

- LEGEND:**
- EXISTING FEATURES**
- W — EXISTING WATER LINE
 - S — EXISTING SANITARY SEWER
 - UGE — EXISTING BURIED POWER
 - D — EXISTING STORM SEWER
 - ⊙ EXISTING GREASE TRAP
 - EXISTING STORM SEWER INLET
 - ⊕ EXISTING SEWER CLEANOUT
 - - - - EXISTING GRADE CONTOUR
 - · · · EXISTING GRADE SPOT ELEVATION
- PROPOSED FEATURES**
- 12 — PROPOSED GRADE CONTOUR
 - X 12.12 PROPOSED GRADE SPOT ELEVATION
 - TG/TR/TC/TP TOP OF GRATE/RIM/CURB/PAVEMENT

TBM 5 SET: CHISELED SQUARE ON CONC. CURB ELEV.=42.14

SAM'S CLUB #6648
F.F.E. = 45.0'±

MAINTAIN EXISTING PAVEMENT ELEVATIONS AROUND EAST AND NORTH SIDES OF NEW CURBED ISLAND. PROVIDE NEW CONCRETE CURB AND GUTTER, AS SHOWN.

EXISTING 100' WIDE WETLAND BUFFER

RAISE GRATE AND FINISHED PAVEMENT ELEVATION TO 44.18. MAINTAIN EXISTING INLET, PIPE AND INVERT ELEVATION.

PROPOSED CONCRETE LANDING AND STAIRS. (REFER TO ARCH. PLANS FOR DETAILS) TOP OF PAVEMENT AT STAIRS = 44.20.

IN ENTIRE AREA BETWEEN NEW CURBING AND EXISTING RETAINING WALL, GRADE DOWN EVENLY FROM PROPOSED TOP OF CURB (OR BOTTOM OF CURB FOR CURB BREAKS) DOWN TO TOP OF EXISTING WALL. (TOP OF EXISTING WALL ELEV. = 44.0±)

MAINTAIN EXISTING PAVEMENT ELEVATIONS IN THESE AREAS MARKED BY UNLABELED SPOTS.

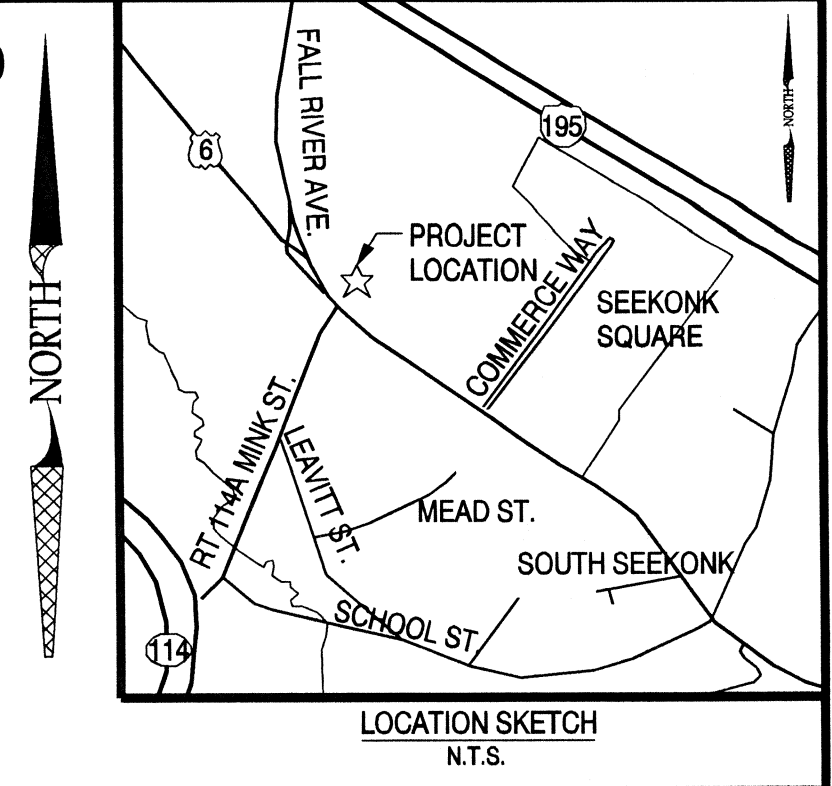
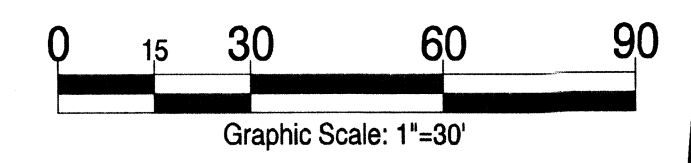
NO DISTURBANCE, CONSTRUCTION, OR GRADING SHALL OCCUR EAST OF EXISTING RETAINING WALL.

