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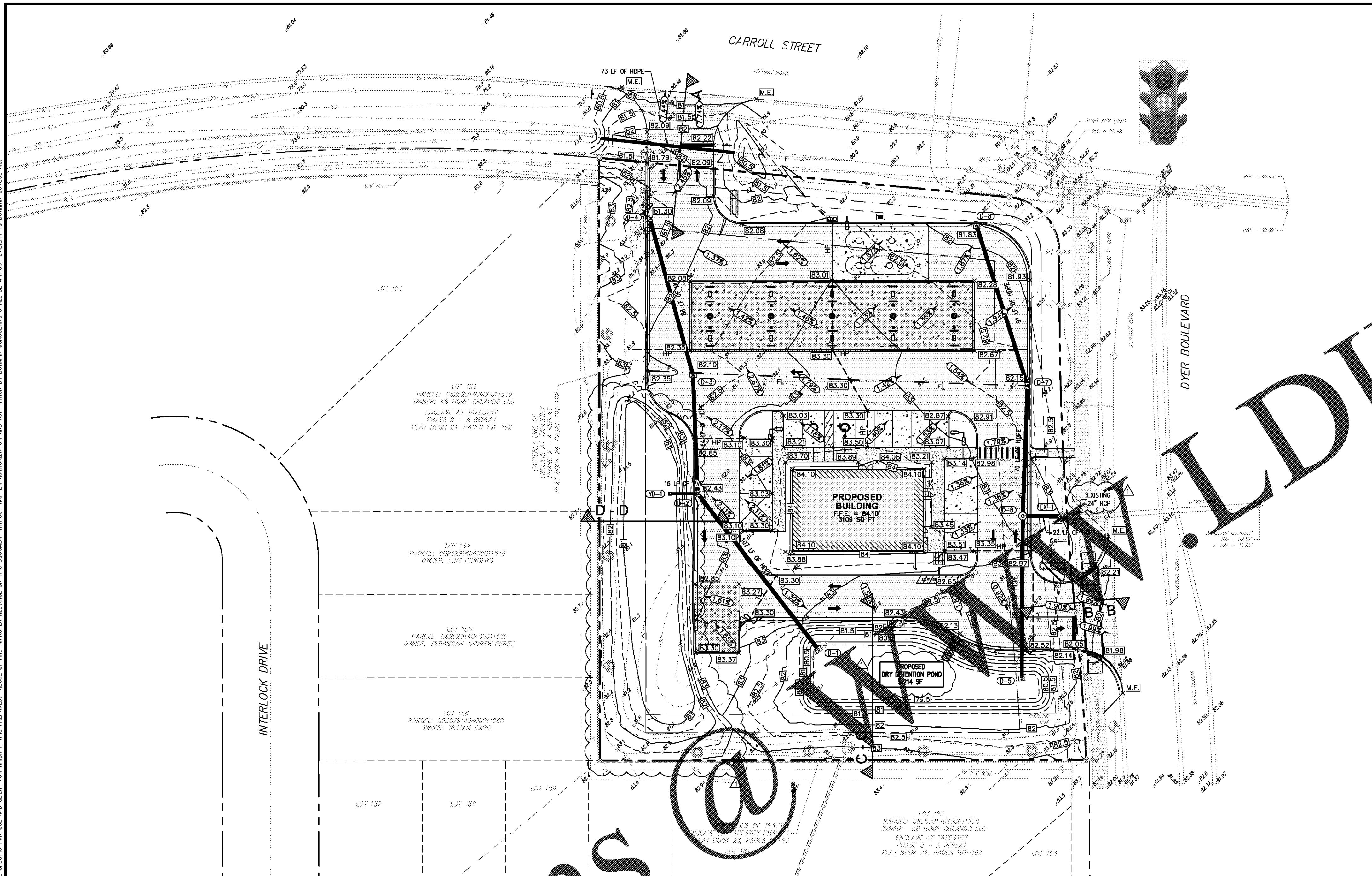
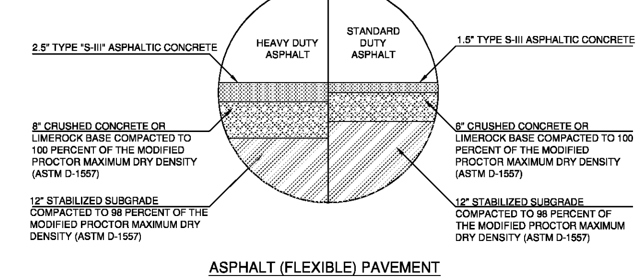
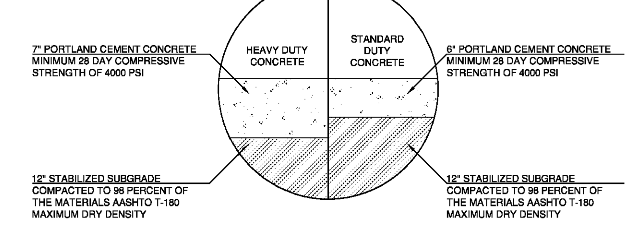


