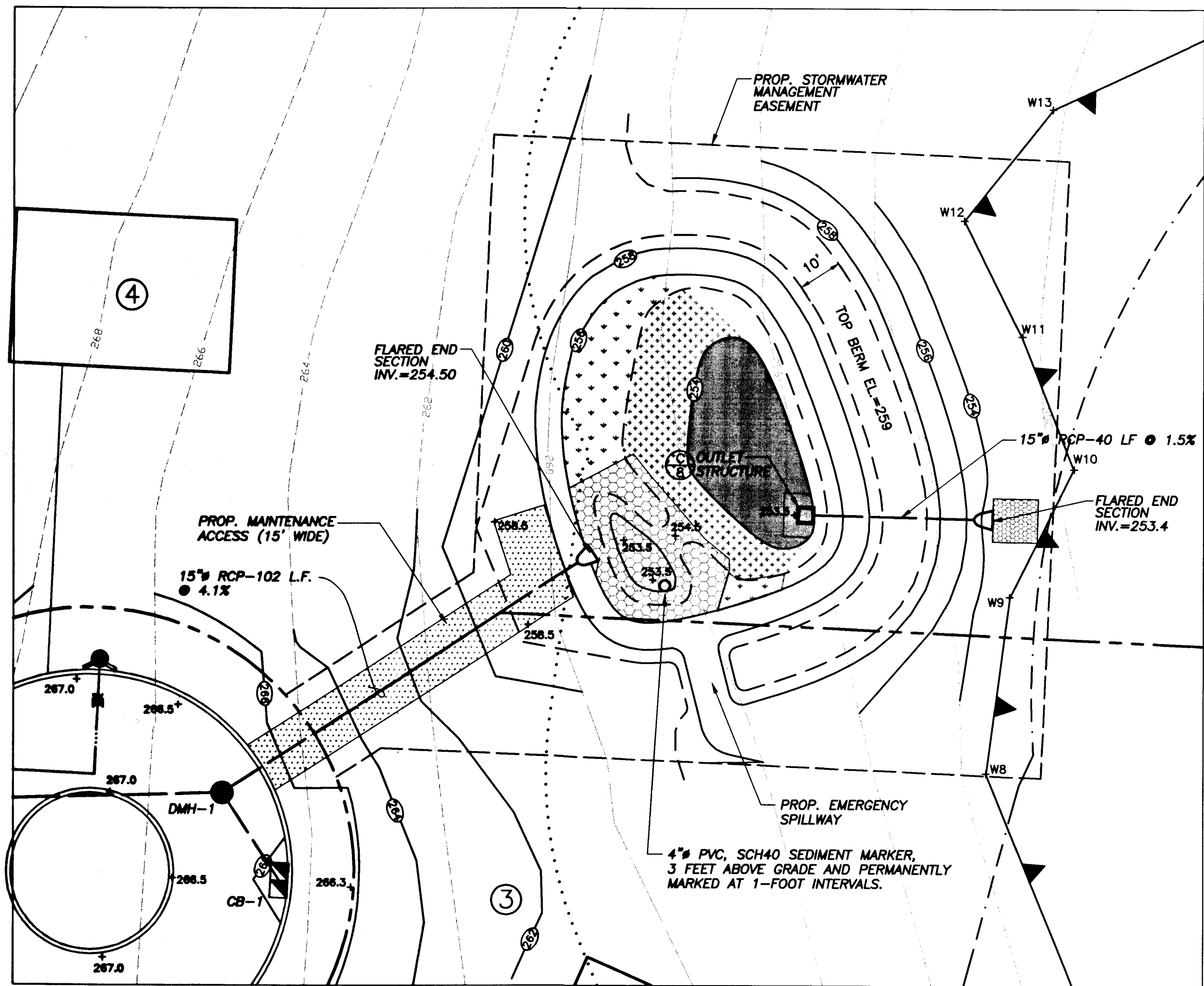
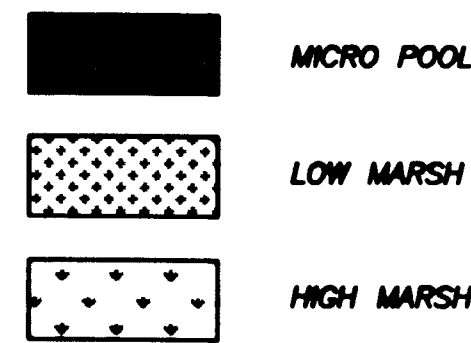




