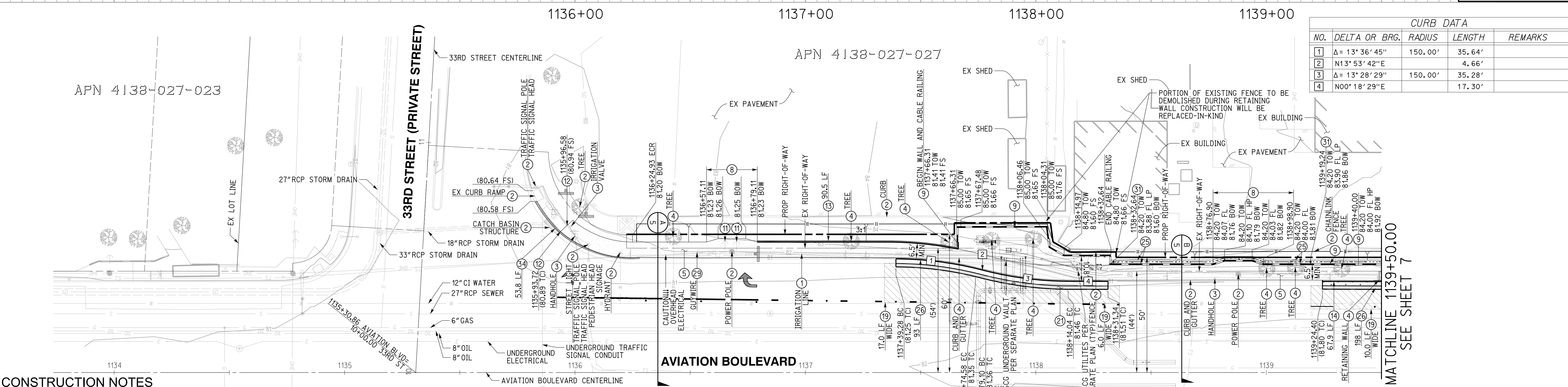


**PROFILE SCALE:**  
 HORIZ: 1"=20'  
 VERT: 1"=1'



CURB DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
1	Δ = 13° 36' 45"	150.00'	35.64'	
2	N13° 53' 42"E		4.66'	
3	Δ = 13° 28' 29"	150.00'	35.28'	
4	N00° 18' 29"E		17.30'	

**CONSTRUCTION NOTES**

- ① RELOCATE (SPECIFIED ON PLAN)
- ② PROTECT-IN-PLACE (SPECIFIED ON PLAN). FOR TREES, REMOVE TREE BRANCHES THAT ENCROACH OVER SIDEWALK
- ③ ADJUST TO GRADE (SPECIFIED ON PLAN)
- ④ REMOVE (SPECIFIED ON PLAN)
- ⑤ CONSTRUCT SIDEWALK PER CITY OF MANHATTAN BEACH STD. MBSI-112A-0 (ST-2)
- ⑧ CONSTRUCT SIDEWALK PLACEMENT AROUND OBSTRUCTIONS PER CITY OF MANHATTAN BEACH STD. MBSI-115D-0
- ⑨ CONSTRUCT RETAINING WALL (WITH CABLE RAILING AS NOTED PER PLAN) PER SPPWC STD. 618-3 (TYPE A), PER SEPARATE PERMIT
- ⑪ EXISTING GUYWIRES TO BE RELOCATED BY SOUTHERN CALIFORNIA EDISON. REMOVE TREE STUMP
- ⑫ JOIN EXISTING SIDEWALK
- ⑬ CONSTRUCT RETAINING CURB WITH A1-6 CURB PER SPPWC STD. PLAN 120-3 AND SPPWC STD. PLAN 111
- ⑭ CONSTRUCT CURB AND GUTTER PER CITY OF MANHATTAN BEACH STD. MBSI-120A-0 (ST-3), PLACEMENT TO FOLLOW PARKWAY CULVERT DETAIL PER CITY OF MANHATTAN BEACH STD. MBSI-150A-0
- ⑮ COLD PLANE AND OVERLAY (WIDTH SPECIFIED ON PLANS) PER CITY OF MANHATTAN BEACH STD. MBSI-132A-0 (ST-10)
- ⑳ REPLACE FULL DEPTH ASPHALT CONCRETE PER CITY OF MANHATTAN BEACH STD. MBSI-132A-0 (ST-10)
- ㉕ CONSTRUCT 18" WIDE DITCH BEHIND PROPOSED RETAINING WALL
- ㉖ SAWCUT EXISTING PAVEMENT
- ㉚ CONTRACTOR TO COORDINATE WITH SCE TO ADJUST TO GRADE
- ㉛ INSTALL 4" ATRIUM DRAIN IN DITCH BEHIND RETAINING WALL. OUTLET TO BE AT THE BASE OF THE RETAINING WALL FLUSH WITH THE SIDEWALK SURFACE
- ㉜ RED CURB PAINT (2 COATS)