NOTES:

1. THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE BASED UPON THE FOLLOWING OSCEOLA COUNTY BENCHMARKS:
   "OC-1196": 3" ALUMINUM DISC IN THE NORTH EAST CORNER OF A DRAINAGE CATCH BASIN, HAVING AN ELEVATION OF 87.45 FEET (NAVD 88).
   "OC-1189": 3" ALUMINUM DISC IN TOP OF CURB ISLAND NEAR ENTRANCE TO TROPICAL ISLE APARTMENTS. HAVING AN ELEVATION OF 81.32 FEET (NAVD 88).
2. SAWCUT AND REPAIR EXISTING ASPHALT AT ALL DRIVEWAY CONNECTIONS.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES (ABOVE AND BELOW GROUND) AS SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE LOCATED BASED ON EITHER VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS, AND/OR FROM UTILITY OWNERS. THE OWNER DOES NOT GUARANTEE THAT EXISTING UTILITY LOCATIONS ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL APPROPRIATE UTILITY COMPANIES AND THE UTILITIES PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
4. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
5. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILTS AND DEBRIS.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
7. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
8. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
9. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINES IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTIONS ACTIVITIES.
10. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.
11. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL HEALTHY STAND OF GRASS IS OBTAINED.
12. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
13. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
14. CONTRACTOR TO PROVIDE AS-BUILTS OF ALL IMPROVEMENTS TO THE SITE, PERFORMED BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA. AS-BUILTS TO INCLUDE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, PIPES, FITTINGS, STRUCTURES, AND OTHER APPURTENANCES. ELEVATIONS OF PIPES AT CROSSING POINTS MUST BE SUFFICIENT TO IDENTIFY MINIMUM SEPARATION OF UTILITIES AS DEFINED BY F.A.C. RULE 62-555.314. IN ADDITION TO THE AFOREMENTIONED CRITERIA AS-BUILTS MUST MEET ALL LOCAL AND JURISDICTIONAL REQUIREMENTS FOR CERTIFICATION OF CONSTRUCTION.
15. ALL PROPOSED SPOT ELEVATIONS ARE PAVEMENT GRADES, UNLESS OTHERWISE NOTED.
16. WHEN ANY ROOTS OF EXISTING TREES ARE ENCOUNTERED DURING LAND CLEARING AND/OR GRADING OF THE SITE, THE ROOTS MUST BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE DAMAGE TO EXISTING TREE ROOT SYSTEMS.
17. WHEN ANY ROOTS OF EXISTING TREES ARE ENCOUNTERED DURING LAND CLEARING AND/OR GRADING OF THE SITE, THE ROOTS MUST BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.
18. DRIVEWAYS TO BE CONSTRUCTED IN CONFORMANCE WITH THE FDOT INDEX 515 SPECIFICATIONS.
19. SIDEWALK FOR CARROLL STREET WILL BE CONSTRUCTED WITH CARROLL STREET SITE IMPROVEMENTS.



