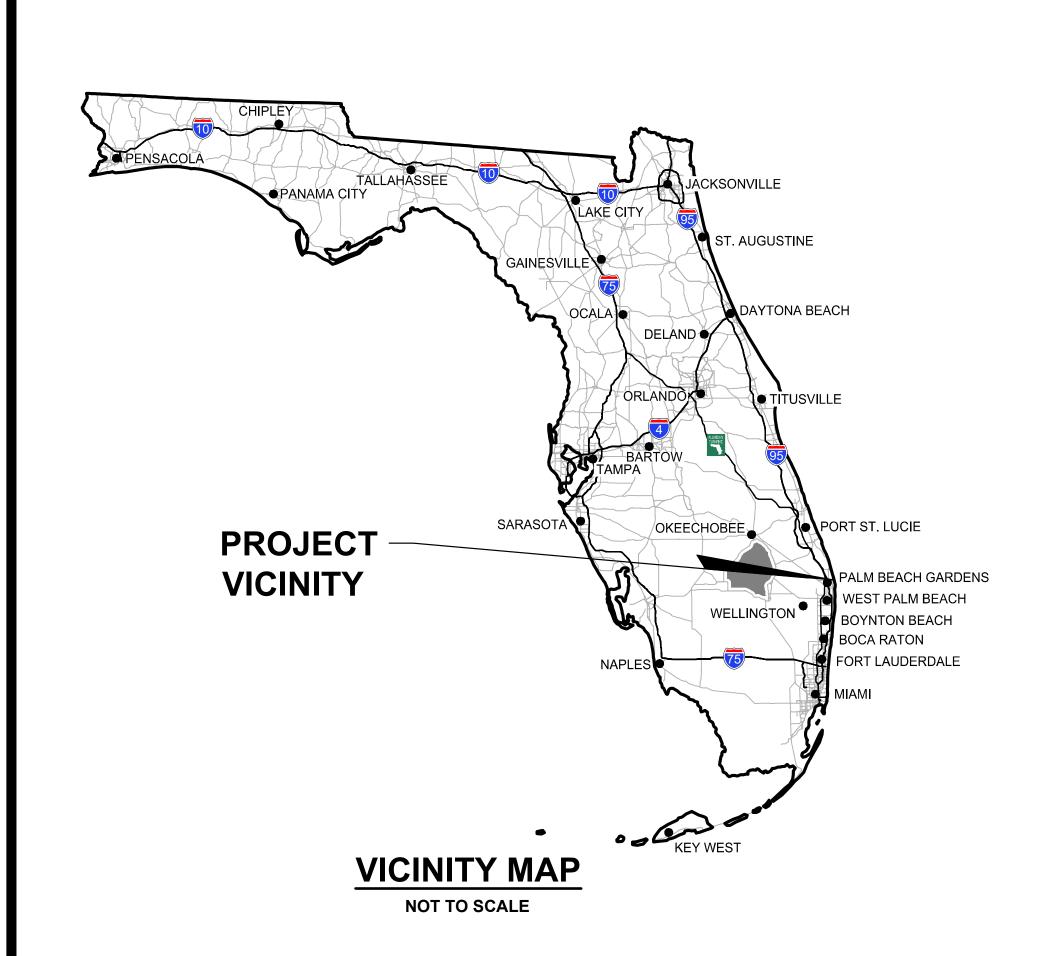
# ROADWAY IMPROVEMENT PLANS ATLANTIC BOULEVARD

SECTION 28, TOWNSHIP 41S., RANGE 43E. TOWN OF JUNO BEACH, FLORIDA



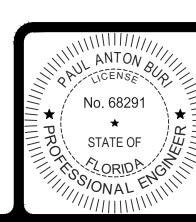


# **LOCATION MAP**

NOT TO SCALE

## **INDEX OF SHEETS**

<b>SHEET NO.:</b>	<b>DESCRIPTION:</b>
1	TITLE SHEET
2-3	<b>PAVING AND STRIPING PLAN</b>
4	PAVING AND STRIPING DETAILS
5	POLLUTION PREVENTION PLAN



PAUL ANTON BURI, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68291

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ATLANTIC BOULEVARD

SECTION 28, TOWNSHIP 41S., RANGE 43E.

