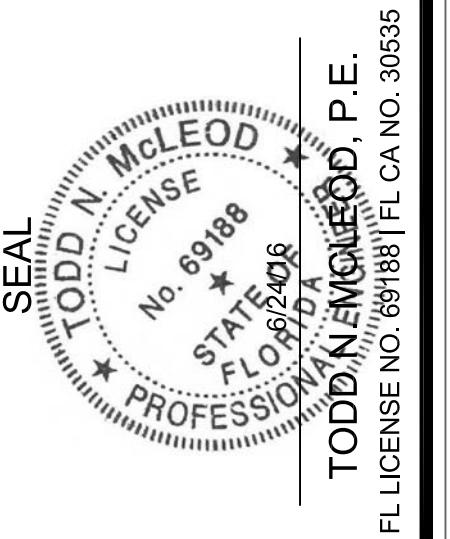


CONCEPTUAL ENGINEERING PLANS FOR: NUVO MARGATE SELF STORAGE COMMERCIAL / SELF STORAGE



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FL LICENSE NO. 89488 [FL CA NO. 30535]

GENERAL NOTES:

- COORDINATION OF DRAWINGS AND DISCIPLINES.** IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR COMPLETENESS AND ACCURACY. FURTHER CONTRACTOR IS COORDINATE ALL TRADES AND DISCIPLINES PROPERLY. ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING.
- FDOT R/W.** ALL MATERIALS AND CONSTRUCTION WITHIN THE FOOT RIGHT-OF-WAY SHALL CONFORM TO THE LATEST FDOT DESIGN STANDARDS & LATEST SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- BUILDINGS & UTILITIES.** CONTRACTOR IS ADVISED THAT THE BUILDINGS AND ASSOCIATED SYSTEMS ARE STILL UNDER REVIEW BY VARIOUS JURISDICTIONAL AGENCIES. AS SUCH, THERE MAY BE MODIFICATIONS TO SERVICE LINES (MATERIALS, SIZES, LOCATIONS, DEPTHS, ETC.) AS THE DOCUMENTS ARE PERMITTED.
- SAFETY.** IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE RESPECTIVE UTILITY PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND LINES. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD LINES PRIOR TO WORKING WITHIN THE VICINITY OF THE LINES.
- FAMILIARITY WITH SITE CONDITIONS.** THE CONTRACTOR SHALL VISIT THE SITE AND ACCOUNT HIMSELF WITH ALL EXISTING CONDITIONS. MAKE HIS OWN SUBSURFACE INVESTIGATION TO SATISFY HIMSELF AS TO THE SITE AND SUBSURFACE CONDITIONS, BUT SUCH SUBSURFACE INVESTIGATIONS SHALL BE PERFORMED ONLY UNDER TIME SCHEDULES AND ARRANGEMENTS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE AND ENGINEER. THE EXISTING GRADES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND NO REPRESENTATION IS MADE AS TO THEIR ACCURACY OR CONSISTENCY. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES TO THE EXTENT NECESSARY TO INSURE COMPLETION OF THE JOB TO THE PROPOSED GRADES INDICATED ON THE DRAWINGS.
- WORKMANSHIP.** ALL WORK SHALL BE PERFORMED IN A WORKMANSHIP-LIKE MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS AND/OR CODES, INCLUDING OSHA.
- ELEVATIONS.** ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- SURVEY & BENCHMARK.** REFER TO SURVEY PREPARED BY PULICE LAND SURVEYORS FOR ADDITIONAL INFORMATION.
- GEOTECHNICAL INFORMATION.** REFER TO GEOTECHNICAL REPORTS AND BORING LOGS FOR ADDITIONAL INFORMATION INCLUDING SITE PREPARATION REQUIREMENTS.
- FIELD LOCATIONS.** THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770)" AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. THE CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO ALL AFFECTED UTILITY OWNERS FOR REMOVAL, RELOCATION AND ALTERATION OF THEIR EXISTING FACILITIES.
- PROTECTION OF UTILITIES.** THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF ALL EXISTING AND NEWLY INSTALLED ABOVE GROUND, UNDERGROUND, AND ON THE SURFACE STRUCTURES AND UTILITIES FROM DAMAGE OR SERVICE DISRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY, AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- EXISTING UTILITIES.** PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES AND SOILS CONDITIONS AND SHALL NOTIFY THE ENGINEER IN THE EVENT OF ANY DISCREPANCIES WITH THE PLANS.
- EXISTING UTILITIES.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- FIELD REVIEWS.** THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY REQUIRED FIELD REVIEWS OR INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY, LABOR AND MATERIALS FOR INSPECTION AND/OR TEST. ALL WORK SHALL BE OPEN AND SUBJECT TO REVIEW AND/OR INSPECTION BY AUTHORIZED PERSONNEL OF THE CITY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER, AND REGULATORY AGENCIES. ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN THE OWNER'S SHALL BE REPORTED TO THE ENGINEER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY THE ENGINEER OR OWNER.
- DIFFERING SITE CONDITIONS.** THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION IN THE AREA OF CONFLICT. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH ARE REPRESENTED ON THE PLANS, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE OWNER IN WRITING.
- DEWATERING.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ANY DEWATERING PERMITS AND/OR APPROVALS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED FACILITIES AND SYSTEMS.
- PERMITS.** THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND/OR LICENSES TO COMMENCE CONSTRUCTION.
- USE OF EXISTING MATERIALS.** NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.
- EXISTING LANDSCAPE.** CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE PLAN OR DESIGNATED IN THE FIELD.
- TESTING.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTS TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER. THE CONTRACTOR UNDERSTANDS THAT ANY AND ALL TESTS, INSPECTIONS, PROCEDURES INCLUDING ALL LABOR, MATERIALS, TIME AND EFFORT IN ORDER TO HAVE ALL WORK DESIGNATED AS FINAL BY THE RESPECTIVE JURISDICTIONAL AUTHORITIES AND THAT SUCH TESTS, INSPECTIONS AND PROCEDURES ARE INCLUDED IN THE BID.
- FINAL UTILITY ADJUSTMENTS.** ALL UTILITIES SHALL BE ADJUSTED TO NEW FINISH GRADES AND PROPERLY SET TO PAVEMENT CROSS SLOPE AS REQUIRED.