ASPHALT (FLEXIBLE) PAVEMENT
SCALE: NONE



CONCRETE (RIGID) PAVEMENT
SCALE: NONE

LEGEND - EXISTING

ALTA	AMERICAN LAND TITLE ASSOCIATION
ACSM	AMERICAN CONCRESS ON SURVEYING & MAPPING
NSPS	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
±	MORE OR LESS
EL.	ELEVATION
LB	LICENSED BUSINESS
NO.	NUMBER
LS	LAND SURVEYOR
I.D.	IDENTIFICATION
CONST	CONSTRUCTION
℄	CENTERLINE
(C)	CALCULATED MEASUREMENT
(M)	FIELD MEASUREMENT
(P)	PLAT MEASUREMENT
C.D.	CHORD LENGTH
C.B.	CHORD BEARING
POC	POINT ON CURVE
POL	POINT ON LINE
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PI	POINT OF INTERSECTION
P.O.C.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE
NAVD	NORTH AMERICAN VERTICAL DATUM
NGVD	NATIONAL GEODETIC VERTICAL DATUM
PB	PLAT BOOK
ORB	OFFICIAL RECORDS BOOK
PG(S)	PAGE(S)
R/W	RIGHT OF WAY
ESMT	EASEMENT
SEC	SECTION
FND	FOUND
REC	RECOVERED
CCR	CERTIFIED CORNER RECORD
RLS	REGISTERED LAND SURVEYOR

- FOUND CONCRETE MONUMENT AS NOTED
- FOUND NAIL AS NOTED
- FOUND NAIL & DISK AS NOTED
- FOUND IRON ROD & CAP AS NOTED
- FOUND IRON PIPE AS NOTED
- FOUND IRON ROD AS NOTED
- SET NAIL & DISK (LB 8011)
- SET 5/8" IRON ROD & CAP (LB 8011)
- CONTROL/BENCHMARK AS DESCRIBED
- STORM MANHOLE
- CURB INLET GRATE
- CATCH BASIN
- SANITARY MANHOLE
- SANITARY CLEANOUT
- SEWER VALVE
- TELEPHONE MANHOLE
- MONITORING WELL
- IRRIGATION CONTROL VALVE
- WATER METER
- WATER VALVE
- RECLAIM WATER VALVE
- FIRE HYDRANT
- CONCRETE UTILITY POLE
- METAL UTILITY POLE
- WOOD UTILITY POLE
- UTILITY POLE GUY ANCHOR
- LIGHT POLE (TYPE NOTED ON SURVEY)
- SIGN
- BOLLARD
- WIRE PULLBOX
- FIBER-OPTIC CABLE MARKER
- BURIED SEWER MAIN MARKER
- BURIED WATER MAIN MARKER
- LINE BREAK
- CHAIN LINK FENCE
- —X— WOOD FENCE
- —OHU— OVERHEAD UTILITY LINE
- UNDERGROUND SANITARY SEWER
- UNDERGROUND STORM SEWER
- —E— UNDERGROUND ELECTRIC
- —BFOC— UNDERGROUND FIBER OPTIC
- —G— UNDERGROUND GAS
- —BFOC (TRAFFIC)— UNDERGROUND TRAFFIC SIGNAL
- —W— UNDERGROUND WATER
- ------- 6 ------- EXISTING CONTOUR
- x 6.42 SPOT ELEVATION (HARD SURFACE)
- x 6.4 SPOT ELEVATION (GROUND)
- CONCRETE AREA
- 4" ELM

LEGEND - PROPOSED

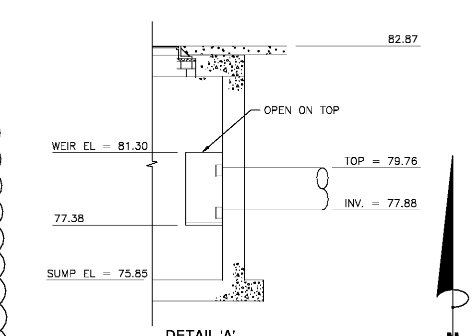
- PROPERTY LINE
- PROPOSED CURB AND GUTTER
- EXISTING GRADE ELEVATION
- 26.86 PROPOSED GRADE ELEVATION
- M.E. MATCH EXISTING GRADE
- STORM CATCH BASIN
- STORM MANHOLE
- 10 PROPOSED CONTOURS
- 0.8% PROPOSED SLOPE
- PROPOSED STORM PIPE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY CONCRETE PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- HP HIGH POINT
- FL FLOW LINE

SEE SHEET C4.0 FOR STORM DRAIN PROFILES AND CROSS SECTIONS.