TOWN OF JUNO BEACH, FLORIDA

TITLE SHEET

REVISIONS

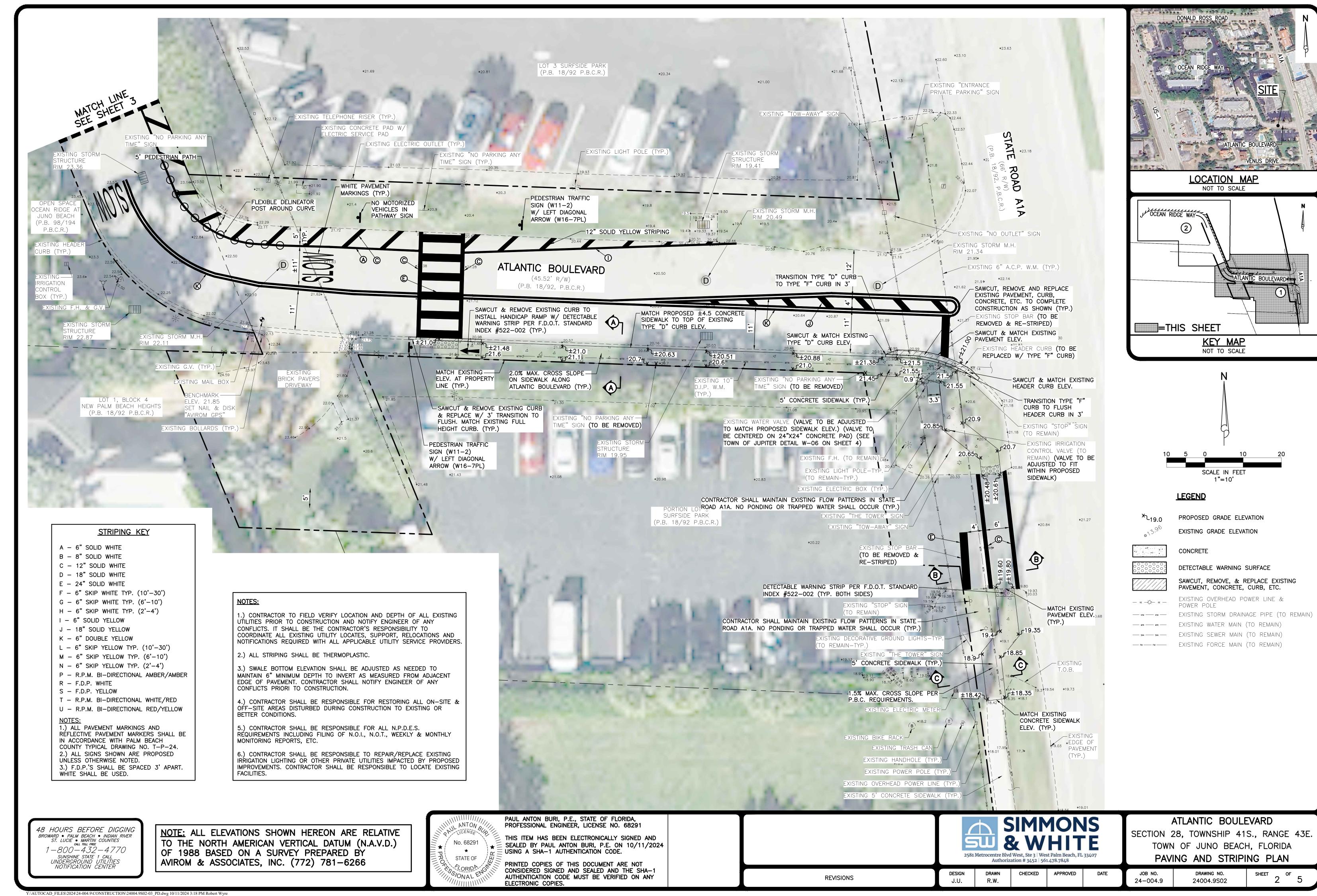
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