

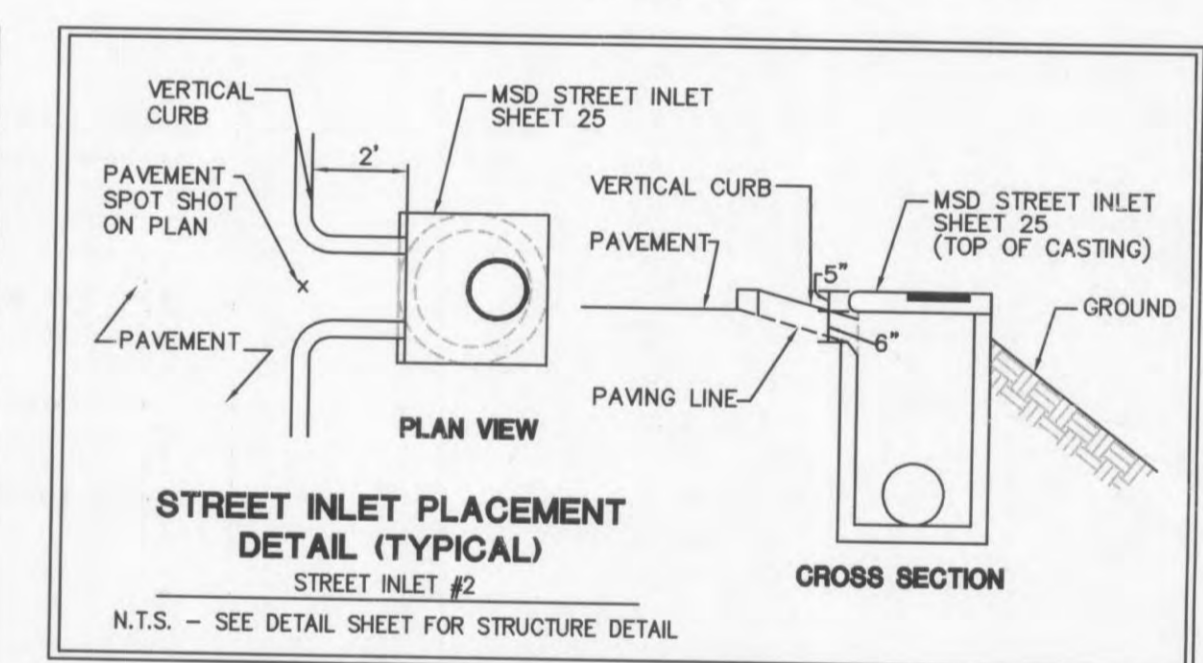
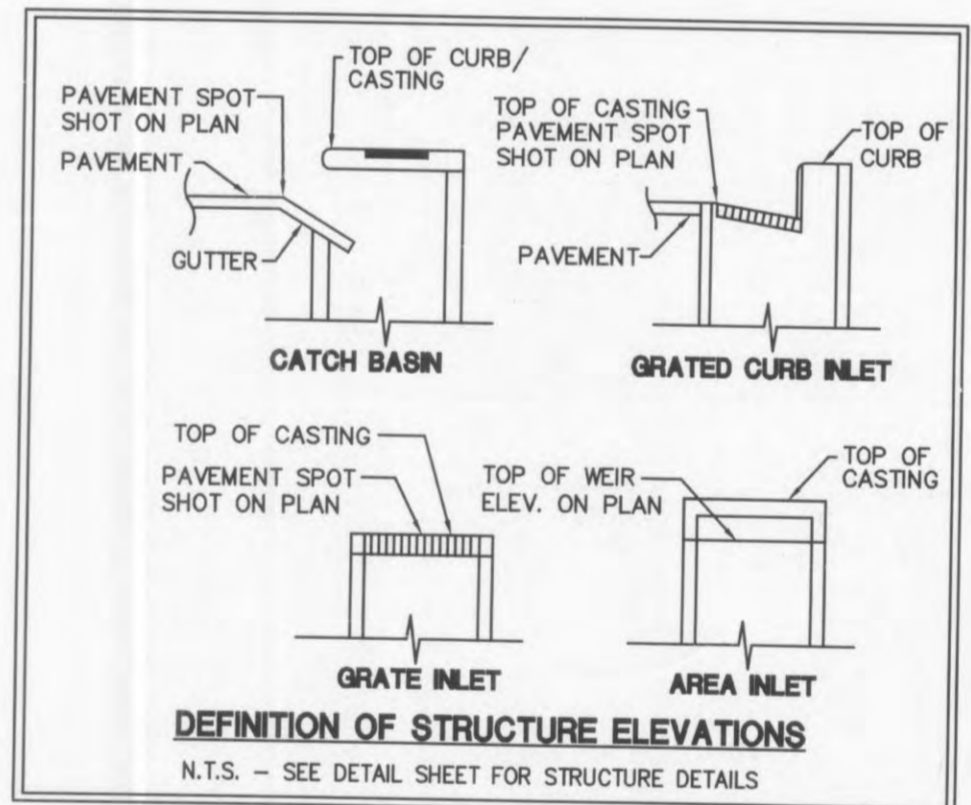
**DRAINAGE SCHEDULE**

