PARK ROAD COMMERCIAL

City of Hollywood, Broward County, Florida

SITE PLAN

OWNER:
CITY OF HOLLYWOOD
2600 HOLLYWOOD BLVD
HOLLYWOOD, FL. 33020
(954) 921-3620

ARCHITECT:
ARCHITECTURAL ALLIANCE LADSCAPE
PETE EBERSOLE
612 SW 4TH AVENUE
FORT LAUDERDALE, FL. 33315
(954) 764-8858
pebersole@archall.net

LANDSCAPE ARCHITECT:
EDSA
XIAOYUAN DU
1512 EAST BROWARD BOULEVARD
SUITE 110
FORT LAUDERDALE, FL 33301
(954) 524-3330
xdu@edsaplan.com

CIVIL ENGINEER:
SUN-TECH ENGINEERING, INC.
CLIFFFORD LOUTAN, P.E.
4577 NOB HILL ROAD, SUITE 102
SUNRISE, FL 33351
(954)777-3123
cloutan@suntecheng.com

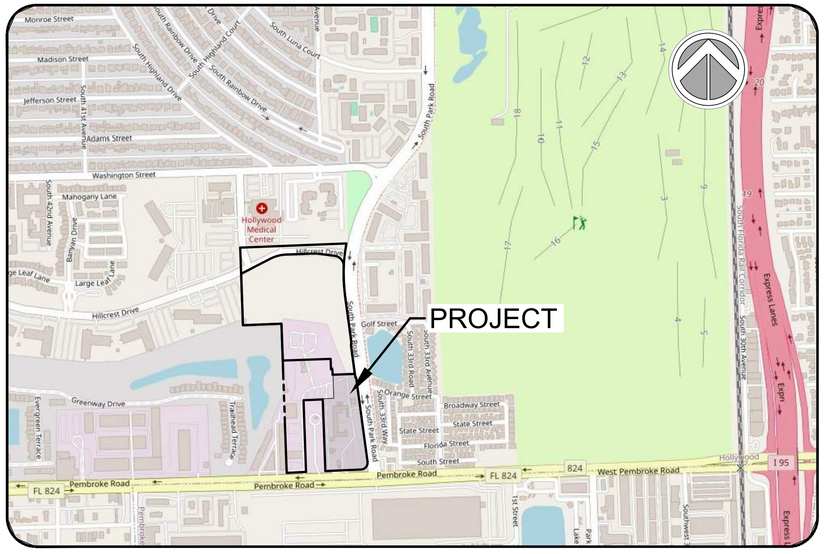
SURVEYOR:
PULICE LAND SURVEYORS, INC.
5381 NOB HILL ROAD.
SUNRISE, FLORIDA 33351
(954) 572-1777
surveys@pulicelandsurveyors.com

LEGAL DESCRIPTION:

BLOCKS 1, 2, 9, & 10 AND PORTIONS OF BLOCKS 3 & 8 AND THE RIGHTS-OF-WAY ADJACENT THERETO, "HOLLYWOOD GOLF HEIGHTS", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 11, PAGE 13, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, AND PORTIONS OF THE NORTHWEST 1/4 OF SECTION 20, TOWNSHIP 51 SOUTH, RANGE 42 EAST, BROWARD COUNTY, FLORIDA, ALL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF SAID NORTHWEST 1/4 OF SECTION 20; THENCE NORTH 02°01'27" WEST ON THE WEST LINE OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20 FOR 50.00 FEET TO A POINT ON A LINE 50 FEET NORTH OF AND PARALLEL TO THE SOUTH LINE OF SAID NORTHWEST 1/4 OF SECTION 20 AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 02°01'27" WEST ON SAID WEST LINE 1,297.02 FEET TO THE NORTHWEST CORNER OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE SOUTH 87°40'46" WEST ON THE SOUTH LINE OF THE NORTHWEST 1/4 OF SAID NORTHWEST 1/4 OF SECTION 20 FOR 334.55 FEET TO THE SOUTHWEST CORNER OF THE EAST 1/2 OF THE SOUTHEAST 1/4 OF SAID NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE NORTH 02°00'44" WEST ON THE WEST LINE OF SAID EAST 1/2 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20 FOR 674.59 FEET TO THE NORTHWEST CORNER OF SAID EAST 1/2 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE NORTH 87°45'54" EAST ON THE NORTH LINE OF THE SOUTH 1/2 OF THE NORTH 1/2 OF SAID NORTHWEST 1/4 OF SECTION 20 FOR 922.43 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF SOUTH PARK ROAD, BEING THE ARC OF A CIRCULAR CURVE CONCAVE EASTERLY, FROM WHICH A RADIAL LINE BEARS SOUTH 79°35'07" EAST; THENCE SOUTHERLY ON SAID WESTERLY RIGHT-OF-WAY LINE ALONG THE ARC OF SAID CURVE TO THE LEFT, HAVING A RADIUS OF 1,440.00 FEET, A CENTRAL ANGLE OF 18°06'31", FOR AN ARC DISTANCE OF 455.12 FEET TO A POINT OF TANGENCY; THENCE SOUTH 07°41'39" EAST ON SAID WESTERLY RIGHT-OF-WAY LINE 1,456.73 FEET TO A POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; THENCE SOUTHWESTERLY ON THE ARC OF SAID CURVE, HAVING A RADIUS OF 60.00 FEET, A CENTRAL ANGLE OF 95°11'49", FOR AN ARC DISTANCE OF 99.69 FEET TO A POINT OF TANGENCY ON THE AFOREMENTIONED PARALLEL LINE; THENCE SOUTH 87°30'19" WEST ON SAID PARALLEL LINE 310.27 FEET TO A POINT ON THE WEST LINE OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE NORTH 02°02'13" WEST ALONG SAID WEST LINE 623.10 FEET TO THE NORTHWEST CORNER OF SAID EAST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE SOUTH 87°36'04" WEST ON THE NORTH LINE OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20 FOR 167.34 FEET TO THE NORTHEAST CORNER OF THE WEST 1/4 OF SAID SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20; THENCE SOUTH 02°01'52" EAST ALONG THE EAST LINE OF SAID WEST 1/4 FOR 623.38 FEET TO A POINT ON SAID PARALLEL LINE; THENCE SOUTH 87°30'19" WEST ON SAID PARALLEL LINE 168.31 FEET TO THE POINT OF BEGINNING.

SAID LANDS LYING AND BEING IN THE CITY OF HOLLYWOOD, BROWARD COUNTY, FLORIDA, AND CONTAINING 1,340,527 SQUARE FEET (30.7743 ACRES), MORE OR LESS.



SECTION 20, TOWNSHIP 51, RANGE 42

LOCATION MAP

N.T.S.

INDEX OF DRAWINGS	
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	PD MASTER PLAN
	CIRCULATION LAND USE DIAGRAM
	SURVEY
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SP-1	SITE PLAN KEY MAP
SP-2 – SP-4	SITE PLAN
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A.02	RESTAURANT FLOOR PLAN
A.03	RESTAURANT ROOF PLAN
A.04	RESTAURANT ELEVATIONS
A.05	CONVENIENCE STORE RENDERING
A.06	CONVENIENCE STORE FLOOR PLAN
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A.08	CONVENIENCE STORE ELEVATIONS
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L0-4-01	GENERAL NOTE
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L5-0-01	PLANTING NOTES
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L5-1-02	PLANTING PLAN
L5-1-03	PLANTING PLAN
L5-2-01	PLANTING DETAILS
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PMS-1	PAVEMENT MARKING & SIGNAGE PLANS KEY MAP
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WS-0	WATER & SEWER OVERALL PLAN
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WS-5 – WS-10	WATER & SEWER DETAILS
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FP-0	FIRE PROTECTION OVERALL PLAN
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AT-02	AUTOTURN FUEL TANKER TRUCK OVEALL PLAN
AT-03	AUTOTURN LOADING TRUCK OVERALL PLAN
AT-04	AUTOTURN REFUSE TRUCK OVERALL PLAN

STE Sun-Tech Engineering, Inc.
Engineers • Planners • Surveyors
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Phone (954) 777-3123
Fax (954) 777-3114

Digitally signed by Clifford R Loutan Loutan
Date: 2025.01.07 12:35:57-05'00'

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

This item has been digitally signed and sealed by CLIFFORD R. LOUTAN, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Always call 811 two full business days before you dig
Sunshine811.com

PROJECT NO. 20-4027
DESIGN DATE: DEC. 2023

K:\PROJECTS\20-xxx\20-4027\dwg\4027cov-comm.dwg, COV-SP, 1/7/2025 11:48:05 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027cov-comm.dwg
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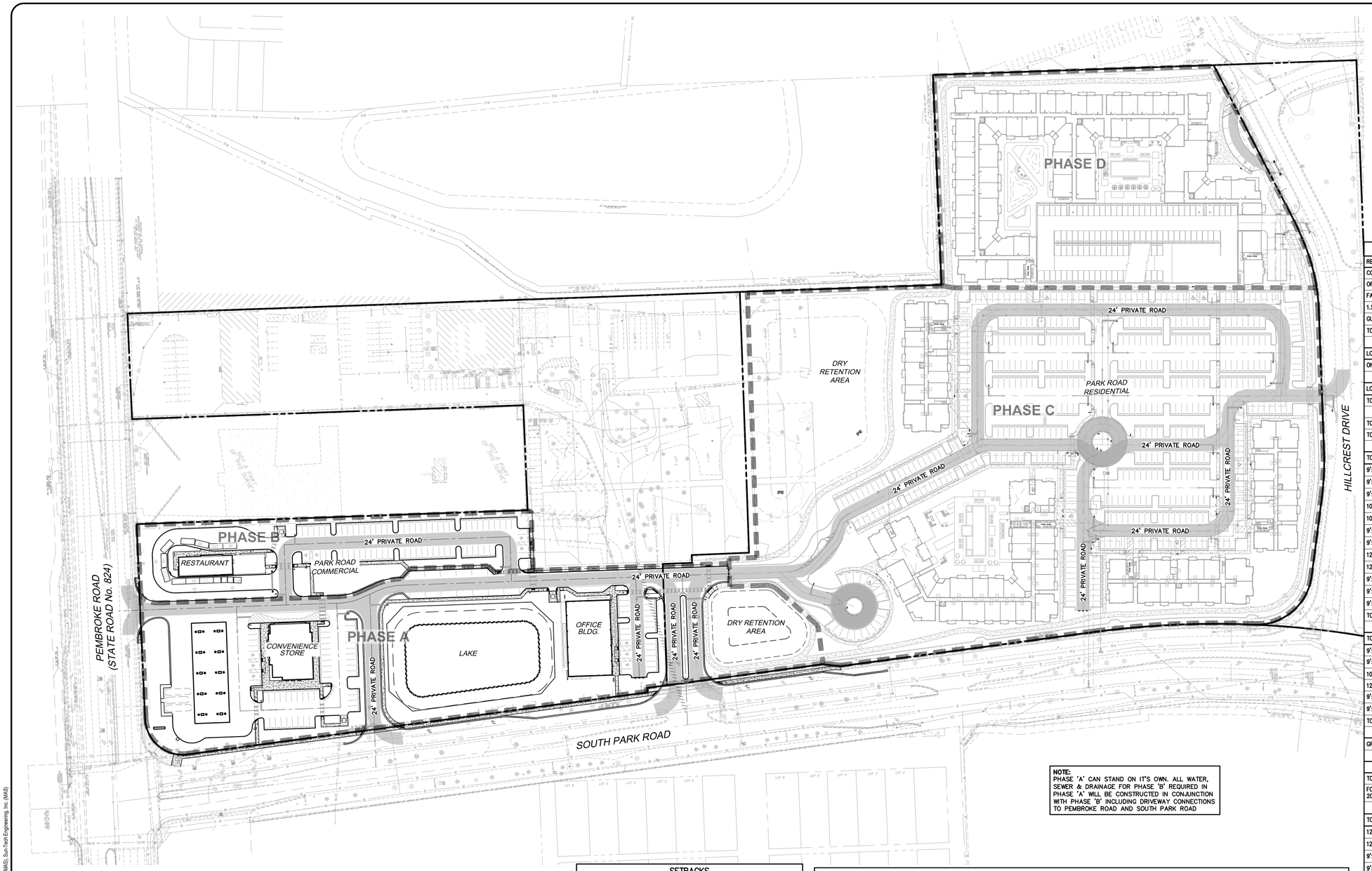
LAYOUT: [COV-SP]



PARKING TABULATION	
REQUIRED PARKING PER PD MASTER PLAN	
CONVENIENCE STORE 6,118 S.F. @ 1 SPACES PER 250 S.F.	25
OFFICE 16,796 S.F. @ 1 SPACE PER 300 S.F.	56
FAST FOOD BUILDING 2,800 S.F. @ 1 SPACE PER 150 S.F.	19
1.5 SPACES PER UNIT x 618 UNITS	927
GUEST PARKING (1 SPACE PER 5 UNITS = 618 UNITS/5)	124
TOTAL PARKING REQUIRED	1,151
LOADING REQUIRED	
ONE SPACE PER BUILDING (10'x25')	5
LOADING PROVIDED (10'x25')	
TOTAL PROVIDED	5
TOTAL BIKE PARKING REQUIRED 1 SPACE PER 20 REQUIRED SPACES	53
TOTAL BIKE PARKING PROVIDED	68
TOTAL PARKING PROVIDED (SURFACE)	
9'x19' – 90 DEGREE PARKING (COMM.)	79
9'x19' – 90 DEGREE PARKING (RESID.)	406
9'x19' – 90 DEGREE PARKING (RESID. GUEST)	65
10'x25' – PARALLEL PARKING (COMM.)	12
10'x25' – PARALLEL PARKING (RESID.)	3
9'x19' – EV PARKING (EV READY) (COMM.)	6
9'x19' – EV PARKING (EV READY) (RESID.)	8
12'x19' – HANDICAP PARKING (COMM.)	7
12'x19' – HANDICAP PARKING (RESID.)	6
9'x30' HC PARALLEL PARKING (RESID.)	1
9'x19' – HANDICAP PARKING (VAN ACCESSIBLE) (COMM.)	1
9'x19' – HANDICAP PARKING (VAN ACCESSIBLE) (RESID.)	2
TOTAL SURFACE PARKING	596
TOTAL PARKING PROVIDED (PARKING GARAGE)	
9'x19' – 90 DEGREE PARKING	465
9'x19' – 90 DEGREE PARKING (GUEST)	59
10'6"x19' – STANDARD PARKING	37
12'x19' – HANDICAP PARKING	15
9'x19' – HANDICAP PARKING (VAN ACCESSIBLE)	2
9'x19' – EV PARKING (READY)	4
TOTAL PARKING GARAGE	582
GRAND TOTAL PARKING PROVIDED	1178
TOTAL HANDICAP SPACES REQUIRED	
FOR PARKING PROVIDED OVER 1,000 SPACES 20 SPACES 20 SPACES 1 FOR EVERY 100 SPACES OVER 1,000 SPACES	23
TOTAL HANDICAP SPACES PROVIDED (SURFACE)	
12'x19" HANDICAP PARKING (COMM.)	7
12'x19" HANDICAP PARKING (RESID.)	6
9'x30" HANDICAP PARALLEL PARKING (RESID.)	1
9'x19' HANDICAP PARKING (COMM.) (VAN ACCESSIBLE)	1
9'x19' HANDICAP PARKING (RESID.) (VAN ACCESSIBLE)	2
TOTAL HANDICAP SPACES PROVIDED PARKING GARAGE	
12'x19' HANDICAP PARKING	15
12'x19' HANDICAP PARKING (VAN ACCESSIBLE)	2
TOTAL HANDICAP PARKING PROVIDED	34
LOADING REQUIRED	
1 SPACES PER BUILDING 10'x25' (RESID.)	5
1 SPACES 10'x40' FOR BUILDINGS BETWEEN 10,000 S.F. & 24,999 S.F.	1
TOTAL REQUIRED	6
LOADING PROVIDED	
5 SPACES 10'x25' (RESID.)	5
1 SPACES AT CONVENIENCE STORE 10'x40'	1
1 SPACES AT OFFICE BUILDING 10'x40'	1
TOTAL PROVIDED	7
TOTAL BIKE PARKING REQUIRED 1 SPACE PER 20 REQUIRED SPACES	60
TOTAL BIKE PARKING PROVIDED (COMM.)	8
TOTAL BIKE PARKING PROVIDED (RESID.)	60
TOTAL BIKE PARKING PROVIDED	68

NOTE:
PHASE 'A' CAN STAND ON IT'S OWN. ALL WATER, SEWER & DRAINAGE FOR PHASE 'B' REQUIRED IN PHASE 'A' WILL BE CONSTRUCTED IN CONJUNCTION WITH PHASE 'B' INCLUDING DRIVEWAY CONNECTIONS TO PEMBROKE ROAD AND SOUTH PARK ROAD

SETBACKS	REQUIRED PER PD MASTER PLAN	PROVIDED
NORTH (REAR)	15'	149.78'
SOUTH (FRONT)	15'	62.98'
EAST (SIDE)	15'	34.53'
WEST (SIDE)	15'	53.69'
INTERNAL STREET TO R/W	25'	28.43'

PER PD MASTER PLAN SHOULD SETBACKS ON THE PROPOSED SITE PLAN BE LESS, THE LESS RESTRICTIVE SETBACK WILL APPLY.