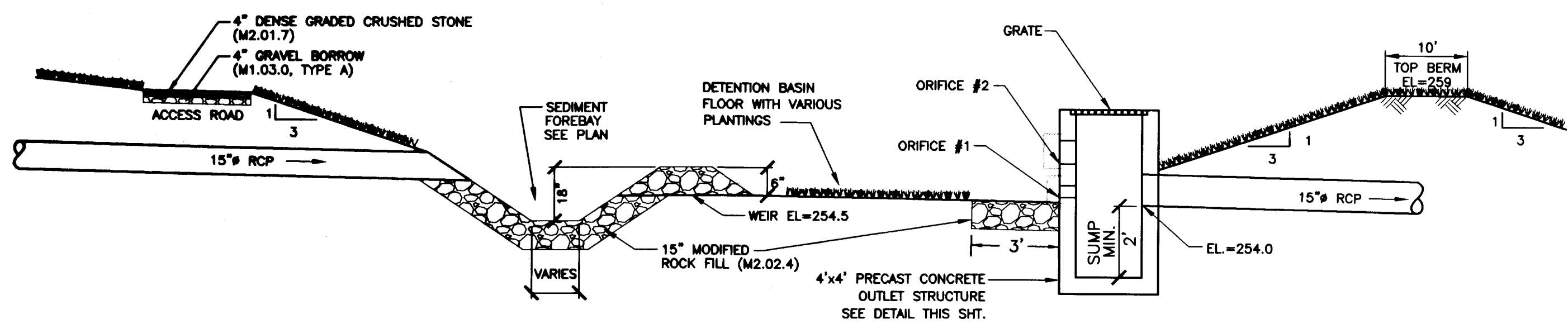
DETENTION BASIN PLAN VIEW
1"=20'

