S41°02'10"E
330.00'
BORDERING VEGETATED WETLANDS
STAKED HAYBALES (TYP.)
EXISTING EDGE OF PAVEMENT (TYP.)
LEVEL SPREADER 3-5 LB RIP-RAP
FE 1 INV.=210.0
50-FT BUFFER ZONE
75-FT BUFFER ZONE
100-FT BUFFER ZONE
EXISTING BITUMINOUS PARKING
APPROX. SEWER LINE LOC.
12" HDPE L=253' SL=1%
RESERVE SEWAGE DISPOSAL
PRIMARY SEWAGE DISPOSAL
15' 10' MIN.
450.00'
TREES
ARLINGTON ST
EDGE OF PAVEMENT (TYP.)
ROOF DRYWELL TO REMAIN (APPROX.)
APPROX. WATER LINE LOC.
PARISH HALL
LANDSCAPED ISLAND
BITUMINOUS PARKING
TREE
FF=224.3
CAP EXISING FLOOR DRAIN WITH WATERTIGHT REMOVABLE CAP
WINDOW WELL DRAIN DRYWELL TO REMAIN
DMH 2 RIM=219.0± INV.=212.7
DMH 4 RIM=222.0± INV.=215.2
12" HDPE L=127' SL=2%
10" X 6" WYE CONNECTION (TYP.)
6" HDPE EXTENSION (TYP. OF 10) 1% MIN. SLOPE
12" HDPE L=84' SL=1.0%
ABANDON EXISTING ROOF DRYWELL
APPROX. LOC. EXIST. GAS LINE
RAMP
INV.=218.2±
ABANDON ALL EXISTING ROOF DRYWELLS 1-10 (CRUSH & FILL WITH CLEAN GRANUAR FILL)
EXTEND DOWNSPOUTS TO DAYLIGHT AT SWALE SCH 40 PVC
SLOPE 3%
20' MIN.
PROP. IMPROVED GRASS SWALE 2% MIN. SLOPE
ST. ELIZABETH OF HUNGARY CATHOLIC CHURCH
FIRST FLOOR ELEV.=224.3±
BASEMENT FLOOR ELEV.=212.4±
INV.=215.7±
INV.=215.6±
MEZZANINE
PLANTER
DMH 5 RIM=219.0± INV.=213.6
EXIST. DRYWELL NO. (TYP.)
APPROX. SIGN LOCATION
TBM: TOP OF HYDRANT ELEV.=210.68
INV.=216.7±
135° BEND
LAWN
DMH 7 RIM=220.0± INV.=215.6
12" HDPE L=128' SL=1%
10" X 6" WYE CONNECTION (TYP.)
DMH 6 RIM=219.0± INV.=214.3
WINDOW WELL DRAIN DRYWELL TO REMAIN
VENT
APPROX. SEWER LINE LOC.
S.T.
D-BOX
P.T.
EXISTING SEWAGE DISPOSAL SYSTEM
GRADE SWALE TO DIRECT DRAINAGE TO EXISTING LOWPOINT
N53°44'00"W
101.82'
113.74'
N10°44'30"E
74.46'
N10°29'30"E
S49°57'50"W
GRAPHIC SCALE
0 10 20 40 60 FT
0 5 10 20 M

GENERAL NOTES

1. NO WORK SHALL OCCUR WITHIN A WETLAND RESOURCE AREA.
2. NO SOIL STOCK PILES SHALL BE LOCATED WITHIN THE BUFFER ZONE WITHOUT BEING COVERED WITH A TARP OR CONTAINED WITHIN STAKED HAYBALES OR SILT FENCE.
3. NO CONSTRUCTION DEBRIS SHALL BE BURIED IN THE 100 FOOT BUFFER ZONE.
4. THE LOCATION OF THE EROSION CONTROL BARRIER DESIGNATES THE LIMIT OF THE WORK AREA.
5. THE EROSION CONTROL BARRIERS SHALL BE INSPECTED AND MAINTAINED REGULARLY.

CONSTRUCTION NOTES

1. ALL DRAIN MANHOLES TO BE 12" NYLOPLAST DRAIN BASIN H-20 STRUCTURES WITH SOLID HEAVY DUTY COVERS (NO GRATE)
2. ROOF LEADER CONNECTIONS TO BE 6" HDPE WITH AN HDPE WYE CONNECTIONS AT THE 12" MAIN DRAIN LINE
3. ROOF LEADERS TO BE DAYLIGHTED (3) SHALL BE SCH 40 PVC AND SLOPED A MIN. OF 2% AWAY FROM BUILDING TO PROPOSED SWALE
4. REGRADE AREA NORTHWEST OF CHURCH REAR TO HAVE A MIN. SLOPE OF 3% FOR 20 FEET AWAY FROM BUILDING AND GRADE A GRASS SWALE BEYOND THIS 20 FOOT ZONE TO DIRECT DRAINAGE AND (3) DOWNSPOUTS DISCHARGES TO LOWPOINT ALONG EAST SIDE OF CHURCH.

2 STAKES PER HAYBALE
HAYBALE
SLOPE

STAKED HAYBALE EROSION CONTROL BARRIER DETAIL
NO SCALE

RECEIVED
AUG 19 2010
ACTON CONSERVATION COMMISSION

AS AMENDED 9/1/10 - SPH

SCOTT P. HAYES CIVIL No. 41017 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS
8-17-10

DRAINAGE IMPROVEMENT PLAN

LOCATION:
ST. ELIZABETH OF HUNGARY CATHOLIC CHURCH
89 ARLINGTON STREET
ACTON, MASSACHUSETTS 01720

PREPARED FOR:
ST. ELIZABETH OF HUNGARY CATHOLIC CHURCH
89 ARLINGTON STREET
ACTON, MASSACHUSETTS 01720

DATE: AUGUST 17, 2010 SCALE: 1"=20'

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