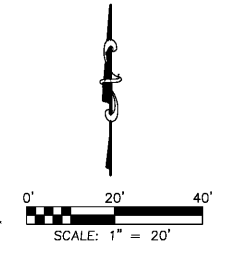


LEGEND / ABBREVIATIONS

EXISTING	PROPOSED	DESCRIPTION
---	---	PROPOSED CURB
---	---	SITE BOUNDARY LINE
---	---	CENTER LINE OF ROAD
---	---	RIGHT-OF-WAY
---	---	CONTOURS
---	---	STORM DRAIN PIPES
---	---	SAWCUT LINE
---	---	RIGHT-OF-WAY
---	---	TYPICAL
---	---	SIDEWALK
---	---	FEET
---	---	STORM DRAIN ELEVATION
---	---	EXISTING
---	---	INVERT ELEVATION
---	---	MATCH EXISTING GRADE
---	---	FINISH FLOOR ELEVATION
---	---	PAVEMENT
---	---	GRADE ELEVATION
---	---	SLOPE
---	---	DRAINAGE INLET
---	---	SURFACE STORMWATER FLOW DIRECTION
---	---	STORM SEWER STRUCTURE NUMBER
---	---	CONCRETE PAVEMENT



DRAINAGE STRUCTURES

- DS-1 FDOT TYPE "C" INLET W/ TRAFFIC RATED GRATE
GRATE ELEVATION = 50.50
INVERT ELEVATION (W) = 47.25
- DS-2 FDOT TYPE "C" INLET W/ TRAFFIC RATED GRATE
GRATE ELEVATION = 51.00
INVERT ELEVATION (E) = 47.11
INVERT ELEVATION (N) = 47.11
- DS-3 FDOT TYPE "C" INLET
GRATE ELEVATION = 50.80
INVERT ELEVATION (S) = 47.03
INVERT ELEVATION (N) = 47.03
- DS-4 MITERED END SECTION, SEE DETAIL SHEET
INVERT ELEVATION = 47.00
- DS-5 MITERED END SECTION, SEE DETAIL SHEET
INVERT ELEVATION = 47.00
- DS-6 MITERED END SECTION, SEE DETAIL SHEET
INVERT ELEVATION = 48.0
- DS-7 MITERED END SECTION, SEE DETAIL SHEET
INVERT ELEVATION = 47.00
- DS-8 FDOT TYPE "C" INLET (CONTROL STRUCTURE, SEE DETAILS)
GRATE ELEVATION = 50.70
SLOT (5'8") INVERT ELEVATION = 49.25
INVERT ELEVATION (E) = 45.00
- DS-9 12" YARD DRAIN ASSEMBLY BY ZURN OR APPROVED EQUAL
GRATE ELEVATION = 51.10
INVERT ELEVATION (E) = 47.83
- DS-10 12" YARD DRAIN ASSEMBLY BY ZURN OR APPROVED EQUAL
GRATE ELEVATION = 50.80
INVERT ELEVATION (E) = 47.87
- DS-11 12" YARD DRAIN ASSEMBLY BY ZURN OR APPROVED EQUAL
GRATE ELEVATION = 51.00
INVERT ELEVATION (E) = 47.80

DRAINAGE PIPE DATA

DS-1 TO DS-2	145 LF OF 15" HDPE @ 0.1%
DS-2 TO DS-3	86 LF OF 15" HDPE @ 0.1%
DS-3 TO DS-4	32 LF OF 15" HDPE @ 0.1%
DS-6 TO DS-7	87 LF OF 15" HDPE @ 1.15%
DS-8 TO EXISTING MH	27 LF OF 4" HDPE @ 0.5%
DS-9 TO DS-10	66 LF OF 12" HDPE @ 0.24%
DS-10 TO DS-11	26 LF OF 12" HDPE @ 0.1%
DS-11 TO DS-5	41 LF OF 12" HDPE @ 0.24%

CONSTRUCTION NOTES

ALL ELEVATIONS ARE BASE ON NAVD 1988

DRIVEWAY CONNECTIONS ELEVATIONS HAVE BEEN PROJECTED BASED ON EXISTING FIELD CONDITIONS. VERIFY AND MAINTAIN EXISTING GUTTER FLOWLINES AND MATCH EXISTING EDGE OF PAVEMENTS DURING INSTALLATION OF DRIVEWAY CONNECTIONS.

CONTRACTOR SHALL PROVIDE TEES, BENDS AND CONNECTING MATERIALS PROVIDING A ROOF DRAIN CONNECTION TO 12" ROOF HEADER PIPE, INCLUDING CLEAN OUTS, AS SHOWN ON THIS PLAN. CONTRACTOR TO LOCATE BUILDING ROOF DOWNSPOUT LOCATIONS PRIOR TO CONSTRUCTING THE 12" PVC HEADER, IF BUILDING PLAN LOCATIONS ARE DIFFERENT THAN PLAN NOTIFY ENGINEER PRIOR TO INSTALLATION. MAINTAIN MINIMUM 12" COVER OVER PVC HEADER.

CONTRACTOR NOTES

- BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER FEATURES. THE CONTRACTOR MAY CONSULT THE UTILITIES OWNER'S RECORD DRAWINGS, BUT THE UTILITY OWNER AND THE ENGINEER DO NOT GUARANTEE, BY IMPLICATION OR OTHERWISE, THE ACCURACY OF THE UTILITY OWNER'S RECORD DRAWINGS. THE SITE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR ANY MODIFICATION REQUIRED, OTHER THAN SHOWN ON PLANS.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITY AND STORM DRAINAGE FROM BUILDING. IF ANY SUBSTANTIAL DEVIATIONS FROM THIS PLAN, NOTIFY ENGINEER AND OBTAIN WRITTEN INSTRUCTIONS PRIOR TO START OF CONSTRUCTION.

NO.	REVISIONS	DATE	APPR.
1			
2			
3			
4			
5			

PAVING, GRADING AND DRAINAGE PLAN
 7 ELEVEN @ VOLUSIA AVE. AND RHODE ISLAND AVE.
 ORANGE CITY, FLORIDA
 RKM DEVELOPMENT

Engineering Consultants
 PO Box 450000 • Kissimmee, Florida 34745
 Phone: (407) 738-1979 • Fax: (407) 348-7552

THESE PLANS MAY NOT BE COPIED OR MODIFIED WITHOUT WRITTEN PERMISSION FROM CADIZZ ENGINEERING

SEAL

NOT VALID UNLESS SIGNED & SEALED BY A REGISTERED ENGINEER CADIZZ, LLC CERTIFICATION OF AUTHORIZATION # 28369

SHEET NUMBER