PLANTING ZONES

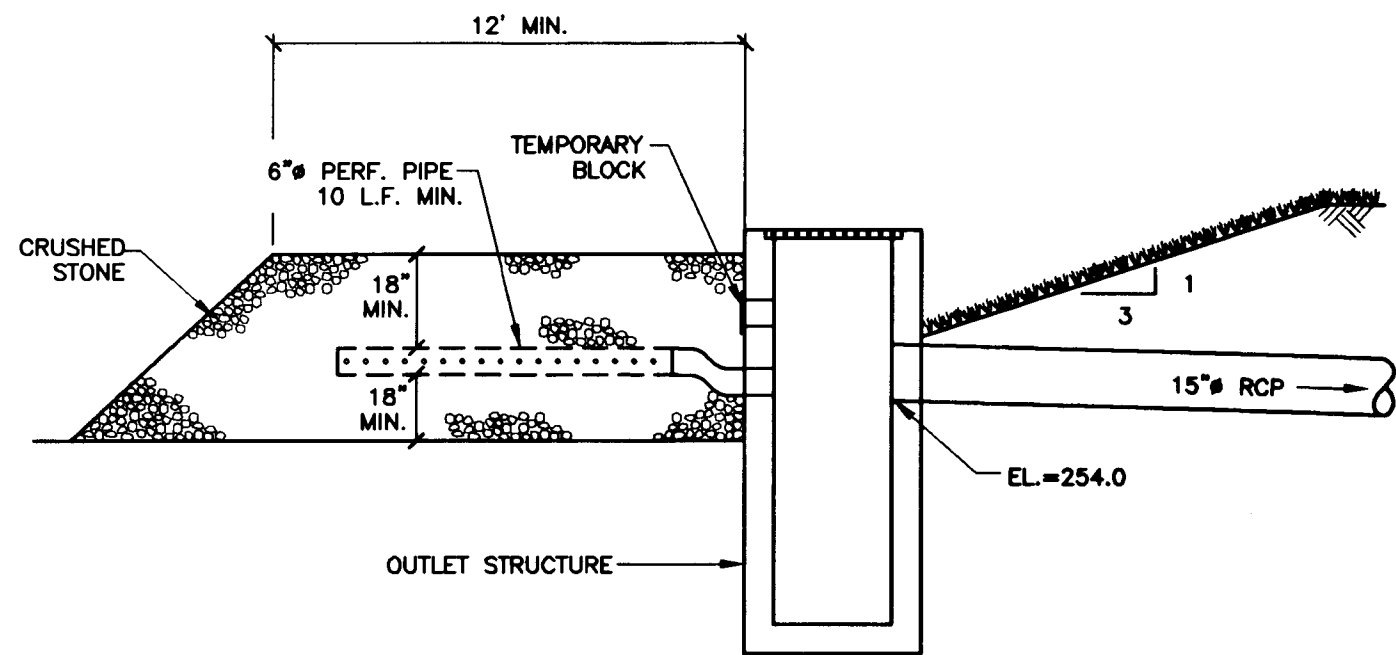


PLANTING SCHEDULE

COMMON NAME	SCIENTIFIC NAME	SIZE	ZONE		
			HIGH MARSH	LOW MARSH	MICRO POOL
SPIKE RUSH	ELEOCHARIS PALUSTRIS	2" PLUG	100		
BLUE FLAG IRIS	IRIS VERSICOLOR	2" PLUG	50		
THREE WAY SEDGE	DULICHUM ARUNDINACEUM	2" PLUG	50		
SOFT RUSH	JUNCUS EFFUSUS	2" PLUG	100	50	
BLUE VERAIN	VERBNA HASTATA	2" PLUG		50	50
MARSH MARIGOLD	CALTHA PALUSTRIS	2" PLUG		50	
LURID SEDGE	CAREX LURIDA	2" PLUG		50	
TUSICK SEDGE	CAREX STRICTA	2" PLUG		75	
ARROW ARUM	PELTANDRA VIRGINICA	2" PLUG			100
WOOL GRASS	SCIRPUS CYPERINUS	2" PLUG		50	
CATTAIL	TYPHA LATIFOLIA	2" PLUG		50	200