**SUPPLEMENTAL NOTES:**

- THE CONTRACTOR SHALL LOCATE, VERIFY AND PROTECT ALL EXISTING UNDERGROUND UTILITIES. DAMAGED UTILITIES SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- DUE TO INDIVIDUAL LOT IMPROVEMENTS, THE EXISTING WATER, SEWER AND/OR GAS LATERALS MAY NOT BE AT THE LOCATIONS SHOWN OR SHOWN IN THEIR ENTIRETY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING.
- THE CONTRACTOR SHALL DETERMINE THE DEPTH OF THE GAS CASE, CABLE, SEWER, STORM DRAIN AND WATER AT ALL INTERSECTIONS AND INTERFERENCES PRIOR TO CONSTRUCTION AND AS NOTED ON PLANS.

**ENGINEER/ARCHITECT OF RECORD STAMP**

REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH G. HAMMOND  
 No. 51540  
 CIVIL  
 STATE OF CALIFORNIA

**DESIGN FIRM NAME, ADDRESS, PHONE NUMBER**

**RICK**  
 ENGINEERING COMPANY  
 36 DISCOVERY, SUITE 240  
 IRVINE, CA 92618  
 949-588-0707

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**CITY OF MANHATTAN BEACH**  
 PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION

**AVIATION BOULEVARD SIDEWALK GAP PROJECT NO. P-924**

**STREET IMPROVEMENT PLAN**

REVISIONS:

NO.	DESCRIPTION	BY	DATE

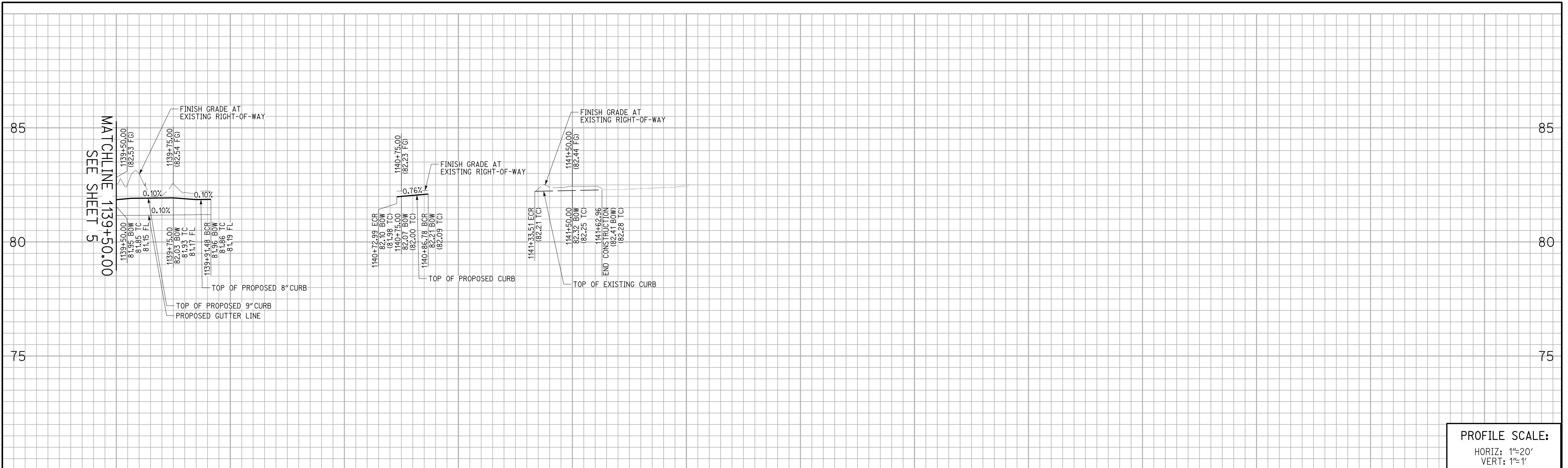
REFERENCES:

PROJECT MANAGER: MARZENA LASKOWSKA  
 PROJECT ENGINEER: BARRY COWAN

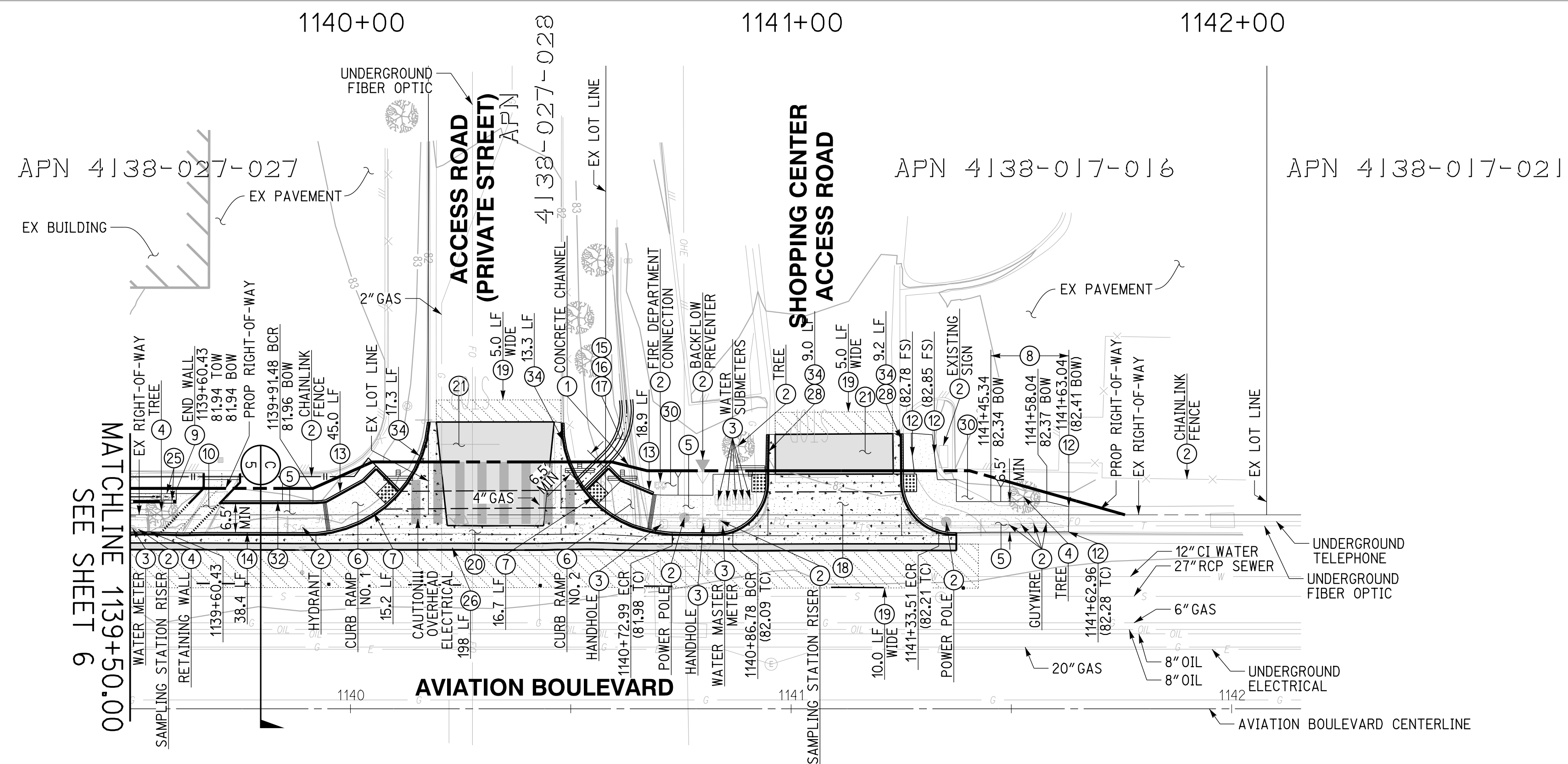
CITY ENGINEER: KATHERINE DOHERTY

SCALE: 1"=20'  
 06-14-23  
 SHEET 6 OF 8

DRAWING NO. **6**

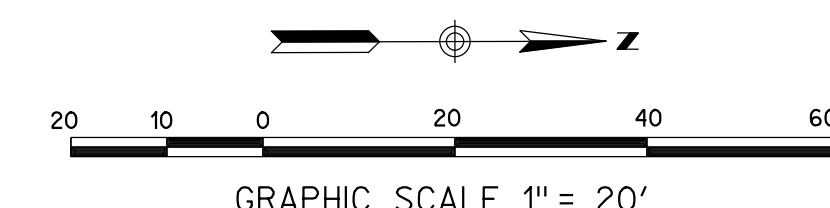


**PROFILE SCALE:**  
 HORIZ: 1"=20'  
 VERT: 1"=1'



**CONSTRUCTION NOTES**

- 1 RELOCATE (SPECIFIED ON PLAN)
- 2 PROTECT-IN-PLACE (SPECIFIED ON PLAN). FOR TREES, REMOVE TREE BRANCHES THAT ENCROACH OVER SIDEWALK
- 3 ADJUST TO GRADE (SPECIFIED ON PLAN)
- 4 REMOVE (SPECIFIED ON PLAN)
- 5 CONSTRUCT SIDEWALK PER CITY OF MANHATTAN BEACH STD. MBSI-112A-0 (ST-2)
- 6 CONSTRUCT CURB RAMP PER SPPWC STD. PLAN 111 AND DETAILS ON SHEET 5
- 7 CONSTRUCT CURB AND GUTTER PER CITY OF MANHATTAN BEACH STD. MBSI-120A-0 (ST-3)
- 8 CONSTRUCT SIDEWALK PLACEMENT AROUND OBSTRUCTIONS PER CITY OF MANHATTAN BEACH STD. MBSI-115D-0
- 9 CONSTRUCT RETAINING WALL (WITH CABLE RAILING AS NOTED PER PLAN) PER SPPWC STD. 618-3 (TYPE A), PER SEPARATE PERMIT
- 10 CONSTRUCT PARKWAY CULVERT PER CITY OF MANHATTAN BEACH STD. MBSI-150A-0 AND DETAIL ON SHEET 5. CONNECT TO EXISTING DRAINAGE OUTLET ON PRIVATE PROPERTY.
- 12 JOIN EXISTING SIDEWALK
- 13 CONSTRUCT RETAINING CURB WITH A1-6 CURB PER SPPWC STD. PLAN 120-3 AND SPPWC STD. PLAN 111
- 14 CONSTRUCT CURB AND GUTTER PER CITY OF MANHATTAN BEACH STD. MBSI-120A-0 (ST-3). PLACEMENT TO FOLLOW PARKWAY CULVERT DETAIL PER CITY OF MANHATTAN BEACH STD. MBSI-150A-0
- 15 CONSTRUCT J-DITCH PER DETAIL ON SHEET 5. CONNECT TO EXISTING J-DITCH ON PRIVATE PROPERTY
- 16 CONSTRUCT U-DITCH PER DETAIL ON SHEET 5
- 17 CONSTRUCT 10' TRANSITION FROM J-DITCH TO U-DITCH
