

STRUCTURE NO.	STATION	LT/RT	TYPE	IE IN	IE OUT	E.P./R.M. EL.	FROM NO.	TO NO.	SIZE RCP	LENGTH (FT.)	SLOPE %
5	19+58.13	14.75' RT	2		26.30 (24.4)	29.50 (22.2)	5	6	15"	30	0.40
6	19+58.13	14.75' LT	2		26.18 (24.3)	29.50 (22.2)	5	6	24"	200	1.66
7	20+29.90	14.75' LT	2		25.38	22.95	8	9	24"	42	0.31
8	20+29.90	22.05' RT	2		22.86 (25.2)	22.86 (25.2)	6	9	24"	187	0.30
9	STATION	LT/RT	24" FES	22.30			8	9	24"		
10	27+18.28	14.75' LT	2		26.86 (27.5)	29.45 (22.2)	10	11	15"	30	0.40
11	27+20.06	14.75' RT	2		26.73 (27.2)	29.45 (22.2)	10	13	24"	282	0.26
12	30+01.55	14.75' LT	2		26.16 (26.3)	29.17 (25.6)	13	15	15"	30	0.53
13	30+01.55	14.75' RT	2		26.66 (25.2)	23.71 (23.5)	11	14	24"	105	0.30
14	17+39.35	14.75' RT	2		26.66 (25.2)	23.71 (23.5)	13	15	30"	124	0.30
15	17+42.46	129' RT	MANHOLE	23.34 (23.2)	24.24 (23.5)	31.60 (30.7)	14	15A	30"	50	0.48
15A	17+29.64	174' RT	24" FES	23.00 (22.8)			15A				

