ALERT TO CONTRACTOR

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.

DEWATERING NOTE:

WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS. REFER TO MASTER SITE SPECIFICATIONS.

REFER TO SHEET T-2 FOR GRADING,UTILITY NOTES & LEGEND

THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY

REFER TO DRAINAGE REPORT /GEOTECHNICAL REPORT FOR SOIL BORING LOCATIONS

WALMART
STORE #2184-07
C-150-GL-NO

PROTOTYPICAL ENTRY, NON-PROTO GARDEN RIGHT, NO TLE, FLIPPED DOCK
GROSS LEASABLE S.F. /EXCLUDING GARDEN CENTER) = 149,760
SEASONAL GARDEN CENTER S.F. (NOT INCLUDED IN GROSS SQUARE FOOTAGE) = 3,640
GROCERY FRONT CANOPY S.F. (NOT INCLUDED IN GROSS SQUARE FOOTAGE) = 2,961
GM FRONT CANOPY S.F. (NOT INCLUDED IN GROSS SQUARE FOOTAGE) = 1,449

FF=53.00

580 TOTAL SPACES

FALL RIVER AVENUE
(A.K.A. NEW BOSTON ROAD / ROUTE U.S. 6)
(PUBLIC - 100' WIDTH) TWO WAY TRAFFIC

OUTLOT 1
AREA: 1.08± ACRES
CONTRACTOR TO LIMIT CONSTRUCTION TRAFFIC OVER INFILTRATION AREAS (TYP.)

OUTLOT 2
AREA: 0.88± ACRES
CONTRACTOR TO LIMIT CONSTRUCTION TRAFFIC OVER INFILTRATION AREAS (TYP.)

CONTRACTOR TO VERIFY GRADES DO NOT EXCEED 2% IN ANY DIRECTION WITHIN ACCESSIBLE PARKING AND WALKWAYS

CONTRACTOR TO LIMIT CONSTRUCTION TRAFFIC OVER INFILTRATION AREAS (TYP.)

4' WIDE TRENCH OF 1-1/2" CRUSHED STONE, 18" DEEP

50' VERNAL POOL BUFFER

25' VERNAL POOL "NO DISTURBANCE BUFFER"

100' FROM MEAN ANNUAL BOUNDARY OF VERNAL POOL DEPRESSION

100' LSF / ISOLATED WETLAND BUFFER

50' LSF / ISOLATED WETLAND "NO DISTURBANCE BUFFER"

25' LSF / ISOLATED WETLAND "NO DISTURBANCE BUFFER"

50' LSF / ISOLATED WETLAND BUFFER

100' LSF / ISOLATED WETLAND BUFFER

EMERGENCY RIP-RAP OVERFLOW SPILLWAY

6" VESTIBULE DRAINS (TYP.)

SEASONAL GARDEN CENTER S.F.= 3,640

INNR GARDEN

WWTP 50' X 68' (REFER TO ARCH. PLANS)