- 18 CONSTRUCT COMMERCIAL DRIVEWAY APPROACH (TYPE 1) PER CITY OF MANHATTAN BEACH STD. MBSI-116A-0 AND DETAIL ON SHEET 5
- 19 COLD PLANE AND OVERLAY (WIDTH SPECIFIED ON PLANS) PER CITY OF MANHATTAN BEACH STD. MBSI-132A-0 (ST-10)
- 20 CONSTRUCT 4.0' WIDE CROSS GUTTER PER CITY OF MANHATTAN BEACH STD. MBSI-122A-0 (ST-12) AND DETAIL ON SHEET 5
- 21 REPLACE FULL DEPTH ASPHALT CONCRETE PER CITY OF MANHATTAN BEACH STD. MBSI-132A-0 (ST-10)
- 25 CONSTRUCT 18" WIDE DITCH BEHIND PROPOSED RETAINING WALL
- 26 SAWCUT EXISTING PAVEMENT
- 28 "NO PARKING FIRE LANE" STENCIL ON RED CURB
- 30 RELOCATE EXISTING IRRIGATION AND RE-SOD ADJACENT TO PROPOSED IMPROVEMENTS IN PLANTER AREAS NOT REFLECTED IN LANDSCAPE PLANS
- 33 RED CURB PAINT (2 COATS)



**CITY OF MANHATTAN BEACH**  
 PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION

**AVIATION BOULEVARD SIDEWALK GAP  
 PROJECT NO. P-924  
 STREET IMPROVEMENT PLAN**

REVISIONS		REVIEWED BY		DATE	
NO.	DESCRIPTION	BY	DATE		
REFERENCES		PROJECT MANAGER		DATE	
		MARZENA LASKOWSKA			
		RECOMMENDED BY		DATE	
		KATHERINE DOHERTY			
		DESIGNED BY		DATE	
		BARRY COWAN			
		SCALE		DRAWING NO.	
		1"=20'		06-14-23	
		SHEET		7 OF 8	
				<b>7</b>	

**811**  
 Know what's below.  
 Call before you dig.

NO WORK SHALL BE DONE ON THIS SITE UNTIL USA AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE, TWO WORKING DAYS BEFORE YOU DIG.

**SUPPLEMENTAL NOTES:**

- THE CONTRACTOR SHALL LOCATE, VERIFY AND PROTECT ALL EXISTING UNDERGROUND UTILITIES. DAMAGED UTILITIES SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
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DATE SIGNED \_\_\_\_\_

REVIEWED BY	DATE