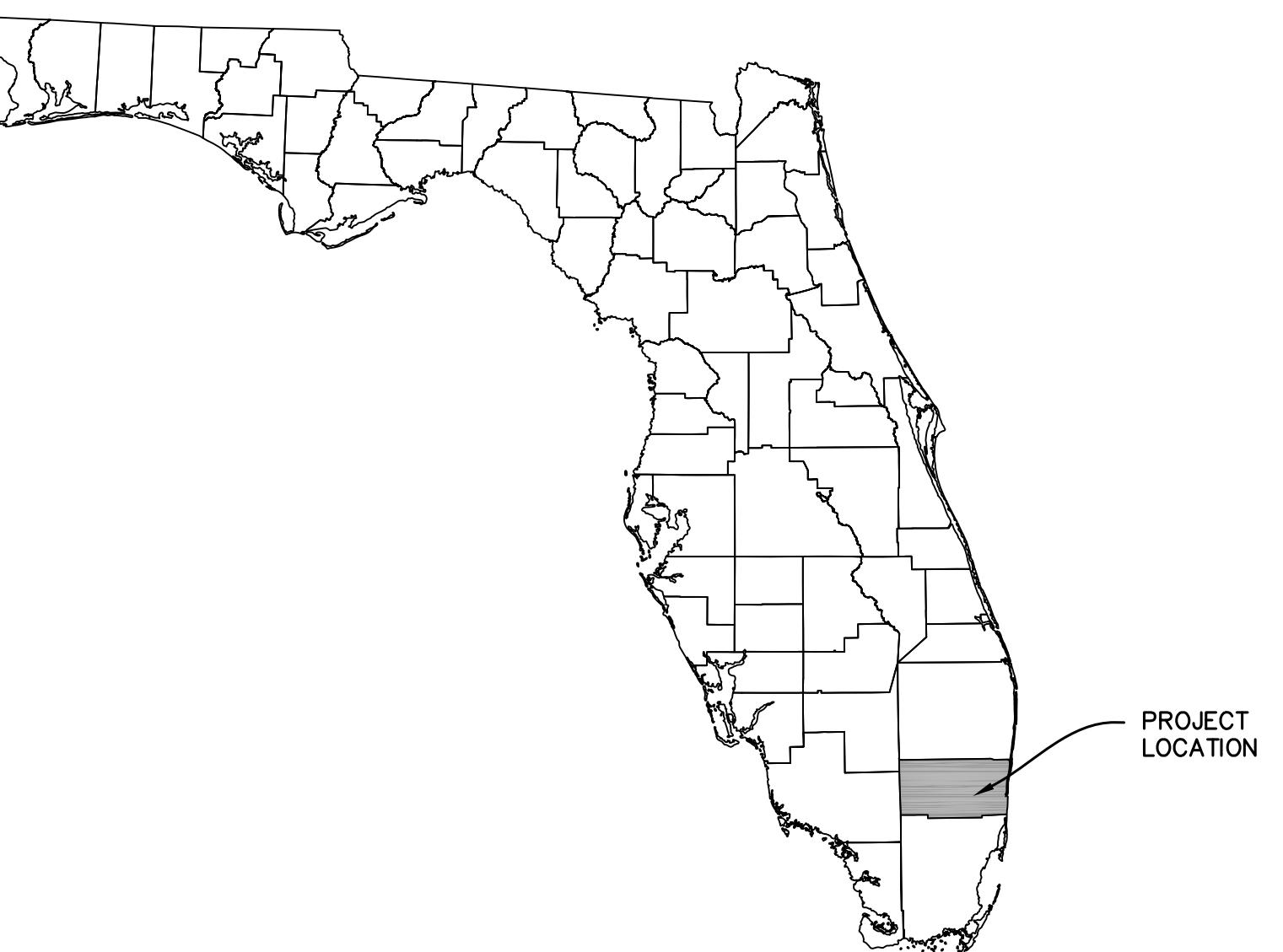
STATE ROAD 7 & SW 8th COURT
MARGATE, FLORIDA
MMA PROJECT #16-010

DRAWING INDEX

DWG. #	TITLE	FIELD:	DRAWN: P. Safford DESIGNED: TMN APPROVED: TMN	PROJECT #:	REVISIONS	NO.	DATE	REV PER DRG COMMENTS
01	COVER SHEET							
02	PAVING, GRADING, & DRAINAGE PLAN							
03-04	PAVING, GRADING, & DRAINAGE DETAILS							
05	WATER & WASTEWATER PLAN							
EX	FIRE ACCESS EXHIBIT							



PROJECT LOCATION MAP
N.T.S.



PROJECT TEAM

CIVIL ENGINEER:
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P 561.568.8045
michael@mylandentitlements.com

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WINTER PARK, FLORIDA 32789

ARCHITECT:
FARMER ARCHITECTURE
941 LAKE BALDWIN LN
ORLANDO, FLORIDA 32814



Know what's below.
Call before you dig.

COVER SHEET
NUVO MARGATE SELF STORAGE
COMMERCIAL / SELF STORAGE
MARGATE, FLORIDA

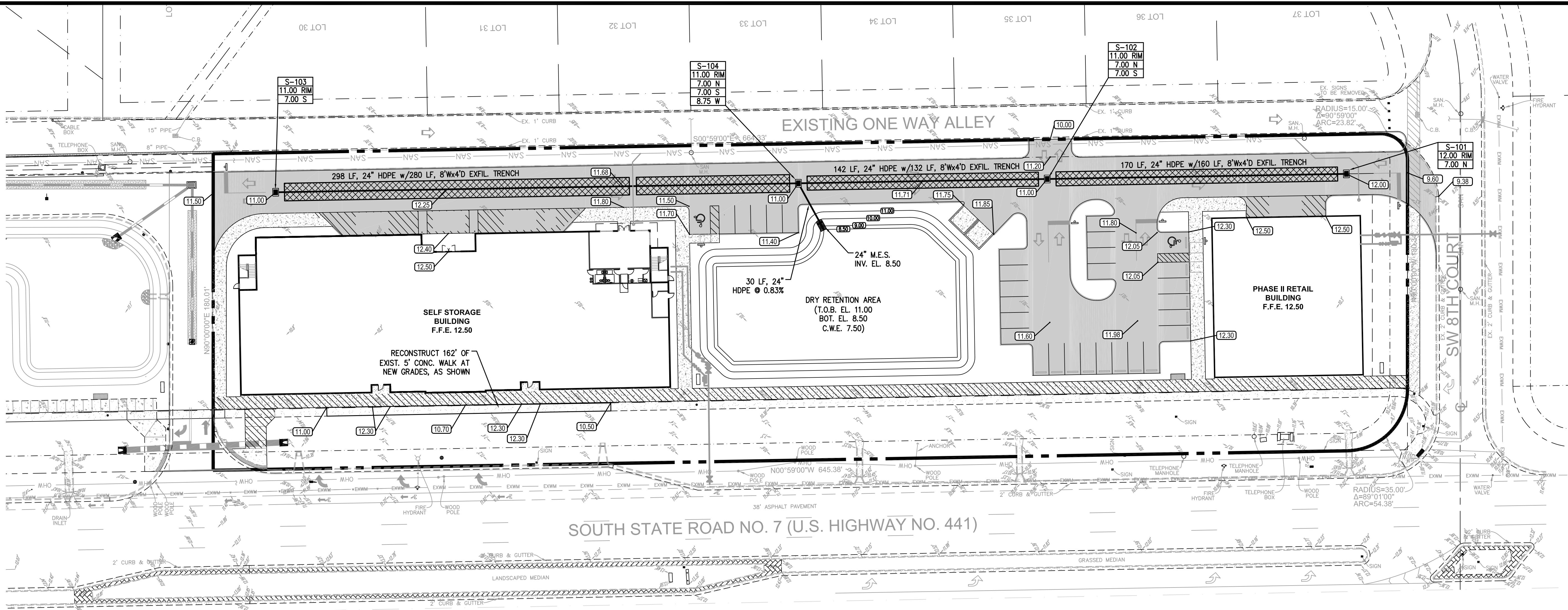
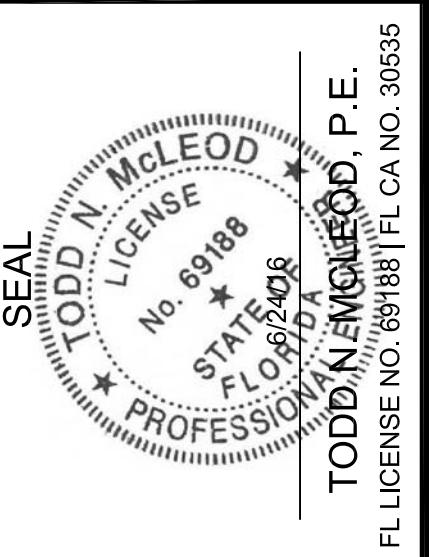
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DATE: 6/24/16

SHEET
01
OF 5



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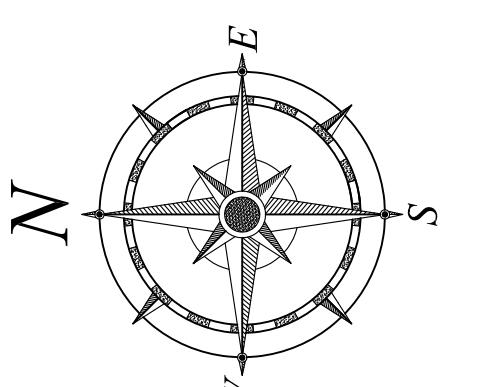
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SOUTH STATE ROAD NO. 7 (U.S. HIGHWAY NO. 441)