ALL SITE PREPARATION TO BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY UNIVERSAL ENGINEERING SERVICES DATED MAY 9, 2017 AS PROJECT NO. 0130.1700143.0000, REPORT NO. 1449306. CONTRACTOR TO CONFIRM THIS IS THE LATEST REPORT AND THAT NO ADDENDUMS WERE ISSUED PRIOR TO CONSTRUCTION.

STORM CHART

#	STRUCTURE TYPE	TOP ELEV.	PIPE INVERTS	PIPE INFORMATION
D-1	TYPE 'C' INLET FDOT INDEX 232 (BUBBLE-UP)	RIM = 79.50 SUMP = 75.00	NW = 75.50	D1-D2 = 107 LF, 15" HDPE
D-2	TYPE 'C' INLET FDOT INDEX 232	RIM = 82.40 SUMP = 76.57	N = 78.07 SE = 77.07 W = 78.07	D2-D3 = 64 LF, 15" HDPE D1-D2 = 107 LF, 15" HDPE YD1-D2 = 15 LF, 12" PVC
D-3	TYPE 'C' INLET FDOT INDEX 232	RIM = 82.10 SUMP = 77.57	S = 78.07 N = 78.07	D2-D3 = 64 LF, 15" HDPE D3-D4 = 88 LF, 15" HDPE
D-4	TYPE 'C' INLET FDOT INDEX 232	RIM = 81.32 SUMP = 77.57	S = 78.07	D3-D4 = 88 LF, 15" HDPE
D-5	TYPE 'C' INLET FDOT INDEX 232	RIM = 80.08 SUMP = 76.50	N = 77.00	D5-D6 = 88 LF, 15" HDPE
D-6	4' ø J ALT A FDOT INDEX 200 W/ WEIR **	RIM = 82.87 SUMP = 77.38	S = 77.88 N = 77.88 E = 77.88	D5-D6 = 88 LF, 15" HDPE D6-D7 = 70 LF, 15" HDPE D6-EX1 = 22 LF, 18" HDPE
D-7	TYPE 'C' INLET FDOT INDEX 232	RIM = 82.15 SUMP = 78.08	N = 78.58 S = 78.58	D7-D8 = 91 LF, 15" HDPE D6-D7 = 70 LF, 15" HDPE
D-8	TYPE 'C' INLET FDOT INDEX 232	RIM = 81.91 SUMP = 78.33	S = 78.83	D7-D8 = 91 LF, 15" HDPE
EX-1	EXISTING MANHOLE	RIM = 82.01 SUMP = 77.27	W = 77.80 E = 77.77	D6-EX1 = 22 LF, 18" HDPE EXIST. = 18 LF, 24" RCP
YD-1	12" YARD DRAIN	RIM = 81.00 SUMP = 77.50	E = 78.00	YD1-D2 = 15 LF, 12" PVC



DETAIL 'A'

(D-11) MANHOLE WEIR DETAIL
SCALE: NONE

N

GRAPHIC SCALE
0 15' 30' 60'
(IN FEET)
SCALE: 1" = 30'

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PAVING GRADING & DRAINAGE PLAN
KISSIMMEE 7-ELEVEN #38227
SW C/O CARROLL ST. AND DYER BLVD.
KISSIMMEE, FL 34741

OSCEOLA COUNTY FLORIDA

ANDREW J. PETERSEN LICENSE No. 75493 STATE OF FLORIDA PROFESSIONAL ENGINEER

ANDREW J. PETERSEN
LICENSE NO. 75493

PLAN STATUS	
12/19/17	AGENCY COMMENTS
DATE	DESCRIPTION

AW DESIGN	EC DRAWN	AJP CHKD

SCALE 1" = 30'
JOB No. 010063-02-087
DATE 01/03/2018
FILE 010063-02-D-CP-087-06-C2.0-PGD.DWG
SHEET C2.0

BID SET - 1/03/18

CAD file name: P:\010063 - 7-Eleven\010063-02-087 (ENG) - Kissimmee 7-Eleven (Dyer Blvd & Carroll St)\Engineering\Engineering Plans\010063-02-D-CP-087-06-C2.0-PGD.dwg 1/3/2018