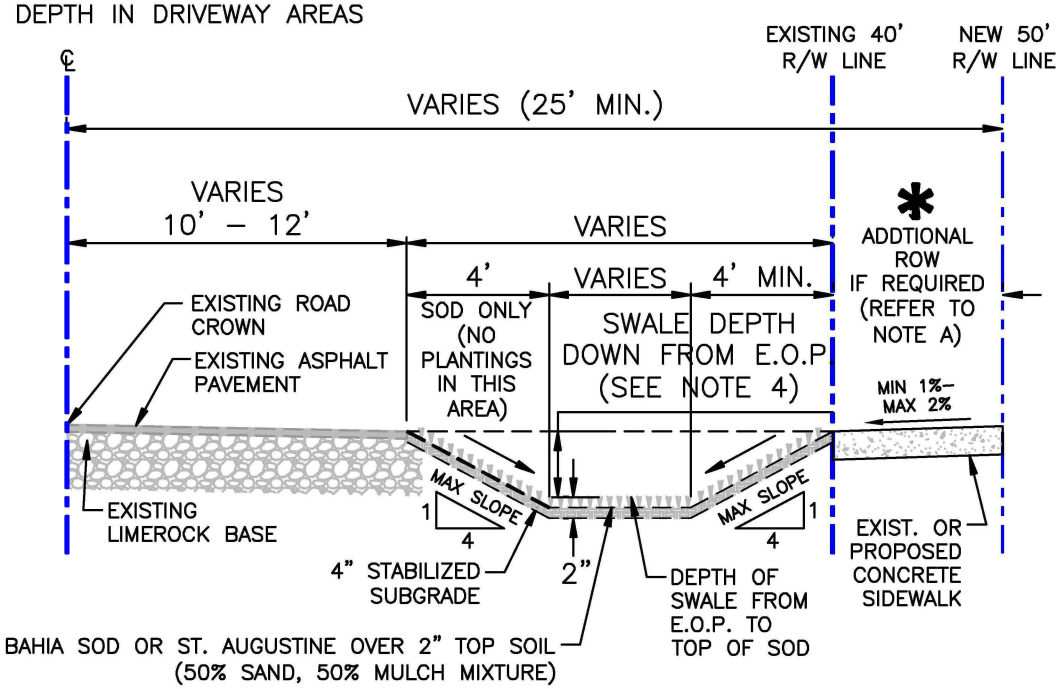
CONSTRUCTION NOTES:

1. SWALE SHALL EXTEND ENTIRE LENGTH OF PROPERTY FROM PROPERTY LINE TO PROPERTY LINE.
2. ALL MATERIALS, WORKMANSHIP, AND RESTORATION OF FEATURES IN THE RIGHT-OF-WAY SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER. MATERIAL CERTIFICATIONS, SAMPLES, SHOP DRAWINGS, DENSITY TESTS MAY BE REQUIRED BY THE CITY INSPECTOR FOR VERIFICATION & APPROVAL.
3. ENGINEERING GROUGH SWALE INSPECTION SHALL BE CALLED, INSPECTED AND PASSED PRIOR TO PLACEMENT OF CONCRETE OR ANY LANDSCAPING OR TREE INSTALLATION.
4. FINAL SWALE DEPTHS SHALL MEET THE FOLLOWING AFTER INSTALLATION OF ANY SOD OR PAVERS (INCLUDING HEADER CURBS IF APPLICABLE)
   DEPTHS ARE MEASURED FROM EXISTING EDGE OF PAVEMENT (E.O.P.):
   A. 40' ROW SECTION – 6" MINIMUM DEPTH IN NON PAVED & LANDSCAPED OR SODDED AREAS
   B. 50' ROW SECTION – 8" MINIMUM DEPTH IN NON PAVED & LANDSCAPED OR SODDED AREAS
   C. REFER TO STANDARD DRIVEWAY DETAIL SHEETS FOR SWALE DEPTH IN DRIVEWAY AREAS
5. MINIMUM CLEAR ZONE SHALL BE PROVIDED FROM EDGE OF PAVEMENT.
   A. 4' MINIMUM CLEAR ZONE FOR PLANTINGS OR SMALL GROUNDCOVER (SHALL NOT EXCEED 30" IN FULL GROWN HEIGHT)
   B. 6' MINIMUM CLEAR ZONE FOR TREES (SIGHT TRIANGLE REQUIRED ON PLANS)
6. CENTER BOTTOM OF SWALE BETWEEN EDGE OF PAVEMENT AND NEW RIGHT OF WAY LINE IF NO SIDEWALK EXISTS (SPECIAL S/W WAIVER REQUIRED BY CITY ENGINEER).
7. SIDEWALKS SHALL BE CONCRETE, CONFORM TO CITY ENGINEERING STD DETAIL C1.3R, AND RUN CONTINUOUSLY THROUGH ALL DRIVEWAYS.
8. SITE PREPARATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES AFTER INITIAL GROUGH INSPECTION MAY BE REQUIRED.