NOTES:

1. ALL LANDSCAPE AREAS ADJACENT TO BUILDING SHALL BE GRADED TO DRAIN AWAY FROM BUILDING.
2. CONTRACTOR SHALL CONFIRM DETECTABLE WARNING REQUIREMENTS WITH BUILDING OFFICIAL PRIOR TO INSTALLATION.
3. WHERE LANDSCAPE/SOD ABUTS BUILDING SLAB, A MINIMUM 3" SLAB REVEAL SHALL BE PROVIDED.
4. MAXIMUM SLOPE FROM TOP OF CURB AND BACK OF WALK TO FINISHED GRADE SHALL BE 4(H):1(V), UNLESS OTHERWISE NOTED.
5. ALL BUFFER, DETENTION, SWALE, AND UN-LANDSCAPED/UNPAVED AREAS SHALL BE SODDED UNLESS OTHERWISE NOTED.
6. REFER TO SITE PLAN PREPARED BY MANAGED LAND ENTITLEMENTS / LITTERICK LANDSCAPE ARCHITECTURE FOR ADDITIONAL SITE REQUIREMENTS.
7. THERE SHALL BE NO LANDSCAPING OTHER THAN SOD WITHIN THE TWO-FOOT PARKING SPACE.



0 30 60
SCALE: 1" = 30'

ACCESSIBILITY NOTES:

1. ACCESSIBLE ROUTES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
2. ALL WALKS CROSSING A VEHICULAR AREA SHALL HAVE DETECTABLE WARNING SURFACE (TRUNCATED DOME) IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
3. CURB RAMP SLOPES AND DIMENSIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX NO. 304. CURB RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME AND SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

LEGEND
PROP. SIGN
SURFACE FLOW ARROW
PROP. PAVEMENT
PROP. CONC. PAVERS
PAVEMENT RESTORATION
RECONSTRUCT CONCRETE TO ACHIEVE PROP. GRADES
PROPOSED ELEVATION
EXIST. ELEVATION

PAVING, GRADING, & DRAINAGE PLAN
NUVO MARGATE SELF STORAGE
COMMERCIAL/ SELF STORAGE
MARGATE, FLORIDA

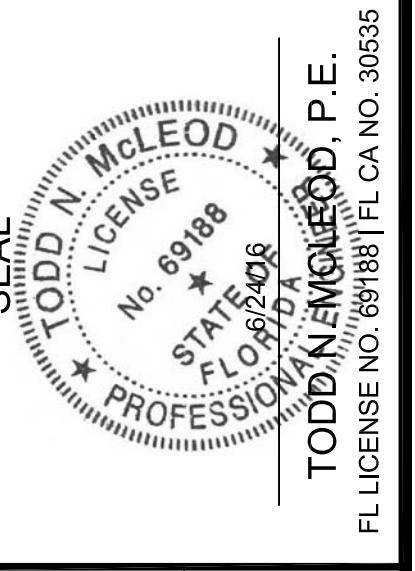
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DATE: 6/24/16

