GENERAL NOTES:

1. ALL EXISTING UTILITIES HAVE BEEN PLOTTED BASED UPON BEST AVAILABLE INFORMATION AND REPRESENT APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE & UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE MASSACHUSETTS LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY CITY, STATE OR FEDERAL AGENCY THAT MAY APPLY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

2. SPECIFICATIONS TO GOVERN THIS PROJECT ARE MASSACHUSETTS STANDARD SPECIFICATIONS. FOR ALL EXCAVATION, PLACEMENT OF FILL, PIPE INSTALLATION, BITUMINOUS PAVEMENT, CUTTING INTO CATCHBASIN/MANHOLES, CONCRETE AND SAWCUTTING, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE COMMONWEALTH OF MASSACHUSETTS , MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, BOSTON MASSACHUSETTS 1988, INCLUDING LATEST REVISIONS.

3. THE ITEMS REFERENCED WITHIN THE PLAN SET SHALL BE IN ACCORDANCE WITH THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS CONSTRUCTION STANDARDS, 1977 STANDARDS, INCLUDING LATEST REVISIONS.

4. THE CONTRACTOR MUST VERIFY PRIOR TO CONSTRUCTION THAT ALL REQUIRED AUTHORIZATION TO PERFORM WORK HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.

5. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR CALL-OUTS, DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR CALL-OUT, DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.

6. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY WORK.

7. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN.

8. ALL STUMPS AND ROOTS ARE TO BE REMOVED AND DISPOSED OF OFF THE SITE IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL REGULATIONS.

9. UNLESS NOTED, DRAINAGE PIPE SHALL BE ADS N-12 OR HANCOR HDPE PIPE. ALL INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURE'S RECOMMENDATIONS.

DRAINAGE SYSTEM MAINTENANCE SCHEDULE

UPON PROJECT COMPLETION, THE SITE OWNER SHALL ADHERE TO THE FOLLOWING MAINTENANCE RECOMMENDATIONS.

1. CATCH BASINS, MANHOLES AND DRAIN LINES:
   AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
   - DAMAGE TO GRATE/COVER
   - EVIDENCE OF STANDING WATER
   - DEBRIS REMOVAL
   - STRUCTURAL ALIGNMENT/INTEGRITY

   ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.

2. SEDIMENT REMOVAL:
   FOLLOWING CONSTRUCTION, SEDIMENT REMOVAL SHALL BE CONDUCTED AS DEEMED NECESSARY BY THE SYSTEM INSPECTIONS. ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE AND FEDERAL REGULATIONS.

SNOW REMOVAL NOTE:

SNOW ACCUMULATION WITHIN SNOW STOCKPILE AREAS SHALL NOT EXCEED 3' IN HEIGHT. ANY ADDITIONAL SNOW SHALL BE REMOVED FROM THE SITE AND STORED IN UPLAND AREAS IN ACCORDANCE WITH DEP SNOW DISPOSAL GUIDELINES. REFER TO SITE LAYOUT PLAN FOR ON-SITE SNOW STOCKPILE AREAS.

EROSION CONTROL AND SOIL STABILIZATION PROGRAM

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE DRAINAGE SYSTEM, ADJACENT PROPERTY AND ROADWAYS.

2. DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.

3. ALL DISTURBED AREAS, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE.

4. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS, SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE OWNER.

5. HAY OR STRAW APPLICATIONS SHALL BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.

6. ALL SILT FENCING, HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED AND POTENTIAL SEDIMENTATION SOURCES ARE REMOVED.

7. NO SLOPES ARE TO EXCEED 3:1, UNLESS OTHERWISE SHOWN ON PLAN.

8. STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STAKED HAY BALES.

9. STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW OR FIBER MATTING.

10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT/REPLACE AS NEEDED.

11. ADDITIONAL HAY BALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER, OWNER OR MUNICIPAL REPRESENTATIVES.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL AT NO ADDITIONAL COST.

13. ALL EXISTING (TO REMAIN) AND PROPOSED CATCHBASINS SHALL BE PROTECTED BY STAKED HAY BALES UNTIL COMPLETION OF CONSTRUCTION.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY CONSTRUCTION SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN AIY AREA OPEN TO TRAFFIC.