STRUCTURE NUMBER	STRUCTURE TYPE	TOP CASTING	INVERT OUT	INVERT IN	PIPE LENGTH (FEET)	PIPE TYPE	PERCENT SLOPE
1	OUTLET	-	521.00	521.00	-	-	-
1-2	THRU WALL	-	-	-	18'	36" RCP	0.00%
2-3	SUMPED STREET INLET (MSD #25)	537.35	521.00**	521.00	-	-	-
2-3	INLET (MSD #25)	-	-	-	107'	36" RCP	0.00%
3	GRATE	539.65	521.00	521.00	-	-	-
3-4	INLET	-	-	-	69'	36" RCP	0.00%
4	DOGHOUSE	540.70	521.00	522.45*	-	-	-
4	JUNCTION BOX	-	-	-	-	-	-
5	DOGHOUSE	541.23	532.56* (10" TRUCK DOCK)	-	-	-	-
5	JUNCTION BOX	-	-	-	-	-	-
6	SUMPED AREA	536.83	521.92**	522.02*	-	-	-
6	INLET (MSD #35)	-	-	-	-	-	-
7	DOGHOUSE	533.92	527.06*	527.06*	-	-	-
7-8	JUNCTION BOX	-	-	527.06 (8)	19'	24"	0.54%
8	OUTLET CONTROL	534.78	527.16	527.20	-	-	-
8-9A	STRUCTURE	-	-	-	7'	24"	0.00%
9A	UNDERGROUND	-	527.20(9A)	-	-	-	-
9B	UNDERGROUND	-	-	527.89(9B)	-	-	-
9B-10	DETENTION	-	-	-	1,020'	72" CPP	0.068%
10	SUMPED DOGHOUSE	535.84	528.13**	528.23*	-	-	-
10	INLET (MSD #25)	-	-	-	-	-	-
11	SUMPED STREET	537.00	532.85**	-	-	-	-
11	INLET (MSD #25)	-	-	-	-	-	-
12	DOGHOUSE	540.70	528.55*	534.51(13)	-	-	-
12-13	JUNCTION BOX	-	-	528.55*	49'	18"	2.01%
13	GRATE	539.60	535.50	-	-	-	-
13	INLET	-	-	-	-	-	-

**WATER QUALITY BMP SCHEDULE**

STRUCTURE NUMBER	STRUCTURE TYPE	WATER QUALITY DEVICE	TOP CASTING	INVERT OUT	INVERT IN	PIPE SIZE	SUMP INVERT
2	SUMPED STREET	SNOUT	537.35	521.00	521.00	36"	513.50
6	SUMPED AREA	SNOUT	536.83	521.92	522.02*	42"	513.17
10	SUMPED DOGHOUSE	SNOUT	535.84	528.13	528.23*	24"	523.13
11	SUMPED STREET	SNOUT	537.00	532.85	-	18"	529.10
11	INLET (MSD #25)	-	-	-	-	-	-

**NOTES:**  
 \* APPROXIMATE ELEVATION OF EXISTING IMPROVEMENTS. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES.  
 \*\* INVERT OUT IS NOT BOTTOM OF STRUCTURE. REFER TO WATER QUALITY BMP SCHEDULE FOR SUMP ELEVATION.



**\*\* NOTE \*\***  
 PIPE LENGTHS LISTED ARE BASED ON HORIZONTAL DISTANCE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND USED FOR DESIGN. CONTRACTOR TO FIELD VERIFY ACTUAL PIPE LENGTHS NEEDED FOR CONSTRUCTION.  
 CONTRACTOR IS RESPONSIBLE FOR COMPARING THE STORM SEWER AND SANITARY SEWER CHARTS WITH THE PROFILES FOR THE STORM SEWER & SANITARY SEWER LINES AND INFORMING THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEM SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION

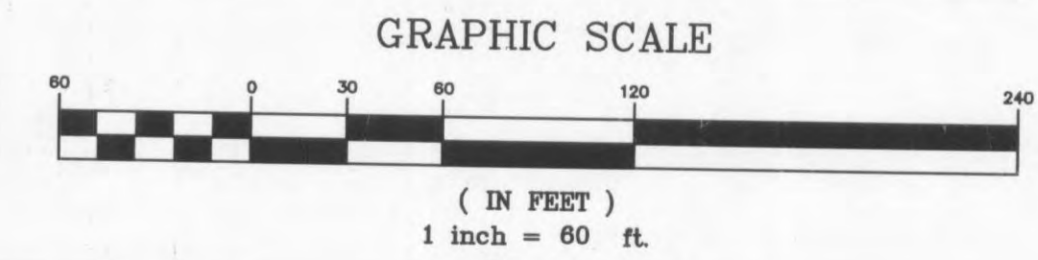
REFER TO SHEET ST-1 FOR GRANULAR FILL REQUIREMENTS FOR STORM SEWER

LIME MODIFICATION CAN NOT BE USED TO STABILIZE HIGH PLASTIC MATERIAL.