APPLICABLE CODE REFERENCES	
ADDRESS	1600 S. PARK ROAD HOLLYWOOD, FL 33021
JURISDICTION	CITY OF HOLLYWOOD
EXISTING ZONING	GU (GOVERNMENT USE)
PROPOSED ZONING	PD
EXISTING LAND USE	UTL (UTILITIES)
PROPOSED LAND USE	REGIONAL ACTIVITY CENTER
BUILDING HEIGHT ALLOW	100' MAX. ALLOWED
BUILDING HEIGHT PROVIDED	CONVENIENCE STORE 26' OFFICE BUILDING 39' RESTAURANT 24'
GROSS SITE AREA	943,588 S.F. = 21.66 AC.
NET SITE AREA	943,588 S.F. = 21.66 AC.

NOTES:

1. ALL UTILITIES AND STORM WATER REQUIREMENTS WILL BE APPLICABLE GOVERNMENTAL REGULATIONS IS REQUIRED.
2. WATER AND SEWER PROVIDED BY CITY OF HOLLYWOOD.
3. ALL RESIDENTIAL DEVELOPMENTS THAT ANTICIPATE PHASED DEVELOPMENT SHALL INCLUDE ALL PROPOSED AMENITIES IN TOTAL.
4. ANY LIP FORM ¾", BUT NOT GREATER THAN ½" WILL BEVELED TO MEET ADA REQUIREMENTS.
5. ALL SIGNAGE SHALL BE IN COMPLIANCE W/THE ZONING AND LAND DEVELOPMENT REGULATIONS
6. MAXIMUM FOOT-CANDLE LEVEL AT ALL PROPERTY LINES (MAXIMUM 0.5 ALLOWANCE)

SITE DATA	REQUIRED PER PD MASTER PLAN		PROVIDED (COMMERCIAL)		PROVIDED (RESIDENTIAL)		TOTAL PROVIDED		
	AREA (S.F.)	PERCENTAGE	AREA (S.F.)	AREA (ACRES)	AREA (S.F.)	AREA (ACRES)	AREA (S.F.)	AREA (ACRES)	PERCENTAGE
ASPHALT AREA	N/A	N/A	113,227.00	2.60 AC.	211,972.00	4.87 AC.	325,199.00	7.47 AC.	33.0%
CONCRETE AREA	N/A	N/A	1,706.00	0.04 AC.	0.00	0.00 AC.	1,706.00	0.04 AC.	0.2%
BUILDINGS	344,863	35%	17,249.00	0.40 AC.	186,044.00	4.27 AC.	203,293.00	4.67 AC.	20.6%
SIDEWALK	N/A	N/A	12,073.00	0.28 AC.	67,036.00	1.54 AC.	79,109.00	1.82 AC.	8.0%
POOL DECK	N/A	N/A	0.00	0.00 AC.	17,019.00	0.39 AC.	17,019.00	0.39 AC.	1.7%
LAKE	N/A	N/A	22,149.00	0.51 AC.	0.00	0.00 AC.	22,149.00	0.51 AC.	2.2%
LANDSCAPE AREA	67,682	25%	91,704.00	2.11 AC.	245,144.00	5.63 AC.	336,848.00	7.73 AC.	34.2%
TOTAL NET AREA			258,108.00	5.93 AC.	727,215.00	16.69 AC.	985,323.00	22.62 AC.	100.0%
OPEN SPACE (LANDSCAPE & LAKE AREA)	246,331	25%	113,853.00	2.61 AC.	262,163.00	6.02 AC.	376,016.00	8.63 AC.	38.2%
VEHICULAR USE AREA LANDSCAPING (VUA) = VUA X 0.25	N/A	25%	56,087.00	1.29 AC.	202,533.00	4.65 AC.	258,620.00	5.94 AC.	79.53%

PERVIOUS CALCULATIONS									
			AREA (S.F.)	AREA (ACRES)	AREA (S.F.)	AREA (ACRES)	AREA (S.F.)	AREA (ACRES)	PERCENTAGE
PERVIOUS			91,704.00	2.11 AC.	245,144.00	5.6 AC.	336,848.00	7.73 AC.	34.2%
IMPERVIOUS			166,404.00	3.82 AC.	482,071.00	11.07 AC.	648,475.00	14.89 AC.	65.8%

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LAYOUT: [SP-0]

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4577 Nob Hill Road, Suite 102
Sunrise, FL 33351
www.sunfleteng.com
Certificate of Auth. #7097/LB 7019
Phone (954) 777-3123
Fax (954) 777-3114
STE Sun-Tech Engineering, Inc.
Engineers • Planners • Surveyors

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

SITE PLAN OVERALL PLAN

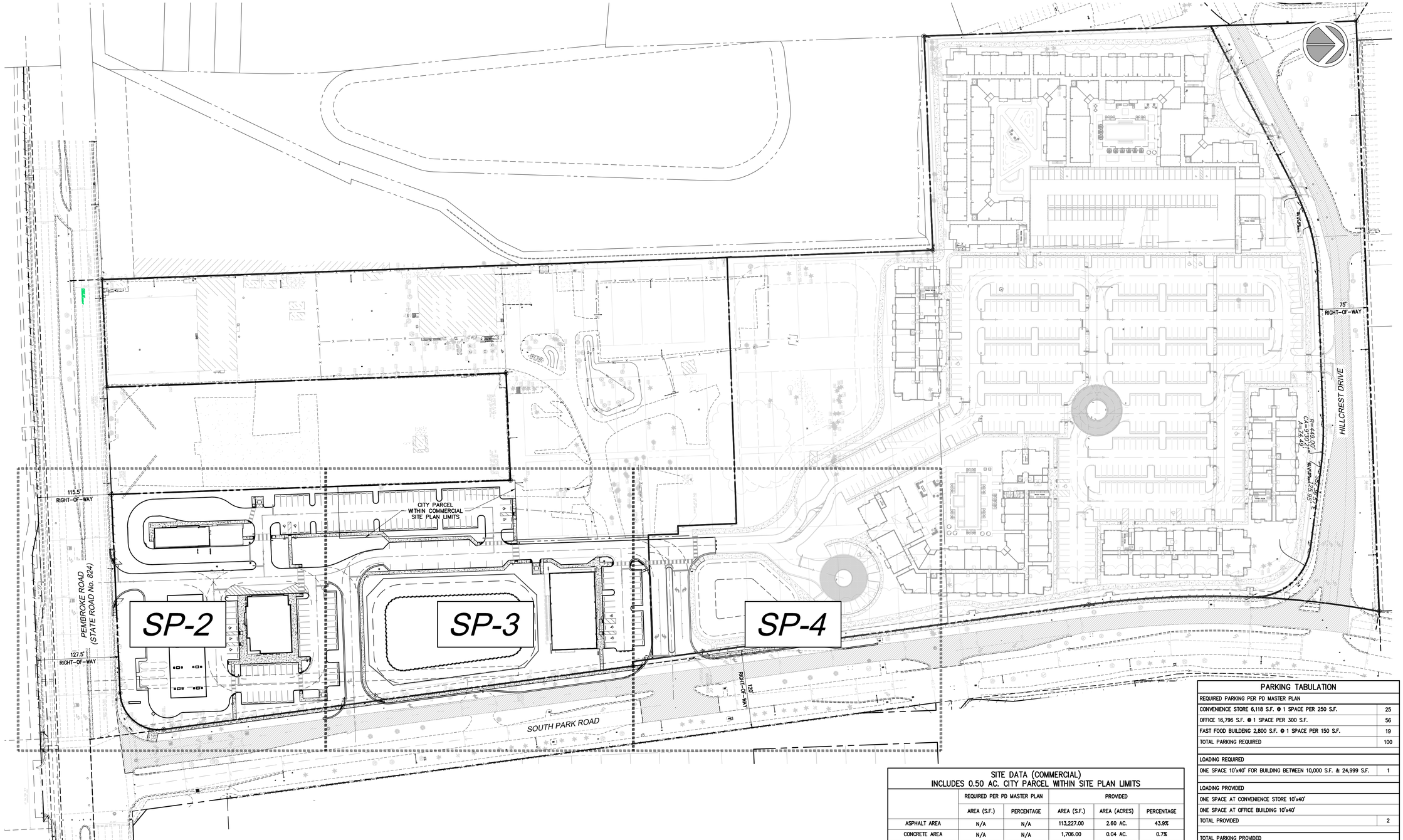
DATE: 8/22/24
SCALE: 1"=80'
DESIGNED BY: M.G.
DRAWN BY: A.V.
JOB #: 20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

This item has been digitally signed and sealed by CLIFFORD R. LOUTAN, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET No.
SP-0



NOTES:

1. ALL UTILITIES AND STORM WATER REQUIREMENTS WILL BE APPLICABLE GOVERNMENTAL REGULATIONS IS REQUIRED.
2. WATER AND SEWER PROVIDED BY CITY OF HOLLYWOOD.
3. ALL RESIDENTIAL DEVELOPMENTS THAT ANTICIPATE PHASED DEVELOPMENT SHALL INCLUDE ALL PROPOSED AMENITIES IN TOTAL.
4. ANY LIP FORM ¾", BUT NOT GREATER THAN ½" WILL BEVELED TO MEET ADA REQUIREMENTS.
5. ALL SIGNAGE SHALL BE IN COMPLIANCE W/THE ZONING AND LAND DEVELOPMENT REGULATIONS
6. MAXIMUM FOOT-CANDLE LEVEL AT ALL PROPERTY LINES (MAXIMUM 0.5 ALLOWANCE)
7. ALL SIGNS WHICH ARE ELECTRONICALLY ILLUMINATED BY NEON OR OTHER MEANS SHALL REQUIRE A SEPARATE ELECTRICAL PERMIT AND INSPECTION. SEPARATE PERMITS ARE REQUIRED FOR EACH PLAN.
8. ALL RESIDENTIAL DEVELOPMENTS THAT ANTICIPATE PHASED DEVELOPMENT SHALL INCLUDE PROPOSED AMENITIES IN TOTAL.

APPLICABLE CODE REFERENCES	
ADDRESS	1600 S. PARK ROAD HOLLYWOOD, FL 33021
JURISDICTION	CITY OF HOLLYWOOD
EXISTING ZONING	GU (GOVERNMENT USE)
PROPOSED ZONING	PD
EXISTING LAND USE	UTL (UTILITIES)
PROPOSED LAND USE	GENERAL BUSINESS HIGH (50) RESIDENTIAL
BUILDING HEIGHT	100' MAX. ALLOWED CONVENIENCE STORE: 26' OFFICE BUILDING: 39' RESTAURANT: 24'
GROSS SITE AREA	270,769 S.F. = 6.22 AC.
NET SITE AREA	270,769 S.F. = 6.22 AC.

SETBACKS		
	REQUIRED PER PD MASTER PLAN	PROVIDED
NORTH (REAR)	15'	149.78'
SOUTH (FRONT)	15'	62.98'
EAST (SIDE)	15'	34.53'
WEST (SIDE)	15'	53.69'
INTERNAL STREET TO R/W	25'	28.43'

PER PD MASTER PLAN SHOULD SETBACKS ON THE PROPOSED SITE PLAN BE LESS, THE LESS RESTRICTIVE SETBACK WILL APPLY.

