



**"NOTE": ST. OF VT CONTRACTORS/UTILITY CONTRACTORS**  
 I. Any Contractor or Excavator Working Near Gas Lines - to conform to VGS Specifications & Requirements - Working in the Vicinity of Gas Lines  
 II. All Live Gas Lines within 150' Radius of Blasting to be Leak Surveyed immediately before & immediately after Blasting  
 III. VGS Not Responsible for Ledge Removal for Installation of New Gas - All Ledge Removal Required (if Any) for Gas Installation to be Performed by St. of VT Entities

**"NOTE": STA. 15+44-15+55 LT.: VGS ENTITIES-PH III & IV**  
 All Subbase Material to be Retained/Separated and backfilled to Original State. Compaction to Meet St. of VT Requirements. See "VGS WORK" to the Right & Below.

**VGS PROPOSED WORK - STA. 14+50-16+50**  
**NEW MAIN/SERVICES/MATERIALS**  
 PH. III - STA. 14+50-15+05 RT.: New 4" Drisco to be Inst. by VGS Contractor after Ledge Areas Removed by St. of VT Contractor  
 "SEE CROSS SEC. SH. 2A"  
 "New 4" Gas to be Energized by VGS Personnel after Rd. Base Work Completed - (PH. IV) - Pressure Test to Remain Intact & Monitored by VGS Personnel Until New 4" Gas Energized"  
 Sta. 14+50-15+05 23' RT. Sta. 15+05 23' RT. - 47' RT.: See Cross Sec. Sh. 2A - Sec. 15+00

**"NOTE": All Tracer Wire in 1/2" PE Sleeve at Same Depth as New 4" PE Gas, 1' Sand or Clay Padding Surrounding New 4" PE Gas Required**  
**"NOTE": Also See Sh. 2 of 3 - "Proposed New Gas" for additional details**  
 PH. III - STA. 15+05-16+50 47' RT.: New 4" Drisco Gas to be Inst. by VGS Contractor after New Rd. Const. by St. of VT Contractor completed Here -> See "NOTES" (2) Directly Below  
 "SEE CROSS SEC. SH. 2A"  
 "New 4" PE Gas to be Charged by VGS Personnel from Exist. & Ph. I Gas -> PH. IV -> Pressure Test to Remain Intact & Monitored by VGS Personnel Until New 4" PE Charged.  
**"NOTE": All Tracer Wire in 1/2" PE Sleeve at Same Depth as New 4" PE Gas - 1' Sand or Clay Padding Surrounding New 4" PE Gas Required**  
**"NOTE": Also See Sh. 2 of 3 - "Proposed New Gas" for additional details**

PH. II - STA. 14+80 63' RT. - 15+46 11.2' RT.: New 1/2" Drisco Serv. Section for #53 Upper Main St. to be Inst. & charged by VGS Personnel Prior to New Rd. Const. -> "Do Not Inst. Flow Lim. at Exist. 4" PE Main (Inst. 11/85) - Sta. 15+46 11.2' RT."  
**"NOTE": See Cross Sec. Sh. 2A - Sec. 15+00 & 15+50 For Elev. & Add. Details, See #53 Upper Main Serv. Card**  
 Sta. 14+80 63' RT. - 15+08 47' RT.: Permanent Loc. -> New 1/2" PE Gas to be Reconnected to Exist. 1/2" PE Gas at Sta. 14+80 63' RT. -> See (1) "New 1/2" PE Gas to be Reconnected to New 4" PE Live Gas Main at Sta. 15+08 47' RT. by VGS Personnel" -> PH. IV -> See (2)  
 Sta. 15+09 47' RT. - 15+46 11.2' RT.: Temporary Loc. -> New 1/2" PE Gas to be Retired w/ 4" PE Main (Inst. 11/85) -> "Ph. V" -> See "Proposed Retirements" & (2) Below

