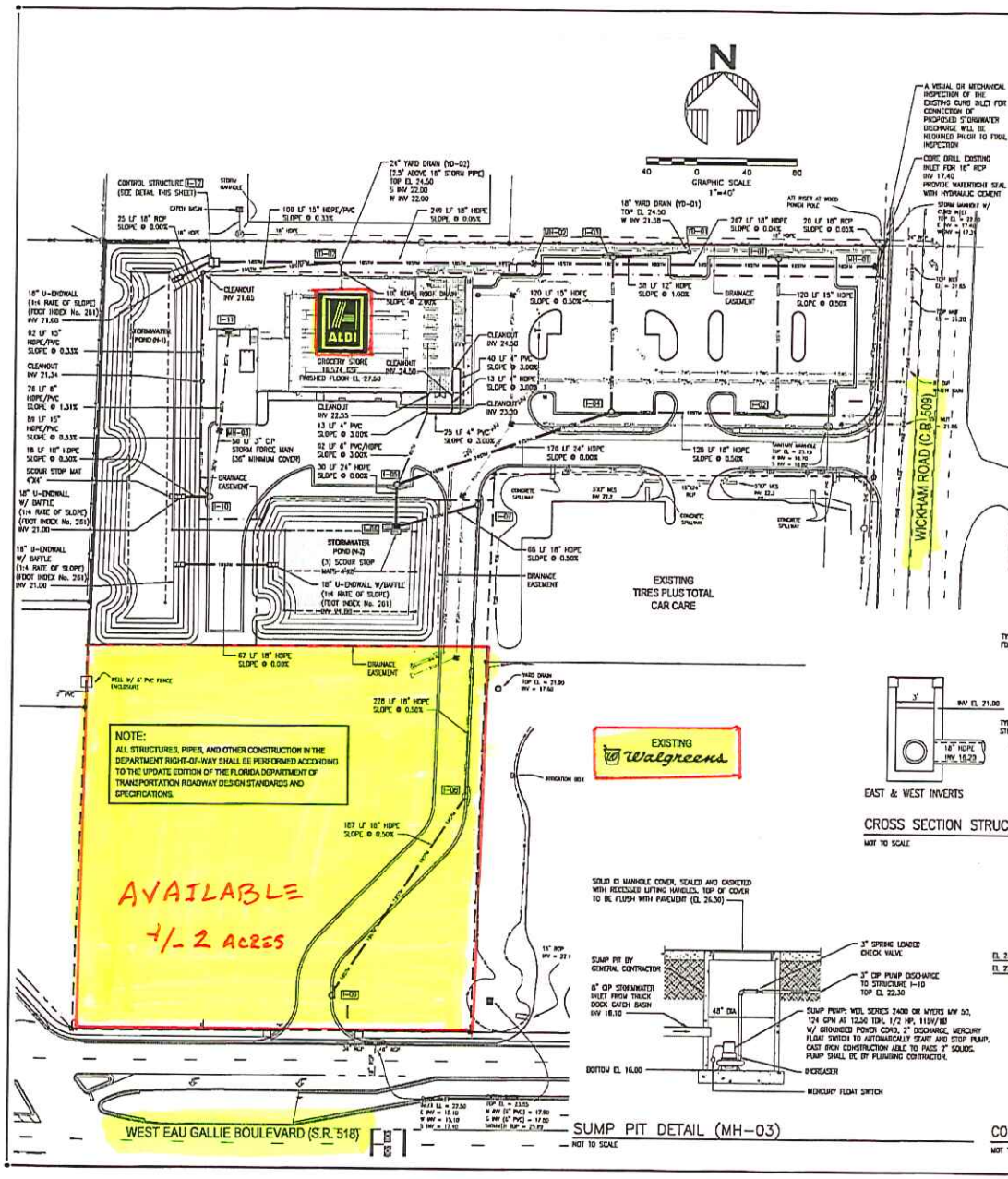


NOTE:
ALL STRUCTURES, PIPES, AND OTHER CONSTRUCTION IN THE DEPARTMENT RIGHT-OF-WAY SHALL BE PERFORMED ACCORDING TO THE UPDATE EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN STANDARDS AND SPECIFICATIONS.

GENERAL DRAINAGE NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO DRAINAGE SYSTEM AND SHALL RESTORE ANY DAMAGED STRUCTURES.
2. ALL PIPE FROM THE BUILDING DRAINS SHALL BE SMOOTH INTERIOR CORRUGATED EXTERIOR (SICE) HDPE OR PVC SCH 40.
3. ALL STORM PIPE SHALL BE CONSTRUCTED OF REINFORCED CONCRETE CLASS III WITH CONTINUO O-RING GASKET JOINT OR HDPE (SICE) PIPE WITH CERTIFIED WATERTIGHT JOINTS BY THE MANUFACTURER. RCP JOINTS SHALL BE WRAPPED WHERE APPLICABLE PER FDOT SPECIFICATIONS. ACCEPTABLE HDPE PIPE SHALL BE HANCOR SUR-LOK WT, ADS SERIES 35, ADS N-12 WITH WT JOINT OR EQUAL.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL MATERIAL AND STRUCTURES TO THE ENGINEER (UPHAM, INC.) FOR APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING.
5. CONTRACTOR TO PLACE FILTER FABRIC BETWEEN DRAINAGE STRUCTURES AND TOP'S TO PREVENT SOIL INTRUSION. THE FABRIC SHALL BE PERIODICALLY CLEANED OF SAND A DIERS FABRIC SHALL REMAIN IN PLACE UNTIL PAVING IS COMPLETE.
6. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING TREES, & ETC., WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFFSITE.
7. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST PER FDOT SPECIFICATIONS.
8. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY PER FDOT STANDARD SPECIFICATIONS AND MANUFACTURES SPECIFICATIONS RESPECTIVELY.
9. ALL DRAINAGE STRUCTURES AND PIPES SHALL BE CLEANED OF SAND AT THE LAST STAGE OF CONSTRUCTION PRIOR TO THE FINAL INSPECTION.
10. THE HANDICAPPED PARKING SPACES AND AISLES SHALL BE CONSTRUCTED SO THAT CROSS SLOPES WILL NOT EXCEED 2% IN ANY DIRECTION, IN ACCORDANCE WITH SECTION 4.6 OF THE FACSC.
11. ALL STORM INLET GRATES SHALL BE STEEL (TRAFFIC RATED).