SITE DATA (COMMERCIAL) INCLUDES 0.50 AC. CITY PARCEL WITHIN SITE PLAN LIMITS					
	REQUIRED PER PD MASTER PLAN		PROVIDED		
	AREA (S.F.)	PERCENTAGE	AREA (S.F.)	AREA (ACRES)	PERCENTAGE
ASPHALT AREA	N/A	N/A	113,227.00	2.60 AC.	43.9%
CONCRETE AREA	N/A	N/A	1,706.00	0.04 AC.	0.7%
BUILDINGS	64,527	25%	17,249.00	0.40 AC.	6.7%
SIDEWALK	N/A	N/A	12,073.00	0.28 AC.	4.7%
LAKE	N/A	N/A	22,149.00	0.51 AC.	8.6%
LANDSCAPE AREA	64,527	25%	91,704.00	2.11 AC.	35.5%
TOTAL NET AREA			258,108.00	5.93 AC.	100.0%
OPEN SPACE (LANDSCAPE & LAKE AREA)	64,527	25%	113,853.00	2.61 AC.	44.1%
VEHICULAR USE AREA LANDSCAPING (VUA) = 113,227 X 0.25	28,307	25%	56,086.22		39.10%

PERVIOUS CALCULATIONS					
			AREA (S.F.)	AREA (ACRES)	PERCENTAGE
PERVIOUS			91,704.00	2.11 AC.	35.5%
IMPERVIOUS			166,404.00	3.82 AC.	64.5%

PARKING TABULATION	
REQUIRED PARKING PER PD MASTER PLAN	
CONVENIENCE STORE 6,118 S.F. @ 1 SPACE PER 250 S.F.	25
OFFICE 16,796 S.F. @ 1 SPACE PER 300 S.F.	56
FAST FOOD BUILDENG 2,800 S.F. @ 1 SPACE PER 150 S.F.	19
TOTAL PARKING REQUIRED	100
LOADING REQUIRED	
ONE SPACE 10'x40' FOR BUILDING BETWEEN 10,000 S.F. & 24,999 S.F.	1
LOADING PROVIDED	
ONE SPACE AT CONVENIENCE STORE 10'x40'	
ONE SPACE AT OFFICE BUILDING 10'x40'	
TOTAL PROVIDED	2
TOTAL PARKING PROVIDED	
9'x19' – 90 DEGREE PARKING (DOES NOT INCLUDE CITY PARCEL)	79
10'x25' – PARALLEL PARKING	12
9'x19' – EV PARKING (EV READY)	6
12'x19' – HANDICAP PARKING (DOES NOT INCLUDE CITY PARCEL)	7
9'x19' – HANDICAP PARKING (VAN ACCESSIBLE)	1
TOTAL PARKING PROVIDED	105
TOTAL PARKING THIS SITE PLAN	105
TOTAL HANDICAP SPACES REQUIRED	
FOR PARKING PROVIDED BETWEEN 101 – 150 SPACES	5
TOTAL VAN ACCESSIBLE SPACES REQUIRED	
FOR PARKING PROVIDED BETWEEN 101 – 150 SPACES	1
TOTAL BIKE PARKING REQ.: 1 SPACE PER 20 REQ. PARKING SPACES	5
TOTAL BIKE PARKING PROVIDED:	8

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STE Sun-Tech Engineering, Inc.
Engineers • Planners • Surveyors

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

SITE PLAN KEY MAP

DATE: 8/22/24
SCALE: N.T.S.
DESIGNED BY: M.G.
DRAWN BY: I.A.B
JOB #: 20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
SP-1

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg
PLOT DATE: 1/7/2025 11:48 AM BY: Miguel A. Soso
LAYOUT: [SP-1]

K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg, SP-1, 1/7/2025 11:48:34 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

LANDUSE: INDUSTRIAL
ZONING: IM-1

RESTAURANT
2,800 S.F.
F.F. EL.=13.50' NAVD

PATIO
1,697 S.F.

CONVENIENCE STORE
6,100 S.F.
F.F. EL.=13.50' NAVD

SOUTH PARK ROAD

PEMBROKE ROAD
(STATE ROAD No. 824)

MATCH LINE FOR CONTINUATION SEE SHEET SP-3

GRAPHIC SCALE
1" = 20'

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Phone (954) 777-3123
Fax (954) 777-3114
STE Sun-Tech Engineering, Inc.
Engineers • Planners • Surveyors

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

SITE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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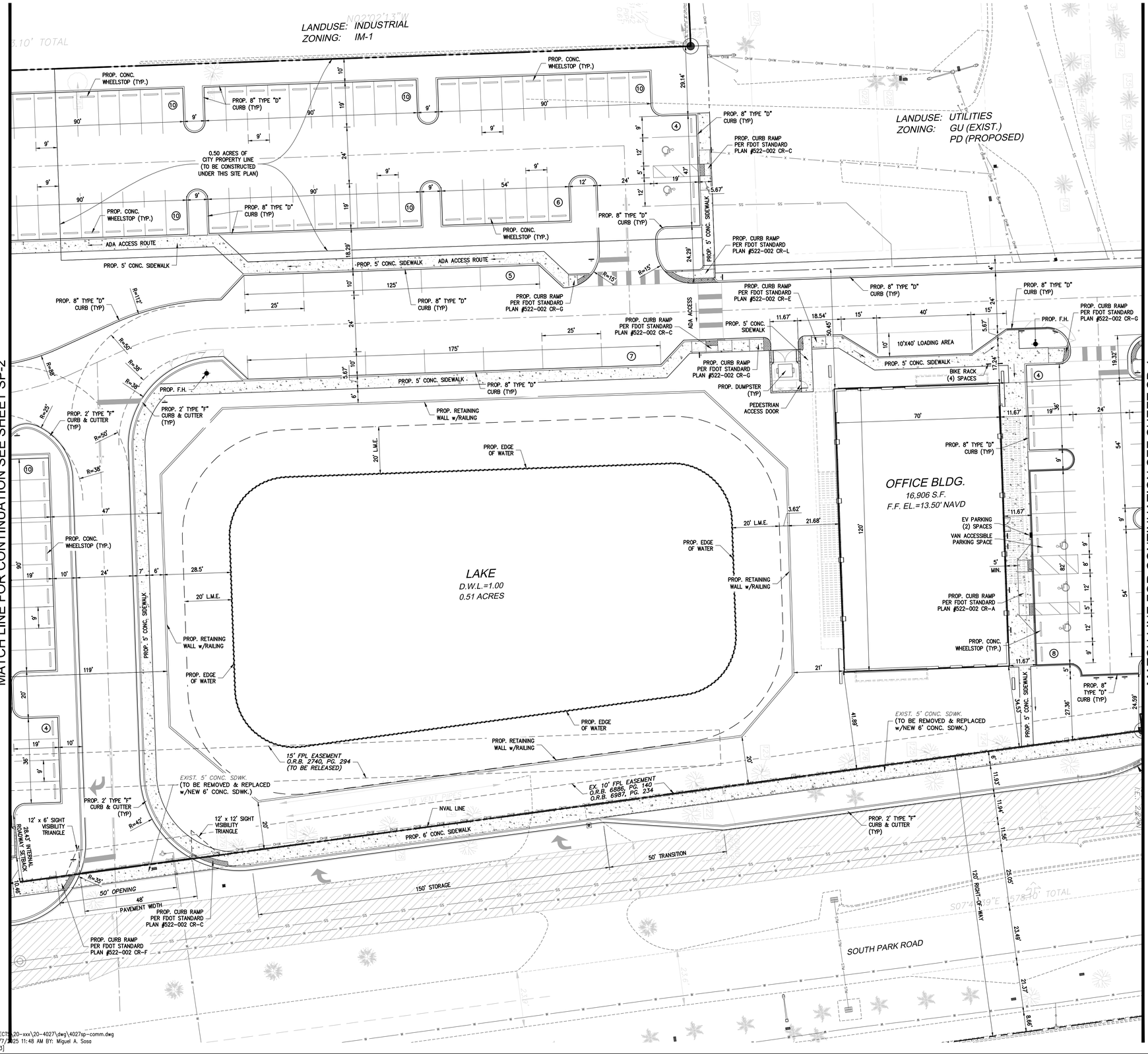
SHEET No.
SP-2

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg
PLOT DATE: 1/7/2025 11:48 AM BY: Miguel A. Soso
LAYOUT: [SP-2]

K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg, SP-2, 1/7/2025 11:48:46 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)



20 10 0 20 40
GRAPHIC SCALE
1" = 20'

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL
CITY OF HOLLYWOOD FLORIDA
SITE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
SP-3

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg
PLOT DATE: 1/7/2025 11:48 AM BY: Miguel A. Sosa
LAYOUT: [SP-3]

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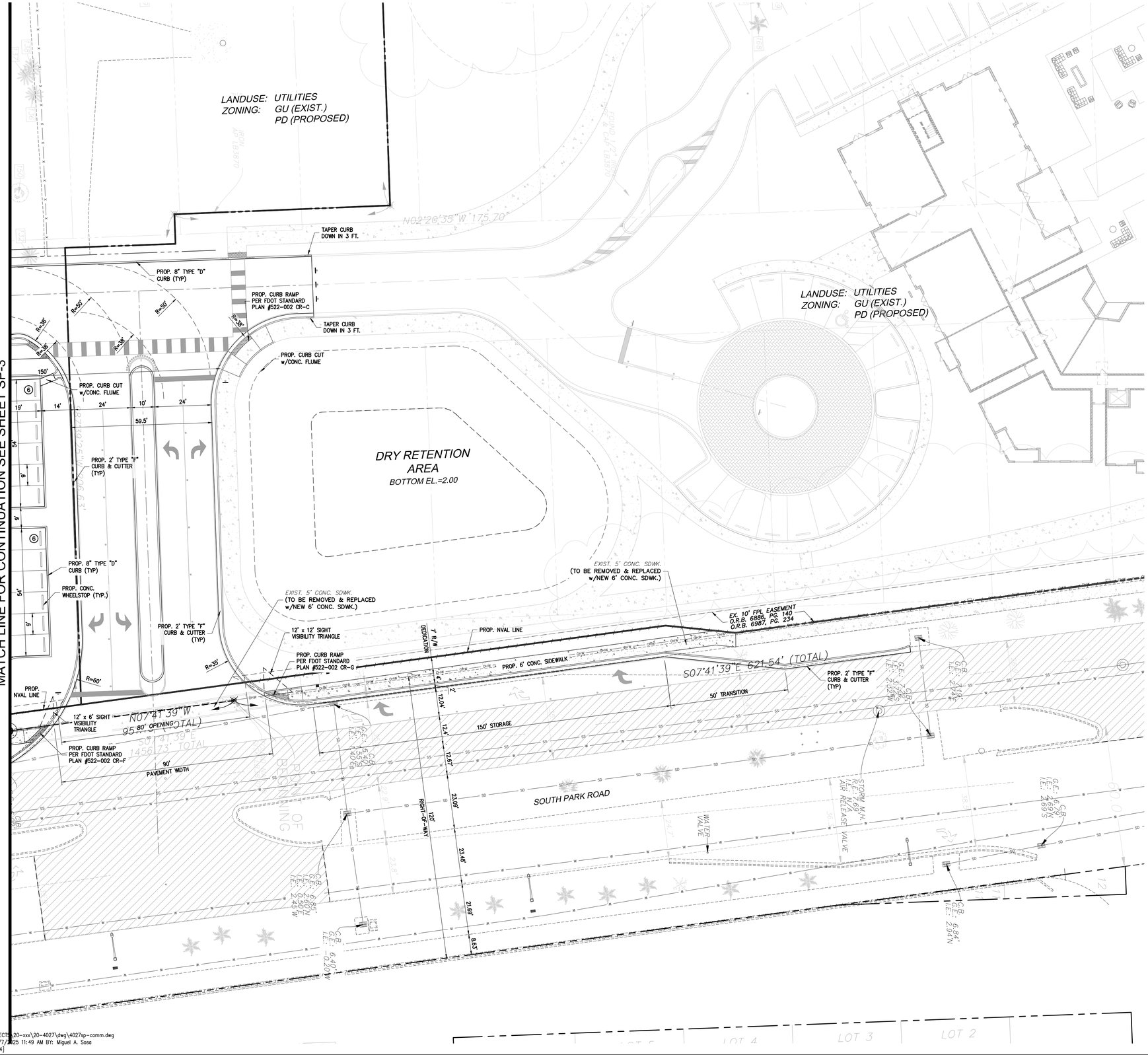

20 10 0 20 40

GRAPHIC SCALE
1" = 20'

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

SITE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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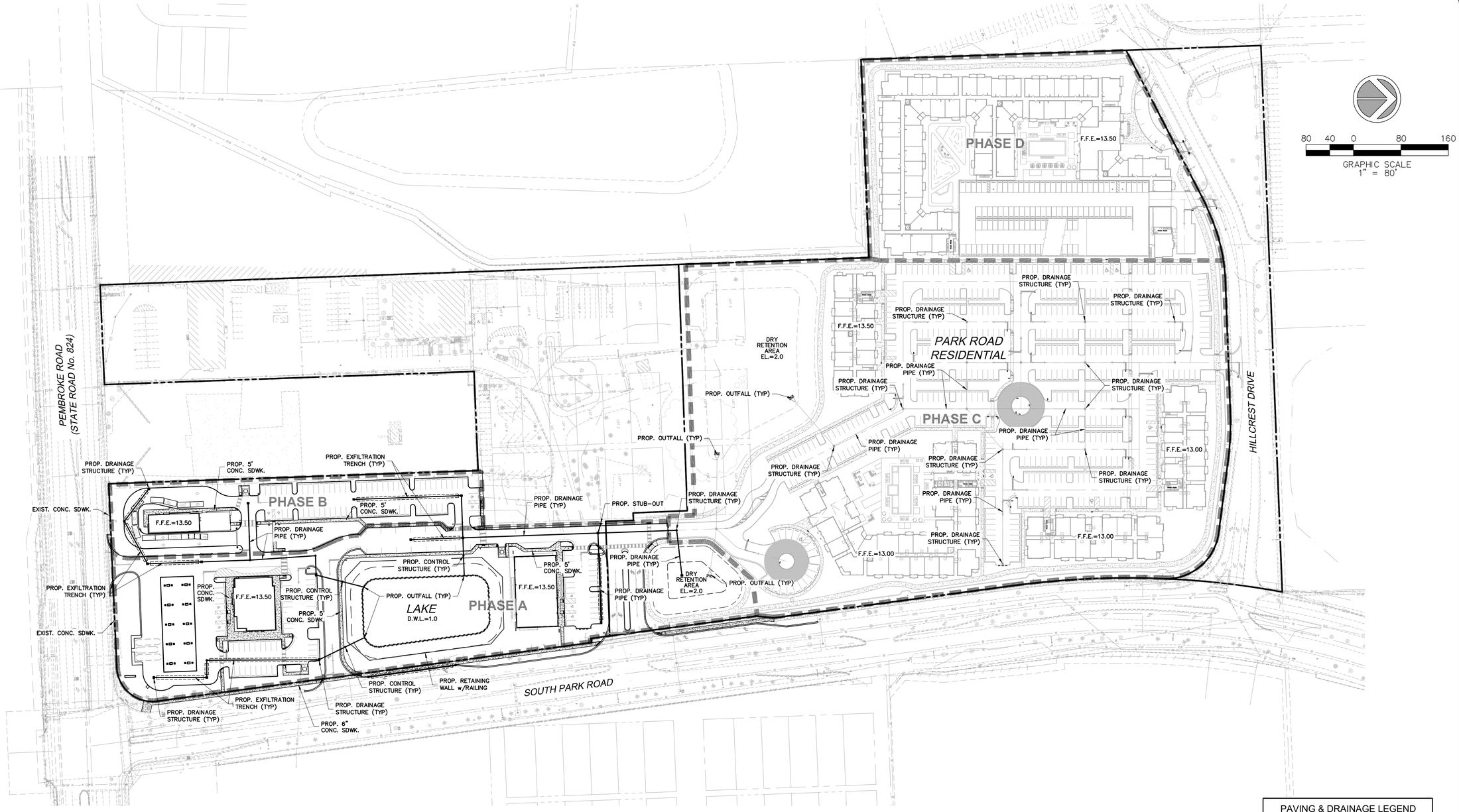
SHEET No.
SP-4

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg
PLOT DATE: 1/7/2025 11:49 AM BY: Miguel A. Soso
LAYOUT: [SP-4]

K:\PROJECTS\20-xxx\20-4027\dwg\4027sp-comm.dwg, SP-4, 1/7/2025 11:49:01 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)



NOTE:

ALL ELEVATIONS IN N.A.V.D. 88.

CONVERSION FACTOR FROM N.G.V.D. 29 TO N.A.V.D. 88 IS (-)1.58 (11.00 N.G.V.D. = 9.42 N.A.V.D.)