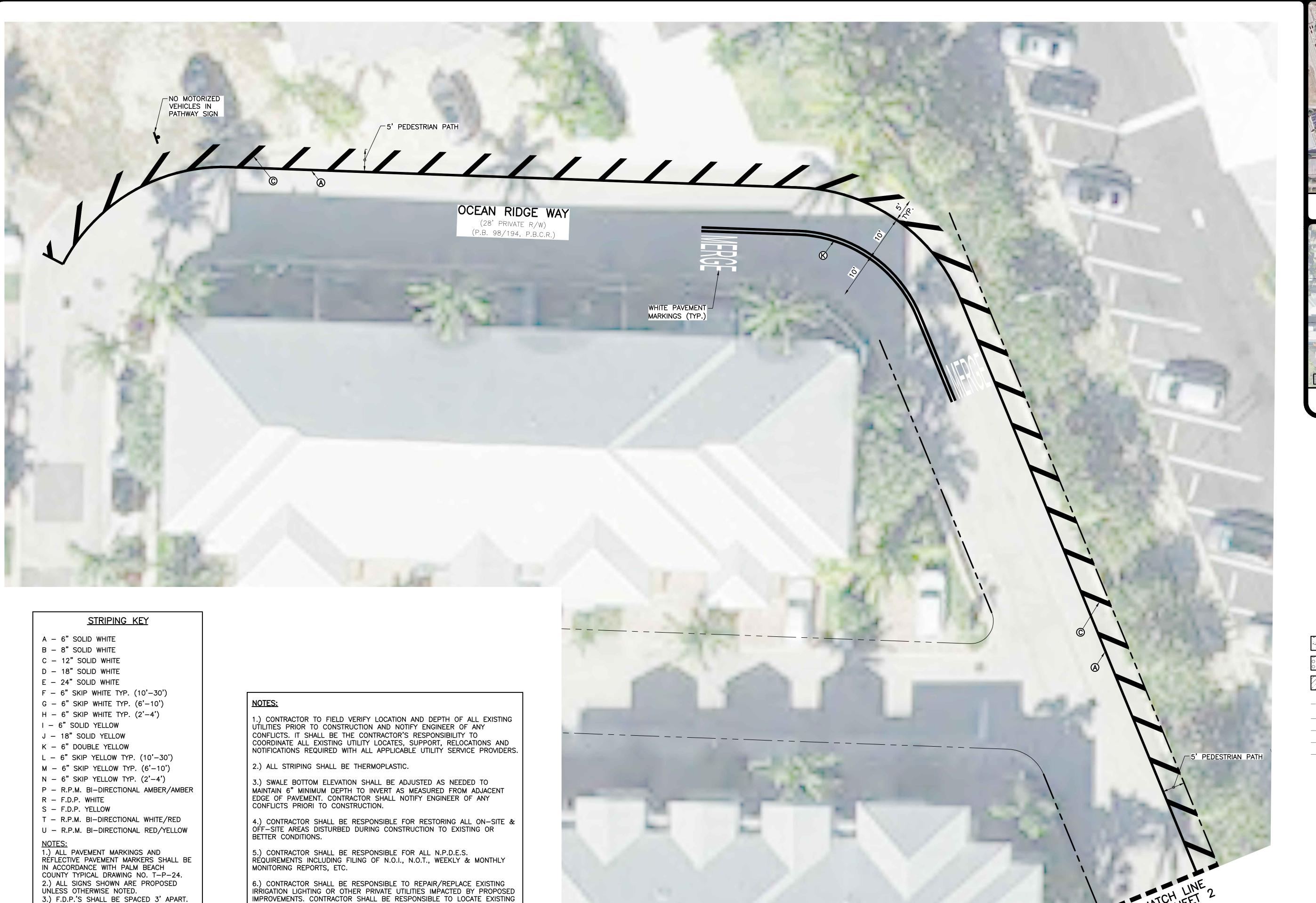
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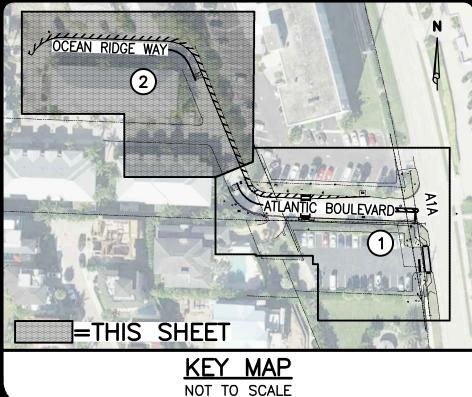
JOB NO. DRAWING NO. 24-004.9 24004.9S01