SECTION 26, TOWNSHIP 28 SOUTH, RANGE 15 EAST
City of Dunedin, Florida

GENERAL NOTES

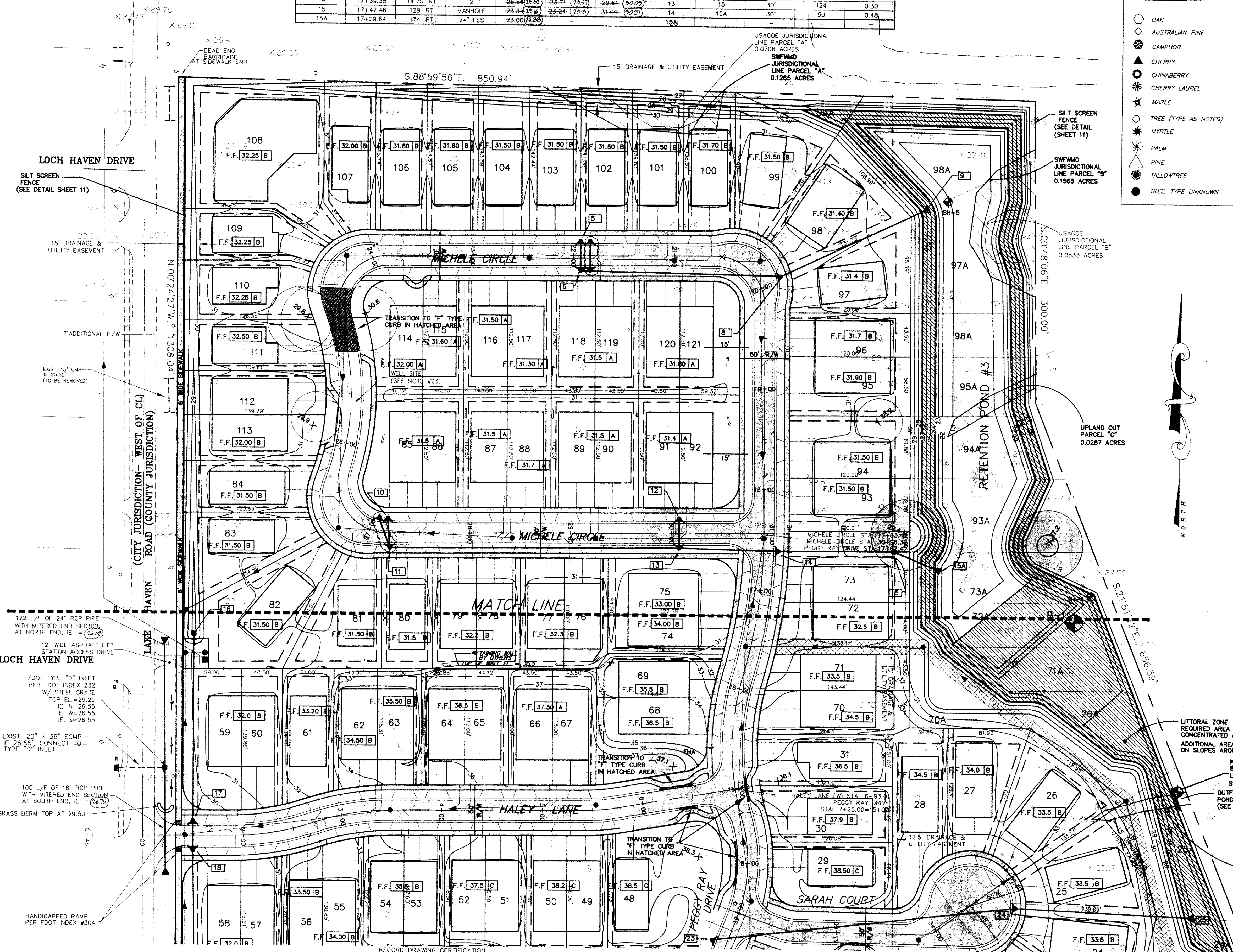
- All elevations refer to National Geodetic Vertical Datum (NGVD).
- The location of existing utilities are approximate as shown, and it is the Contractor's responsibility to determine the exact location of the utilities prior to construction in their vicinity.
- All underground utilities must be installed before base and surface courses are constructed.
- The Contractor shall notify the utility companies in the area before beginning construction (call SUNSHINE 1-800-432-4770).
- Special care is to be taken so that trees to remain are unharmed during construction.
- All practicable and necessary efforts shall be taken during construction to control and prevent erosion transport of sediment to surface drains and to lakes.
- All pipe lengths are plus or minus and are measured to center of structures.
- For lot grading detail see Sheet 12.
- Required tree barricades and erosion control measures must remain intact throughout construction. Encroachment into or failure to maintain these barricades will result in enforcement action which may include citations and/or permit revocation.
- Homeowner's Association is responsible for maintenance of storm treatment areas.
- Driveway to be constructed to F.D.O.T. Index #515.
- Saw cut existing asphalt pavement at roadway tie-in points. (Peggy Ray Drive & Virginia Street) and (Haley Lane & Lake Haven Road).
- A street lighting plan is required from Florida Power Corp. to be submitted to the City of Dunedin for review and approval.
- Developer required to pay a streetlight maintenance fee and traffic signal installation fee at final acceptance.