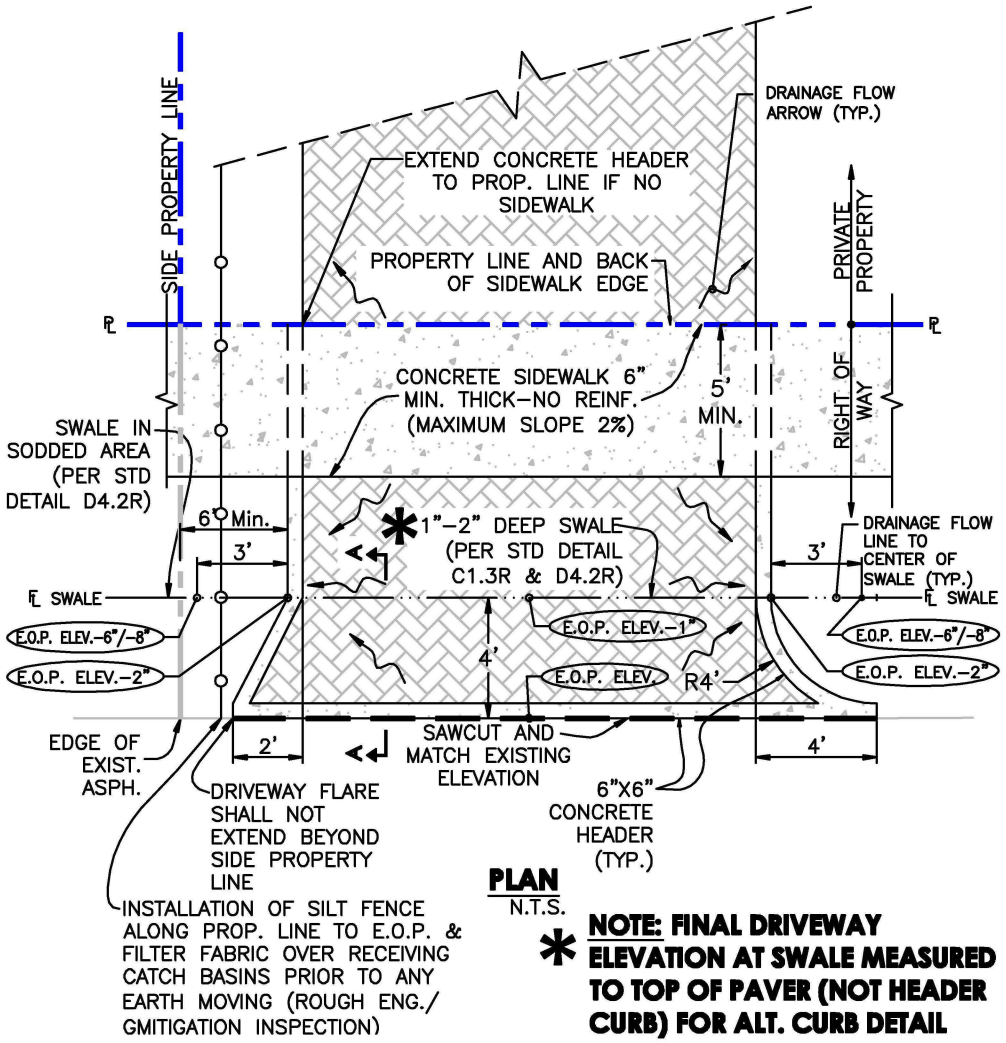


SPECIAL NOTE:

* A. RIGHT OF WAY SECTION REQUIRED TO BE A MINIMUM OF 25' FROM CENTER LINE OF ROADWAY. WHEN MINIMUM RIGHT OF WAY SECTION IS LESS THAN 25' ABUTTING PROPERTY, AN ADDITIONAL 5' RIGHT OF WAY EASEMENT IS REQUIRED. THIS EASEMENT SHALL BE RECORDED AT BROWARD COUNTY RECORDS, PRIOR TO CLOSE OUT OF PERMIT. INSTRUCTIONS AND CITY STANDARD EASEMENT DOCUMENTS CAN BE LOCATED AT: https://www.fortlauderdale.gov/Government/Departments/Development-Services/Permitting-Services/Engineering-Permits-Services/City-Public-Right-of-Way-Easements-Maintenance-Declarations

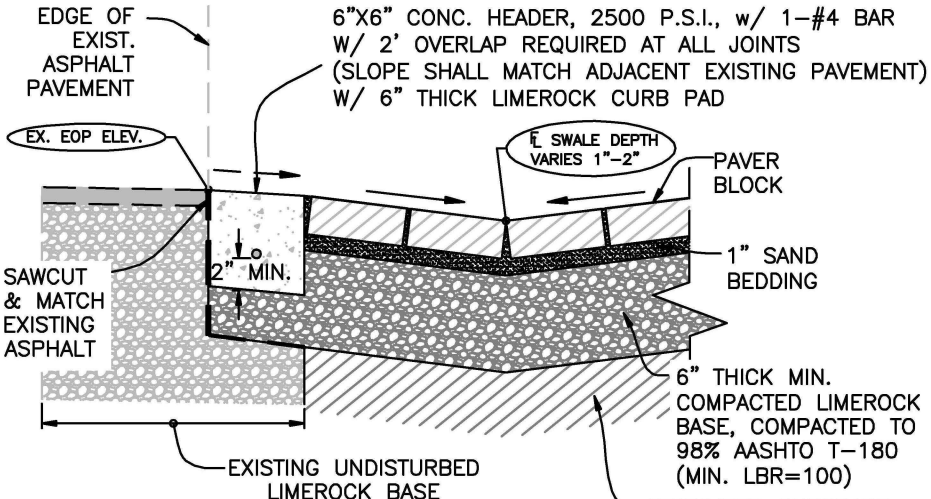
R1-2/2016

CITY OF FORT LAUDERDALE	CITY OF FORT LAUDERDALE DEVELOPMENT SERVICES DEPT.	TYPICAL SWALE CROSS SECTION	ISSUED: 2/2016
	RIGHT OF WAY ENGINEERING & CONSTRUCTION	CONSTRUCTION IN CITY ROW	DETAIL TITLE: D4.2R



PLAN
N.T.S.