PH. III - STA. 15+50 47' RT. - 48' LT.: New 2" Drisco Rd. Cross. - 54" in 4" Sch. 40 PVC Casing Under Rt. 15 - Locator Wire in 1/2" PE Sleeve thru 4" PVC Casing (22' RT - 32' LT.)  
 22' RT. - 32' LT.: 4" Sch. 40 PVC Casing to be Inst. by St. of VT Contractor during New Rd. Base Work -> VGS to supply Casing Materials -> See VGS Casing Detail (8 1/2" x 11" Sh.) For Installation Instructions  
 PH. III: 47' RT. - 48' LT.: 2" Drisco Gas w/ 1/2" PE Sleeved Loc. Wire to be Inst. by VGS Contractor After New Rd. Base/Grading & Gas Casing Installation completed Here -> "2" Gas to be charged by VGS Personnel" -> "PH. IV" -> Pres. Test to Remain Intact Until charged  
**"NOTE": 47' RT. - 48' LT.: All Tracer Wire in 1/2" PE Sleeve at Same Depth as New 2" PE Gas - 1' Sand or Clay Padding Surrounding New 2" PE Gas & 4" PVC Casing Required**  
 "SEE CROSS SEC. SH. 2A - SEC. 15+50"

PH. III - STA. 15+44-15+55 48' LT.: New 2" Drisco Gas to be Inst. by VGS Contractor After New Rd. Base Work by St. of VT Contractor completed Here. -> "2" Gas to be charged by VGS Personnel" -> "PH. IV" -> Pres. Test to Remain Intact Until 2" PE Charged  
**"NOTE": All Tracer Wire to be Inst. in 1/2" PE Sleeve at Same Depth as New 2" PE Gas - 1' Sand or Clay Padding Surrounding New 2" PE Gas Required**  
 "SEE CROSS SEC. SH. 2A - SEC. 15+50"

- NEW FITTINGS/MATERIALS - "NOTE": See Above for Info relating to Items (1) thru (10) below**
- Ph. III - Sta. 15+05 23' RT. & 47' RT.: 4" x 900 PE Ell - Loc. Box w/Wire over Ell
  - Ph. II - Sta. 15+09 47' RT. - 15+46 11.2' RT.: Temp. 1/2" Drisco Serv. Section for #53 Upper Main St. -> TO BE RETIRED - PH. V - SEE "NEW SERVICES - PH. II - STA. 14+80 63' RT. - 15+46 11.2' RT." Above. New 4" x 1" PE Tee w/ 1" x 1/2" PE Reducer at Sta. 15+46 11.2' RT. - to be Retired - Ph. V.
  - Ph. IV - Sta. 15+08 47' RT.: 4" x 1/2" PE Tee w/ Flow Limiter by VGS Personnel
  - Ph. III - Sta. 15+50 47' RT.: 4" x 4" PE Tee Fused to a 4" x 2" PE Reducer, Locator Box w/Wire Over Tee
  - Ph. III - Sta. 15+50 43.5' RT.: 2" PE Ball Valve w/H.H.
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  - Ph. III - Sta. 15+55 48' LT.: End New 2" PE Main w/ 2" P. Ft. Cap, Loc. Box w/Wire Over End
  - Ph. III - Sta. 16+00 47' LT.: 4" PE Ball Valve w/H.H.
  - Ph. III - Sta. 15+50 22' RT.: End of 4" Sch. 40 PVC Casing - Foam End Seal
  - Ph. III - Sta. 15+50 32' LT.: End of 4" Sch. 40 PVC Casing - Foam End Seal
  - Ph. III - Sta. 15+50 48' LT.: 2" x 2" x 2" PE Tee - Locator Box w/Wire Over Tee
  - Ph. III - Sta. 15+44 48' LT.: End New 2" PE Main w/ 2" P. Ft. Cap, Loc. Box w/Wire Over End
  - Ph. IV - Sta. 15+47 48' LT.: Reconnect Exist. 1/2" PE Serv. to #48 Upper Main to New 2" PE Main w/ New 2" x 1/2" PE Tap Tee & Flow Lim. -> 5' East of Here -> See (2) Under "Proposed Retirements" Below Left, See Cross Sec. Sh. 2A - Sec. 15+50, See Serv. Card

**"NOTE": STA. 15+05-17+00 RT. - PH. III GAS CONST.**  
 VGS CONTRACTOR NOT RESPONSIBLE FOR SUBBASE MATERIAL OR COMPACTION REQUIREMENTS DURING GAS CONSTRUCTION -> SUBBASE MATERIAL & COMPACTION TO BE THE RESPONSIBILITY OF ST. OF VT CONTRACTOR DURING GAS CONSTRUCTION HERE