NOTE:
ALL IMPROVEMENTS SHALL BE STAKED NOT FOR CONSTRUCTION BY MEANS OF DIGITAL COORDINATES BY SURVEYOR UTILIZING GEODETIC TOTAL STATION. SCALING OF DRAWINGS FOR PURPOSES OF STAKING ARE AT THE SURVEYOR'S RISK.

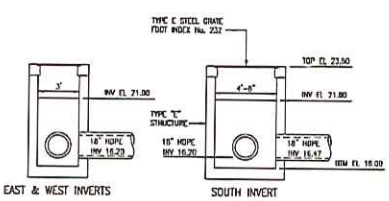
NOTE:
ALL STREET AND STORMWATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF MELBOURNE TECHNICAL SPECIFICATIONS OF STREETS, PAVING AND DRAINAGE SYSTEMS (1991)

NOTE:
ALL DRAINAGE SYSTEMS SHALL BE PRIVATELY MAINTAINED.

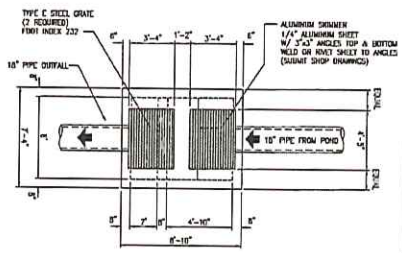
STORM STRUCTURE SCHEDULE

I.D.	SIZE	TOP	BOT	TOP	N INV	S INV	E INV	W INV
I-01	4' #	S	P	25.00 EOP	----	21.00	----	----
I-02	4' #	S	P	25.00 EOP	20.40	----	----	20.40
I-03	4' #	S	P	25.00 EOP	----	21.00	21.00	----
I-04	4' #	S	P	25.00 EOP	20.40	----	19.76	16.20
I-05	4' #	S	P	25.70 EOP	20.69	16.20	16.20	----
I-06	----	C	C	23.50	16.20	----	16.47	----
I-07	4' #	S	P	25.00 EOP	----	18.27	----	18.60
I-08	4' #	S	P	25.00 EOP	19.36	----	----	19.36
I-09	4' #	S	P	24.80 EOP	20.30	----	----	----
I-10	4' #	S	P	25.00	5" 19.80 15" 21.05	21.05	----	21.05
I-11	----	F	F	23.10	----	19.10	----	----
MH-01	4' #	□ LID	P	24.50	17.41	----	----	17.41
MH-02	4' #	□ LID	P	26.50	----	----	17.52	17.52
MH-03	4' #	□ LID	P	26.30	16.10	22.30	----	----

NOTES:
1. "EOP" DENOTES EDGE OF PAVEMENT.
2. ROUND STRUCTURE BOTTOMS ARE FDOT ALTERNATE 'A'.
3. SQUARE/RECTANGULAR STRUCTURE BOTTOMS ARE FDOT ALTERNATE 'B'.
4. 4'-0" DIA AND SMALLER AND 3'-0" SQUARE STANDARD STRUCTURE BOTTOMS ARE TYPE DESIGNATED 'P' LARGER STANDARD STRUCTURE BOTTOMS ARE DESIGNATED TYPE 'S'.
5. ALL STRUCTURES SHALL HAVE A 12"x12" WEEP HOLE AT THE BOTTOM WITH RECYCLED CRUSHED CONCRETE (No. 4 SIZE) WHICH SHALL BE WASHED AND FREE OF DELETERIOUS MATERIAL AND SHALL BE WRAPPED WITH FILTER FABRIC.

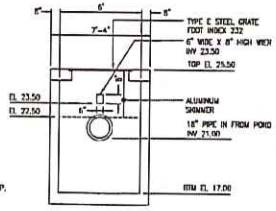


CROSS SECTION STRUCTURE I-06
NOT TO SCALE

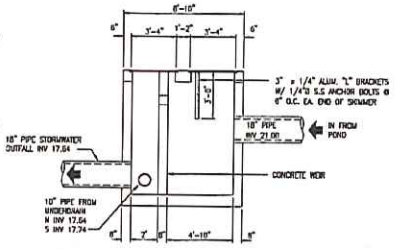


PLAN

SUMP PIT DETAIL (MH-03)
NOT TO SCALE



CROSS SECTION



LONGITUDINAL SECTION

CONTROL STRUCTURE DETAIL
NOT TO SCALE

REVISIONS

DATE	DESCRIPTION
11/13/08	REVISED PER 10/31/08 DEV. COMMENTS
12/23/08	REVISED PER 12/11/08 DEV. COMMENTS
01/14/09	REVISED PER 01/06/09 DEV. COMMENTS

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STORM PIPING PLAN

ALDI FOOD STORE No. 82
MELBOURNE, FLORIDA

PROJECT No. 6914 | DRAWN BY: DAB | CHECKED BY: HJB

ORIGINAL ISSUE DATE: SEPTEMBER 2008
PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE:
DRAWING NUMBER:
7A