PAVING & DRAINAGE LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E.= I.E.=	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
9.00	EXISTING GRADE
0.00	PROPOSED GRADE
	D.I.P. PIPE
	DRAINAGE STRUCTURE w/PIPE
	DRAINAGE STRUCTURE w/EXFILTRATON TRENCH

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD, FLORIDA

PAVING & DRAINAGE OVERALL PLAN

DATE:	8/22/24
SCALE:	1"=80'
DESIGNED BY:	M.G.
DRAWN BY:	A.V.
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
PD-0

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027pd-comm-ov.dwg
PLOT DATE: 1/7/2025 11:49 AM BY: Miguel A. Sosa
LAYOUT: [PD-0]

K:\PROJECTS\20-xxx\20-4027\dwg\4027pd-comm-ov.dwg, PD-0, 1/7/2025 11:49:13 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

PEMBROKE ROAD
(STATE ROAD No. 824)

SOUTH PARK ROAD

PD-2

PD-3

PD-4

NOTE:

1. ALL ELEVATIONS IN N.A.V.D. 88.
2. CONVERSION FACTOR FROM N.G.V.D. 29 TO N.A.V.D. 88 IS (-)1.58 (11.00 N.G.V.D. = 9.42 N.A.V.D.)
3. ANY LIP FROM ¼" BUT NOT GREATER THAN ½" WILL BE BEVELED TO MEET ADA REQUIREMENTS.
4. ADJACENT CITY ROADWAY WILL BE MILLED AND RESURFACED AS SHOWN.
5. ALL DRIVEWAY CONNECTIONS TO EXISTING ROADWAYS ARE ASPHALT WITH A MINIMUM 8" LIMEROCK BASE AND 1 ½" TYPE SP 9.5 ASPHALTIC CONCRETE OVER PRIME COAT (DBL. COURSE)DRIVEWAY TO BE CONSTRUCTED FLUSH WITH EXISTING ROADWAY AND EXISTING ASPHALT TO BE SAWCUT FOR A CLEAN STRAIGHT EDGE.
6. ALL ROOF DRAINS WILL BE TIED DIRECTLY INTO DRAINAGE STRUCTURES.
7. SWALES TO BE RESTORED ALONG RIGHT-OF-WAY ADJACENT TO THE PROPERTY IN ACCORDANCE WITH CITY DETAIL.

PAVING & DRAINAGE LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E.= I.E.=	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
9.00	EXISTING GRADE
0.00	PROPOSED GRADE
	D.I.P. PIPE
	CONCRETE
	PAVEMENT
	MILL AND RESURFACE LIMITS

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg
PLOT DATE: 1/7/2025 11:49 AM BY: Miguel A. Soso
LAYOUT: [PD-1]

K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg, PD-1, 1/7/2025 11:49:32 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVING, GRADING & DRAINAGE KEY MAP

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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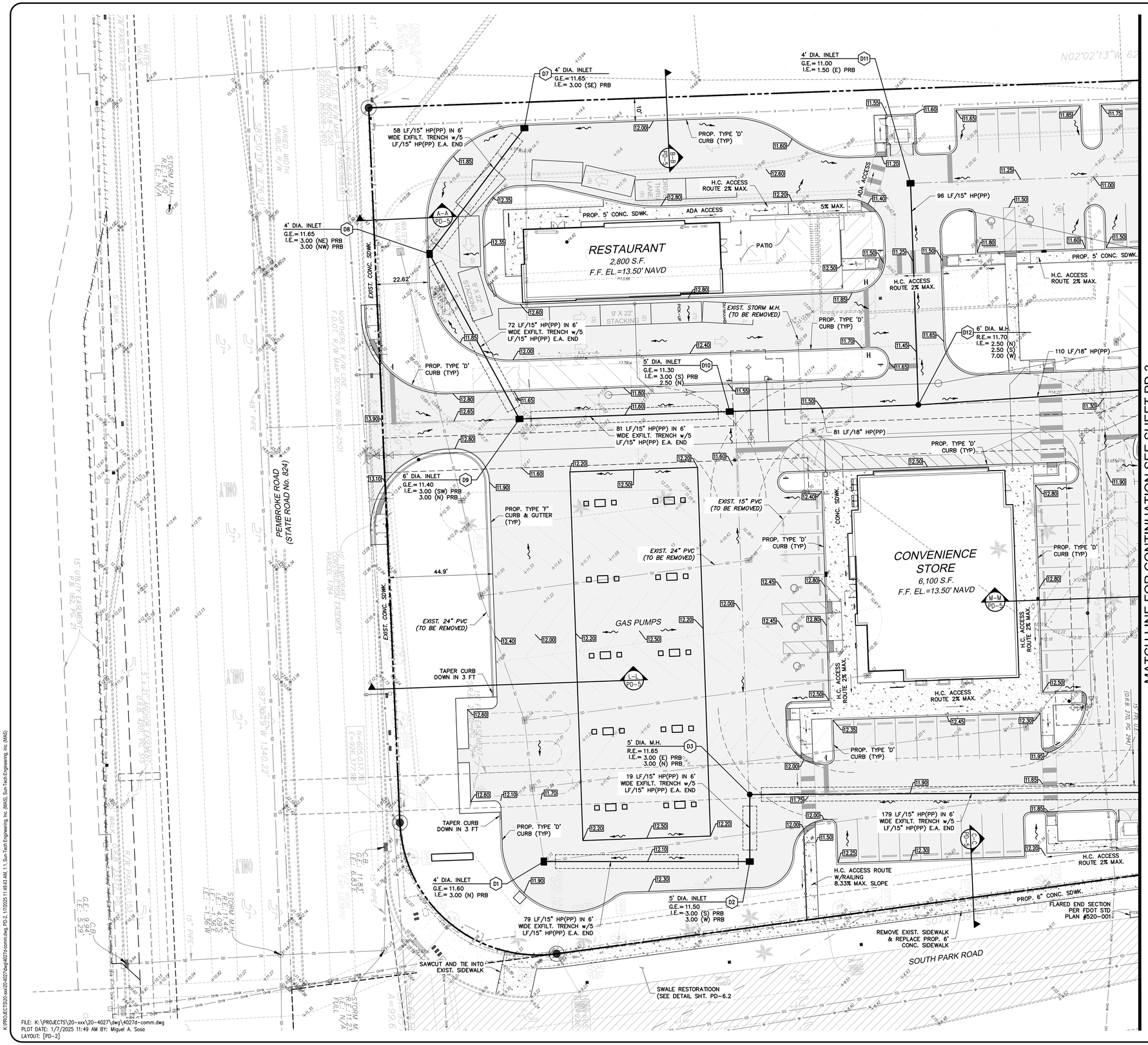
SHEET No.
PD-1



20 10 0 20 40

GRAPHIC SCALE
1" = 20'

ALL ELEVATIONS REFER TO NAVD 88 VERTICAL DATUM

PAVING & DRAINAGE LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E. = I.E. =	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
0.00	EXISTING GRADE
0.00	PROPOSED GRADE
	D.I.P. PIPE
	CONCRETE
	PAVEMENT
	MILL AND RESURFACE LIMITS

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL
CITY OF HOLLYWOOD FLORIDA
PAVING, GRADING & DRAINAGE PLAN

DATE:	8/22/24
SCALE:	1"=20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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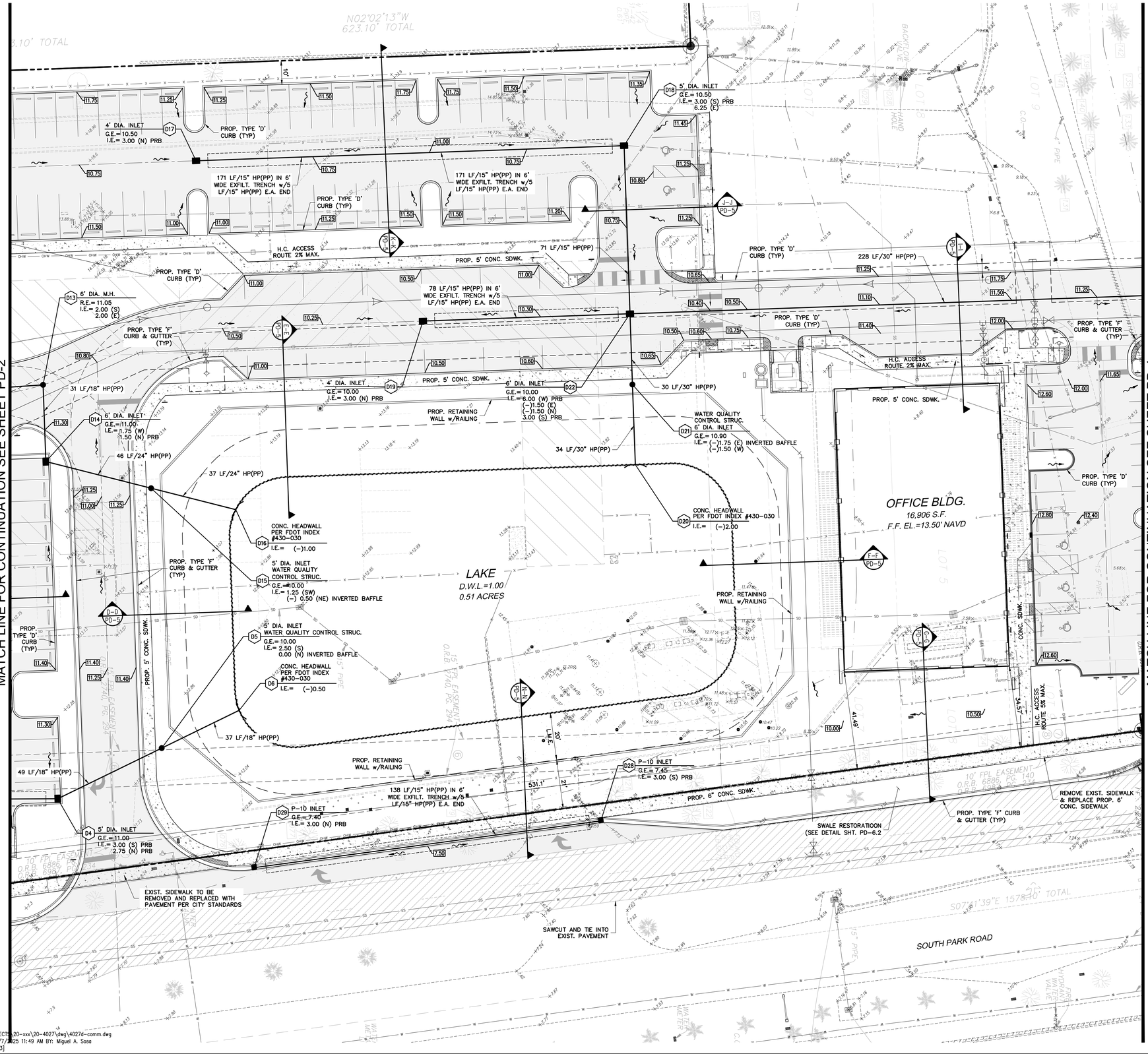
SHEET No.
PD-2

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg
PLOT DATE: 1/7/2025 11:49 AM BY: Miguel A. Sosa
LAYOUT: [PD-2]

K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg, PD-2, 1/7/2025 11:49:43 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)



20 10 0 20 40
GRAPHIC SCALE
1" = 20'

ALL ELEVATIONS REFER TO NAVD 88 VERTICAL DATUM

PAVING & DRAINAGE LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY LINE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E.= I.E.=	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
0.00	EXISTING GRADE
0.00	PROPOSED GRADE
	D.I.P. PIPE
	CONCRETE
	PAVEMENT
	MILL AND RESURFACE LIMITS

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVING, GRADING & DRAINAGE PLAN

DATE:	8/22/24
SCALE:	1"=20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
PD-3

K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg, PD-3, 1/7/2025 11:49:53 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)
FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg
PLOT DATE: 1/7/2025 11:49 AM BY: Miguel A. Sosa
LAYOUT: [PD-3]

MATCH LINE FOR CONTINUATION SEE SHEET PD-3

PLUG @ EL. (–)1.95.

TAPER CURB DOWN IN 3 FT (TYP)

D26 7' DIA. M.H.
R.E.= 11.25
I.E.= (–)3.00 (S)
(–)3.00 (E) PRB

17 LF/24" HP(PP)

133 LF/30" HP(PP)

D25 6' DIA. INLET
G.E.= 11.00
I.E.= (–)2.50 (N)
(–)2.50 (S)
2.75 (W)
2.00 (E)

TAPER CURB DOWN IN 3 FT

37 LF/15" HP(PP)

77 LF/30" HP(PP)

CURB CUT w/CONC. FLUME

D24 4' DIA. INLET
G.E.= 11.00
I.E.= 3.00 (E) PRB
2.50 (W)

D27 TYPE "E" INLET w/USF #6606 GRATE w/CONC. APRON
G.E.= 2.00
I.E.= (–)3.00

DRY RETENTION AREA
BOTTOM EL.=2.00

PROP. TYPE 'D' CURB (TYP)

PROP. TYPE 'F' CURB & GUTTER (TYP)

104 LF/15" HP(PP) IN 6' WIDE EXFILT. TRENCH w/5 LF/15" HP(PP) E.A. END

D23 4' DIA. INLET
G.E.= 11.00
I.E.= 3.00 (E) PRB

EXIST. DIRECTIONAL ARROW TO BE REMOVED

EXIST. DIRECTIONAL ARROW TO BE REMOVED

REMOVE EXIST. SIDEWALK & REPLACE PROP. 6' CONC. SIDEWALK

SWALE RESTORATIOON (SEE DETAIL SHT. PD–6.2

FLARED END SECTION PER FDOT STD PLAN #520–001

TIE INTO EXIST. SIDEWALK

S07°41'39"E 621.54' (TOTAL)

SAWCUT AND TIE INTO EXIST. PAVEMENT

PROP. TYPE 'F' CURB & GUTTER (TYP)

N07°41'39"W 951.10' (TOTAL)

MODIFY EXIST. INLET TO CURB INLET

SAWCUT AND TIE INTO EXIST. PAVEMENT

SAWCUT AND TIE INTO EXIST. PAVEMENT

STORM M.H. R.E.= N/A AIR RELEASE VALVE

WATER VALVE

HAND HOLE

ALL ELEVATIONS REFER TO NAVD 88 VERTICAL DATUM

PAVING & DRAINAGE LEGEND

	PROPERTY LINE
	RIGHT–OF–WAY LINE
R.E.	RIM ELEVATION
G.E.	GRATE ELEVATION
I.E.	INVERT ELEVATION
	DIRECTION OF FLOW
150' @ 0.5%	PAVEMENT SLOPE
P.R.B.	POLLUTION RETARDANT BASIN
F.F.= 10.00	FINISHED FLOOR ELEVATION
	EXISTING OR FUTURE UTILITIES
CATCH BASIN G.E. = I.E. =	STRUCTURE DESIGNATION
100 L.F./ 15"	LENGTH, SIZE OF STORM DRAIN
0.00	EXISTING GRADE
0.00	PROPOSED GRADE
	D.I.P. PIPE
	CONCRETE
	PAVEMENT
	MILL AND RESURFACE LIMITS

20 10 0 20 40
GRAPHIC SCALE
1" = 20'