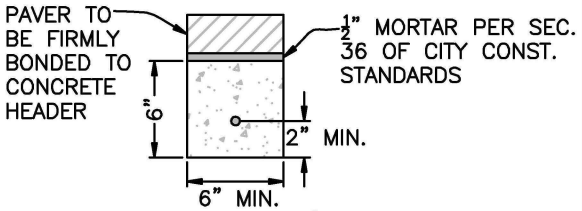
*** NOTE: FINAL DRIVEWAY ELEVATION AT SWALE MEASURED TO TOP OF PAVER (NOT HEADER CURB) FOR ALT. CURB DETAIL**



SECTION A-A
N.T.S.

GENERAL NOTES:

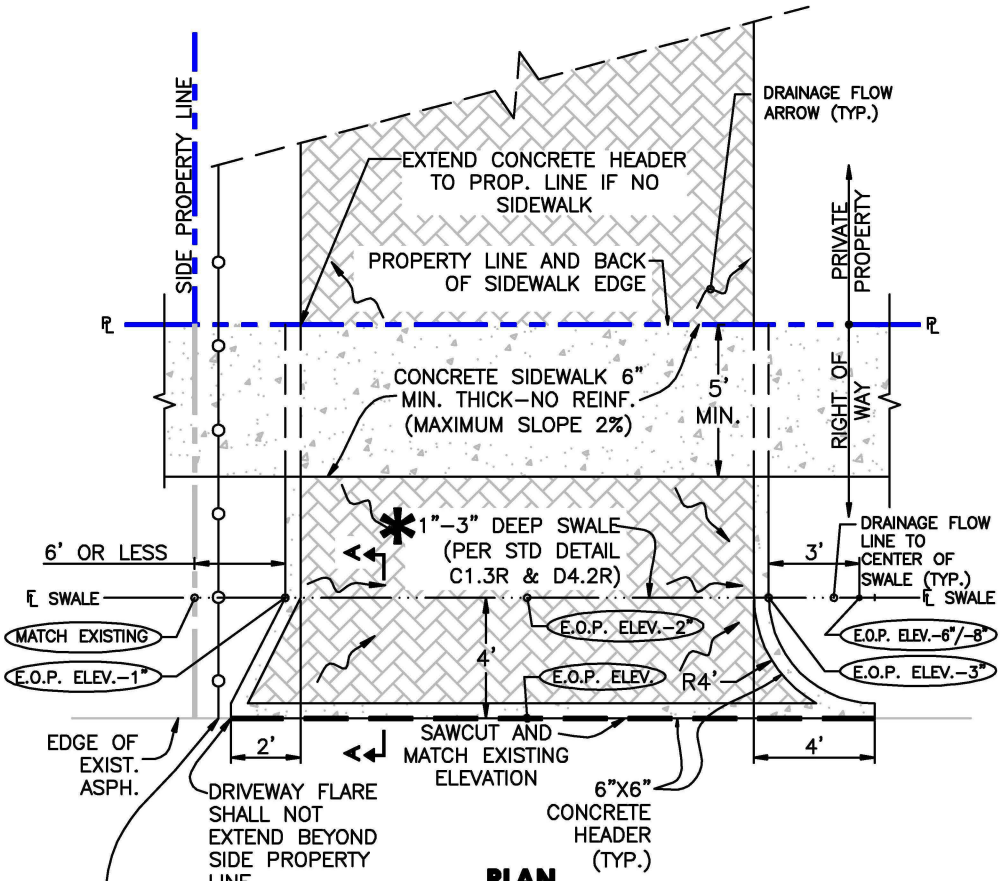
1. 2' WIDE FLARE OR OPTIONAL 4' RADIUS
2. UTILITY LOCATES SHALL BE CALLED AND DOCUMENTED PRIOR TO FIRST INSPECTION.
3. IF NEW DRIVEWAY LIMITS COVER EXISTING SEWER LATERAL:
   A. NEW CLEANOUT SHALL BE INSTALLED AT THE PROPERTY LINE WITH NEW TRAFFIC RATED BOX OR
   B. EXISTING SEWER LATERAL SHALL BE RELOCATED WITH NEW CLEAN OUT INSTALLED AT PROPERTY LINE
4. SIDEWALKS SHALL BE CONCRETE, CONFORM TO CITY RIGHT OF WAY CONSTRUCTION & ENGINEERING STD DETAIL C2.1, AND RUN CONTINUOUSLY THROUGH DECORATIVE DRIVEWAYS.
5. CONCRETE PAVERS SHALL CONFORM TO ASTM C–936. CLAY PAVERS SHALL BE HARD–BURNED AND SHALL CONFORM TO ASTM C–902. THE MINIMUM PAVER THICKNESS SHALL BE 3 1/8". DEVIATION FROM STANDARD THICKNESS REQUIRES SHOP DRAWING APPROVAL & ADDITIONAL 6" THICK CONCRETE BASE (MIN. 3000 P.S.I.) REQUIRED.
6. BEDDING SAND SHALL BE GRANULAR AND FINELY GRADED. LIMEROCK BASE SHALL BE BROUGHT UP TO GRADE BEFORE BEDDING SAND IS INSTALLED. BEDDING SAND SHALL NOT BE USED TO COMPENSATE FOR AN UNEVEN LIMEROCK BASE. PAVER GRADES SHALL BE SLOPED TO ENSURE PROPER DRAINAGE TO SWALE IN CONFORMANCE WITH STD DETAIL C1.3R & D4.2R.
7. PAVER JOINTS SHALL BE 1/8" WIDE, WITH A 1/16" TOLERANCE. ALL JOINTS SHALL BE SWEPT WITH DRY SAND UP TO THE PAVER SURFACE AND COMPACTED WITH A VIBRATORY PLATE COMPACTOR.
8. ALL MATERIALS, WORKMANSHIP, AND RESTORATION OF FEATURES IN THE RIGHT–OF–WAY SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER OR INSPECTOR. MATERIAL CERTIFICATIONS, SAMPLES, SHOP DRAWINGS, & DENSITY TESTS MAY BE REQUIRED BY THE CITY INSPECTOR FOR VERIFICATION.
9. FOR DRIVEWAYS CONSTRUCTED WITHIN 6' OF PROPERTY LINE, CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL DW–P–1ALT AND DRIVEWAY SHALL SLOPE AWAY FROM PROPERTY LINE.