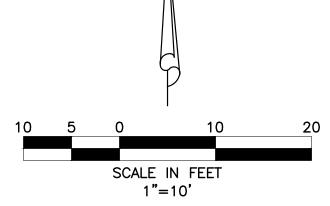
SHEET OF 5





**LOCATION MAP** NOT TO SCALE





### **LEGEND**

PROPOSED GRADE ELEVATION EXISTING GRADE ELEVATION

CONCRETE

DETECTABLE WARNING SURFACE

SAWCUT, REMOVE, & REPLACE EXISTING — OE → OE —

PAVEMENT, CONCRETE, CURB, ETC. EXISTING OVERHEAD POWER LINE &

POWER POLE — stm — stm — EXISTING STORM DRAINAGE PIPE (TO REMAIN)

EXISTING WATER MAIN (TO REMAIN) — san — san — EXISTING SEWER MAIN (TO REMAIN)

— ™ — ™ EXISTING FORCE MAIN (TO REMAIN)

WHITE SHALL BE USED.

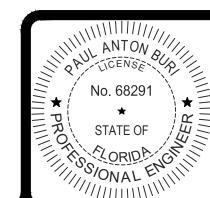
48 HOURS BEFORE DIGGING
BROWARD • PALM BEACH • INDIAN RIVER
ST. LUCIE • MARTIN COUNTIES
CALL TOLL FREE

1-800-432-4770

SUNSHINE STATE 1 CALL

UNDERGROUND UTILITIES NOTIFICATION CENTER

NOTE: ALL ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.)
OF 1988 BASED ON A SURVEY PREPARED BY AVIROM & ASSOCIATES, INC. (772) 781-6266



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**REVISIONS** 

ATLANTIC BOULEVARD SECTION 28, TOWNSHIP 41S., RANGE 43E.

DRAWING NO.