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OF 5

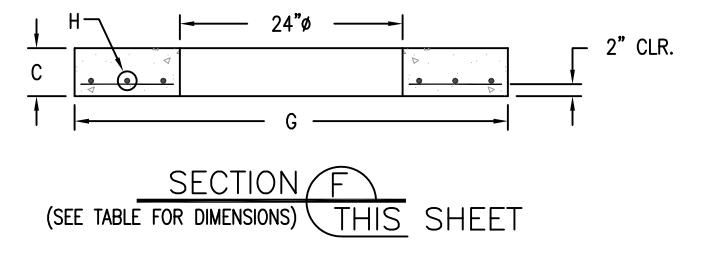
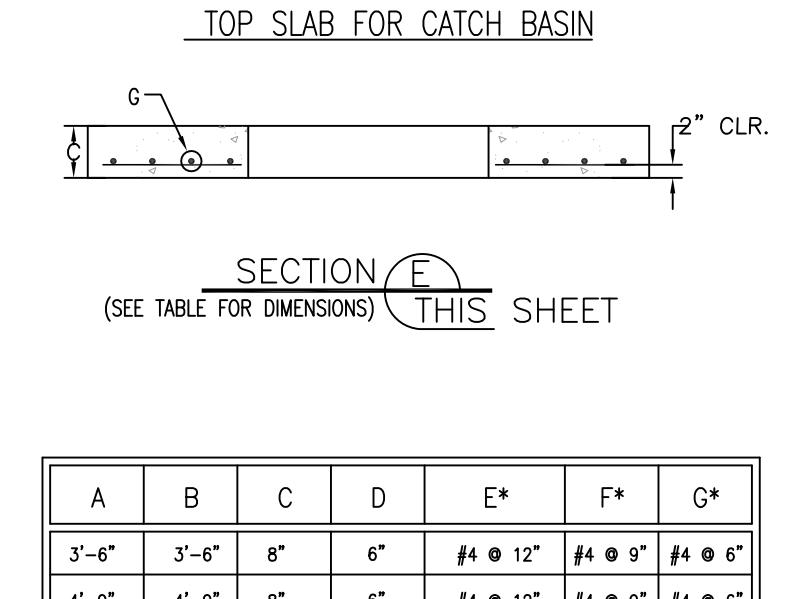
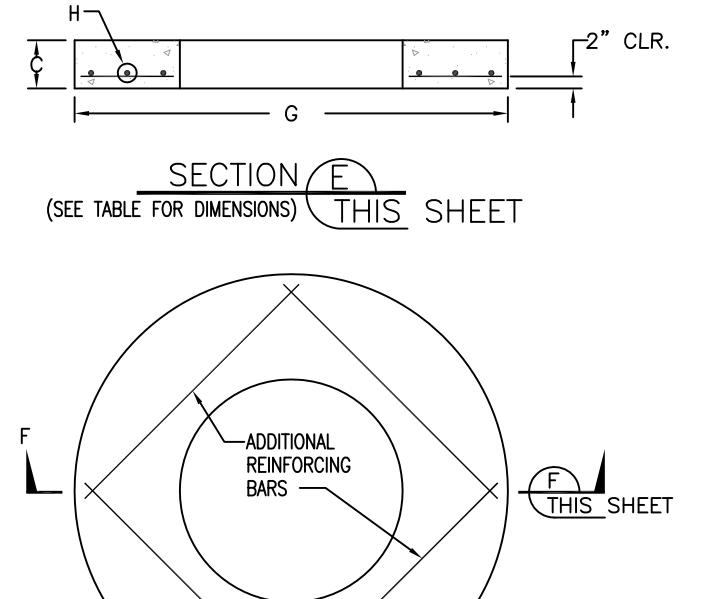
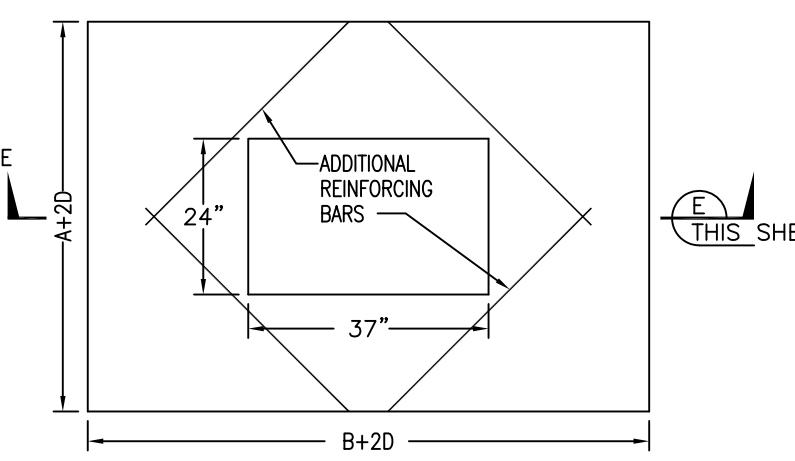
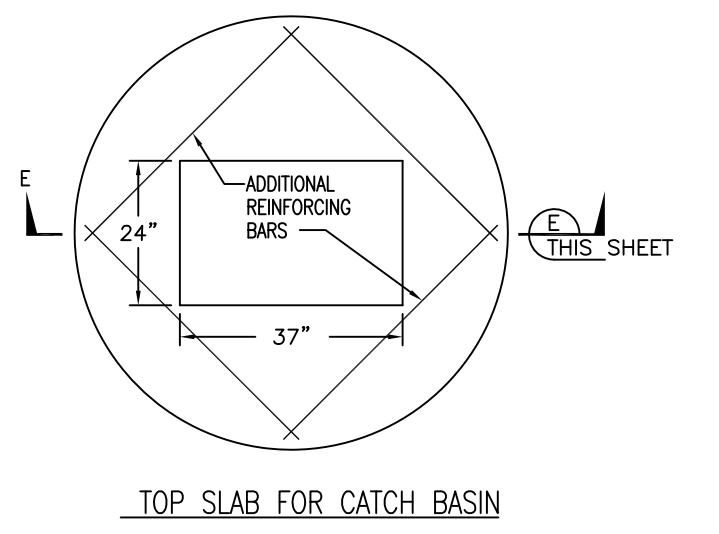
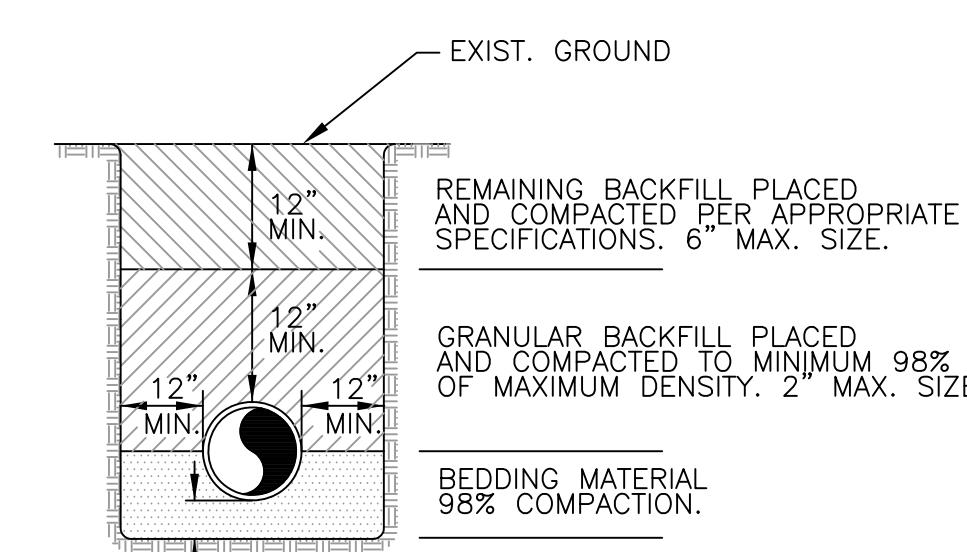
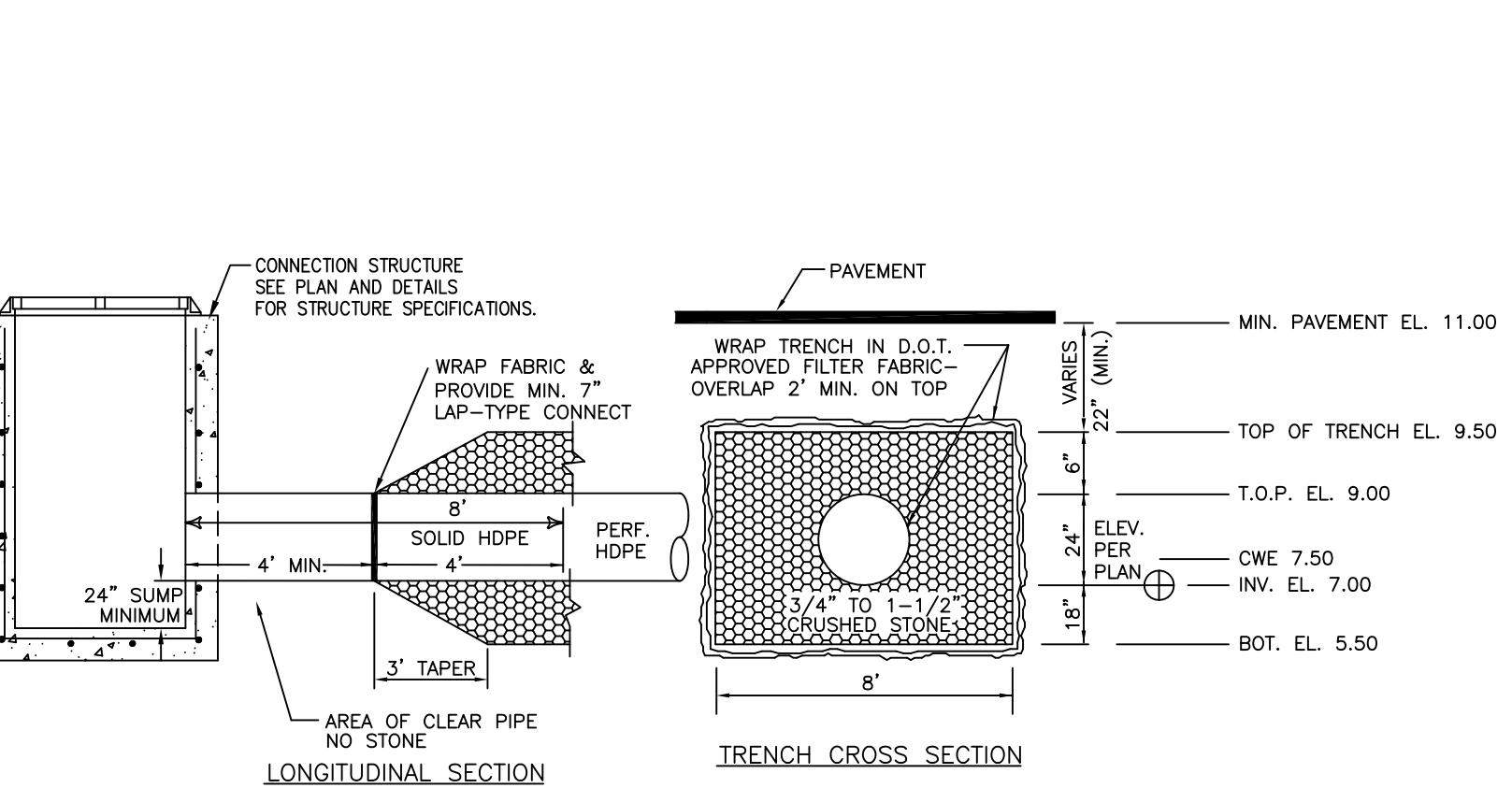
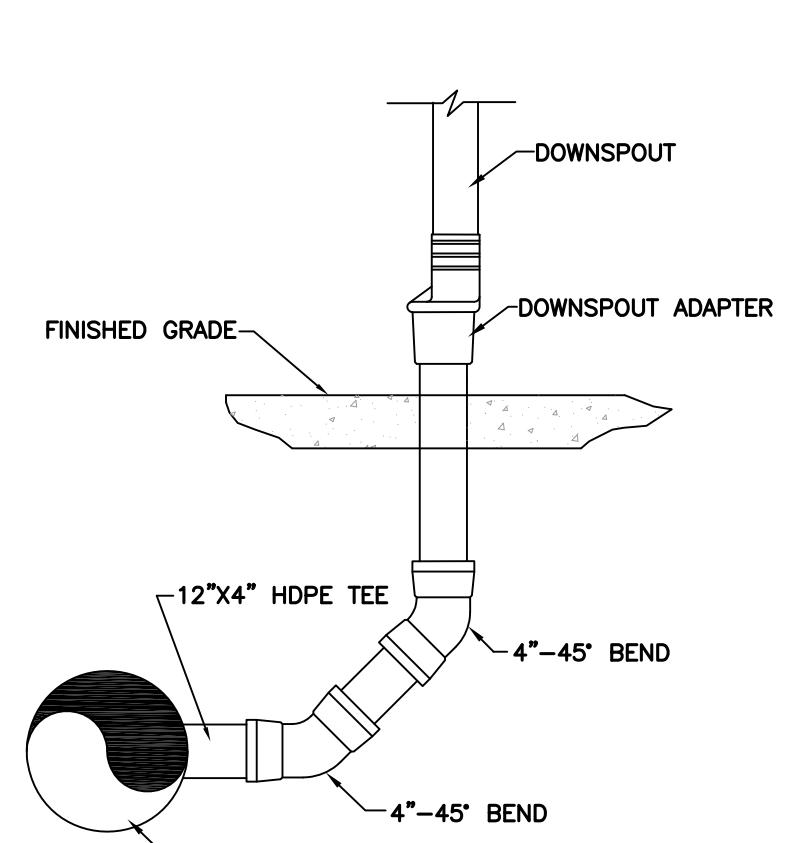
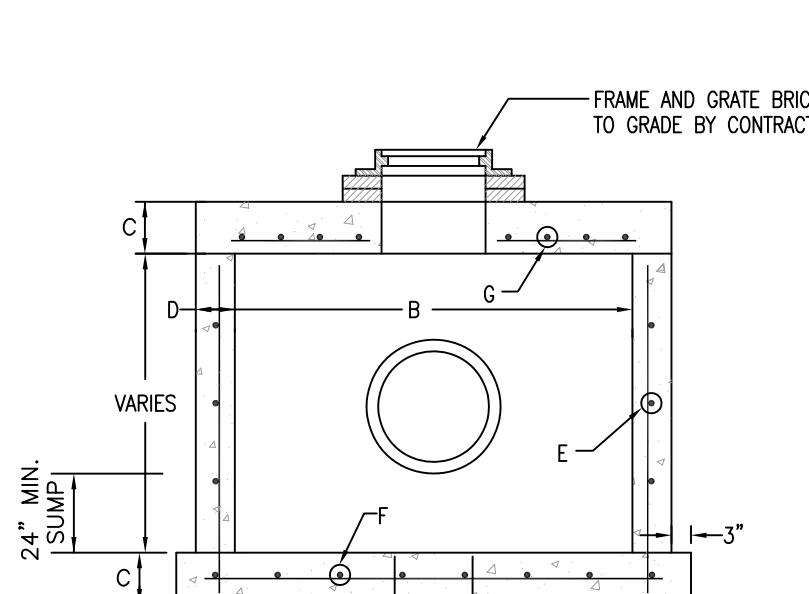
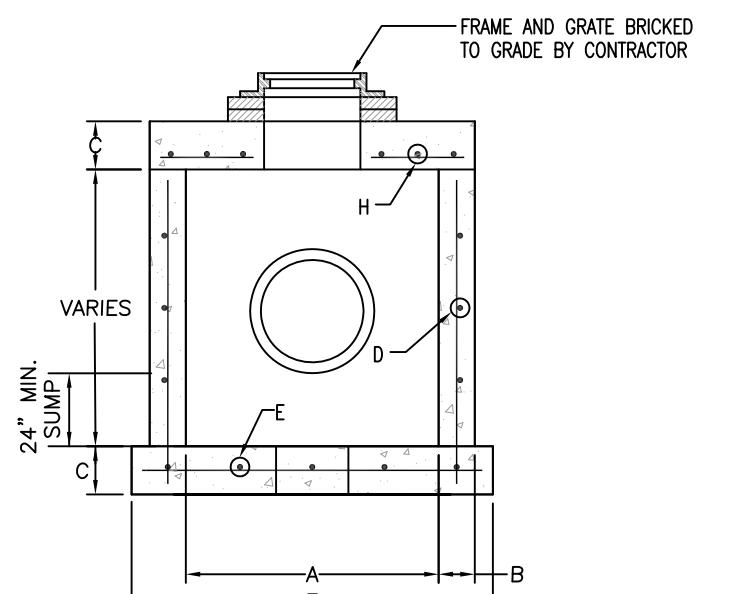