BASIN #1 4' DIA. PIPES SEE DETAIL

BASIN #2

BASIN #3

BASIN #4

BASIN #5

BASIN #6

BASIN #7

BASIN #8

BASIN #9

BASIN #10

BASIN #11

BASIN #12

BASIN #13

BASIN #14

BASIN #15

BASIN #16

BASIN #17

BASIN #18

BASIN #19

BASIN #20

BASIN #21

BASIN #22

BASIN #23

BASIN #24

BASIN #25

BASIN #26

DRAINAGE TABLE-STORM 2

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
DMH-A1	MANHOLE	50.80	48.14(CB1) 47.60(UNG-5C)	48.14(DMH-F1)	0.50%	12"
UNG-5C	MANHOLE	51.55		49.43(DMH-A1)	2.93%	8"
DMH F	MANHOLE	51.50	46.62(DMH-F1) 46.87(DMH E)	46.62(SWQ2)	0.95%	15"
SWQ2	SWQ UNIT	51.30	46.54(DMH F)	46.54(FES2)	1.00%	15"
DMH-F1	MANHOLE	50.80	47.24(DMH-A1) 47.24(CB6)	46.99(DMH F)	0.51%	12"
CB1	CATCH BASIN	50.65		48.22(DMH-A1)	1.08%	12"
DMH E	MANHOLE	50.85	47.47(CB5) 47.22(CB4)	47.22(DMH F)	0.70%	12"
CB5	CATCH BASIN	50.65		47.54(DMH E)	0.98%	12"
CB4	CATCH BASIN	50.65		47.74(DMH E)	0.50%	12"
CB6	CATCH BASIN	50.65		47.35(DMH-F1)	1.03%	12"
FES2	FLARED END	0.00	46.00(SWQ2)			

DRAINAGE TABLE-STORM 3

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
CB7A	CATCH BASIN	50.50		45.72(CB7)	1.01%	15"
CB9	CATCH BASIN	49.25		44.03(DMH H)	1.96%	12"
DMH G	MANHOLE	49.00	45.08(CB7) 45.08(CB8)	45.08(DMH H)	2.00%	12"
DMH H	MANHOLE	49.00	43.87(DMH G) 43.87(CB9)	43.87(SWQ3)	2.00%	12"
CB7	CATCH BASIN	48.75	45.47(CB7A)	45.47(DMH G)	2.02%	12"
CB8	CATCH BASIN	48.75		45.48(DMH G)	1.99%	12"
SWQ3	SWQ UNIT	46.10	40.81(DMH H) 40.81(DMH I)	40.56(UNG-3)	1.01%	15"
CB11	CATCH BASIN	45.85		41.02(DMH I)	1.01%	12"
DMH I	MANHOLE	45.80	40.94(CB10) 40.94(CB11)	40.94(SWQ3)	1.01%	12"
CB10	CATCH BASIN	45.65		41.45(DMH I)	0.99%	12"
UNG-3	MANHOLE	45.90	40.50(SWQ3)			

DRAINAGE TABLE-STORM 4

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
RD1	ROOF DRAIN	53.00		47.74(SIPH A)	0.90%	18"
RD2	ROOF DRAIN	53.00		45.22(SIPH B)	0.95%	18"
CO1	CLEANOUT	52.80		47.63(DMH J)	1.00%	12"
SIPH B	MANHOLE	52.80	45.12(SIPH A) 45.12(RD2)	44.03(DMH J)	0.49%	24"
SIPH A	MANHOLE	52.35	47.65(RD1)	47.65(SIPH B)	1.00%	18"
DMH J	MANHOLE	52.00	43.75(SIPH B) 43.85(CO1)	43.75(DMH K)	0.50%	24"
DMH K	MANHOLE	50.50	43.18(DMH J) 47.09(CB15)	43.18(DMH L1)	0.49%	24"
CB15	CATCH BASIN	50.20		47.20(DMH K)	0.99%	12"
DMH L	MANHOLE	49.10	42.43(DMH L1)	42.43(DMH M)	0.53%	24"
DMH M	MANHOLE	47.29	41.66(DMH L) 44.33(FES 10)	41.66(FES5)	0.54%	2-1"
FES 10	FLARED END	0.00		45.83(DMH M)	2.23%	8"
UNG-2	MANHOLE	51.25		47.90(DMH L1)	4.02%	15"
DMH L1	MANHOLE	50.50	42.91(DMH K) 45.34(UNG-2)	42.91(DMH L)	0.50%	24"
FES5	FLARED END	0.00	41.30(DMH M)			

DRAINAGE TABLE-STORM 6

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
SWQ4	SWQ UNIT	51.85	48.10(CB13) 48.10(CB14)	48.10(FES4)	1.01%	12"
CB13	CATCH BASIN	50.90		48.60(SWQ4)	0.50%	12"
CB14	CATCH BASIN	51.35		48.18(SWQ4)	1.05%	12"
FES4	FLARED END	0.00	47.99(SWQ4)			