ALTERNATE HEADER CURB DETAIL
N.T.S.

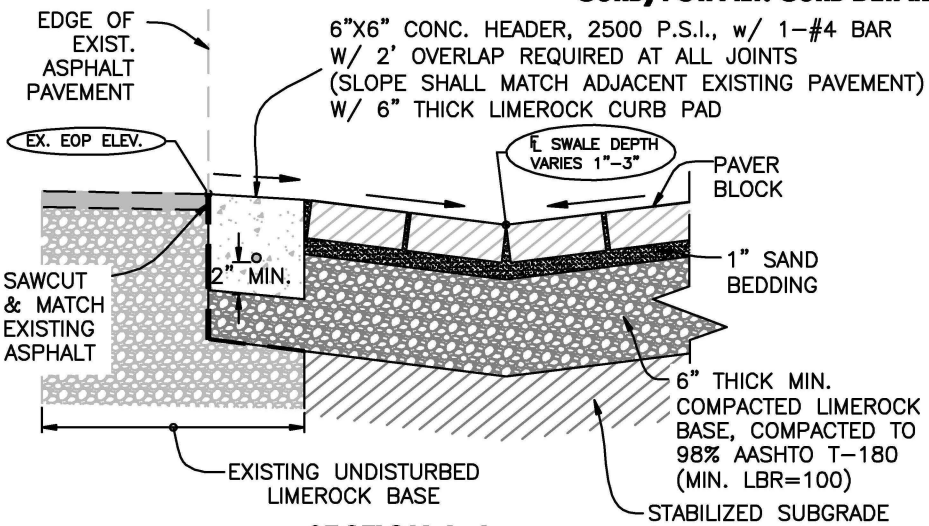
R1-2/2016

CITY OF FORT LAUDERDALE	CITY OF FORT LAUDERDALE DEVELOPMENT SERVICES DEPT.	PAVER DRIVEWAY DETAIL	ISSUED: 1/2016
	RIGHT OF WAY ENGINEERING & CONSTRUCTION	CONSTRUCTION IN CITY ROW	DETAIL TITLE: DW-P-1



PLAN
N.T.S.

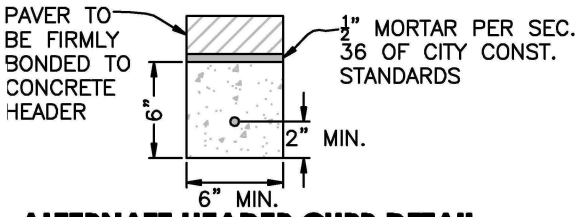
*** NOTE: FINAL DRIVEWAY ELEVATION AT SWALE MEASURED TO TOP OF PAVER (NOT HEADER CURB) FOR ALT. CURB DETAIL**



SECTION A-A
N.T.S.

GENERAL NOTES:

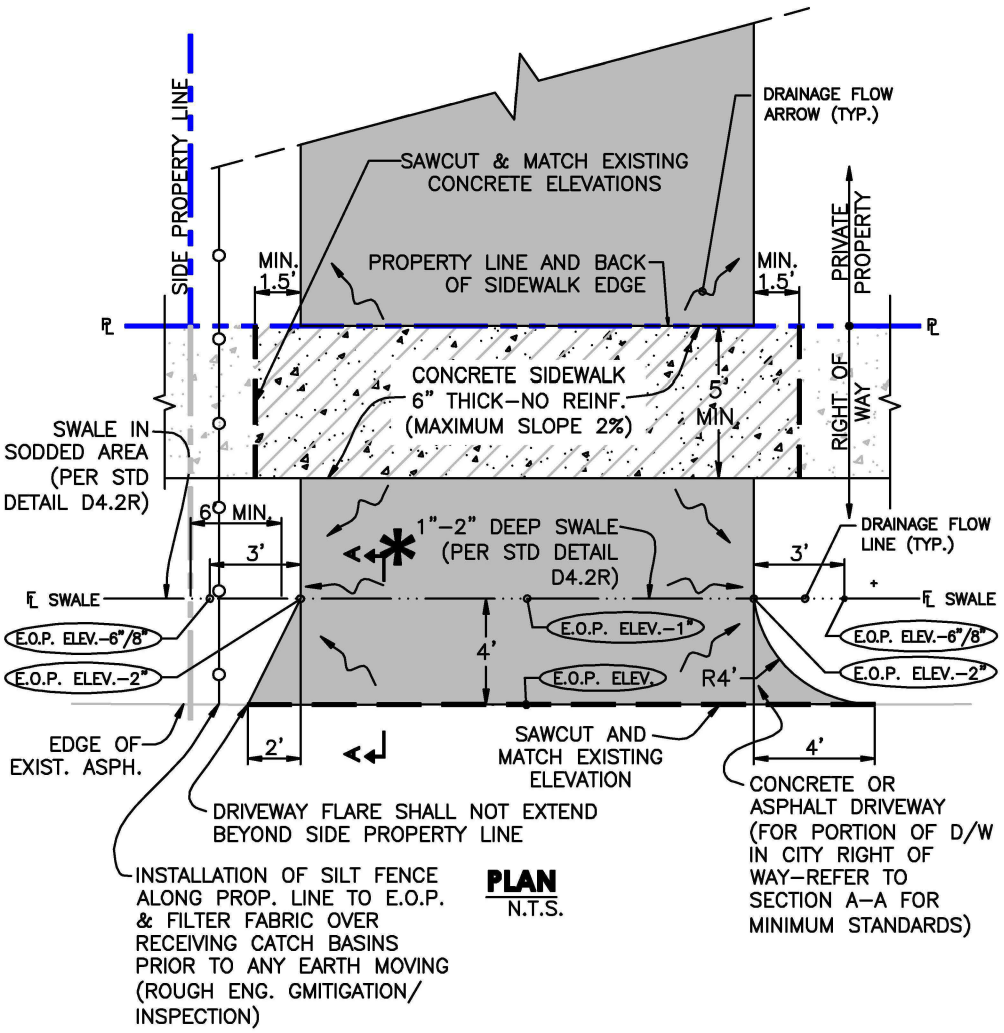
1. 2' WIDE FLARE OR OPTIONAL 4' RADIUS
2. UTILITY LOCATES SHALL BE CALLED AND DOCUMENTED PRIOR TO FIRST INSPECTION.
3. IF NEW DRIVEWAY LIMITS COVER EXISTING SEWER LATERAL:
   A. NEW CLEANOUT SHALL BE INSTALLED AT THE PROPERTY LINE WITH NEW TRAFFIC RATED BOX OR
   B. EXISTING SEWER LATERAL SHALL BE RELOCATED WITH NEW CLEAN OUT INSTALLED AT PROPERTY LINE
4. SIDEWALKS SHALL BE CONCRETE, CONFORM TO CITY RIGHT OF WAY CONSTRUCTION & ENGINEERING STD DETAIL C2.1, AND RUN CONTINUOUSLY THROUGH DECORATIVE DRIVEWAYS.
5. CONCRETE PAVERS SHALL CONFORM TO ASTM C–936. CLAY PAVERS SHALL BE HARD–BURNED AND SHALL CONFORM TO ASTM C–902. THE MINIMUM PAVER THICKNESS SHALL BE 3 1/8". DEVIATION FROM STANDARD THICKNESS REQUIRES SHOP DRAWING APPROVAL & ADDITIONAL 6" THICK CONCRETE BASE (MIN. 3000 P.S.I.) REQUIRED.
6. BEDDING SAND SHALL BE GRANULAR AND FINELY GRADED. LIMEROCK BASE SHALL BE BROUGHT UP TO GRADE BEFORE BEDDING SAND IS INSTALLED. BEDDING SAND SHALL NOT BE USED TO COMPENSATE FOR AN UNEVEN LIMEROCK BASE. PAVER GRADES SHALL BE SLOPED TO ENSURE PROPER DRAINAGE TO SWALE IN CONFORMANCE WITH STD DETAIL C1.3R & D4.2R.
7. PAVER JOINTS SHALL BE 1/8" WIDE, WITH A 1/16" TOLERANCE. ALL JOINTS SHALL BE SWEPT WITH DRY SAND UP TO THE PAVER SURFACE AND COMPACTED WITH A VIBRATORY PLATE COMPACTOR.
8. ALL MATERIALS, WORKMANSHIP, AND RESTORATION OF FEATURES IN THE RIGHT–OF–WAY SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER OR INSPECTOR. MATERIAL CERTIFICATIONS, SAMPLES, SHOP DRAWINGS, & DENSITY TESTS MAY BE REQUIRED BY THE CITY INSPECTOR FOR VERIFICATION.
9. FOR DRIVEWAYS CONSTRUCTED THAT PROVIDE MORE THAN 6' FROM PROPERTY LINE, CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD DRIVEWAY PAVER DETAIL DW–P–1.



ALTERNATE HEADER CURB DETAIL
N.T.S.