TOWN OF JUNO BEACH, FLORIDA PAVING AND STRIPING PLAN

CHECKED J.U. 24-004.9 24004.9S03

### **GENERAL NOTES:**

- NOTIFY ENGINEER OF IN-FIELD CONFLICTS OR DESIGN DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
   EXISTING WATER, SEWER AND DRAINAGE SYSTEMS ARE REPRESENTED AS DASHED LINES AND SHALL BE VERIFIED BY CONTRACTOR.
- 3. CONTRACTOR SHALL PROTECT ALL UTILITIES AND PUBLIC IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DURING CONSTRUCTION AND SHALL REPAIR SAID DAMAGES AT HIS EXPENSE. CONTRACTOR TO RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
- 4. SUPPORT OR THE RELOCATION OF EXISTING STREET LIGHT POLES, POWER OR TELEPHONE POLES, EXISTING UTILITIES, IRRIGATION SYSTEMS, SIDEWALKS, WALLS, ETC. NECESSARY FOR COMPLETION OF THIS WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
- 5. INFORMATION SHOWN ON THESE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED, HOWEVER, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF ANY EXISTING UTILITIES. ALL "AS-BUILT" INFORMATION INCLUDING LOCATION AND ELEVATION OF UTILITY STUB-OUTS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OR ORDERING OF STRUCTURES. NOTIFY ENGINEER OF DISCREPANCIES/CONFLICTS.
- 6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH IN FIELD PRIOR TO COMMENCEMENT AND NOTIFY THE ENGINEER OF ANY DEVIATIONS PRIOR TO COMMENCING CONSTRUCTION.
- 7. SIDEWALKS TO BE FLUSH WITH YARD AREAS UNLESS OTHERWISE NOTED.
- 8. ALL ELEVATIONS SHOWN HEREON REFER TO N.A.V.D. 1988 TOPOGRAPHIC AND BOUNDARY SURVEY PROVIDED BY AVIROM & ASSOCIATES, INC. (772) 781-6266.
- 9. CONTRACTOR SHALL PROVIDE ADEQUATE EQUIPMENT FOR THE REMOVAL OF STORM, SURFACE AND/OR SUBSURFACE WATER WHICH MAY ACCUMULATE IN THE EXCAVATION AREAS SO THAT IT WILL BE SUITABLY DRY FOR WORK REQUIRED.
- 10. NO OFF-SITE DISCHARGE FROM DEWATERING OPERATIONS SHALL BE PERMITTED UNLESS THE CONTRACTOR SECURES WRITTEN PERMISSION FROM THE GOVERNING AUTHORITIES.
- 11. ALL SUB-BASE UNDER ROADWAYS, PARKING LOTS, CURBS, ETC. SHALL BE COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180 PROCTOR.
- 12. WHERE ENCOUNTERED (OR SPECIFIED IN THE GEOTECHNICAL REPORT), MUCK/UNSUITABLE MATERIALS SHALL BE COMPLETELY REMOVED FROM PROPOSED PAVING AND BUILDING AREAS 10 FEET BEYOND THE EDGE OF PAVEMENT/BUILDING PAD EACH SIDE.
- 13. CONTRACTOR TO PROVIDE TEST REPORTS FROM AN INDEPENDENT LABORATORY FOR PROCTORS AND DENSITIES ON BASE AND SUBGRADE.
- 14. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE CONSTRUCTION RECORD INFORMATION TO THE ENGINEER
- 15. CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO OBSERVE:
- A. STRINGLINING OF SUBGRADE.
- B. STRINGLINING/BOARDING OF BASE.
- 20. THE CONTRACTOR SHALL FILL AND FINE GRADE ALL PLANTING AREAS, LEAVING THE FINISHED GRADE SMOOTH AND READY TO RECEIVE SOD OR OTHER PLANTING MATERIAL. WHERE SOD IS DESIRED, THE FINISHED GRADES SHALL BE TWO (2) INCHES LOWER TO ALLOW FOR THICKNESS OF THE GRASS. SPECIAL ATTENTION SHALL BE GIVEN ALONG EDGE OF PAVEMENT AND SIDEWALKS SO AS NOT TO TRAP WATER.
- 21. ANY SHELLROCK OR LIMEROCK PAVING BASE INSTALLED WITHIN PLANTING AREAS SHALL BE REMOVED IN ITS ENTIRETY PRIOR TO PLACING PLANTER AREA FILL.
- 22. ALL SWALE, RIGHT OF WAY AREAS AND YARD AREAS SHALL BE GRADED AND SEEDED OR SODDED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. NO AREAS SHALL BE LEFT BARREN OR SUBJECT TO EROSION.
- 23. CONTRACTOR SHALL ENSURE NO SEDIMENT OR DEBRIS LEAVES THE SITE DURING CONSTRUCTION IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS (SILT FENCE, HAY BALES OR SOD APRONS AT INLETS, WASH ROCK EXIT, ETC. MAY BE REQUIRED TO MEET SAID REQUIREMENTS). CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION, IMPLEMENTATION AND CERTIFICATION OF ALL N.P.D.E.S. POLLUTION PREVENTION RELATED MEASURES (i.e. FILING OF AN N.O.I. POLLUTION PREVENTION PLAN MONITORING REPORTS, ETC.)
- 24. CONTRACTOR SHALL CONTACT PALM BEACH COUNTY TRAFFIC OPERATIONS AT (561) 233-3900) 48 HOURS PRIOR TO CONSTRUCTION, IF ANY WORK IS BEING DONE WITHIN 10 FEET OF A SIGNALIZED INTERSECTION.
- 25. ANY DAMAGE TO PBC—TRAFFIC I.T.S. FACILITIES CAUSED BY CONSTRUCTION OF THIS PROJECT MUST BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION BY THE PERMITEE AT NO COST TO PALM BEACH COUNTY.
- 26. PALM BEACH COUNTY (PBC) RESERVES THE RIGHT TO DETERMINE IF DAMAGED PBC FACILITIES WILL BE REPAIRED OR REPLACED.
- 27. CONSTRUCTION TESTING REQUIREMENTS:
- 1. DENSITY, THICKNESS AND F.B.V./L.B.R. FOR BASE AND SUBGRADE
- a. ROADS MAXIMUM SPACING = 500 L.F.
- b. PARKING LOT MAXIMUM SPACING = 6,000 S.F.