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FL LICENSE NO. 691888 [FL CA NO. 303535]



A	B	C	D	E*	F*	G*	H*
3'-6"	4"	8"	ASTM C-470	#4 @ 12"	4'-8"	4'-2"	#4 @ 6"
3'-6"	6"	8"	ASTM C-470	#4 @ 12"	5'-0"	4'-6"	#4 @ 6"
4"	6"	8"	ASTM C-470	#4 @ 12"	6'-0"	5'-0"	#4 @ 6"
4"	8"	8"	ASTM C-470	#4 @ 12"	6'-4"	4'-4"	#4 @ 6"
5'-0"	8"	8"	ASTM C-470	#5 @ 12"	7'-4"	6'-4"	#5 @ 6"
6'-0"	6"	8"	ASTM C-470	#5 @ 6"	8'-0"	7'-0"	#5 @ 6"
6'-0"	8"	8"	ASTM C-470	#5 @ 8"	8'-4"	7'-4"	#5 @ 6"
7'-0"	8"	8"	ASTM C-470	#5 @ 6"	9'-4"	8'-4"	#5 @ 6"
8'-0"	10"	10"	ASTM C-470	#5 @ 6"	10'-8"	9'-8"	#6 @ 6"
10'-0"	12"	12"	ASTM C-470	#5 @ 12"	12'-0"	12'-0"	#6 @ 6"

INLET NOTES

BEVELED EDGES: ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4". FOUNDATION MATERIAL: WHERE MATERIAL UNSATISFACTORY FOR FOUNDATION IS ENCOUNTERED, ALL SUCH MATERIAL MUST BE REMOVED, DOWN TO SATISFACTORY MATERIAL AND BACKFILLED TO SUBGRADE WITH CLEAN SAND. INLET TYPES: INLETS ARE TO BE CONSTRUCTED TO THE DIMENSIONS SHOWN HEREON. INLETS RECEIVING PIPE LARGER THAN 42" DIAMETER SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS.

