SCALE: N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION

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CA#: 31158

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WASHINGTON STREET

APARTMENTS

1739 WASHINGTON STREET
HOLLYWOOD, FL 33020

P.E.#: 76036

DATE: 2/22/23

SCALE: N.T.S.

SHEET NO.:

C8

8 OF 8

PROJECT NO.: 23-08

Hydrant Flow Test Procedure





Procedure For One & Two Flow Hydrant Test:

- Establish hydrants closest to location and associated water main(s).
- Static/Residual hydrant (**P**) should be located close to location (preferably off same main as to provide future water source).
- Flow hydrant(s) (**F**) should be located off same main up and down stream from mid-point test (static/residual) hydrant.
- Note static system pressure off **P** hydrant before opening any other (note any unusual or remarkable anomalies such as high demand sources, construction, etc.)
- Flow **F1** hydrant and record GPM and residual off **P** hydrant.
- Flow **F2** hydrant and record GPM and residual off **P** hydrant.
- Flow **F1** & **F2** simultaneously and record GPM separately from **F1** and **F2** and record **P** hydrant residual.

Legend:

F1 & F2 Designation shall represent first and second flowed hydrants respectively
P Designation shall represent test hydrant for static and residual distribution system pressures.

K. Architecture

Date: 1/5/23	Time: 9:00am	Static Pressure - 	58psi		
Residual/Static Hydrant		Address/Location		Residual Pressures	
P - Hydrant FH004447	1739 Washington st	F-1 Only 	F-2 Only 		
		58psi	58psi		
		F-1& F-2 	55psi		
Flow Hydrants		Address/Location		Flow Rate	
F-1 Hydrant (Individual) FH004395	912 S 17TH Ave	GPM			
		1190			
F-2 Hydrant (Individual) FH004374	1747 Washington St	GPM			
		1190			
F-1 Hydrant (Both Flowing)		GPM			
		1190			
F-2 Hydrant (Both Flowing)		GPM			
		1190			



A Civil Engineering Firm
Tel: (786)302-7693 • Email: wilford@zephyrengineeringfl.com

September 5, 2023

FIRE FLOW CALCULATIONS
POLK STREET APARTMENTS

2320 Polk Street
Hollywood, FL 33020

These calculations are for a four-story building. The total area of the three (3) largest successive floors is 28,974 SF. The floors used for the fire flow calculations are as follow:

2nd Floor: 9,658 SF
3rd Floor: 9,658 SF
4th Floor: 9,658 SF

Fire Flow Area = 28,974 SF

Per NFPA 18.4, Fire Flow Requirements, the required fire flow for Type II (222) construction for the above-referenced fire flow area is 1,750 GPM.

Per NFPA 18.4.5.3.2, a reduction in required fire flow of 75% shall be permitted when the building is protected throughout by an approved automatic sprinkler system. The resulting fire flow may not be less than 1000 gpm.

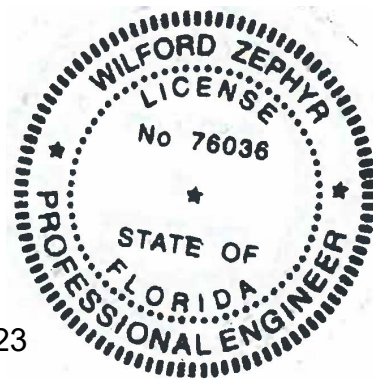
$(1,750 \text{ GPM}) \times 0.75 = 1,312.50 \text{ GPM}$ (fire flow credit for automatic sprinkler system)

$(1,750 \text{ GPM}) - (1,312.50 \text{ GPM}) = 437.50 \text{ GPM}$

Fire flow required=1,000 GPM

Prepared by:

9-15-23



Wilford Zephyr, P.E., LEED AP, CFM

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