OF TRENCH AND ONLY 1 TEST PER 300 L.F. IS REQUIRED.

- 2. ASPHALT THICKNESS
  a. ROADS MAXIMUM
- a. ROADS MAXIMUM SPACING = 600 L.F.
   b. PARKING LOT MAXIMUM SPACING = 2,000 S.Y.
- TESTING SHALL BE TAKEN IN A STAGGERED PATTERN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THERE SHALL BE A MINIMUM OF 4 EACH OF THE ABOVE TESTS FOR A PROJECT OR PORTION THEREOF.

  3. BASE CHEMICAL AND SIEVE ANALYSIS, FROM SUPPLIER/PIT (DOT CERTIFICATION)
- 4. ASPHALT DESIGN MIX. IF REQUESTED BY THE ENGINEER, STABILITY TESTS WILL BE REQUIRED.
- 5. PIPELINE BACKFILL DENSITY TESTS

   ALL PIPE AND STRUCTURE TRENCHES SHALL BE BACKFILLED USING A MAX. OF 12" LIFTS. ALL BACKFILL MATERIAL SHALL BE CLEAN. DRY STRUCTURAL FILL. WITH NO DELETERIOUS OR ORGANIC
- MATERIAL PRESENT.

   AT LEAST ONE TEST SHALL BE PERFORMED FOR EVERY 12" OF DEPTH, STARTING AT THE SPRINGLINE OF THE PIPE, COVERING THE 12" LAYER BELOW THE SPRINGLINE OF THE PIPE.
- PIPE TRENCHES SHALL BE TESTED AT RANDOMLY SELECTED LOCATIONS ALONG THE LENGTH OF EACH PIPE RUN WITHIN EACH 300' INTERVAL (MAXIMUM) AND BETWEEN EACH SET OF TWO STRUCTURES IF A PIPE RUN SEPARATING THE TWO IS LESS THAN 300' IN LENGTH.
- TESTS SHALL BE PERFORMED AT EVERY STRUCTURE BEGINNING AT THE BASE OF THE STRUCTURE (COVERING THE 12" BELOW THE BASE OF THE STRUCTURE) WITH ONE TEST FOR EVERY 12" LIFT. TESTS SHALL ALTERNATE FROM CORNER TO CORNER OR FROM SIDE TO SIDE AROUND THE STRUCTURE WITH
- EACH 12" LIFT.

   WHERE OUTSIDE PAVED AREAS BY 10' OR MORE, ALL TESTS SHALL BE TAKEN WITHIN THE BOTTOM 3'

### NIMINA CDACINO DECLUDEMENTO.

 MINIMUM SPACING REQUIREMENTS:

 DEPTH OF CUT
 SPACING OF TESTS

 0 - 6'
 1 PER 300 L.F.

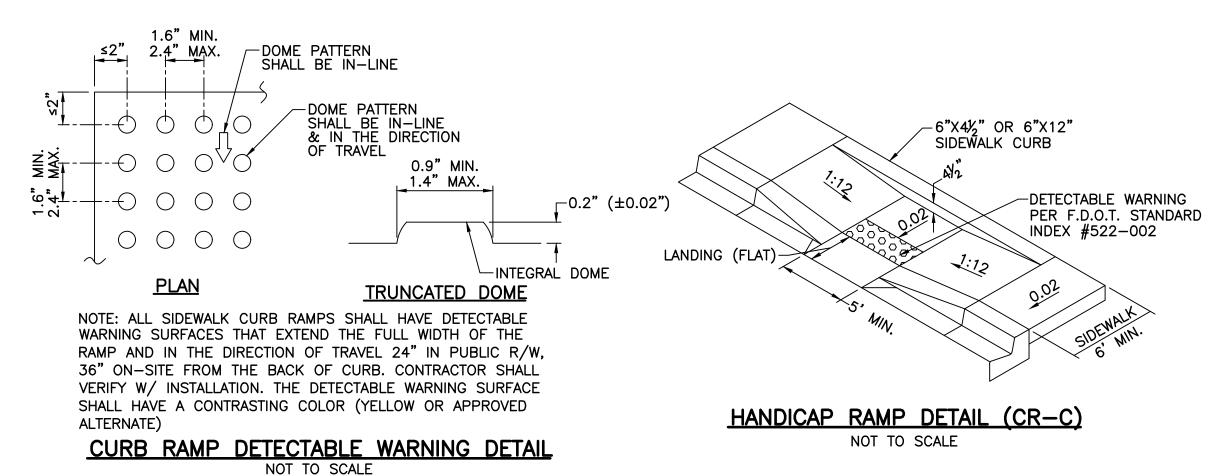
 6 - 9'
 2 PER 300 L.F.