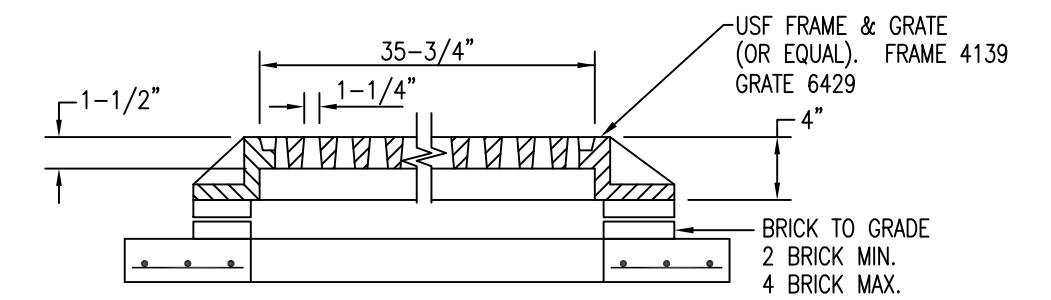
MATERIAL: INLET WALLS AND BASES MAY EITHER BE CAST-IN-PLACE CLASS I, 2500 P.S.I. CONCRETE OR PRECAST CLASS II, 4000 (MIN.) P.S.I. CONCRETE. CIRCULAR CATCH BASIN (ON-SITE)

RECTANGULAR CATCH BASIN (ON-SITE)

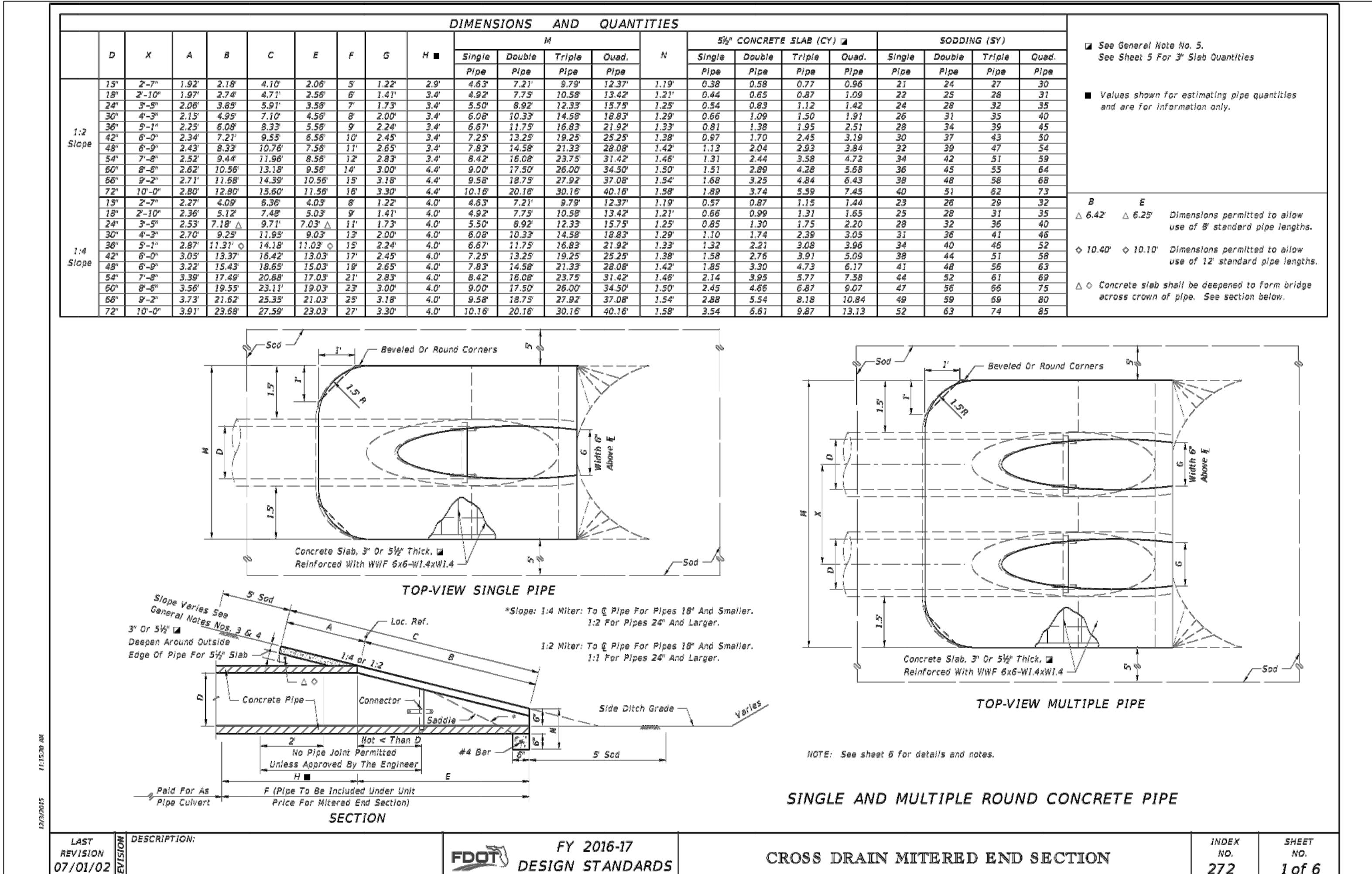
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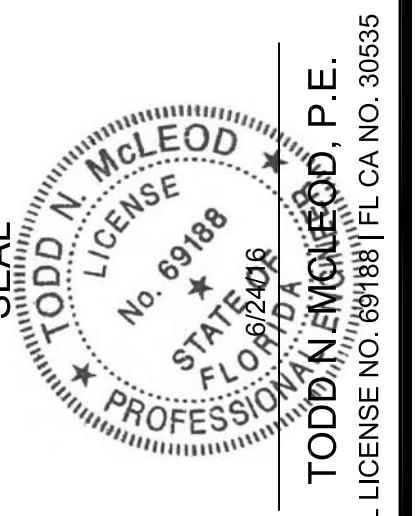
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CIRCULAR CATCH BASIN (ON-SITE)



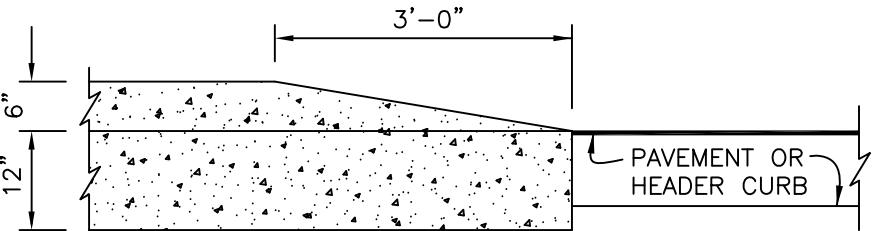
INLET TOP (TYPE 'C-D' INLET)