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Fax (954) 777-3114

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL
CITY OF HOLLYWOOD FLORIDA
PAVING, GRADING & DRAINAGE PLAN

DATE:	8/22/24
SCALE:	1"=20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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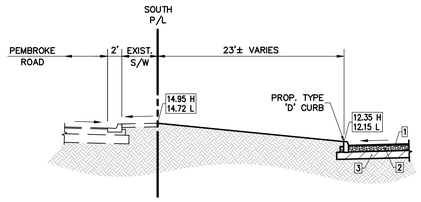
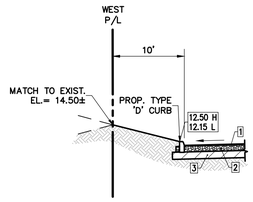
SHEET No.
PD-4

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027d-comm.dwg
PLOT DATE: 1/7/2025 11:50 AM BY: Miguel A. Sosa
LAYOUT: [PD-4]



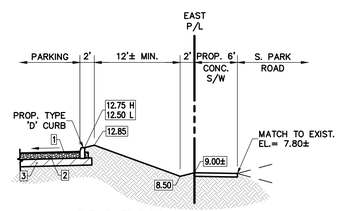
SECTION A-A

SCALE: 1"=10'



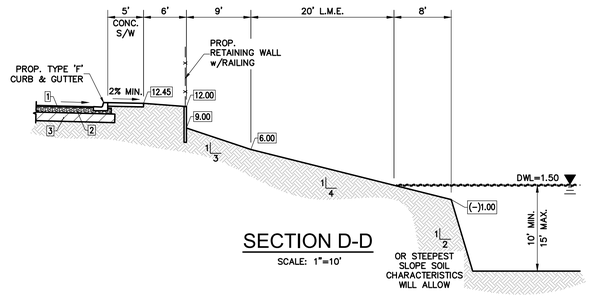
SECTION B-B

SCALE: 1"=10'



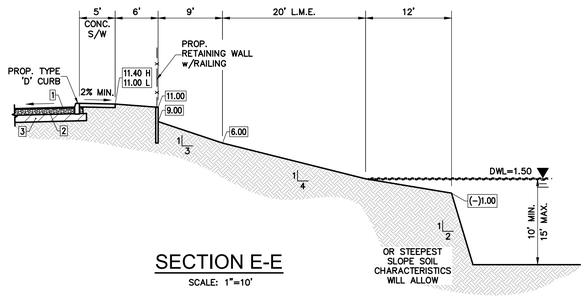
SECTION C-C

SCALE: 1"=10'



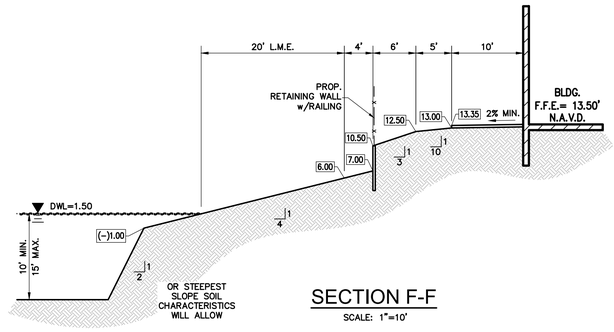
SECTION D-D

SCALE: 1"=10'



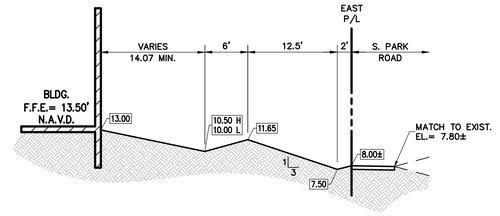
SECTION E-E

SCALE: 1"=10'



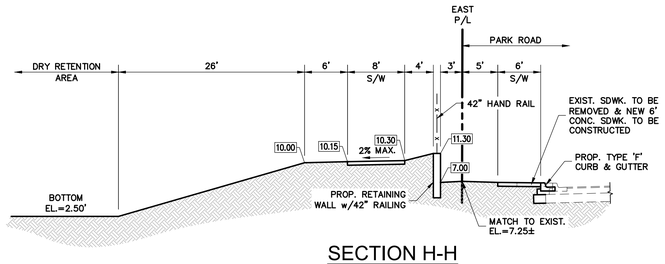
SECTION F-F

SCALE: 1"=10'



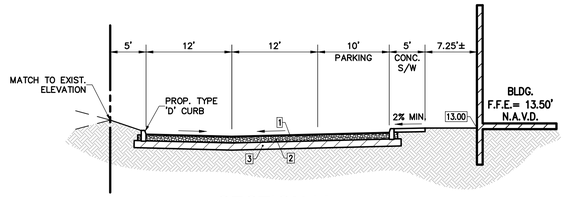
SECTION G-G

SCALE: 1"=10'



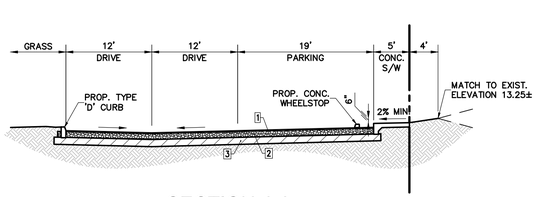
SECTION H-H

SCALE: 1"=10'



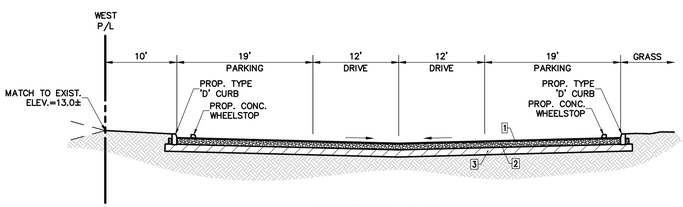
SECTION I-I

SCALE: 1"=10'



SECTION J-J

SCALE: 1"=10'



SECTION K-K

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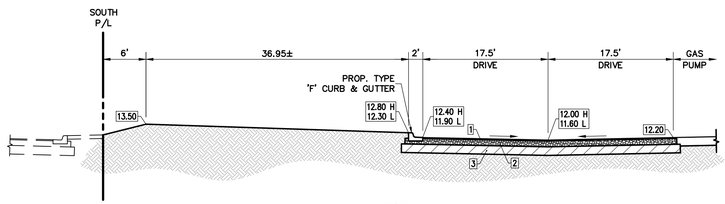

SECTION L-L

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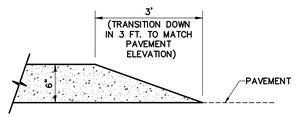
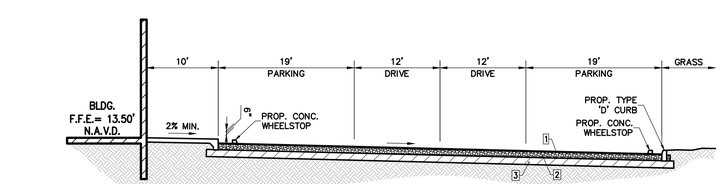


CURB TAPER DETAIL

SCALE: 1"=10'



SECTION M-M

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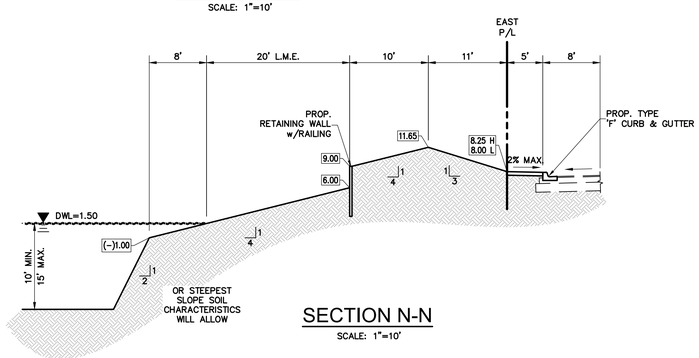

SECTION N-N

SCALE: 1"=10'

ON-SITE PAVEMENT NOTES:

1. 1½" THICK ASPHALT, TWO LIFTS, ¾" TYPE S-3 ASPHALT.
2. THE BASE COURSE SHALL BE LIMEROCK (70% CALCIUM) 8" THICK PRIMED COMPACTED IN ACCORDANCE w/AASHTO SPECIFICATION T-180 TO 98% DENSITY, MIN. LBR 100.
3. 12" STABILIZED SUBGRADE MIN. DRY DENSITY 115 PCF COMPACTED TO 98% AASHTO T-180 METHOD "C" MIN. LBR TO BE 40.

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027ddt-comm.dwg
PLOT DATE: 1/7/2025 11:50 AM BY: Miguel A. Sosa
LAYOUT: [PD-5]

K:\PROJECTS\20-xxx\20-4027\dwg\4027ddt-comm.dwg, PD-5, 1/7/2025 11:50:14 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

4577 Nob Hill Road, Suite 102
Sunrise, FL 33351
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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVING, GRADING & DRAINAGE DETAILS

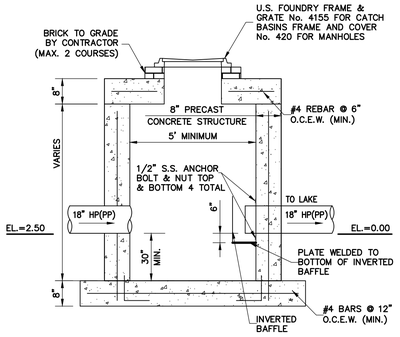
DATE:	8/22/24
SCALE:	1" = 10'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUIS
LICENSE
No. 56890
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

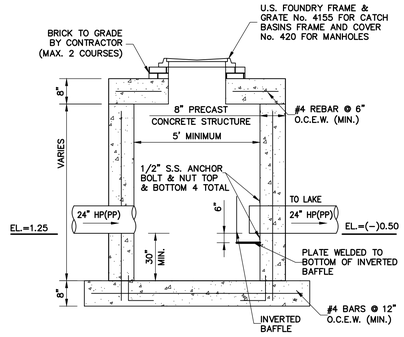
Date: **January 7, 2025**

SHEET No.

PD-5



CONTROL STRUCTURE
STRUCTURE D5
N.T.S.



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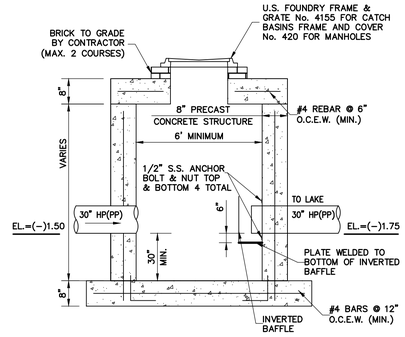
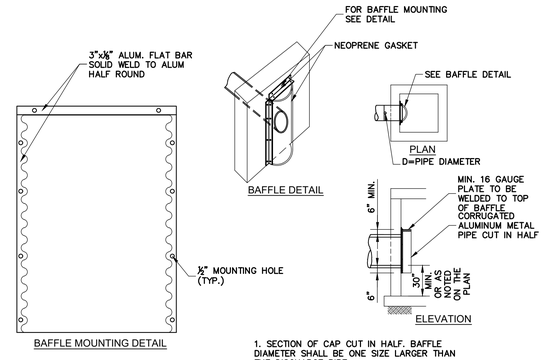
STRUCTURE D15
N.T.S.



CONTROL STRUCTURE
STRUCTURE D21
N.T.S.

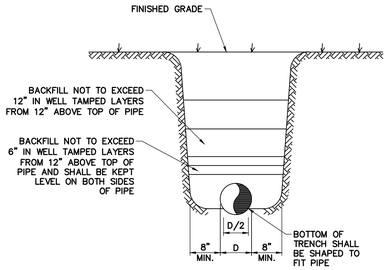


1. SECTION OF CAP CUT IN HALF. BAFFLE DIAMETER SHALL BE ONE SIZE LARGER THAN THE DISCHARGE PIPE.

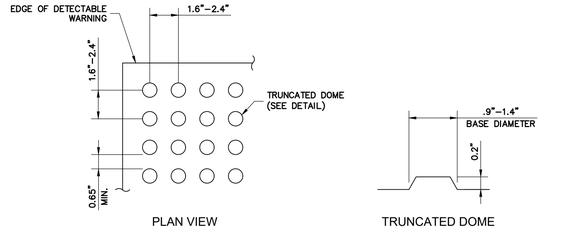
POLLUTION RETARDANT BASIN
(ALL STRUCTURES SEE PLAN FOR BAFFLE LOCATION)

NOTE:

INVERTED BAFFLE: PLATE TO BE WELDED TO BOTTOM OF BAFFLE. TOP OF BAFFLE TO BE OPEN AND SET AT ELEVATION AS SHOWN ON CONTROL STRUCTURE DETAILS

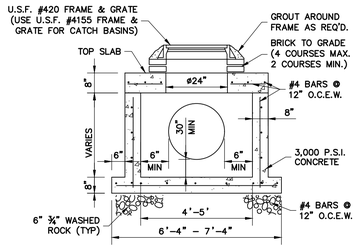


PIPE BEDDING DETAIL
N.T.S

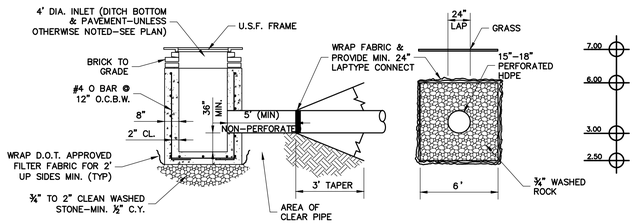


All Sidewalk Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

CURB RAMP DETECTABLE WARNING
N.T.S.



4'-5' DIAM. CATCH BASIN OR MANHOLE
N.T.S



NOTE:
COMPACT TRENCH BACFFILL AND SOIL WITHIN MIN. 5' OFF TRENCH TO MIN. 95% OF MAX. DRY DENSITY PER ASTM D-1557.

EXFILTRATION TRENCH DETAIL
N.T.S.

4577 Nob Hill Road, Suite 102
Sunrise, FL 33351
www.suntecheng.com
Certificate of Auth. #7097/LB 7019
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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL
CITY OF HOLLYWOOD FLORIDA
PAVING, GRADING & DRAINAGE DETAILS

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

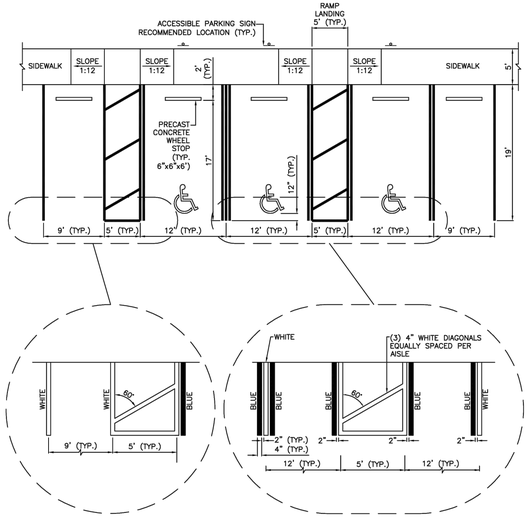
CLIFFORD R. LOUMAN
LICENSE
No. 56890
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Date: **January 7, 2025**

SHEET No.
PD-6

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027ddt-comm.dwg
PLOT DATE: 1/7/2025 11:50 AM BY: Miguel A. Sosa
LAYOUT: [PD-6]

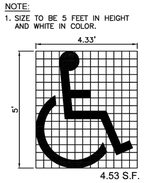
ACCESSIBLE PARKING SPACE COMPLYING WITH FLORIDA AND ADA REQUIREMENTS (*)



(*) IN CASE OF CONFLICT PLANS TO COMPLY WITH ADA 406 & 502, AND FDOT 711-001 (SHEET 11)

NOTE:
ALL LETTERS ARE 1" SERIES AT 1" SPACING

NOTE:
1. SIZE TO BE 5 FEET IN HEIGHT AND WHITE IN COLOR.