3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS WILL NOT BE PARKED IN THE ROAD RIGHT-OF-WAY.

4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION, INCLUDING REVISION 3, SEPTEMBER 3, 1993, AND SUBSEQUENT ADDENDA.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A REGISTERED LAND SURVEYOR TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

PROPOSED PAVEMENT STRUCTURE:

1-1/2" CLASS 1 BITUMINOUS CONCRETE TOP COURSE TYPE I-1
2" CLASS 1 BITUMINOUS CONCRETE BINDER COURSE TYPE I-1
8" GRAVEL BORROW SUBBASE

ROAD R.O.W. PROPOSED PAVEMENT STRUCTURE

2" CLASS 1 BITUMINOUS CONCRETE TOP COURSE TYPE I-1
4" CLASS 1 BITUMINOUS CONCRETE BASE COURSE TYPE I-1
12" GRAVEL BORROW SUBBASE

FLOOD ZONE NOTE:

THE SITE IS LOCATED IN FLOOD ZONE "C", AREA OF MINIMAL FLOODING, AS DEPICTED ON NATIONAL FLOOD INSURANCE RATE MAPS FOR THE TOWN OF SEEKONK, MASSACHUSETTS, COMMUNITY PANEL NUMBER 25006 30010A. EFFECTIVE DATE SEPTEMBER 5, 1979.

NOTE:

RUNNINS RIVER 100 YEAR FLOOD ZONE ELEVATION=12 MSL AT HIGHLAND AVENUE

LEGEND

EXISTING		PROPOSED
PL	PROPERTY LINE	
	CURB	
NO.	UTILITY POLE	
LP	LIGHT POLE	
(SIZE) SEWER	SANITARY SEWER	S
(SIZE) GAS	GAS LINE	G
(SIZE) WATER	WATER LINE	W
	FIRE SERVICE	FW
(SIZE) DRAIN	DRAIN LINE	D
OHW	OVERHEAD WIRES	
T	TELEPHONE CONDUIT	UT
	FIRE ALARM CONDUIT	UFA
E	ELECTRIC POWER CONDUIT	UE
EMH	ELECTRIC MANHOLE	
DMH	DRAINAGE MANHOLE	DMH
TMH	TELEPHONE MANHOLE	
CB	CATCH BASIN	CB
MW	MONITORING WELL	MW
HYD.	HYDRANT	HYD.
GG	GAS GATE	GG
WG	WATER GATE	WG
X ELEV.	SPOT GRADES	00X0
XXX	CONTOURS	ELEV.
	GRADE TO DRAIN	
	STONE WALL	
X X X X	CHAIN LINK FENCE	
	SAW CUT & MATCH	
	TREE LINE	
	TREE	
	CLEAN-OUT TO GRADE	C.O.
	BUILDING/STRUCTURE	
	PAINTED PAVEMENT ARROWS	
B	BOLLARDS	B
	R&D	REMOVE & DISPOSE
	TC XXX.X / BC XXX.X	TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION

- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying

CROSSMAN ENGINEERING, INC.
151 Centerville Road
Warwick, Rhode Island 02886
Phone: (401) 738-5660 - Fax: (401) 738-8157
Email: cei@crossmaneng.com
Web Page:crossmaneng.com

PROJECT TITLE

PROPOSED
GCO
CARPET OUTLET
A.P. 8 LOT 8
PARCEL 1
16 HIGHLAND AVENUE
SEEKONK, MA. 02771

ZONING DISTRICT:
HIGHWAY BUSINESS

PREPARED FOR

PLV CORP.
d/b/a GCO CARPET OUTLET
650 BRANCH AVENUE
PROVIDENCE, RI 02904

DRAWING TITLE

GENERAL NOTES and LEGEND

DATE	SCALE
NOVEMBER, 2002	NO SCALE

DWG NAME: 970-NOTE.dwg

NO.	DATE	REVISION
1	12/12/02	WETLAND FLAGS
2	12/24/02	CONSERVATION AGENT COMMENTS

DRAWING NUMBER

A1.1

SHEET: 2 OF: 12

AGENCY REVIEW SUBMISSION