CONSTRUCTION NOTES

- All sidewalks to be a minimum 3000 PSI concrete and 4" thick except at driveway crossings where they shall be 6" thick reinforced with 6" #4 W.W.F.
- Length of storm sewer includes length of flared end section.
- Backfill over any pipe (storm, sewer, water line, sanitary sewer) that is to be installed under roadway or within the embankment of the roadway is to be compacted per Department of Transportation Specifications Section 125.8.3, 1991 edition. This particular section specifies compaction to 100% of maximum density as determined by AASHTO T-99.
- All intersection back of curb radii are 25 feet unless otherwise noted.
- All right-of-way installations will comply with the State of Florida Utilities Accommodations Manual.
- Disturbed area within the right-of-way will be compacted to 100% of maximum density and sodded.
- Handicap ramps will be provided along sidewalk at all intersections per City of Dunedin A.D.A. detail. Ramps to be constructed and stamped (see detail sheet 11).
- An approved insecticide must be applied to all pine trees remaining for protection against the prominent Pine Beetle.
- All proposed work must comply with the City of Dunedin Land Development, Zoning and/or related ordinances.
- All proposed work must comply with F.D.O.T. Index No. 700.
- Traffic maintenance, signs and barricades to be according to F.D.O.T. Manual of Safe Practices, reference F.D.O.T. Indexes 600 thru 650 and 17549 per Roadway and Traffic Department of Transportation Specifications Section 100 thru 106.
- All roof drains and impervious areas to be directed toward stormwater treatment areas.
- Caution - offsite disposal of any debris must occur in solid waste disposal facility approved by FDEP and Pinellas County. No waste disposal of any debris will be allowed, this includes within the retention area, etc.
- A Maintenance Agreement for the subdivision work in the form of an irrevocable letter of credit for 10% of cost of right-of-way work for a period of 18 months, payable upon completion of work.
- A City of Dunedin and/or Pinellas County rights-of-way construction permit must be obtained prior to start of any work in the existing public right-of-way.
- Soil borings will be required at the "rough grading" stage of the project to determine required locations for underdrain.
- Underdrain shall be required on the higher water table side of the road unless otherwise determined in the field by the engineer. City of Dunedin reserves the right to approve locations of proposed underdrain or require additional underdrain to be installed.
- Any underdrains installed shall be denoted on the Record Drawings.
- Topography provided by PTL, Inc. from aerial photography. Elevations to be verified by contractor prior to construction.
- Perimeter sidewalk on Lake Haven Road & Virginia Street will be constructed as part of the subdivision infrastructure improvements and meander around existing trees subject to Pinellas County Right-of-Way Utilization Permit approval.
- Wooden boardwalk on Virginia Street to meander around 40" Oak tree to be saved if boardwalk is required.
- Install Dead End Barricades at both ends of perimeter sidewalk.
- Existing wells on-site to be abandoned and capped per SWFMD requirements.
- Existing septic tank to be removed per H.R.S. specifications.
- Asbestos shingles to be removed per Pinellas County Environmental Management.
- Pavement within the rights-of-way of Virginia Street and Lake Haven Road shall meet Pinellas County specifications as follows:
Asphaltic concrete: 2" (PC-1), Base: 8" FDOT certified linerlock, compacted to 98% maximum density as determined by AASHTO T-180, Subbase: 12" stabilized to 40 LBR and compacted to 98% maximum density as determined by AASHTO T-180.
- All storm drainage pipe used within public right-of-way is to be new RCP.
- All storm water drainage pipe is to have manholes and sections per FDOT Index No. 273.
- Safe pedestrian traffic is to be maintained at all times.
- Any sidewalk which becomes undermined will be removed and replaced. Sidewalks will be constructed within three (3) days after removal. When existing sidewalk is removed, it will be removed to the nearest joint.
- A minimum of 3' cover shall exist over utilities at all ditch crossings.
- Existing underdrain or storm system will not be disturbed. If filtration bed is disturbed, the area inspector with the Pinellas County Highway Department at 464-8900 will be contacted.
- There will be no stockpiling of material in roadway or on sidewalk; all dirt and debris will be removed from job site daily. Roads and sidewalks to be swept daily as part of daily clean-up.
- Any portion of the roadway that sustains excessive construction related damage, in the opinion of the Pinellas County Highway Department, shall be repaired at the contractor's expense in a manner specified by Pinellas County Highway Department.
- All abandoned pipe to be removed or pumped full of fill material, approved by the Pinellas County Highway Department, and carried on atlas for future "One Call" location requests.
- "By Others" indicates design is subject to approval by the city of Dunedin prior to construction.
- Existing buildings to be removed.
- All curb end transitions to be per FDOT Index #300.
- Sidewalks to be constructed at the time of house construction except at "non-lot" areas.

TREE LEGEND:

- OAK
- AUSTRALIAN PINE
- CAMPBELL
- CHERRY
- CHINABERRY
- CHERRY LAUREL
- MAPLE
- TREE (TYPE AS NOTED)
- MYRTLE
- PALM
- TALLOTREE
- TREE, TYPE UNKNOWN



LEGEND

- SEWER FORCE MAIN
- SANITARY SEWER
- SANITARY MANHOLE
- SANITARY SERVICE
- WATER MAIN
- FIRE HYDRANT ASSEMBLY
- GATE VALVE ASSEMBLY
- WATER METER
- STORM SEWER
- STORM INLET
- GRATE INLET
- FLARED END SECTION
- LITTORAL SHELF AREA
- AREA OF STABILIZATION
- SILT FENCE

PAVING, GRADING, & DRAINAGE PLAN NORTH

VIRGINIA CROSSING

HIGHMARK DEVELOPMENT GROUP, Inc.

1430 VIRGINIA STREET
DUNEDIN, FLORIDA 34698 Ph. (813) 735-6100

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