 9 - 12'
 3 PER 300 L.F.

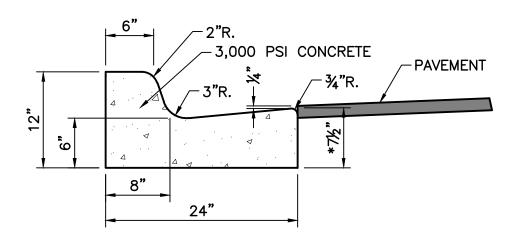
 12 - 15'
 4 PER 300 L.F.

 15 - 18'
 5 PER 300 L.F.

THE ABOVE REQUIREMENTS ARE THE MINIMUM AND ARE SUBJECT TO INCREASE BY THE GOVERNING AGENCIES. ALL TESTS AND LOCATIONS ARE SUBJECT TO REVIEW BY ENGINEER AND/OR GOVERNING AGENCIES, ADDITIONAL TESTS MAY BE REQUIRED BASED ON FIELD OBSERVATIONS OF CONSTRUCTION TECHNIQUES OR MATERIALS USED ON SITE.

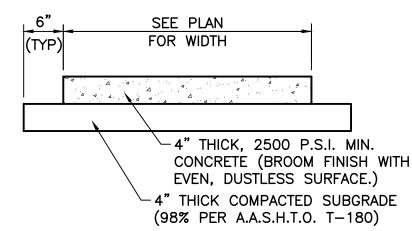


TYPICAL HANDICAP RAMP DETAILS



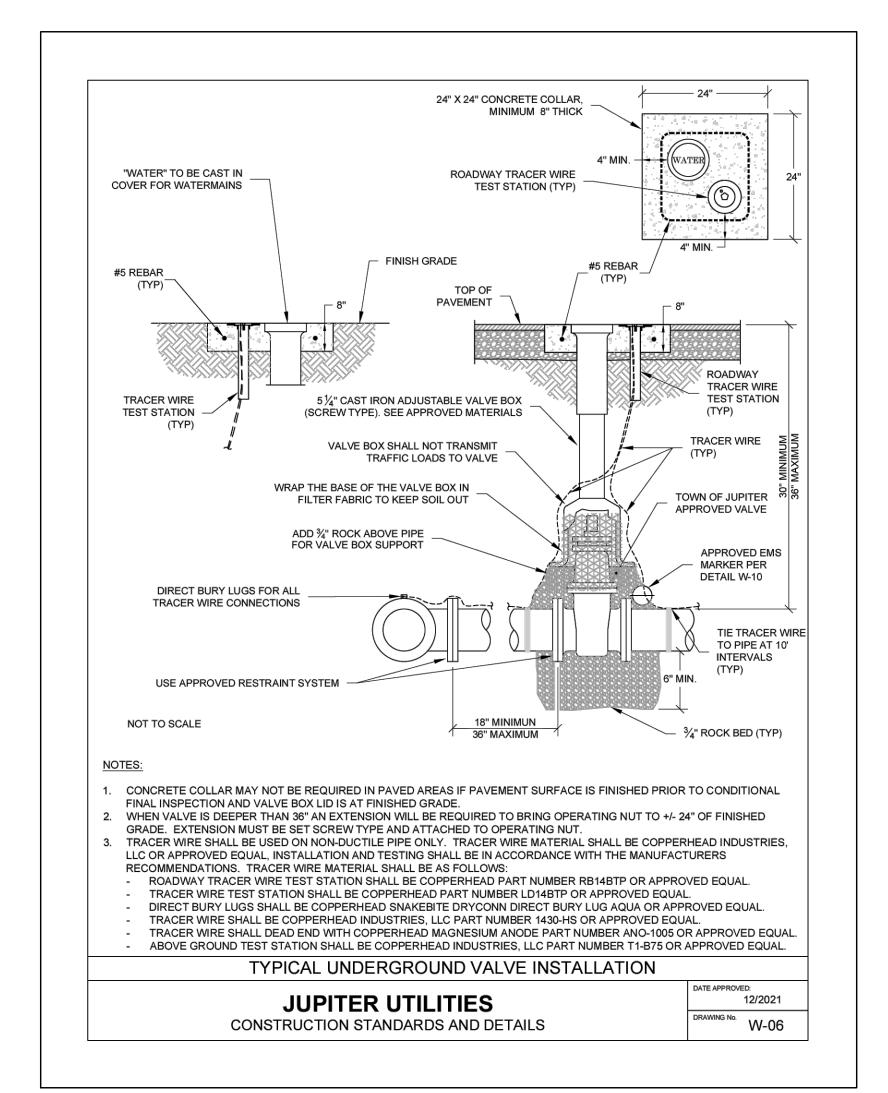
\*NOTE: WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS—SLOPE OF THE GUTTER SHALL MATCH THE CROSS—SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS

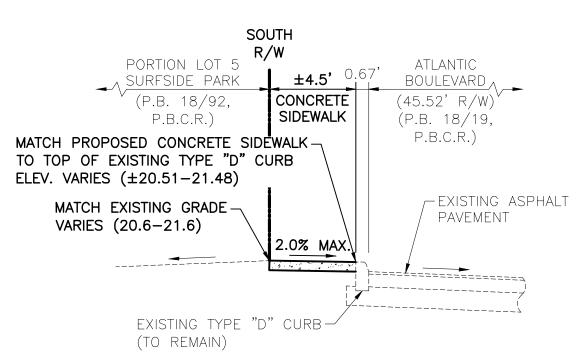
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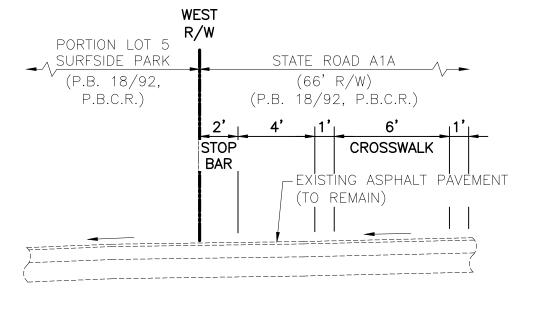
TYPICAL SIDEWALK DETAIL

**REVISIONS** 

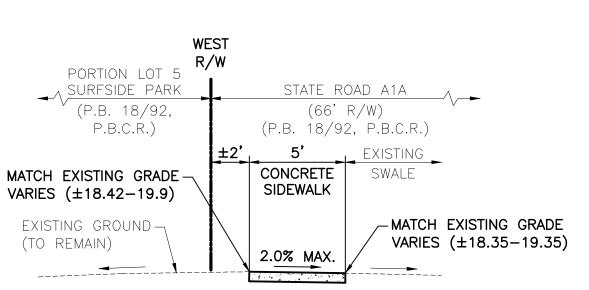




TYPICAL SECTION A—A



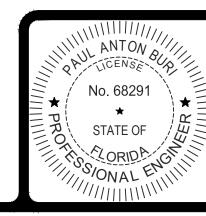
TYPICAL SECTION B-B



TYPICAL SECTION C-C

R.W.

J.U.



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SEALED BY PAUL ANTON BURI, P.E. ON 10/11/2024



ATLANTIC BOULEVARD

SECTION 28, TOWNSHIP 41S., RANGE 43E

TOWN OF JUNO BEACH, FLORIDA

SHEET

PAVING AND STRIPING DETAILS

DRAWING NO.

24004.9504

JOB NO.

24-004.9