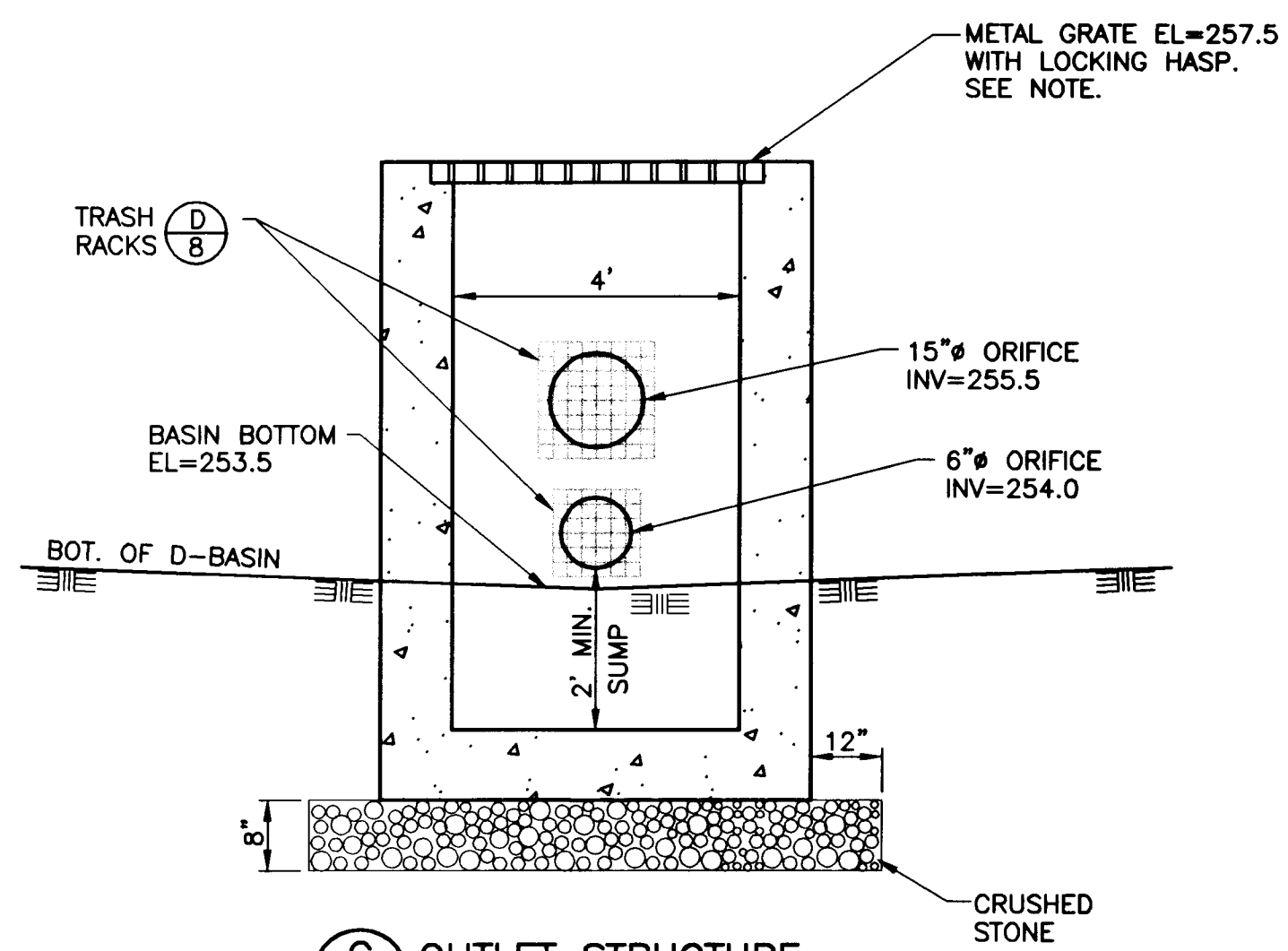


DETENTION BASIN TYPICAL SECTION
NTS



TEMPORARY SEDIMENT TRAP TYPICAL SECTION
NTS

NOTE:
DURING CONSTRUCTION D-BASIN TO FUNCTION AS TEMPORARY SEDIMENT TRAP. AT COMPLETION ALL STONE AND ACCUMULATED SEDIMENTS TO BE CLEANED AND REMOVED, INCLUDING FOREBAY.

