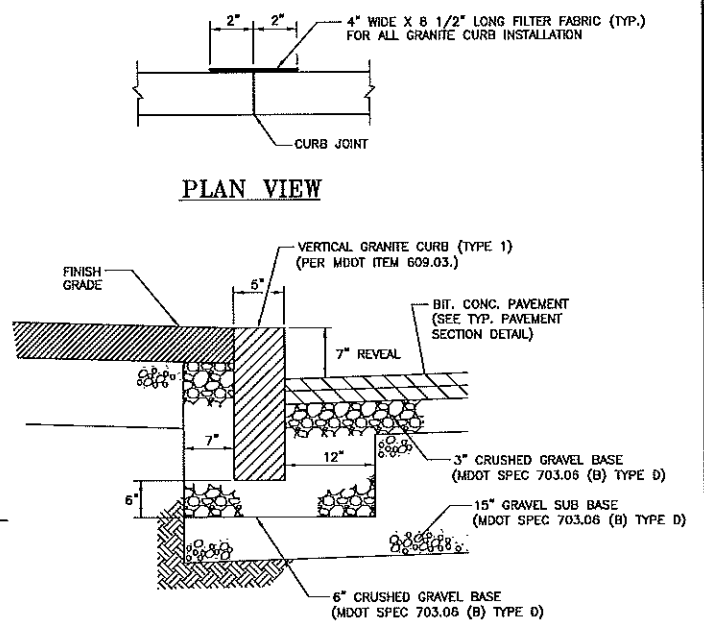
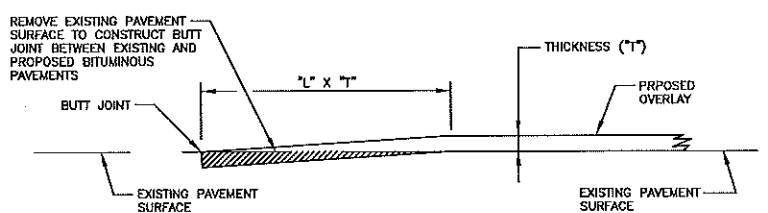


**TYPICAL ROAD CROSS SECTION**  
NOT TO SCALE

- NOTES:**
- 1) LOAM AND SEED SHALL BE IN ACCORDANCE WITH MDT SPECIFICATIONS 615 AND 618, METHOD #1.
  - 2) AGGREGATE SUBBASE SHALL BE IN ACCORDANCE WITH MDT SPECIFICATIONS, SECTION 403 AND SHALL NOT CONTAIN PARTICLES OF ROCK EXCEEDING 6" IN ANY DIMENSION. MATERIAL FOR ROAD EMBANKMENT SHALL BE SUITABLE EXCAVATED MATERIAL APPROVED BY TOWN INSPECTOR AND MUST MEET MDT SPECIFICATION 703.19 GRANULAR BORROW. SUITABLE GRANULAR FILL MATERIAL SHALL CONSIST OF HARD DURABLE MINERALS LESS VERY FINE SANDS, SILT, CLAY OR ORGANIC MATERIALS. MATERIAL IS TO BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES. COMPACTION SHALL BE ACHIEVED BY MECHANICAL MEANS OF A "DYNAPAC", RIDING ROLLER, OR TRACKING WITH HEAVY EQUIPMENT.
  - 3) ENTIRE WIDTH OF ROAD AND SHOULDERS IS TO BE STRIPPED AND GRUBBED OF TOP SOIL, ORGANICS AND ALL DELETERIOUS MATERIAL. ALL STUMPS AND UNSUITABLE MATERIAL (IF ANY) SHALL BE REMOVED IF WITHIN 5 FEET OF FINISHED GRADE UNDER PAVED AREAS.
  - 4) SEE GRADING PLAN & PROFILE FOR GRADING INTENT.
  - 5) ALL PROPOSED INFRASTRUCTURE LOCATED WITHIN THE ROAD RIGHT OF WAY SHALL MEET CITY OF PORTLAND TECHNICAL MANUAL STANDARDS.



**VERTICAL GRANITE CURB DETAIL**  
N.T.S.



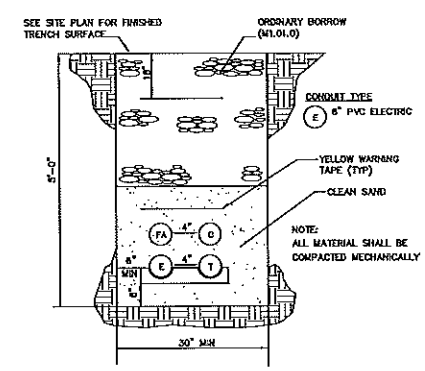
DESIGN OR POST SPEED (MPH)	65	60	55	50	45	40	35	30	25
"L" IN FEET/INCH OF THICKNESS	65	60	55	50	45	40	35	30	25

- NOTES:**
1. THE ABOVE LENGTHS ARE INTENDED FOR PROFILE GRADES OF 2% OR LESS. WHEN PROFILE GRADES ARE GREATER THAN 2%, "L" MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WHEN DIRECTED BY THE RESIDENT.
  2. WHEN CONSTRUCTING BUTT JOINTS AT INTERSECTIONS OR RAMP, "L" SHALL BE 18 FT/INCH OF THICKNESS UNLESS OTHERWISE DIRECTED BY THE RESIDENT.
  3. SPECIAL ATTENTION SHALL BE PAID TO CURB SECTIONS TO ASSURE PROPER DRAINAGE AND THAT THERE ARE NO FLAT AREAS. "L" MAY BE ADJUSTED TO SUIT FIELD CONDITIONS WHEN DIRECTED BY THE RESIDENT.

