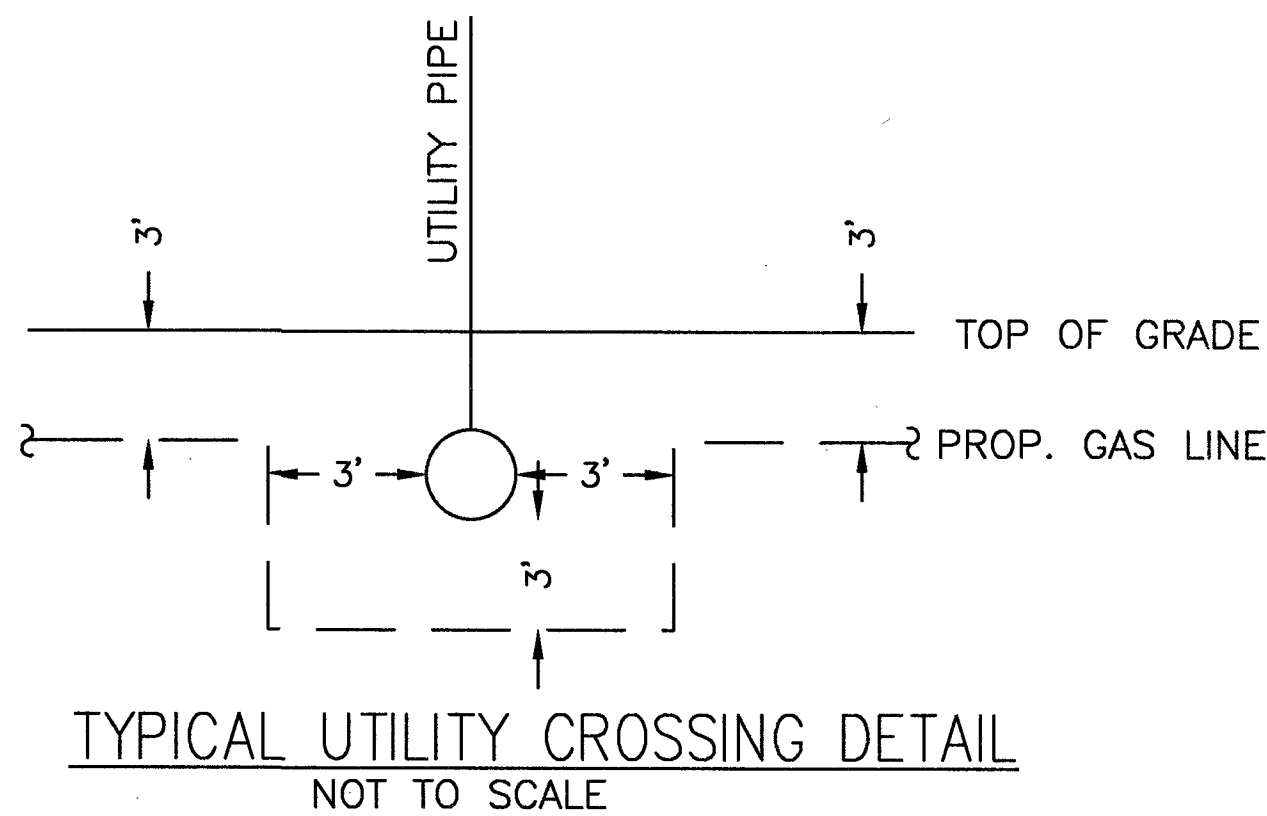


| MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES |                  |                    |           |                     |
|----------------------------------------------------|------------------|--------------------|-----------|---------------------|
| ITEM#                                              | QTY.<br>(DESIGN) | QTY.<br>(AS-BUILT) | STOCK ID# | DESCRIPTION         |
| ①                                                  | 1,288'           |                    | 100-5101  | 2" PE MAIN          |
| ②                                                  | 1                |                    | 140-3532  | 2" PE COUPLING      |
| ③                                                  | 2                |                    | 140-3074  | 2" PE FULL FLOW TEE |
| ④                                                  | 3                |                    | 140-3060  | 2" PE CAP           |