R1-2/2016

CITY OF FORT LAUDERDALE	CITY OF FORT LAUDERDALE DEVELOPMENT SERVICES DEPT.	ALTERNATE PAVER DRIVEWAY DETAIL	ISSUED: 1/2016
	RIGHT OF WAY ENGINEERING & CONSTRUCTION	CONSTRUCTION IN CITY ROW	DETAIL TITLE: DW-P-1ALT

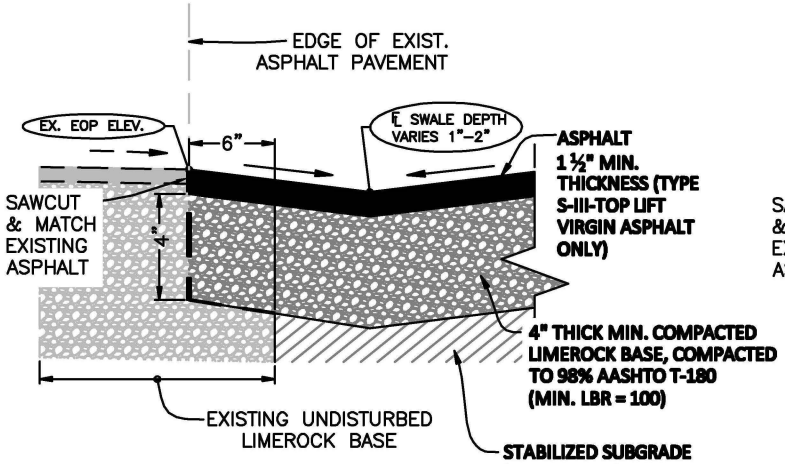


PLAN
N.T.S.

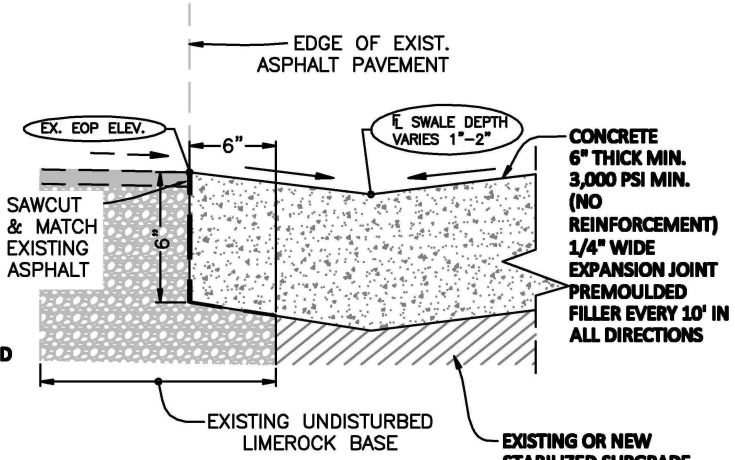
GENERAL NOTES:

1. 2' WIDE FLARE OR OPTIONAL 4' RADIUS
2. UTILITY LOCATES SHALL BE CALLED AND DOCUMENTED PRIOR TO FIRST INSPECTION.
3. IF NEW DRIVEWAY LIMITS COVER EXISTING SEWER LATERAL:
   A. NEW CLEANOUT SHALL BE INSTALLED AT THE PROPERTY LINE WITH NEW TRAFFIC RATED BOX OR
   B. EXISTING SEWER LATERAL SHALL BE RELOCATED WITH NEW CLEAN OUT INSTALLED AT PROPERTY LINE
4. SIDEWALKS SHALL BE CONCRETE, CONFORM TO CITY RIGHT OF WAY CONSTRUCTION & ENGINEERING STD DETAIL C2.1, AND RUN CONTINUOUSLY THROUGH ALL DRIVEWAYS.
5. PAVEMENT GRADES SHALL BE SLOPED TO ENSURE PROPER DRAINAGE TO SWALE IN CONFORMANCE WITH STD DETAIL D4.2R.
6. ALL MATERIALS, WORKMANSHIP, AND RESTORATION OF FEATURES IN THE RIGHT–OF–WAY SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER OR INSPECTOR. MATERIAL CERTIFICATIONS, SAMPLES, SHOP DRAWINGS, & DENSITY TESTS MAY BE REQUIRED BY THE CITY INSPECTOR FOR VERIFICATION.
7. FOR DRIVEWAYS CONSTRUCTED WITHIN 6' OF PROPERTY LINE, CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL C1.3R–ALT AND DRIVEWAY SHALL SLOPE AWAY FROM PROPERTY LINE.