REFER TO SHEET C-2 FOR FOUNDATION SUBSURFACE PREPARATION REQUIREMENTS

PLANNING AND DEV. DEPT. FILE NO.: 00-109.02  
 DATE OF PLANNING APPROVAL: 09/06/2007

**GRADING PLAN**

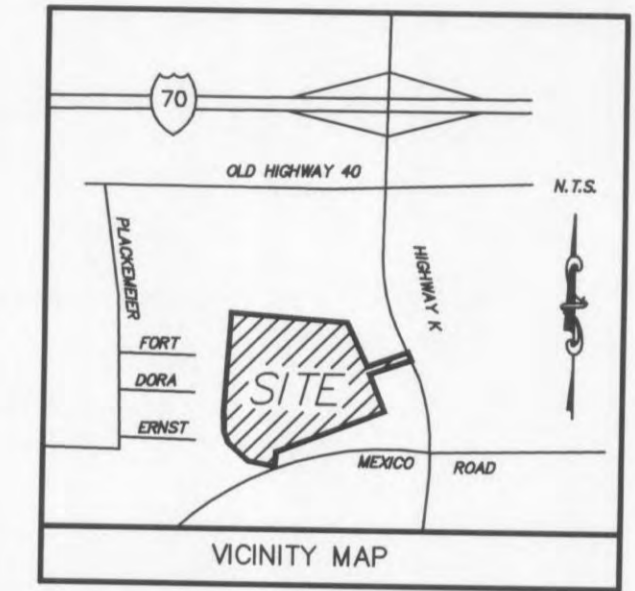


REFER TO SHEET C-N FOR SITE GRADING NOTES

**OWNER-**  
 THF O'FALLON DEVELOPMENT, L.L.C.  
 217 INNERBELT BUSINESS CENTER DR.  
 SUITE 200  
 ST. LOUIS, MISSOURI 63114  
 CONTACT: MR. DARREN HIDENHOUR  
 (314) 429-0900  
 (314) 429-0999

CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY SEALED BY A MISSOURI RLS FOR ALL NEW STORM SEWER LINES, DETENTION FACILITIES, SANITARY SEWER LINES AND WATER LINES AT LEAST 30 DAYS PRIOR TO POSSESSION.

CONTRACTOR SHALL PROVIDE LEVELING, WHERE NECESSARY, TO ACHIEVE THE PROPOSED GRADES SPECIFIED ON THE GRADING PLAN. CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID. REFER TO PAVING PLAN.



**GRADING/DRAINAGE PLAN LEGEND**

- STORM SEWER PIPING
- JUNCTION BOX/STORM MANHOLE
- DRAINAGE STRUCTURE INDICATOR
- SLOPE ARROW
- ▭ CONCRETE FLUME
- ▭ RIP-RAP APRON
- ▭ STREET INLET MSD NO. 25
- ▭ SINGLE GRATE INLET
- ▭ DOUBLE GRATE INLET
- TC = TOP OF CURB
- TP = TOP OF PAVEMENT
- TW = TOP OF WALL
- FG = FINISH GROUND
- SW = SIDEWALK
- ▭ CITY OF O'FALLON ACCESS EASEMENT

HIGH PLASTIC CLAY ARE PRESENT ON SITE AND WILL NOT BE ALLOWED WITHIN THE UPPER 2 FEET OF THE FLOOR SLABS, PERIMETER FOOTING, OR BACKFILL OF RETAINING WALL.

UNDERCUTTING AND RECOMPACTION OR REPLACEMENT OF EXISTING MATERIAL MAY BE NECESSARY FOR INSTALLATION OF RETAINING WALLS.

**EXISTING CONDITIONS LEGEND**

- G.I. Grated Inlet
- C.I. Curb Inlet
- D.C.I. Dual Curb Inlet
- E.M. Electric Meter
- FE. Flared End
- F.H. Fire Hydrant
- FL. Flowline
- GM. Gas Meter
- GV. Gas Valve
- L.S. Light Standard
- M.H. Manhole
- PVC. Poly Vinyl Chloride
- RCP. Reinforced Concrete Pipe
- VCP. Vitrified Clay Pipe
- T. Top
- U.P. Utility Pole
- BM. Bench Mark
- W.M. Water Meter
- W.V. Water Valve
- X- Fence Line
- T- Telephone Line
- G- Gas Line
- OE- Overhead Electric
- SE- Sanitary Sewers
- UE- Underground Electric
- W- Water Line

**Wolverton & Associates**  
 Consulting Engineers + Land Surveyors  
 6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097  
 Phone: (770) 447-8999 • Fax: (770) 447-9070  
 www.wolverton-assoc.com



PROPOSED EXPANSION TO WAL-MART #2616-04  
 O'FALLON POINTE CENTRE  
 O'FALLON, MISSOURI 63366  
 BY: WAL-MART REAL ESTATE BUSINESS TRUST  
 BENTONVILLE, AR.

REVISIONS	BY
1 ADDENDUM 6 6/18/08	CER

DRAWN BY	CER
CHECKED BY	DMW
DATE	05/30/2008
SCALE	1" = 60'
JOB No.	08-107
SHEET NUMBER	

**C-2B**

EDDS 6114