DRAINAGE TABLE-STORM 7

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
CB16	CATCH BASIN	53.25		50.40(DMH R)	1.99%	12"
SWQ5	SWQ UNIT	50.90	45.59(DMH W)	45.34(UNG-1)	1.01%	15"
DMH W	MANHOLE	51.74	45.84(DMH S) 47.22(CB23) 47.22(CB19)	45.84(SWQ5)	0.99%	15"
DMH S	MANHOLE	51.34	47.07(DMH R) 47.21(CB18)	47.07(DMH W)	1.00%	12"
DMH R	MANHOLE	53.02	49.00(CB16) 47.22(CB17)	47.22(DMH S)	1.01%	12"
CB17	CATCH BASIN	50.20		47.30(DMH R)	1.07%	12"
CB18	CATCH BASIN	50.20		47.30(DMH S)	1.03%	12"
CB23	CATCH BASIN	50.20		47.35(DMH W)	0.68%	12"
CB19	CATCH BASIN	50.20		47.30(DMH W)	0.99%	12"
RD3	ROOF DRAIN	53.00		48.07(SIPH C)	0.52%	24"
RD4	ROOF DRAIN	53.00		48.07(SIPH D)	0.57%	24"
DMH N	MANHOLE	52.50	46.73(SIPH C)	46.73(DMH O)	0.50%	24"
SIPH D	MANHOLE	52.30	45.58(DMH O) 48.01(RD4)	45.58(DMH P)	0.50%	30"
SIPH C	MANHOLE	52.10	48.02(RD3) 47.06(SWQ-1)	47.06(DMH N)	0.50%	24"
DMH O	MANHOLE	52.10	46.17(DMH N)	46.17(SIPH D)	0.50%	24"
SWQ-1	SWQ UNIT	51.90	47.14(CB2) 47.14(CB3)	47.14(SIPH C)	0.53%	12"
UNG-1	MANHOLE	47.26	43.97(DMH Q) 45.28(SWQ5)			
DMH Q	MANHOLE	51.25	44.05(DMH P)	44.05(UNG-1)	0.54%	30"
DMH P	MANHOLE	50.80	44.36(SIPH D) 44.53(SWQ 10)	44.36(DMH Q)	0.50%	30"
CB2	CATCH BASIN	50.50		47.53(SWQ-1)	0.51%	12"
SWQ 10	SWQ UNIT	50.50	47.26(CB22) 45.38(DMH T)	45.13(DMH P)	0.70%	12"
DMH T	MANHOLE	50.50	47.25(CB21) 45.46(CB 20)	45.46(SWQ 10)	0.55%	12"
CB3	CATCH BASIN	50.46		47.61(SWQ-1)	0.51%	12"
CB21	CATCH BASIN	50.30		47.30(DMH T)	0.55%	12"
CB22	CATCH BASIN	50.30		47.30(SWQ 10)	0.48%	12"
CB 20	CATCH BASIN	50.20		46.00(DMH T)	0.50%	12"

DRAINAGE TABLE-STORM 8

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
SWQ6	SWQ UNIT	47.90	42.31(DMH Y)	42.23(FES6)	1.00%	15"
DMH Y	MANHOLE	47.90	42.63(DMH X) 42.63(CB26)	42.38(SWQ6)	0.93%	15"
DMH X	MANHOLE	47.90	43.69(CB25) 43.69(CB24)	43.44(DMH Y)	1.01%	15"
CB26	CATCH BASIN	47.40		42.77(DMH Y)	2.07%	15"
CB25	CATCH BASIN	47.40		43.83(DMH X)	2.03%	15"
CB24	CATCH BASIN	47.40		44.24(DMH X)	0.50%	15"
FES6	FLARED END	0.00	42.00(SWQ6)			