✱ **NOTE: FINAL DRIVEWAY ELEVATION AT SWALE MEASURED TO TOP OF PAVER (NOT HEADER CURB) FOR ALT. CURB DETAIL.**



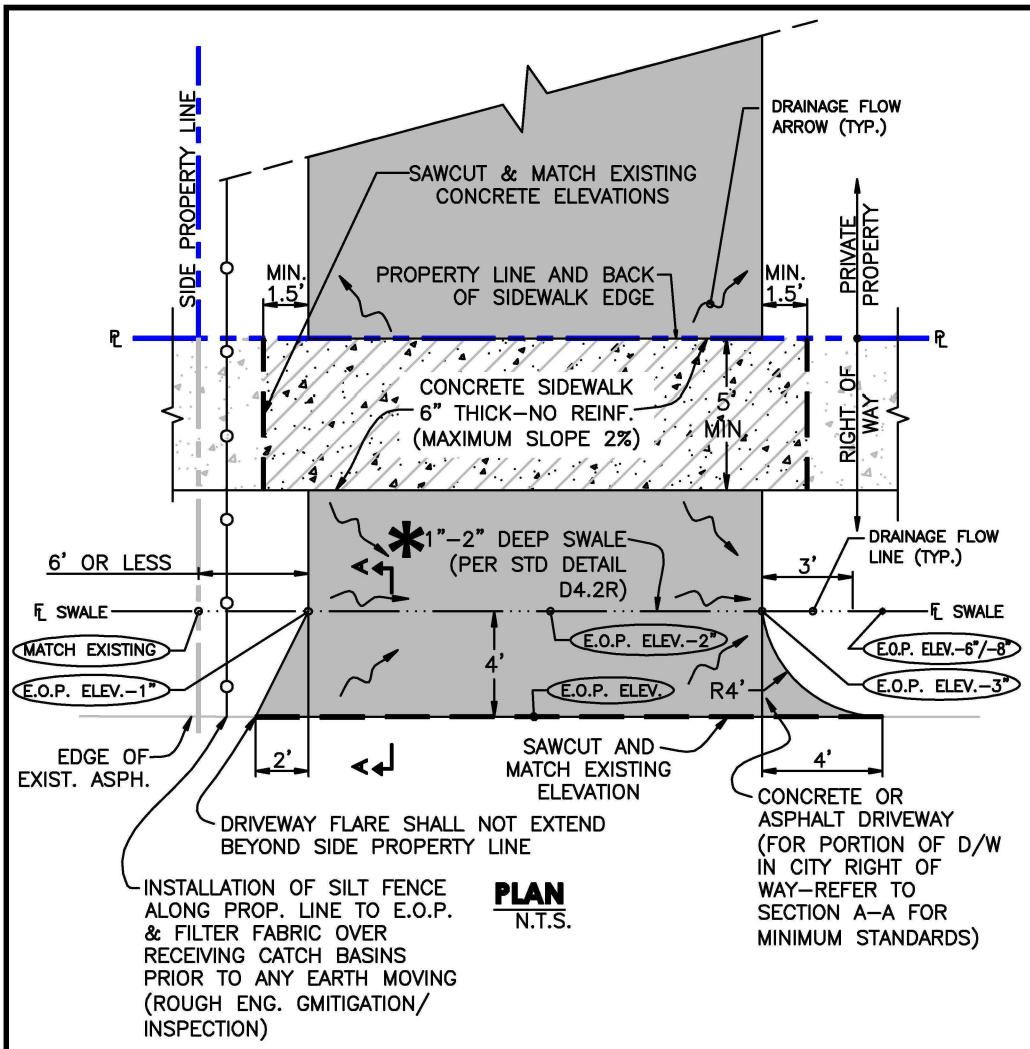
SECTION A-A
ASPHALT SECTION
N.T.S.



SECTION A-A
CONCRETE
N.T.S.

R1-2/2016

CITY OF FORT LAUDERDALE	CITY OF FORT LAUDERDALE DEVELOPMENT SERVICES DEPT.	DRIVEWAY WITHOUT CURB	ISSUED: 1/2016
	RIGHT OF WAY ENGINEERING & CONSTRUCTION	CONSTRUCTION IN CITY ROW	DETAIL TITLE: C1.3R

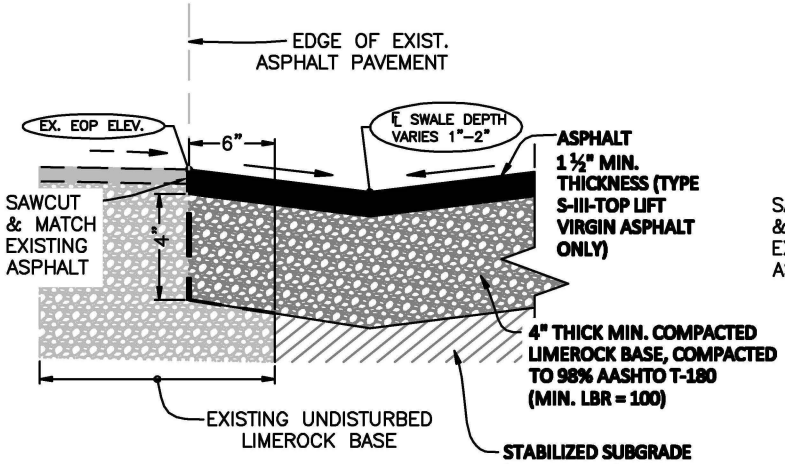


PLAN
N.T.S.

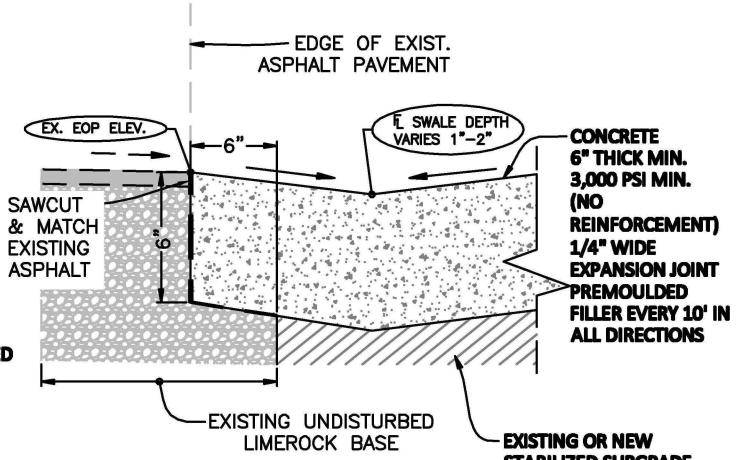
GENERAL NOTES:

1. 2' WIDE FLARE OR OPTIONAL 4' RADIUS
2. UTILITY LOCATES SHALL BE CALLED AND DOCUMENTED PRIOR TO FIRST INSPECTION.
3. IF NEW DRIVEWAY LIMITS COVER EXISTING SEWER LATERAL:
   A. NEW CLEANOUT SHALL BE INSTALLED AT THE PROPERTY LINE WITH NEW TRAFFIC RATED BOX OR
   B. EXISTING SEWER LATERAL SHALL BE RELOCATED WITH NEW CLEAN OUT INSTALLED AT PROPERTY LINE
4. SIDEWALKS SHALL BE CONCRETE, CONFORM TO CITY RIGHT OF WAY CONSTRUCTION & ENGINEERING STD DETAIL C2.1, AND RUN CONTINUOUSLY THROUGH ALL DRIVEWAYS.
5. PAVEMENT GRADES SHALL BE SLOPED TO ENSURE PROPER DRAINAGE TO SWALE IN CONFORMANCE WITH STD DETAIL D4.2R.
6. ALL MATERIALS, WORKMANSHIP, AND RESTORATION OF FEATURES IN THE RIGHT—OF—WAY SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER OR INSPECTOR. MATERIAL CERTIFICATIONS, SAMPLES, SHOP DRAWINGS, & DENSITY TESTS MAY BE REQUIRED BY THE CITY INSPECTOR FOR VERIFICATION.
7. FOR DRIVEWAYS CONSTRUCTED THAT PROVIDE MORE THAN 6' FROM PROPERTY LINE, CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD DRIVEWAY PAVER DETAIL C1.3R.

✱ **NOTE: FINAL DRIVEWAY ELEVATION AT SWALE MEASURED TO TOP OF PAVER (NOT HEADER CURB) FOR ALT. CURB DETAIL.**



SECTION A-A
ASPHALT SECTION
N.T.S.

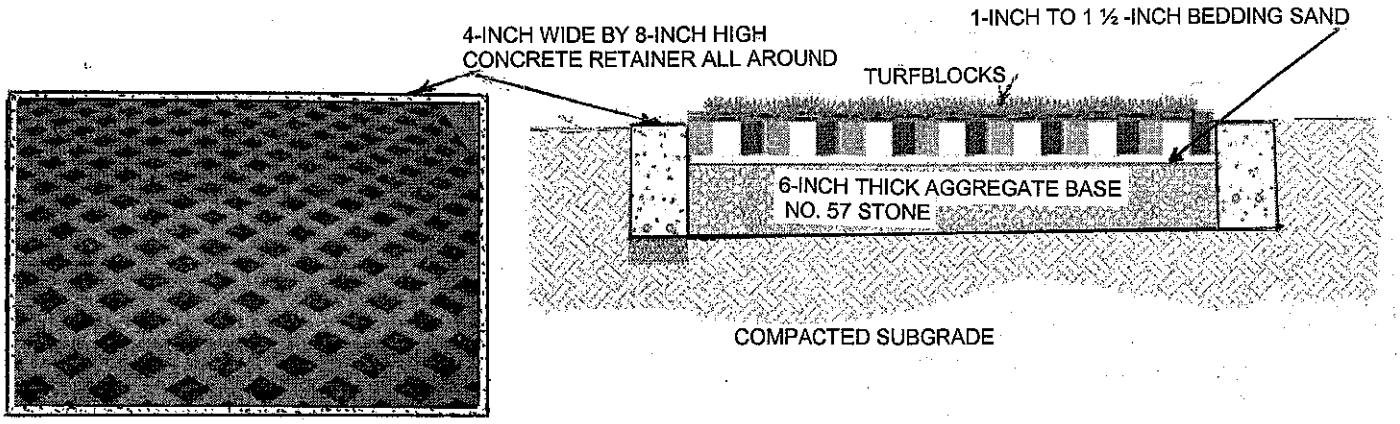


SECTION A-A
CONCRETE
N.T.S.

R1-2/2016

CITY OF FORT LAUDERDALE	CITY OF FORT LAUDERDALE DEVELOPMENT SERVICES DEPT.	ALTERNATE DRIVEWAY W/OUT CURB	ISSUED: 1/2016
	RIGHT OF WAY ENGINEERING & CONSTRUCTION	CONSTRUCTION IN CITY ROW	DETAIL TITLE: C1.3R-ALT

TYPICAL TURFBLOCK INSTALLATION REQUIREMENTS IN THE CITY'S RIGHT-OF-WAY



A typical Turfblock installation in City's swales consists of a soil subgrade, a gravel base, a layer of bedding sand and the turf block. Topsoil and grass, or stone aggregate is placed in the openings.

1. **Soil Subgrade:** The soil subgrade should be uniformly compacted to 95% of its optimum density prior to placing the gravel, sand and the grids.

2. **Aggregate Base:** Aggregate, 6-inch thick layer of FDOT No. 57 Stone shall be provided beneath turf blocks.

3. **Bedding Sand:** Bedding sand, between 1 and 11/2 inch thick layer shall be provided over the aggregate base. The sand should have uniform moisture content (not saturated) prior to placing the turf block. To maintain a level bedding surface, the sand should not be disturbed.

4. **Edge Restraints:** Concrete edge restraints or turf block retainers are necessary for turf block installation in the City's swale. The retainers shall have an area of 4-inch wide by 8-inch high, with compressive strength of 3000 psi @ 28 days, and reinforced with a #4 bar.

Please be advised that the homeowner is responsible for maintaining the turf blocks at all times.

Provide a Temporary Structure Affidavit.

Affidavit shall be properly executed and recorded in Broward County Records prior to permit issuance.