ACCESSIBLE PAVEMENT SYMBOL

SIGNAGE NOTES:

1. FTP-21-06 & FTP-22-06 SIGN SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 700-102.
2. SIGN POST SHALL BE IN ACCORDANCE WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION "GROUND SIGN ASSEMBLY DETAILS", LATEST REVISION.

NOTES:

1. PROVIDE PAVEMENT SYMBOL IN ACCESSIBLE PARKING SPACES. THE SYMBOL SHALL BE WHITE IN COLOR PER ADA STANDARDS.
2. BLUE MARKINGS SHALL BE SHADED.
3. SLOPES NO GREATER THAN 1:48 SHALL BE PERMITTED IN ALL DIRECTIONS FOR BOTH THE ACCESSIBLE PARKING SPACE AND ACCESSIBLE PARKING ACCESS AISLE.
4. ALL RAMPS, SIDEWALK, CURB RAMPS, AND ACCESSIBLE ROUTES SHALL BE ADA COMPLIANT.
5. WIDTH MEASUREMENTS OF PARKING SPACES AND ACCESS AISLES SHALL BE MADE FROM THE CENTERLINE OF THE WHITE PAVEMENT MARKINGS. HOWEVER, WHEN PARKING SPACES OR ACCESS AISLES ARE ADJACENT TO A CURB OR EDGE OF PAVEMENT AND NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLE; THEN THE WIDTH MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE LAST PAVEMENT MARKING.
6. ALL ACCESSIBLE ELEMENTS SHALL BE COMPLIANT WITH THE DEPARTMENT OF JUSTICE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE FLORIDA BUILDING CODE LATEST EDITION FOR "ACCESSIBILITY".
7. ALL PARKING PAVEMENT MARKINGS SHALL BE 4" REFLECTORIZED PAINT MEETING FDOT/BCTED STANDARDS.
8. ACCESSIBLE PARKING SIGNS SHALL BE 60" MINIMUM ABOVE FINISH FLOOR OR GROUND SURFACE MEASURED FROM BOTTOM OF THE SIGN.

ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

ACCESSIBLE PARKING SPACE DETAILS (1 OF 2)

REVISED: –

DRAWING NO.: C-21

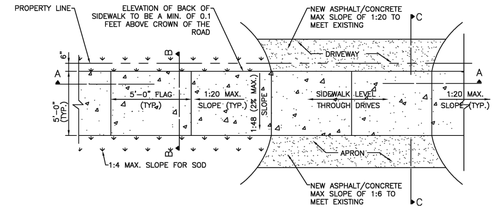
ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

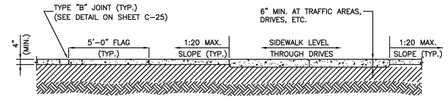
ACCESSIBLE PARKING SPACE DETAILS (2 OF 2)

REVISED: –

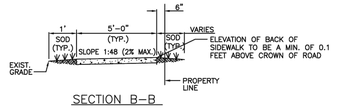
DRAWING NO.: C-22



PLAN



SECTION A-A



SECTION B-B

NOTE:
1. ALL SIDEWALK CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE ADA STANDARDS.
2. LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF THE SIDEWALK.
3. ALL SIDEWALKS CROSS SLOPES SHALL BE 1:48 (2% MAX.); AND, RUNNING SLOPES 1:20 MAX.

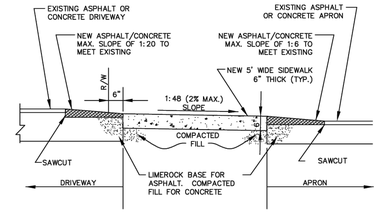
ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

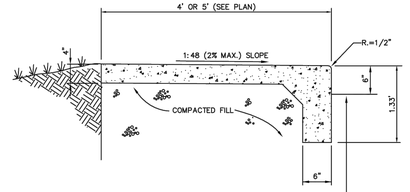
SIDEWALK CONSTRUCTION DETAILS (1 OF 3)

REVISED: –

DRAWING NO.: C-23



SECTION C-C



SIDEWALK WITH CURB

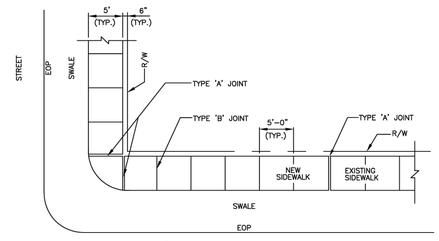
ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

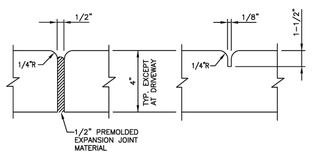
SIDEWALK CONSTRUCTION DETAILS (2 OF 3)

REVISED: –

DRAWING NO.: C-24



PLAN



TYPE 'A' TYPE 'B'

SIDEWALK JOINTS

TABLE OF SIDEWALK JOINTS

TYPE	LOCATION
'A'	P.C. & P.T. OF CURVES; JUNCTION OF EXISTING AND NEW SIDEWALKS; WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.
'B'	5' CENTER TO CENTER ON SIDEWALKS.

NOTES:

1. CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
2. USE OF FIBER REINFORCED CEMENT IS PROHIBITED.
3. SIDEWALK LONGITUDINAL AND CROSS SLOPES SHALL MEET ADA STANDARDS.
4. SIDEWALK CURB RAMPS SHALL BE PROVIDED AT ALL DESIGNATED PEDESTRIAN CROSSING AT INTERSECTIONS PER FDOT STANDARD PLANS INDEX NO. 522-002.
5. THE VERTICAL DEVIATION OF THE COVER/LID OF A GIVEN UTILITY BOX/STRUCTURE SHALL NOT BE MORE THAN A ¼" DIFFERENCE IN HEIGHT/ELEVATION OF THE FINISHED SIDEWALK SURFACE.
6. 4" THICK MINIMUM (TYP.); 6" THICK AT DRIVEWAYS, EXTENDED TWO FEET ON BOTH SIDES BEYOND THE DRIVE.

ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

SIDEWALK CONSTRUCTION DETAILS (3 OF 3)

REVISED: –

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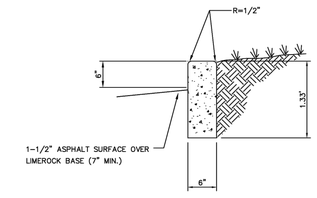
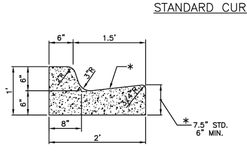
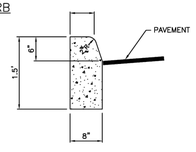


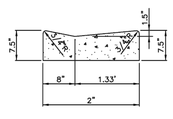
STANDARD CURB



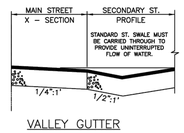
6" CURB & GUTTER (FDOT TYPE "F")



TYPE 'D' CURB



DRIVEWAY CURB & GUTTER



VALLEY GUTTER

* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

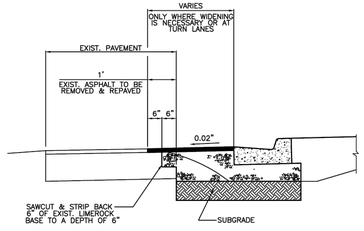
ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

CURB AND GUTTER DETAILS

REVISED: –

DRAWING NO.: C-26



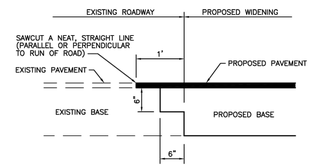
ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

WIDENING DETAIL

REVISED: –

DRAWING NO.: C-27



ISSUED:	MAY 2023
DRAWN:	EG
APPROVED:	JG

DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING, TRANSPORTATION & MOBILITY DIVISION

SAWCUT DETAIL

REVISED: –

DRAWING NO.: C-28

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Sunrise, FL 33351
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Phone (954) 777-3123
Fax (954) 777-3114

STE Sun-Tech Engineering, Inc.
Engineers • Planners • Surveyors

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVING, GRADING & DRAINAGE DETAILS

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOVAN
LICENSE
No. 56890
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Date: **January 7, 2025**

SHEET No.
PD-6.1

K:\PROJECTS\20-xxx\20-4027\dwg\4027ddt-comm.dwg, PD-6.1, 1/7/2025 11:50:26 AM, 1:1, Sun-Tech Engineering, Inc. (MAS), Sun-Tech Engineering, Inc. (MAS)

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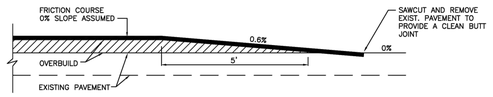
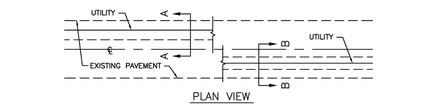
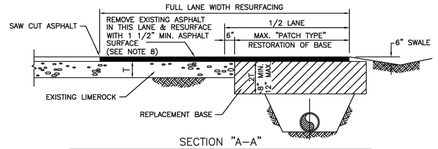
LAYOUT: [PD-6.1]



ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: –	
DRAWN: EG	FEATHERING DETAIL	DRAWING NO.: C–29	
APPROVED: JG			

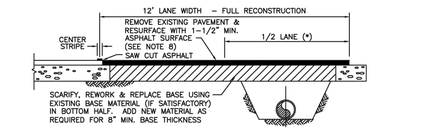


PLAN VIEW



SECTION "A–A"

TYPICAL RESTORATION OF LESS THAN 1/2 LANE OF ROCK BASE



SECTION "B–B"

TYPICAL RESTORATION OF 1/2 LANE OR MORE OF ROCK BASE

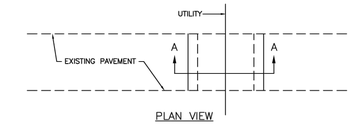
FLEXIBLE PAVEMENT RESTORATION
PARALLEL UTILITY INSTALLATION

(*) IF TRENCH IMPACTS MORE THAN ½ A LANE WIDTH SECTION B–B SHALL BE USED.

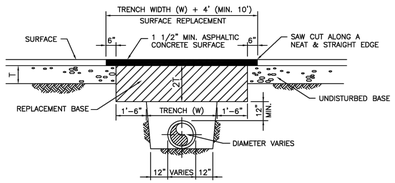
NOTES:

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 8" 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	FLEXIBLE PAVEMENT RESTORATION PARALLEL UTILITY INSTALLATION	DRAWING NO.: C–30	
APPROVED: JG			



PLAN VIEW

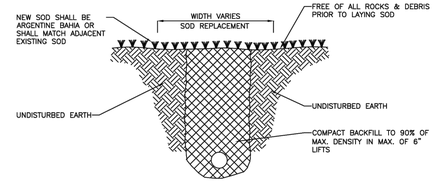


SECTION "A–A"

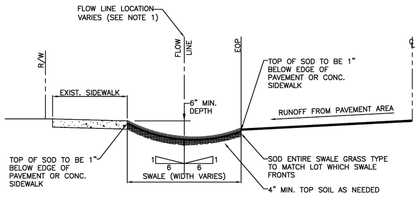
NOTES:

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–180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
5. SURFACE MATERIAL SHALL BE CONSISTENT WITH THE EXISTING SURFACE.
6. BASE MATERIAL SHALL HAVE A MINIMUM LBR 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	FLEXIBLE PAVEMENT RESTORATION PERPEND. UTILITY INSTALLATION	DRAWING NO.: C–31	
APPROVED: JG			



ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: –	
DRAWN: EG	TURF RESTORATION DETAIL	DRAWING NO.: C–32	
APPROVED: JG			



NOTES:

1. HORIZONTAL BOTTOM (FLOW LINE) OF SWALE LOCATION IS TO BE PLACED AT THE POINT WHERE 6:1 SLOPE FROM THE EDGE OF S/W AND 6:1 SLOPE FROM EDGE OF PAVEMENT MEET.
2. TOP OF SOD ELEVATION AS SHOW ABOVE.

ISSUED: MAY 2023	DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION	REVISED: –	
DRAWN: EG	TYPICAL SWALE GRADING	DRAWING NO.: C–33	
APPROVED: JG			

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PLOT DATE: 1/7/2025 11:50 AM BY: Miguel A. Sosa
LAYOUT: [PD-6.2]

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Engineers • Planners • Surveyors

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

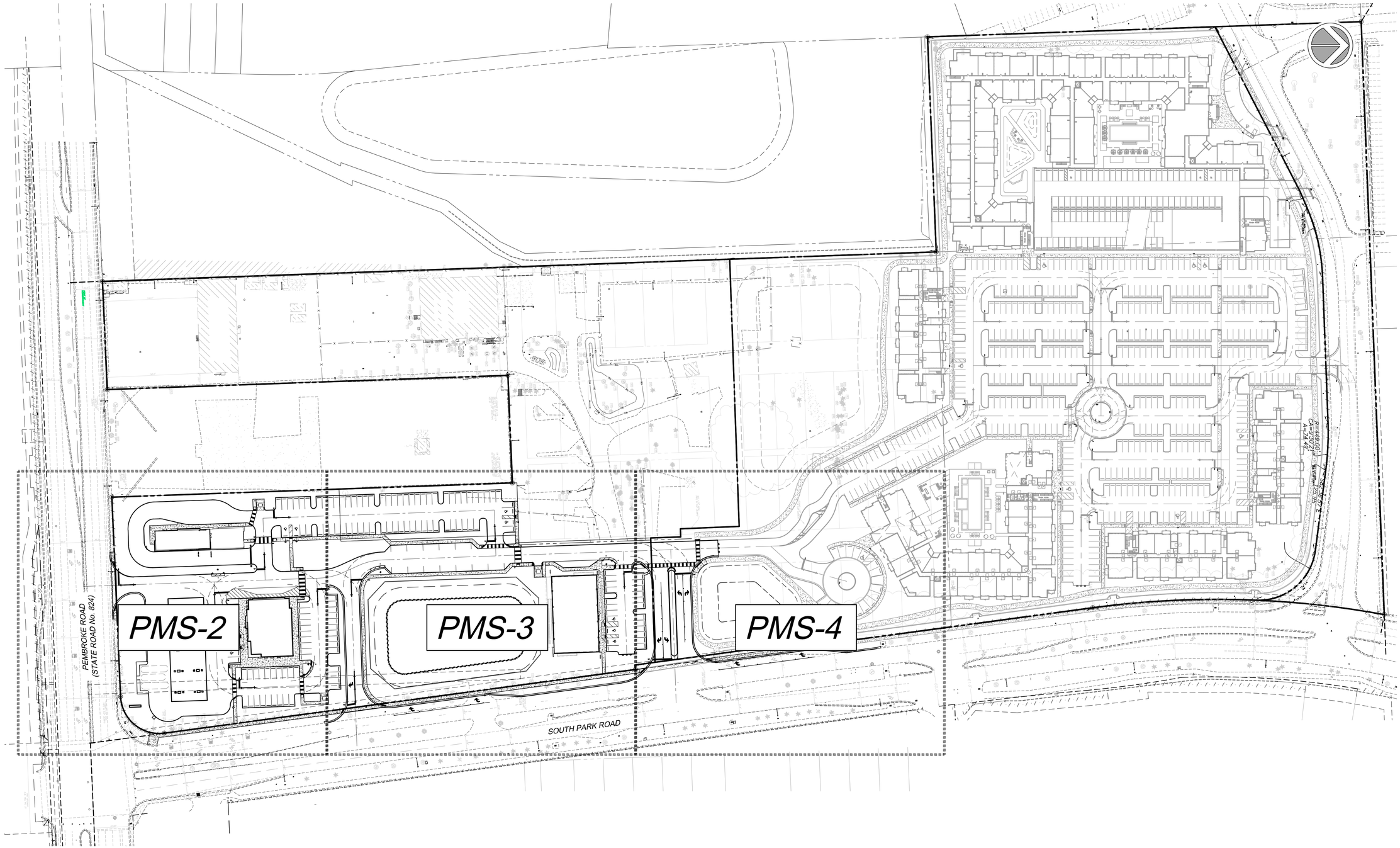
PAVING, GRADING & DRAINAGE DETAILS

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOVAN
LICENSE
No. 56890
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Date: **January 7, 2025**