**PAVEMENT OVERLAY BUTT JOINT DETAIL (ROADWAYS)**  
NOT TO SCALE

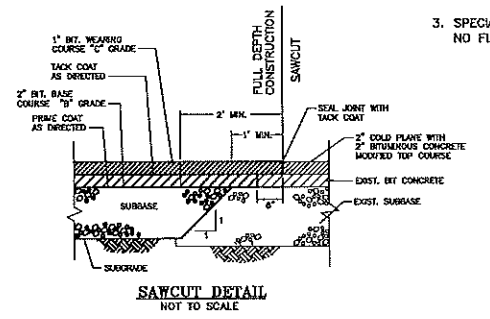
TRAFFIC SIGNS						
IDENTIFICATION NUMBER	SIGN HEIGHT	SIGN WIDTH	POST PER SIGN	TEXT	NUMBER OF SIGNS PER FOOT	REMARKS
R1-1	24"	24"	1		1	4.0 4.0 PER MUTCD

NOTE: ALL SIGNS SHALL CONFORM TO MUTCD STANDARDS AND MDT ITEM 645

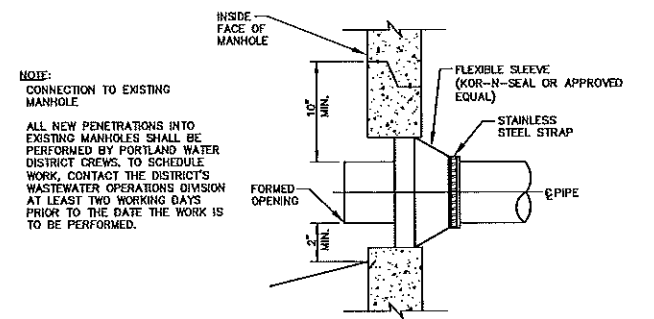


\*ALL ROAD CROSSINGS AND DRIVEWAY CROSSINGS SHALL BE IN CONDUIT AS APPROVED BY PROVIDER.  
ALL TRENCH CONDUITS SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED

**COMMON TRENCH DETAIL**  
**ELECTRIC/TELEPHONE/FIRE ALARM/CABLE**  
NOT TO SCALE

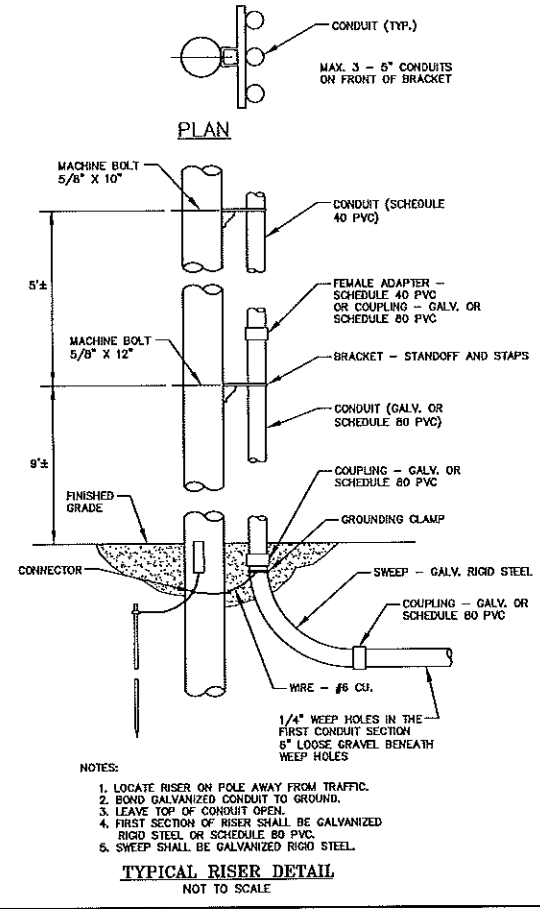


**SAWCUT DETAIL**  
NOT TO SCALE



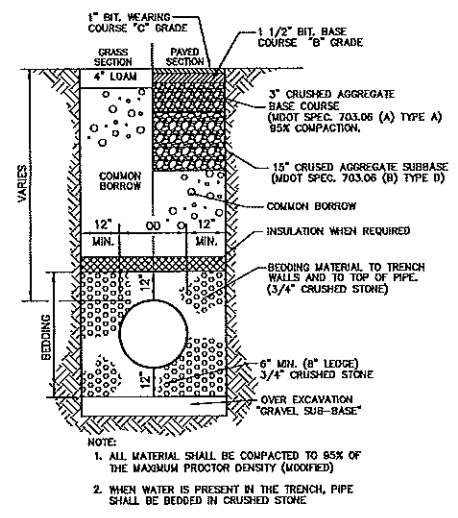
NOTE: CONNECTION TO EXISTING MANHOLE. ALL NEW PENETRATIONS INTO EXISTING MANHOLES SHALL BE PERFORMED BY PORTLAND WATER DISTRICT CREWS. TO SCHEDULE WORK, CONTACT THE DISTRICT'S WASTEWATER OPERATIONS DIVISION AT LEAST TWO WORKING DAYS PRIOR TO THE DATE THE WORK IS TO BE PERFORMED.

**NEW PIPE TO EXISTING MANHOLE CONNECTION DETAIL - 4" TO 24"**  
NOT TO SCALE

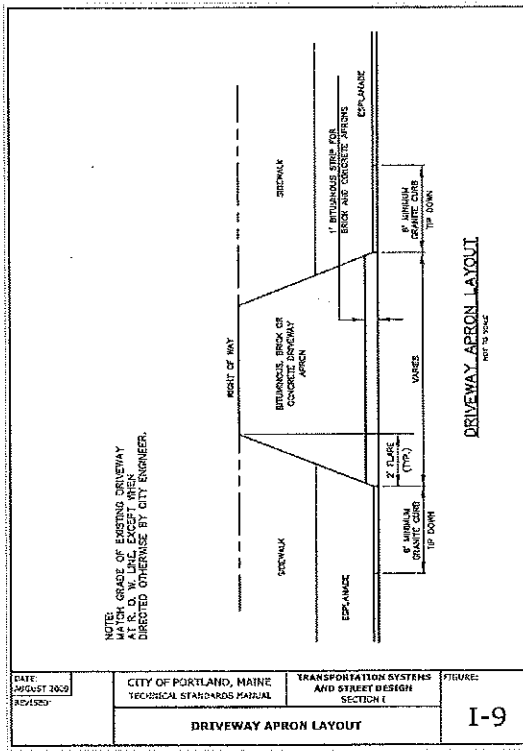


- NOTES:**
1. LOCATE RISER ON POLE AWAY FROM TRAFFIC.
  2. BOND GALVANIZED CONDUIT TO GROUND.
  3. LEAVE TOP OF RISER OPEN.
  4. FIRST SECTION OF RISER SHALL BE GALVANIZED RIGID STEEL OR SCHEDULE 80 PVC.
  5. SWEEP SHALL BE GALVANIZED RIGID STEEL.

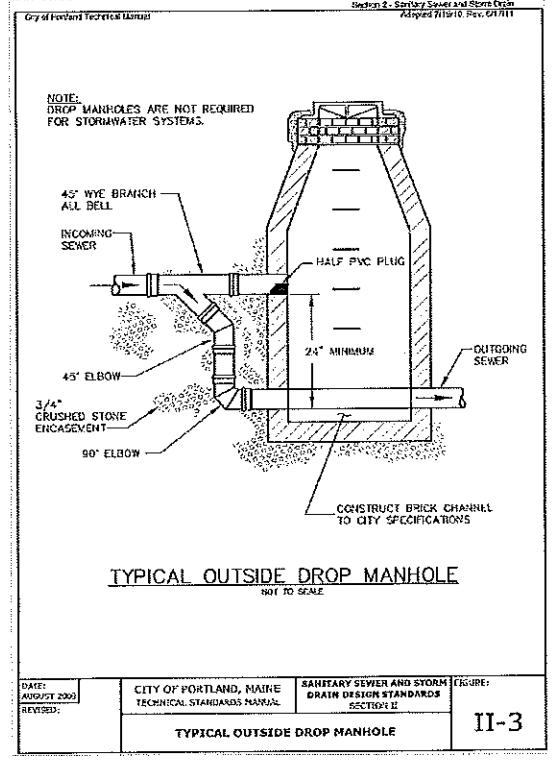
**TYPICAL RISER DETAIL**  
NOT TO SCALE



**TYPICAL TRENCH SECTION DETAIL**  
NOT TO SCALE



**DRIVEWAY APRON LAYOUT**  
I-9



**TYPICAL OUTSIDE DROP MANHOLE**  
NOT TO SCALE

Revised	By	Date	Change
5	SMA	3/11/13	REVISED OWNER/APPLICANT
2	SMA	11/18/11	REVISED PER PEER REVIEW COMMENTS
1	SMA	10/14/11	REVISED PER TOWN COMMENTS

PROJECT NUMBER: 33229.02 ACAD FILE: 33229-DETAILS.DWG SCALE: NTS DATE: AUGUST 4, 2014

**CONSTRUCTION DETAILS - SHEET 1**

Project Name and Location:  
**PAMELA ROAD EXTENSION**  
PAMELA ROAD, PORTLAND, MAINE 04101

Prepared For:  
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**SHEET 8 OF 12**