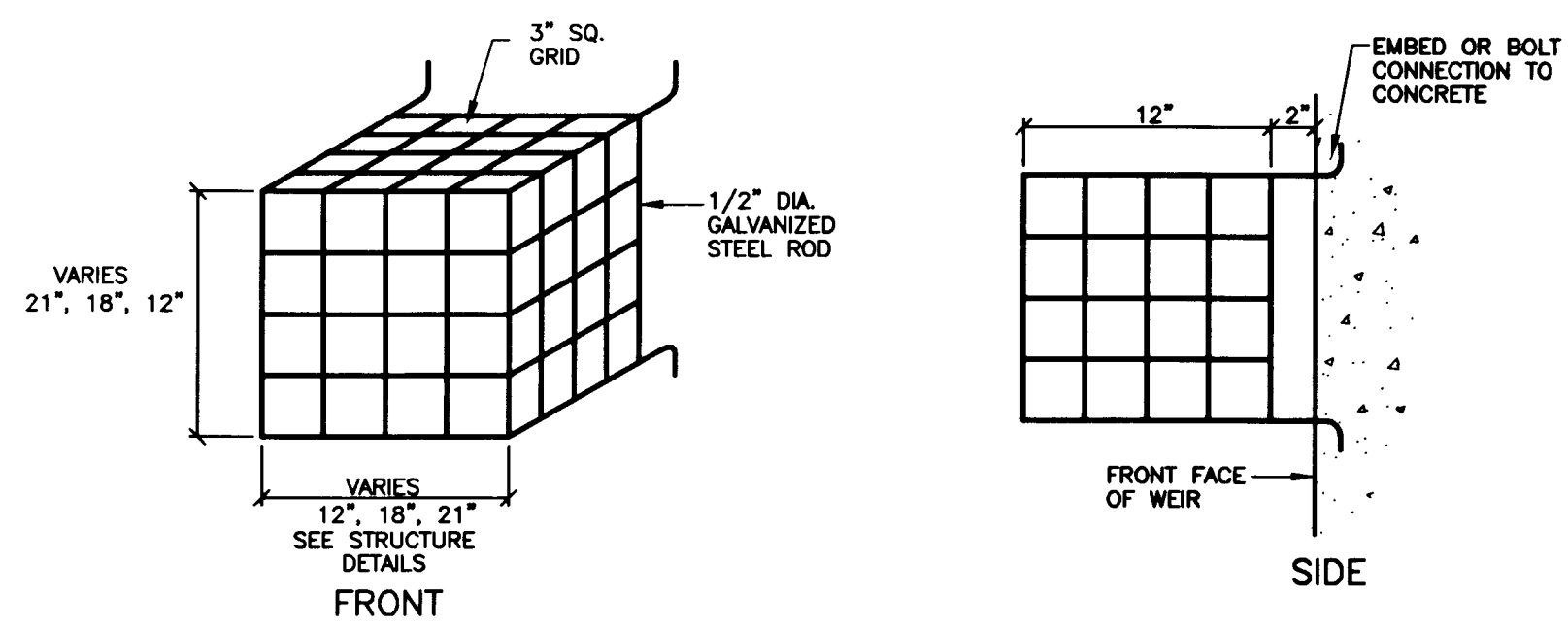


OUTLET STRUCTURE
NTS

GRATING NOTES:
TOP METAL GRATING SHALL BE CAPABLE OF SUPPORTING 100 POUNDS PER SQUARE FOOT (PSF) LOADING WITH DEFLECTION LIMITED TO 1/240. GRATINGS SHALL BE HOT-DIPPED GALVANIZED STEEL, ALUMINUM, STAINLESS STEEL OR OTHER APPROVED NON-CORRODING MATERIAL, AND SHALL FIT INTO A RECESS AND FLUSH WITH THE TOP OF THE STRUCTURE.