SHEET No.
PD-6.2



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LAYOUT: [PMS-1]

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL
CITY OF HOLLYWOOD FLORIDA
PAVEMENT MARKINGS AND SIGNAGE KEY MAP

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN
LICENSE
No. 56890
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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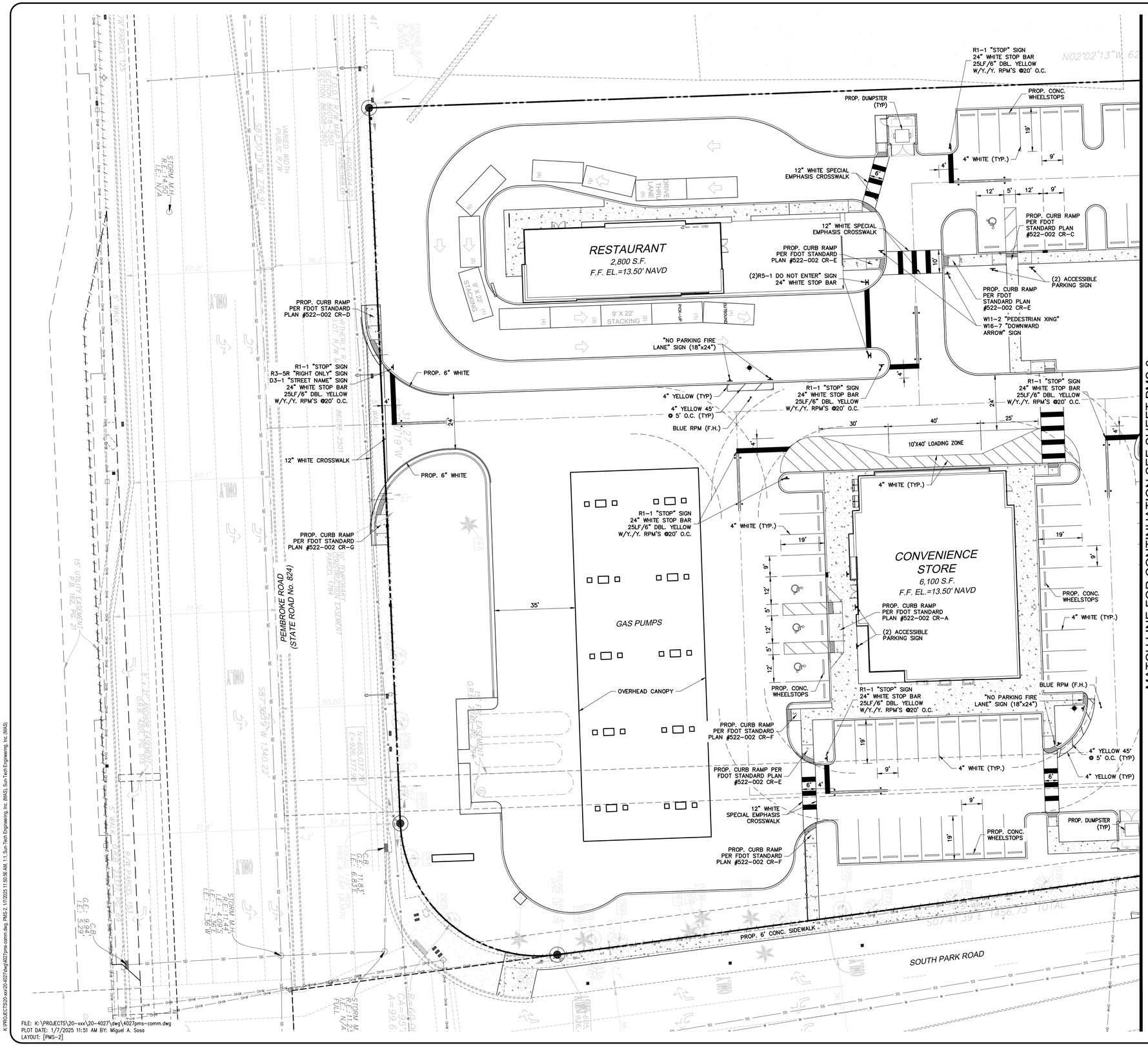
SHEET No.
PMS-1



20 10 0 20 40

GRAPHIC SCALE
1" = 20'

PAVEMENT MARKING AND SIGNING NOTES:

1. FIRST LIFT OF ASPHALT STRIPING SHALL BE PAINT. THE SECOND LIFT SHALL BE THERMOPLASTIC.
2. A MINIMUM OF 3/4" OF ASPHALT SHALL BE INSTALLED AS FINAL LIFT.
3. STOP SIGNS (R1-1) SHALL BE 30"x30".
4. REFER TO B.C.T.E.D. STANDARD DETAIL SHEET, MARCH 1999 FOR ADDITIONAL INFORMATION.
5. ALL SIGNS MUST MEET BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS AND M.U.T.C.D. AND SHALL BE TRADE MARKED.
6. STREET SIGNS (D3-1) & STOP SIGNS (R1-1) SHALL BE HIGH INTENSITY.
7. ALL STOP SIGNS (R1-1) TO INCLUDE (D3-1) STREET NAME SIGNS

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVEMENT MARKING AND SIGNAGE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
PMS-2

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LAYOUT: [PMS-2]

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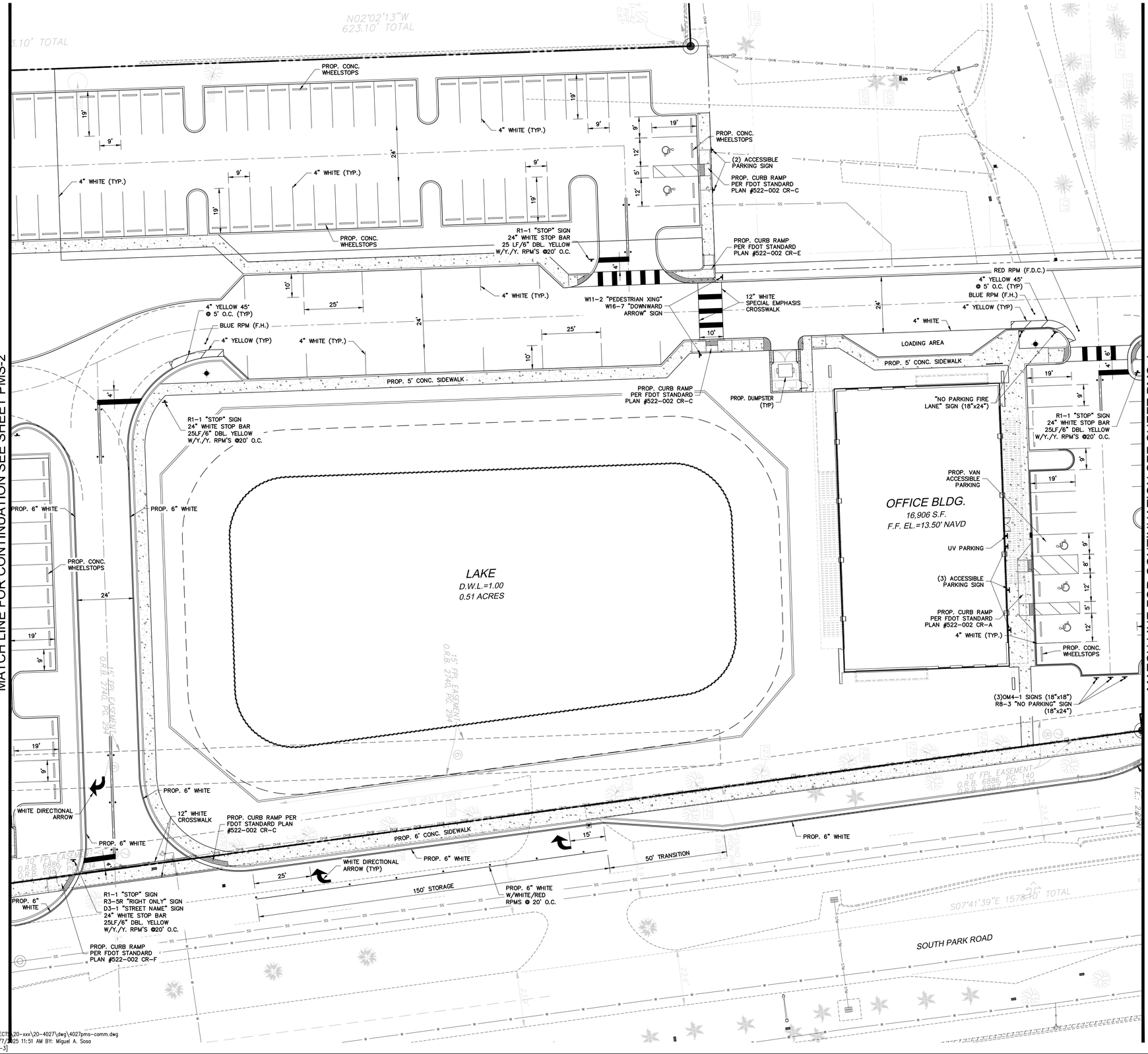

20 10 0 20 40
GRAPHIC SCALE
1" = 20'

PAVEMENT MARKING AND SIGNING NOTES:

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PLOT DATE: 1/7/2025 11:51 AM BY: Miguel A. Sosa
LAYOUT: [PMS-3]

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

PAVEMENT MARKINGS AND SIGNAGE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN
LICENSE No. 56890
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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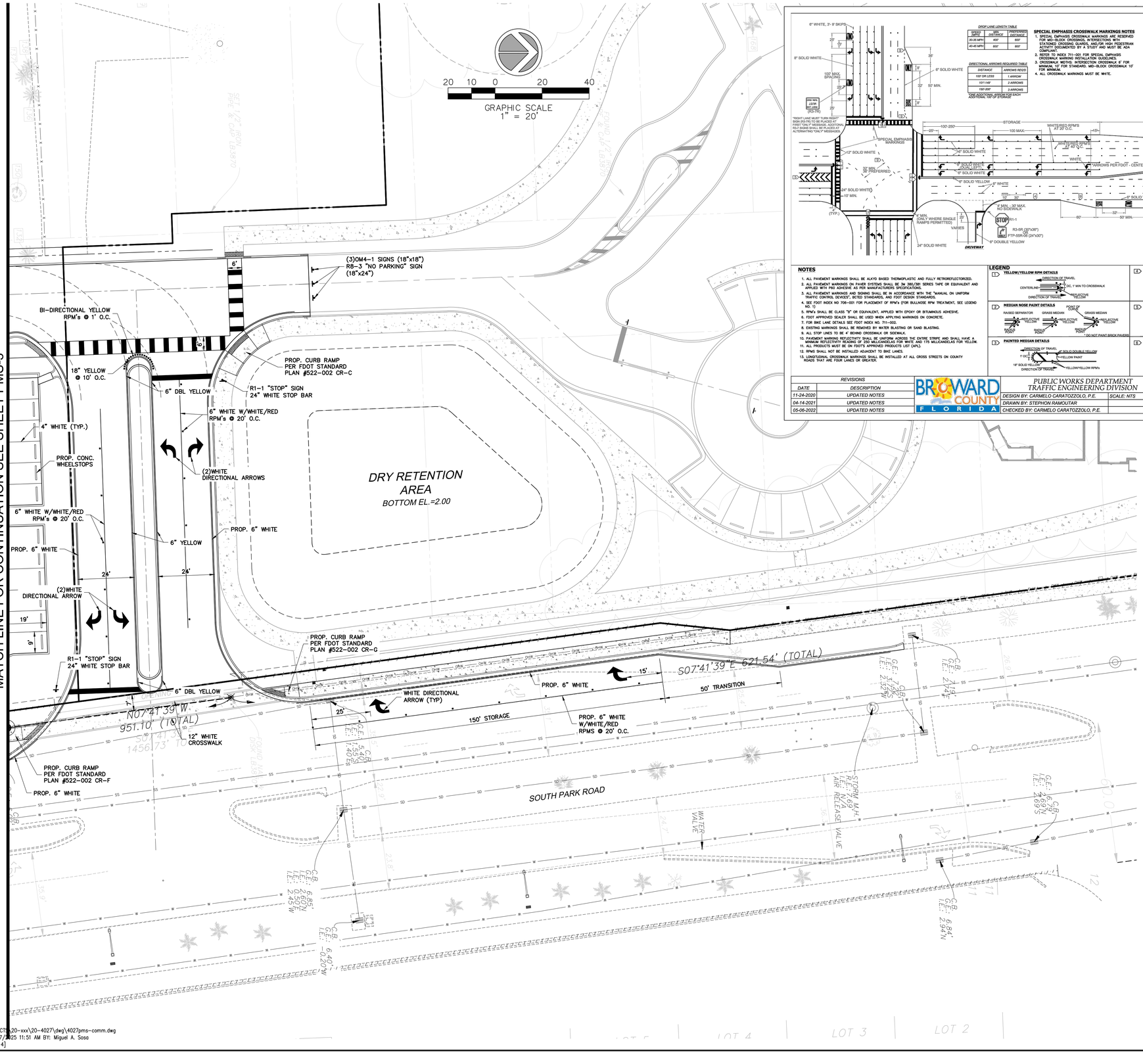
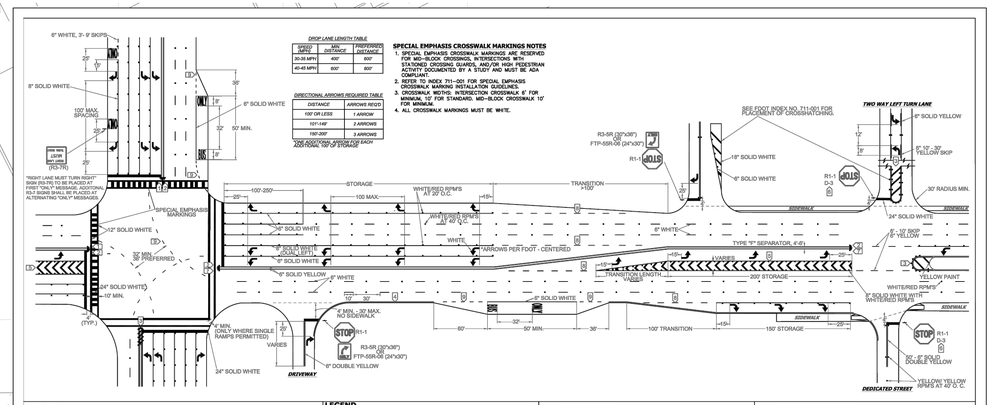
SHEET No.
PMS-3





NOTES

1. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
2. ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 380/381 SERIES TAPE OR EQUIVALENT AND APPLIED WET FILM AND ADHERED AT 43 MILS PER MANUFACTURERS SPECIFICATIONS.
3. ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", BCTED STANDARDS, AND FDOT DESIGN STANDARDS.
4. SEE FDOT INDEX NO 706-020 FOR PLACEMENT OF RPM's (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1).
5. RPM's SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
6. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
7. FOR BIKE LANE DETAILS SEE FDOT INDEX NO. 711-002.
8. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SAND BLASTING.
9. ALL STOP LINES TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
10. PAVEMENT MARKING REFLECTIVITY SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND SHALL HAVE A MINIMUM REFLECTIVITY READING OF 250 MILLICANDELAS FOR WHITE AND 175 MILLICANDELAS FOR YELLOW.
11. ALL PRODUCTS MUST BE ON FDOT'S APPROVED PRODUCTS LIST (APL).
12. RPMS SHALL NOT BE INSTALLED ADJACENT TO BIKE LANES.
13. LONGITUDINAL CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL CROSS STREETS ON COUNTY ROADS THAT ARE FOUR LANES OR GREATER.