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TOTAL NEW PORTION OF RETAINING WALL LENGTH = 27' MAX. WALL HEIGHT = 5' (AT BEND IN WALL)

9' SECTION OF EXISTING WALL AND FENCE TO BE REMOVED. EXTEND RETAINING WALL WITH NEW REINFORCED CONCRETE WALL. MATCH EXISTING COLOR, TEXTURE, AND EXISTING WALL CONSTRUCTION SPECIFICATIONS. WALL MUST BE DESIGNED TO SUFFICIENTLY RETAIN PROPOSED LOADS AND HANDLE HIGH GROUND WATER AND SURFACE WATER CONTACT. AN ONSITE GEOTECHNICAL ENGINEER SHALL WITNESS THE ENTIRE REMOVAL AND CONSTRUCTION OF NEW WALL.

PROVIDE 2' WIDE CURB BREAK (WITH 0' REVEAL) FOR DRAINAGE. (TYP.) (SEE DETAIL)



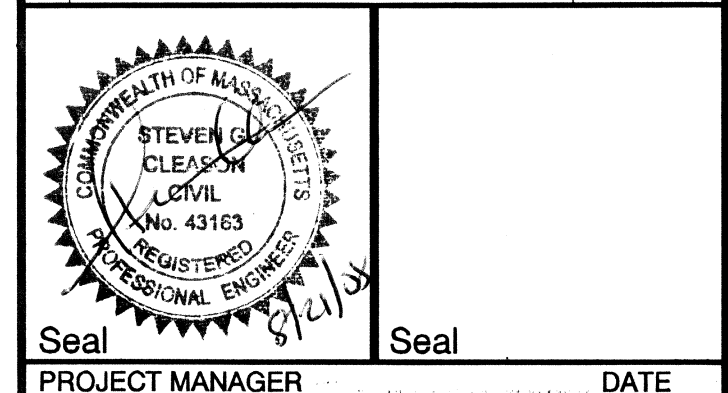
UTILITY AND GRADING NOTES:

1. ALL EXISTING BUILDING, SITE, GRADING AND UTILITY INFORMATION SHOWN ON THIS PLAN IS REPRESENTED BASED ON USE OF THE LISTED REFERENCES.
2. NO IMPROVEMENTS TO THE EXISTING SITE GAS, ELECTRIC OR TELEPHONE SERVICES ARE ANTICIPATED FOR THIS EXPANSION PROJECT. UTILITY IMPROVEMENTS INCLUDE A WATERMAIN RELOCATION, FIRE HYDRANT AND FIRE DEPARTMENT CONNECTION RELOCATION AND SANITARY SEWER MODIFICATIONS. OTHER IMPROVEMENTS INCLUDE STORM SEWER MODIFICATIONS. ALL PROPOSED STORM SEWERS AND LATERALS SHALL HAVE 2'-0" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE.
3. FOR THE PROPOSED WATERMAIN RELOCATION, THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY AND STORE MANAGER TO MAINTAIN WATER SERVICE AND FIRE PROTECTION.
4. EXISTING UTILITIES AND GRADES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS, INVERTS AND PERTINENT FINISHED GRADE ELEVATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE OWNER OR OWNER'S REPRESENTATIVES ATTENTION WITHIN SUFFICIENT TIME TO ALLOW FOR ANY NECESSARY RE-DESIGN.
5. ALL WORK ASSOCIATED WITH THE MODIFICATIONS TO SAID UTILITIES SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL GOVERNING AUTHORITIES' AND/OR AGENCIES' REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY APPROVALS, CONNECTIONS, INSPECTIONS, AND FEES REQUIRED FOR INSTALLATION OR RELOCATION OF UTILITIES.
6. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. IF SAID UTILITIES BECOME DISTURBED OR DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE SAID UTILITIES AT THE CONTRACTOR'S EXPENSE AND PER THE LOCAL GOVERNING AUTHORITIES' AND/OR AGENCIES' REQUIREMENTS AND SPECIFICATIONS.
7. CONTRACTOR TO PROVIDE AND MAINTAIN ALL EROSION AND SILT CONTROL DEVICES, AS NECESSARY PER THE LOCAL GOVERNING AUTHORITIES' AND/OR AGENCIES' REQUIREMENTS AND SPECIFICATIONS. ALL EROSION CONTROL MEASURES AND DEVICES ARE INDICATED ON PLANS ES-1 AND ES-2 AS PART OF THE SWPPP.
8. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTENCE OF ANY IRRIGATION LINES AND SPRINKLER HEADS WITHIN THE LIMITS OF WORK. IF FOUND ANY IRRIGATION LINES OR SPRINKLER HEADS SHALL BE RELOCATED/REPLACED TO MAINTAIN COVERAGE OF LAWN AND LANDSCAPED AREAS.
9. APD ENGINEERING IS ONLY RESPONSIBLE FOR THE PROPOSED SITE IMPROVEMENTS RELATED TO THIS EXPANSION PROJECT. APD ENGINEERING DID NOT PERFORM THE ORIGINAL SITE DESIGN OR SURVEY AND ACCEPTS NO RESPONSIBILITY FOR EXISTING SITE CONDITIONS OR FEATURES THAT WERE DESIGNED AND BUILT PREVIOUS TO THE PREPARATION OF THESE PLANS.
10. CONTRACTOR TO PROVIDE AND MAINTAIN EROSION AND SILT CONTROL DEVICES IN ALL AREAS OF TRENCHING. REFER TO DETAIL SHEET FOR ADDITIONAL INFORMATION.
11. WATER LINES SHALL KEEP A MINIMUM SEPARATION OF 18" VERTICALLY AND 10' HORIZONTALLY, MEASURED FROM OUTSIDE OF PIPES/STRUCTURES. FROM ALL STORM SEWERS AND SANITARY SEWERS. CLEARANCE REQUIREMENTS FROM OTHER UTILITIES SHALL BE VERIFIED WITH THE APPROPRIATE UTILITY AUTHORITY.
12. THE CONTRACTOR IS CAUTIONED THAT LIGHTING CONDUIT AND/OR WIRING MAY EXIST WITHIN THE WORK AREA. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING LIGHTING.

REFERENCES:

1. EXISTING SITE, BOUNDARY, UTILITY AND TOPOGRAPHIC SURVEY (SHEETS 1 OF 3, 2 OF 3 AND 3 OF 3) PREPARED BY COLER & COLANTONIO INC., DATED 5/27/05, AND LAST REVISED ON 8/5/05.
2. ARCHITECTURAL BUILDING PLANS PREPARED BY BRR ARCHITECTURE, HAVING DRAWING NAMES: "EXTERIOR BUILDING PLAN (SP1)", "EXTERIOR DETAILS (SP2)", "EXTERIOR BUILDING PLANS (SP2.1)", "DEMOLITION PLAN (D1)", "FLOOR PLAN (A1)", "EXTERIOR ELEVATIONS (A2)", "ENLARGED FLOOR PLANS (A5.1)", "TIRE AND BATTERY CENTER (TBC1)", AND "CUSTOMER LOADING CANOPY (LC1)". ALL DRAWINGS DATED 12/12/07.
3. PLUMBING PLANS PREPARED BY HENDERSON ENGINEERS, INC., HAVING DRAWING NAMES: "PLUMBING PLAN (P1)", "GROCERY WASTE AND VENT PLANS (P2)", "SNACK BAR PLUMBING PLANS (P2.4)", AND "TBC AND VESTIBULE PLUMBING PLANS (P2.6)". ALL DRAWINGS DATED 11/5/07.
4. PHOTOGRAPHS TAKEN BY APD ENGINEERING DURING SCOPING TRIP ON 10/23/07.

| Revisions: | Date: |
|-----------------------------|---------|
| 1 Revised per Town Comments | 8/21/08 |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |



PROJECT MANAGER _____ DATE _____

PROJECT ENGINEER / ARCHITECT _____ DATE _____

PROJECT DESIGNER _____ DATE _____

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Project Name & Location:

| | |
|---------------------|-------------|
| Grading Plan | |
| Drawing Name: | Project No. |
| Date: 12/21/07 | 07-0205 |
| Type: | |
| Drawn By: JED | C 3 |
| Scale: 1"=30' | Drawing No. |