**VGS PROPOSED WORK**  
**RECONNECTIONS**  
 (14) - PH. II - STA. 14+80 63' RT.: Reconnect Exist. 1/2" PE Serv. to #53 Upper Main to New 1/2" PE Serv. Section, N. West of Here -> See (2) Under "Proposed Retirements" to the Right, Refer to "New Services" & "New Material" Above Right, See Cross Sec. Sh. 2A - Sec. 15+00, See Serv. Card.  
 PH. IV - STA. 15+47 48' LT.: See (1) Under "New Fittings" Above Right

**VGS PROPOSED WORK**  
**PROPOSED RETIREMENTS - "NOTE": Also Refer to (2) Above**  
 PH. II - STA. 14+50-15+45 RT.: - 4" -> VGS Personnel to Retire 4" Drisco (Inst. 11/85) -> To be Retired after "PH. II - New Gas" - Sta. 14+80 63' RT. - 15+47 11.2' RT. has been Inst./Energized & Ph. II Exist. Gas Reconnection - (14) - Sta. 14+80 63' RT. has been Completed/Energized, To be Retired Prior to Any Blasting for Ledge Removal & Prior to New Road Const. -> "See Cross Sec. Sh. 2A"  
 PH. V - STA. 15+45-16+50 RT.: - 4" -> VGS Personnel to Retire 4" Drisco (Inst. 11/85) -> To be Retired after Ph. I-IV have been Completed, To be Retired after Ph. III - "New Gas" - Sta. 15+50 47' RT. - 48' LT. / Sta. 15+44-15+55 48' LT. has been Inst./Energized & Ph. IV - "Exist. Gas Reconnection" - (10) - Sta. 15+47 48' LT. has been Completed/Energized, To be Retired Prior to New Road Const. at Sta. 18+50 -> N. East & Beyond -> See Sh. 2 of 3, "See Cross Sec. Sh. 2A"  
 (A) - PH. II - STA. 14+80 63' RT. - 14+82 11.2' RT.: Retire 1/2" PE Serv. Section to #53 Upper Main w/ 4" Drisco (Inst. 11/85) -> See "Proposed Retirement" Above - PH. II - Sta. 14+50-15+45 RT.: See Serv. Card, See Cross. Sec. Sh. 2A - Sec. 15+00  
 (B) - PH. II - STA. 15+45 11.5' RT.: Ph. II: Cap 4" Drisco (Inst. 11/85) -> w/ 4" x 2" Red. & 2" P. Ft. Cap - See (2) Below - Retire 4" Drisco (Inst. 11/85) West of Cap -> See PH. II - STA. 14+50-15+45 RT. Retirement Above; PH. V: "RETIRE CAP" w/ 4" Drisco (Inst. 11/85) -> See "Ph. V - STA. 15+45-16+50 RT. Retirement" Above  
 (C) - PH. V - STA. 15+47 11' RT. - 48' LT.: Retire 1/2" PE Serv. Red. Cross. to #48 Upper Main (1" LT. - 40' LT. in 1 1/4" Base Steel Casing) w/ 4" Drisco (Inst. 11/85) -> See "Ph. V - STA. 15+45-16+50 RT. Retirement" Above, See (2) Below, See Cross. Sec. Sh. 2A - Sec. 15+50, See Serv. Card  
 (D) - PH. II - STA. 15+47 11' RT.: Ph. II: Cut & Remove Flow Lim. fr. -> Reconnect -> Use 1" x 1/2" PE Red. & 1" of 1/2" PE Pipe -> See (2) Above, Refer to (2) Above, Also See (2) Above  
 (E) - PH. V - STA. 15+58 9.5' RT.: Retire 4" PE Ball Valve & Loc. Box w/Wire (Both Inst. 11/85) -> See "Ph. V - STA. 15+45-16+50 RT. Retirement" Above

**ST. OF VT. ROAD CONSTRUCTION 1991**  
 (Circ. Hwy - Route 289)  
 Gas Design: 7/1/91 - VGS - 1/91 -> Revised 5/91 by 7/1/91.  
 Also Refer to Sh. 2 of 3  
**MEDIUM PRESSURE**  
**VERMONT GAS SYSTEM INC.**  
**NATURAL GAS PIPELINE**  
**UPPER MAIN ST. ROUTE 15**  
**"DETAIL SHEET": STA. 14+50-16+50**  
 TOWN OF ESSEX  
 DWN. BY: 7/1/91. DATE: 1/91  
 SCALE: 1" = 10' SHEET: 2A