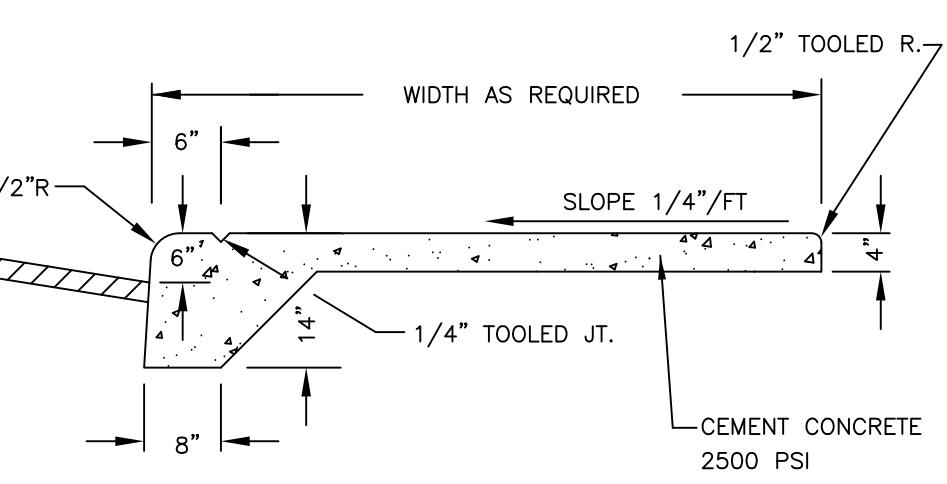


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PROFESSIONAL
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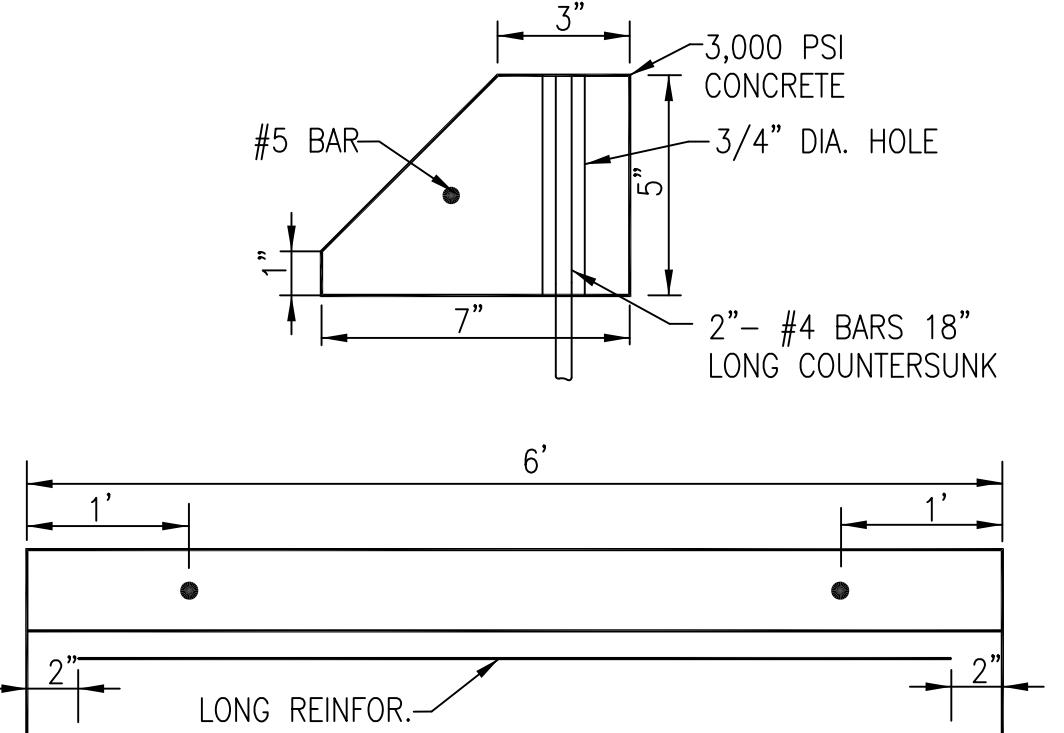
REVISIONS
NO. DATE
FIELD: DRAWN: P. Safford
DESIGNED: TNM
APPROVED: TNM
PROJECT #: 16-010
DRAWING #: 1
1 6/14/16 REV PER DRG COMMENTS



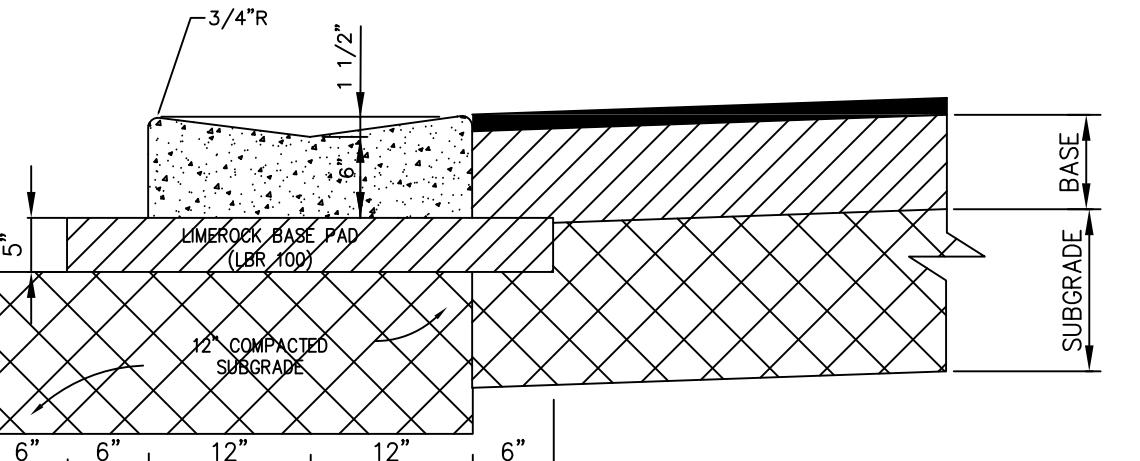
TRANSITION CURB TAPER DETAIL
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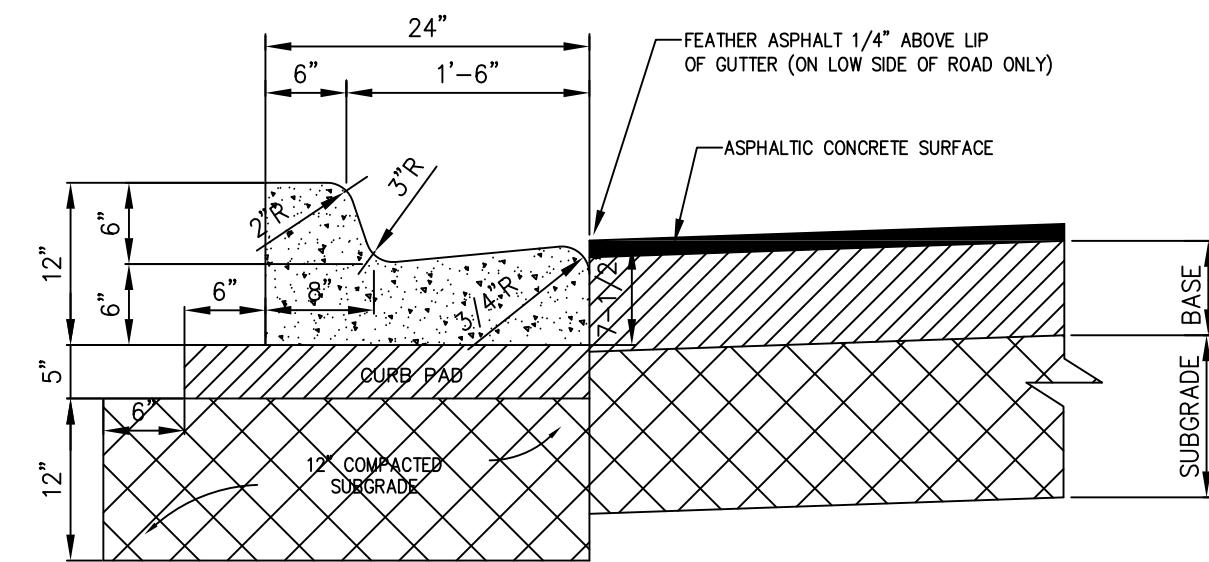
MONOLITHIC CURB
AND SIDEWALK SECTION
N.T.S.