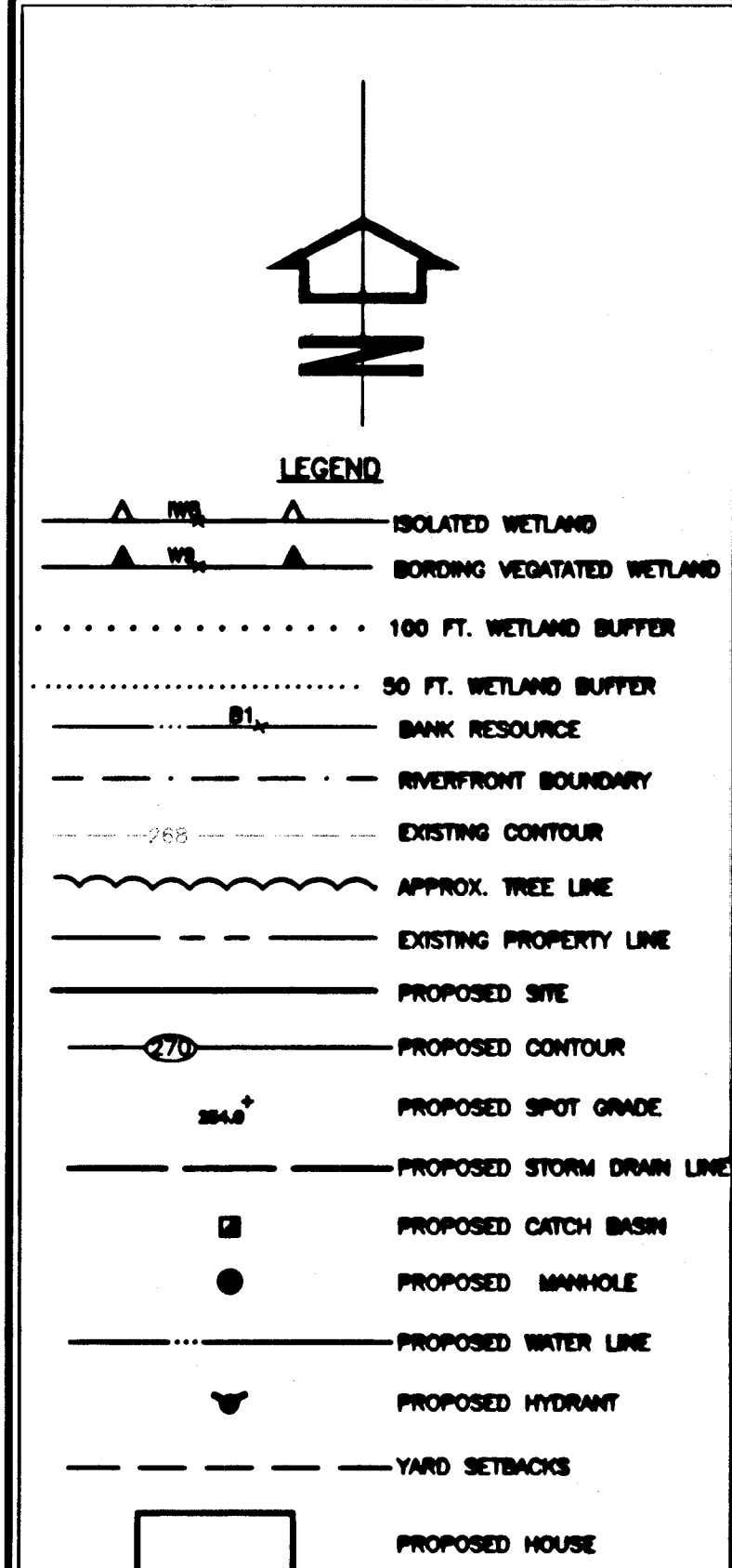
PRECAST CONC. NOTES:
OUTLET STRUCTURES SHALL BE PRECAST CONCRETE, 5000 PSI MINIMUM 28-DAY STRENGTH. MINIMUM WALL THICKNESS SHALL BE 6 INCHES.

STEEL REINFORCEMENT - ASTM A615, GRADE 60, COVER TO STEEL = 1.5 INCHES MIN.



TYPICAL TRASH RACK DETAIL
NTS

No.	DATE	REVISION	BY
1	10/14/05	ADD ROW CURVE & HYDRANT, RELOCATE HYDRANT, MODIFY LOT 1 SETBACK, SHOW 50' WETLAND BUFFER, EXTEND SIDEWALK, REVISED SEWER SYSTEM PER DPW. ADDED L.O.W. AND SEDIMENT MARKERS.	JNL
2	10/24/05	ADD LARGER PUMP BASINS	JNL
3	11/3/05	MODIFY GRANITE CURB DETAIL, ADD L.O.W. MARKERS, ADD INDIVIDUAL FORCE MAINS.	JNL



DETENTION BASIN DETAILS

PROJECT AND LOCATION:
RUFFINO ROAD SUBDIVISION
PROSPECT STREET
EAST LONGMEADOW, MA

PREPARED FOR:
ROOSEVELT HILL, LLC
128 FEDERAL STREET
SPRINGFIELD, MA 01105

REC PROJECT No. 04-1014
SCALE AS NOTED
DATE AUGUST 2005
DRAWN BY EDM
CHECKED BY JNL

8
of 10 SHEETS

APPROVED BY EAST LONGMEADOW PLANNING BOARD
DATE: 1/24/06 CHAIRMAN: [Signature]