DRAINAGE TABLE-STORM 9

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
CB28	CATCH BASIN	46.70		42.47(DMH Z1)	0.99%	12"
SWQ7	SWQ UNIT	45.20	40.63(DMH Z1)	40.63(FES7)	0.87%	18"
CB29	CATCH BASIN	45.50		42.40(DMH Z)	1.00%	12"
CB27	CATCH BASIN	45.50		41.87(DMH Z1)	0.62%	12"
CB30	CATCH BASIN	45.50		42.48(DMH Z)	1.00%	12"
DMH Z1	MANHOLE	45.25	41.21(DMH Z) 41.71(CB28) 41.71(CB27) 40.71(CB31)	40.71(SWQ7)	1.04%	18"
DMH Z	MANHOLE	45.20	42.25(CB29) 42.25(CB30)	42.25(DMH Z1)	1.00%	15"
CB31	CATCH BASIN	44.39		41.54(DMH Z1)	0.94%	12"
FES7	FLARED END	0.00	40.50(SWQ7)			

DRAINAGE TABLE-STORM 13

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
HW-1	HEADWALL	0.00		46.27(DMH CC)	0.53%	24"
UNG-4B	MANHOLE	51.30	45.81(DMH CC)			
DMH CC	MANHOLE	50.00	46.00(HW-1)	46.00(UNG-4B)	0.51%	24"

DRAINAGE TABLE-STORM 10

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
CB32	SWQ INLET	45.30		42.30(FES3)	1.00%	12"
FES3	FLARED END	44.02	41.69(CB32)			

DRAINAGE TABLE-STORM 12

STR.	STR. TYPE	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SLOPE	OUT. PIPE SIZE
SWQ9	SWQ UNIT	51.50	48.05(TW-1)	48.05(UNG-5B)	0.98%	10"
SWQ8	SWQ UNIT	51.83	48.06(TW-2)	48.06(UNG-5A)	1.05%	10"
TW-1	TRUCKWELL DRAIN	53.00		48.27(SWQ9)	0.99%	10"
TW-2	TRUCKWELL DRAIN	53.00		48.27(SWQ8)	0.98%	10"
UNG-5A	MANHOLE	51.94	47.98(SWQ8)			
UNG-5B	MANHOLE	51.55	47.99(SWQ9)			

PIPE MATERIAL: PIPES SHALL HAVE A MANNING'S "n" VALUE OF 0.013 OR LESS. REFER TO SPECIFICATIONS FOR ACCEPTABLE PIPE MATERIALS.

LEGEND
MH=MANHOLE SWQ=STORMWATER QUALITY UNIT SIPH=SIPHONIC MANHOLE

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PERMIT SET

PROJECT No.: W050623
DRAWN BY: KBS/CFD
CHECKED BY: MDS/JAK
DATE: 03/14/2011
SCALE: AS SHOWN
CAD I.D.: W050623SS5

PROJECT: SITE DEVELOPMENT PLANS FOR Walmart

STORE # 2184-07
PROPOSED RETAIL DEVELOPMENT

LOTS 25, 29, 30, 33, 63, 199 & 218, MAP 7
1300 FALL RIVER AVENUE & ANTHONY STREET
TOWN OF SEEKONK
BRISTOL COUNTY, MA

REVISIONS

REV	DATE	COMMENT	BY
1	6/03/11	REVS PER TOWN PB FILING	KBS
2	9/6/11	BUILDING LOCATION	AWP
3	11/14/11	TOWN REVIEW COMMENTS	AWP
4	12/14/11	REVS PER TOWN/PEER REVIEW COMMENT	EGD
5	01/23/12	REVS PER CON. COMM. COMMENTS	JSE
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SHEET TITLE:
GRADING AND DRAINAGE PLAN

SHEET NUMBER:
C-2
OF 18

REV 5-01/23/2012

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