LEGEND

1. YELLOW/YELLOW RPM DETAILS
2. MEDIAN NOSE PAINT DETAILS
3. PAINTED MEDIAN DETAILS
4. EDGE LINE DETAILS
5. CHEVRON DETAILS - CROSSWALK AREAS AND IN FRONT OF CURB RAMPS
6. STREET NAME BLADE DETAILS
7. TYPE IV SEPARATOR DETAILS
8. 6"-12" SKIP DETAILS
9. 2'-4' SKIPS DETAILS
10. STOP SIGN NOTE

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

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

DESIGN BY: CARMELO CARATOZZOLO, P.E. SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: CARMELO CARATOZZOLO, P.E.

PAVEMENT MARKINGS AND SIGNS DETAILS

SHEET NO. 1 OF 1

PAVEMENT MARKING AND SIGNING NOTES:

1. FIRST LIFT OF ASPHALT STRIPING SHALL BE PAINT. THE SECOND LIFT SHALL BE THERMOPLASTIC.
2. A MINIMUM OF 3/4" OF ASPHALT SHALL BE INSTALLED AS FINAL LIFT.
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5. ALL SIGNS MUST MEET BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS AND M.U.T.C.D. AND SHALL BE TRADE MARKED.
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REVISIONS		
NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD, FLORIDA

PAVEMENT MARKINGS AND SIGNAGE PLAN

DATE:	8/22/24
SCALE:	1" = 20'
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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SHEET No.
PMS-4

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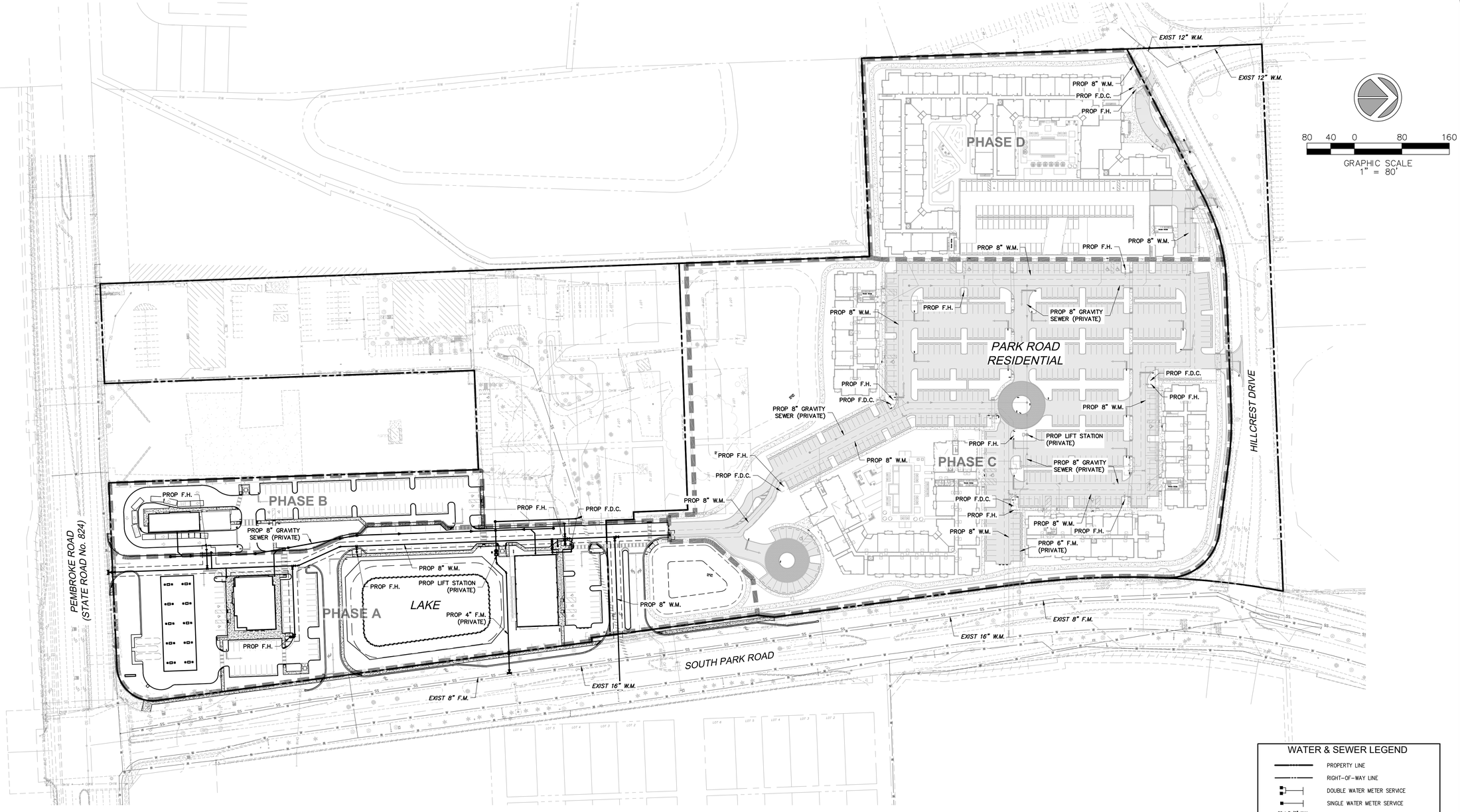

WATER & SEWER LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- DOUBLE WATER METER SERVICE
- SINGLE WATER METER SERVICE
- 85 L.F./8" W.M. — LENGTH, SIZE & TYPE OF WATER MAIN
- FIRE HYDRANT, GATE VALVE & TEE ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED CHECK VALVE
- S.P.#2 — BACTERIOLOGICAL SAMPLING POINT
- EXISTING OR FUTURE UTILITIES
- DRAINAGE STRUCTURE w/PIPE
- D.I.P. PIPE
- EXIST. UTILITY DEMOLITION
- R.E. — RIM ELEVATION
- I.E. — INVERT ELEVATION
- MANHOLE, G.E. = 0.00, I.E. = 0.00 — MANHOLE DESIGNATION
- 25 L.F./8" S.S. @ 0.42% — LENGTH & SLOPE OF PIPE
- DOUBLE SEWER LATERAL
- SINGLE SEWER LATERAL
- C.O.T.G. — CLEAN OUT TO GRADE
- PROP LIGHT POLE

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REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

WATER & SEWER OVERALL PLAN

DATE:	8/22/24
SCALE:	1"=80'
DESIGNED BY:	M.G.
DRAWN BY:	A.V.
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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WS-0

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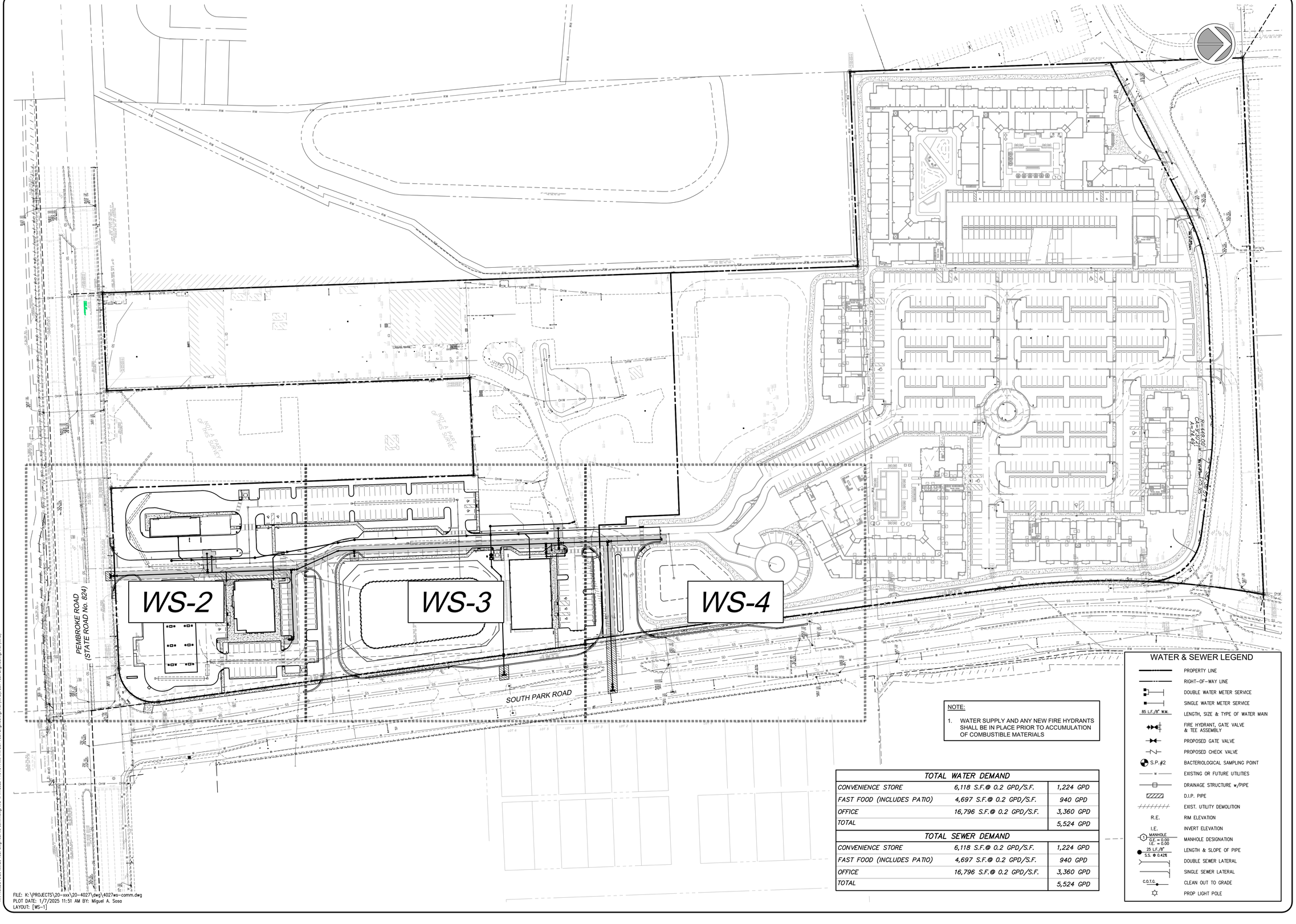

NOTE:

1. WATER SUPPLY AND ANY NEW FIRE HYDRANTS SHALL BE IN PLACE PRIOR TO ACCUMULATION OF COMBUSTIBLE MATERIALS

TOTAL WATER DEMAND		
CONVENIENCE STORE	6,118 S.F.@ 0.2 GPD/S.F.	1,224 GPD
FAST FOOD (INCLUDES PATIO)	4,697 S.F.@ 0.2 GPD/S.F.	940 GPD
OFFICE	16,796 S.F.@ 0.2 GPD/S.F.	3,360 GPD
TOTAL		5,524 GPD

TOTAL SEWER DEMAND		
CONVENIENCE STORE	6,118 S.F.@ 0.2 GPD/S.F.	1,224 GPD
FAST FOOD (INCLUDES PATIO)	4,697 S.F.@ 0.2 GPD/S.F.	940 GPD
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TOTAL		5,524 GPD

WATER & SEWER LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- DOUBLE WATER METER SERVICE
- SINGLE WATER METER SERVICE
- 85 L.F./8" W.M. — LENGTH, SIZE & TYPE OF WATER MAIN
- FIRE HYDRANT, GATE VALVE & TEE ASSEMBLY
- PROPOSED GATE VALVE
- PROPOSED CHECK VALVE
- S.P.#2 — BACTERIOLOGICAL SAMPLING POINT
- W — EXISTING OR FUTURE UTILITIES
- DRAINAGE STRUCTURE w/PIPE
- D.I.P. PIPE
- EXIST. UTILITY DEMOLITION
- R.E. — RIM ELEVATION
- I.E. — INVERT ELEVATION
- MANHOLE G.E. = 0.00 I.E. = 0.00 — MANHOLE DESIGNATION
- 25 L.F./8" S.S. @ 0.42% — LENGTH & SLOPE OF PIPE
- DOUBLE SEWER LATERAL
- SINGLE SEWER LATERAL
- C.O.T.G. — CLEAN OUT TO GRADE
- PROP LIGHT POLE

FILE: K:\PROJECTS\20-xxx\20-4027\dwg\4027ws-comm.dwg
PLOT DATE: 1/7/2025 11:51 AM BY: Miguel A. Sosa
LAYOUT: [WS-1]

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Fax (954) 777-3114

REVISIONS

NO.	DATE:	DESCRIPTION

PARK ROAD COMMERCIAL

CITY OF HOLLYWOOD FLORIDA

WATER & SEWER KEY MAP

DATE:	8/22/24
SCALE:	N.T.S.
DESIGNED BY:	M.G.
DRAWN BY:	I.A.B
JOB #:	20-4027

CLIFFORD R. LOUTAN LICENSE No. 56890 STATE OF FLORIDA PROFESSIONAL ENGINEER

Date: **January 7, 2025**

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WS-1