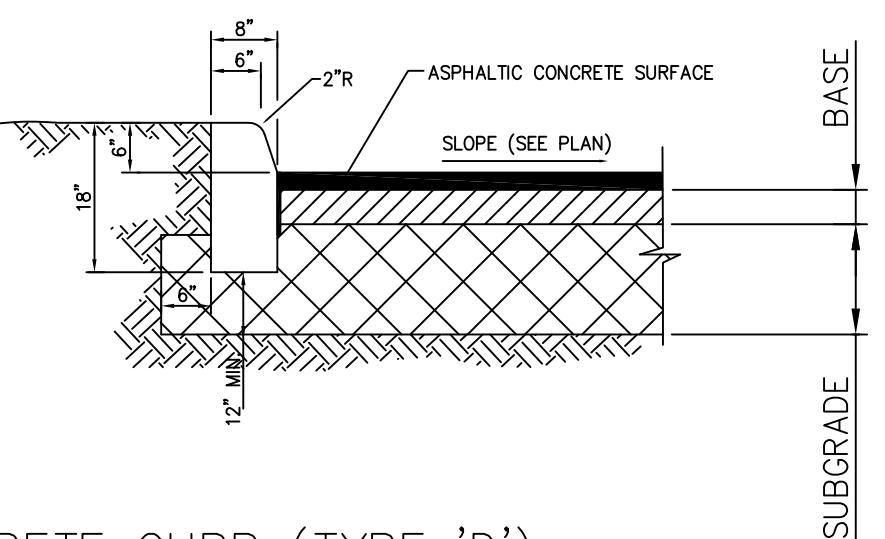
CONCRETE WHEEL STOP DETAIL
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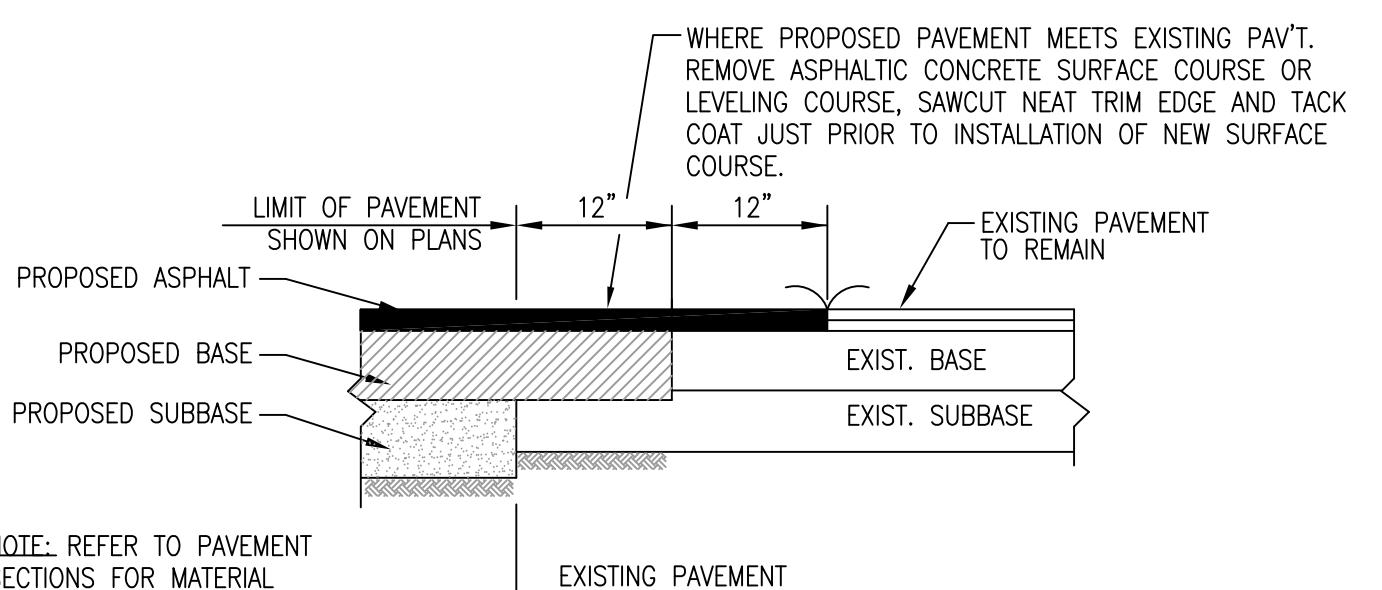
VALLEY GUTTER
REFER TO FDOT INDEX 300 FOR NOTES AND DETAILS
SCALE: NONE



TYPE "F" CURB & GUTTER
SCALE: NONE

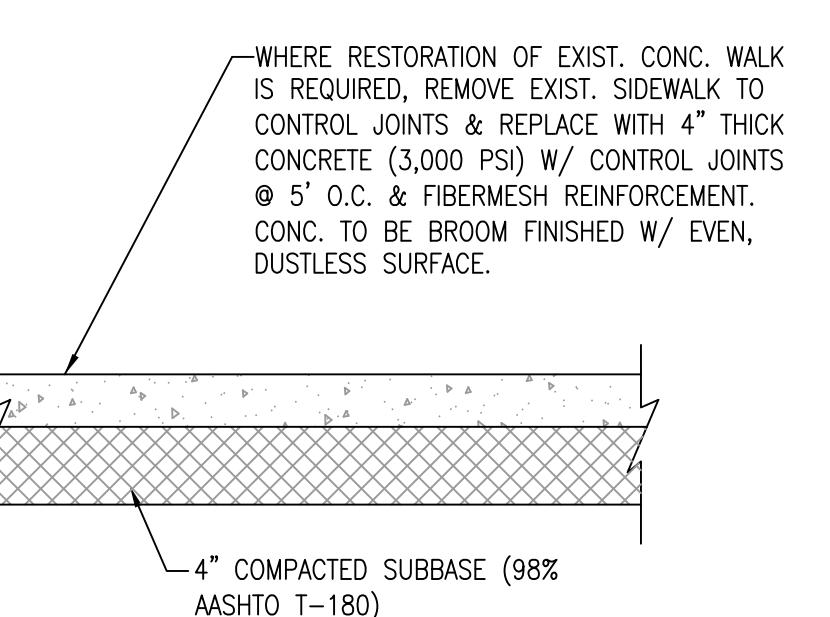


CONCRETE CURB (TYPE 'D')
SCALE: NONE



NOTE: REFER TO PAVEMENT
SECTIONS FOR MATERIAL
THICKNESS

PAVEMENT MATCHING DETAIL
N.T.S.



CONCRETE SIDEWALK
RESTORATION DETAIL
N.T.S.

PAVEMENT SECTION REQUIREMENTS			
TYPE	WEARING SURFACE	BASE	SUB-GRADE
CONCRETE PAVEMENT (ON-SITE)	6" THICK (3,000 PSI) WITH JOINTING PER ACI 330. JOINTING PLAN TO BE SUBMITTED PRIOR TO POURING CONCRETE	N/A	12" THICK, COMPAKTED TO 98% MAXIMUM DRY DENSITY A.A.S.H.T.O. T-180 (LBR 30)
STRUCTURAL NO.	6" x 0.5	+ 0	+ 12" x 0.06 = 3.72
ALTERNATE PAVEMENT (ON-SITE)	1.5" THICK S-III A.C.S.C. (2-LIFTS)	8" THICK LIMEROCK BASE (LBR 100) COMPACTED TO 98% AASHTO T-180 DENSITY & PLACED IN 4" MAX. LIFTS.	12" THICK, COMPAKTED TO 98% MAXIMUM DRY DENSITY A.A.S.H.T.O. T-180
STRUCTURAL NO.	1.5" x 0.44	+ 8" x 0.18	+ 12" x 0 = 2.10

PAVING, GRADING, & DRAINAGE DETAILS
NUVO MARGATE SELF STORAGE
COMMERCIAL/ SELF STORAGE
MARGATE, FLORIDA

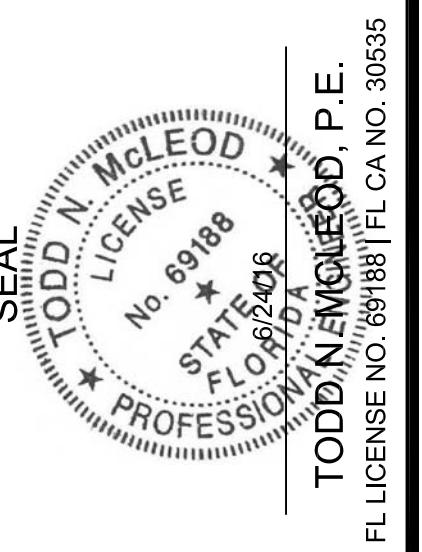
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04
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TODD N. MCLEOD, P.E.

PROJECT #16-010

DRAWING #:

FIELD:

DRAWN: P. Saffold

DESIGNED: TNM

APPROVED: TNM

PROJECT #16-010

DRAWING #:

FIELD:

DRAWN: P. Saffold

DESIGNED: TNM

APPROVED: TNM

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