|                                                    |                  |                    |           |                     |
|                                                    |                  |                    |           |                     |
|                                                    |                  |                    |           |                     |

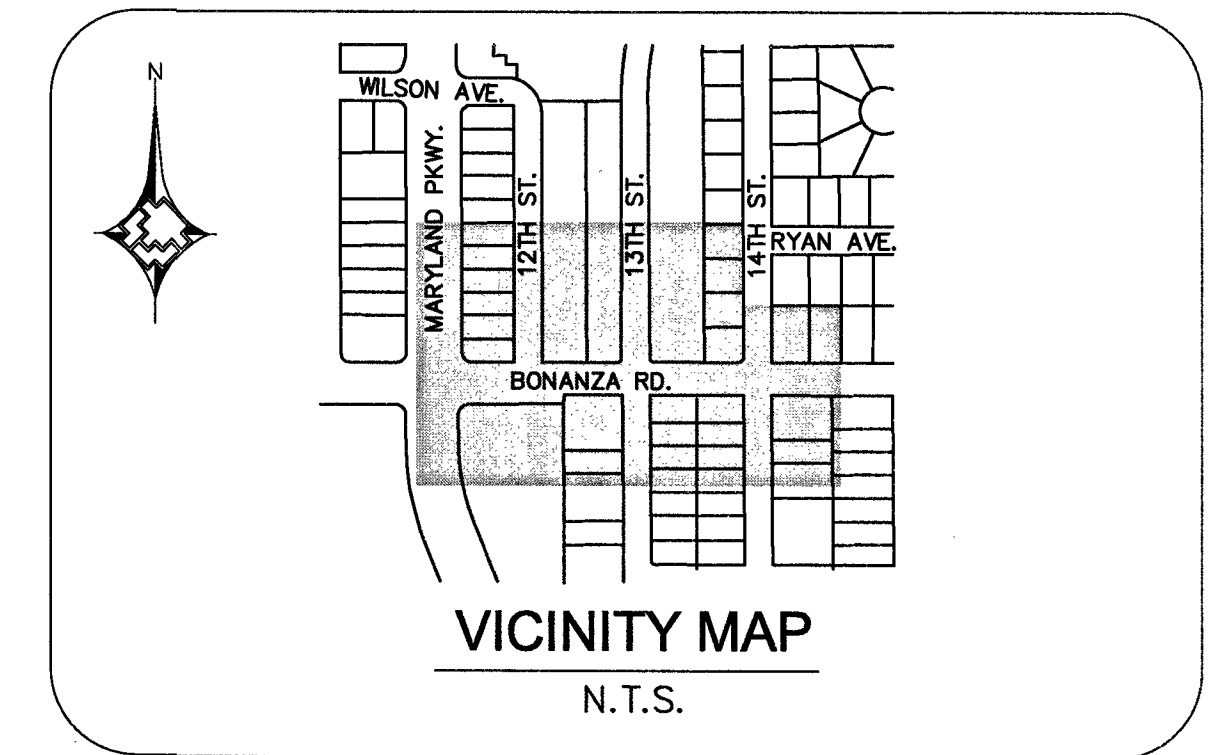
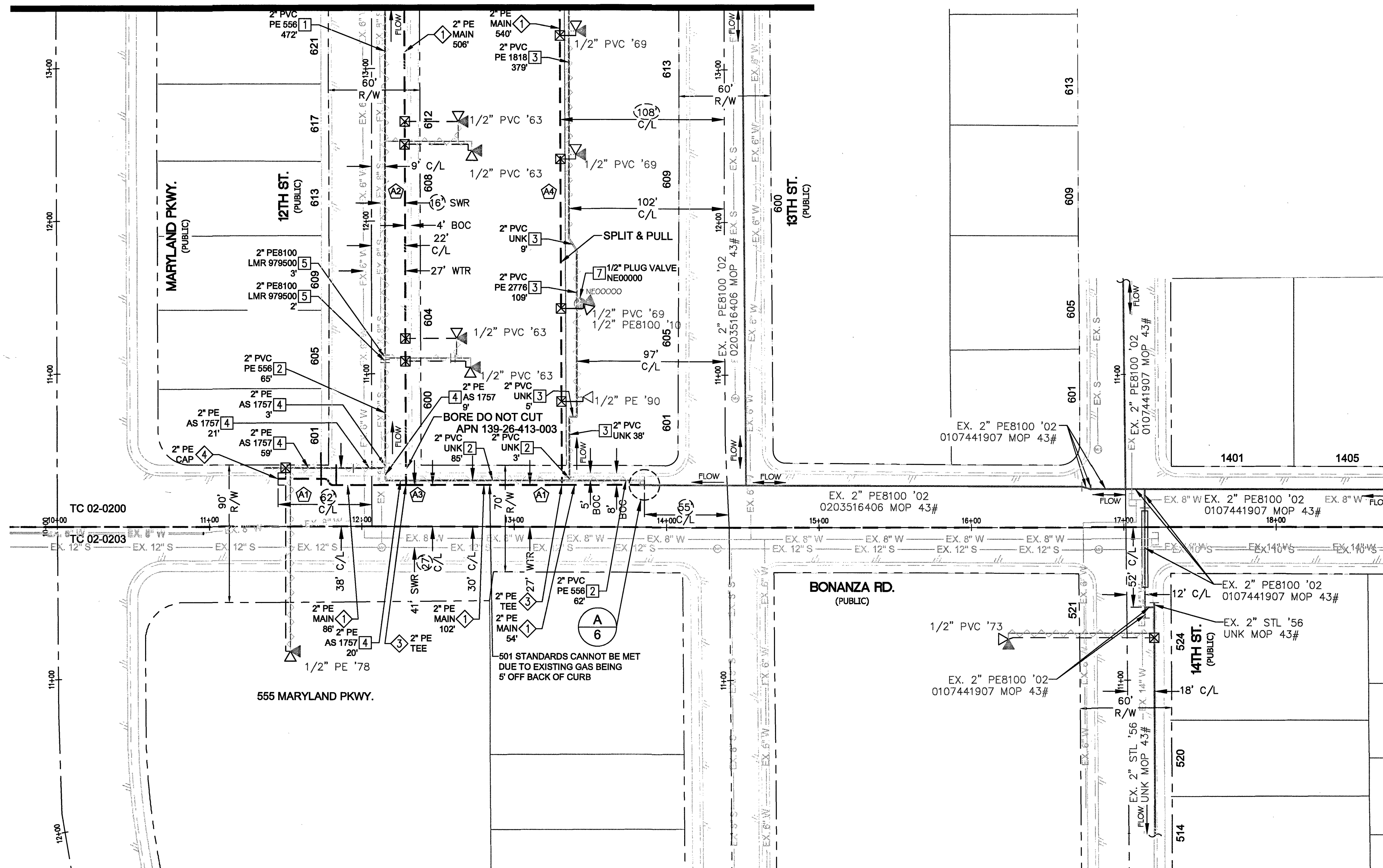
| MATERIAL LIST FOR ABANDONED FACILITIES |                  |                    |           |                                         |
|----------------------------------------|------------------|--------------------|-----------|-----------------------------------------|
| ITEM#                                  | QTY.<br>(DESIGN) | QTY.<br>(AS-BUILT) | STOCK ID# | DESCRIPTION                             |
| 1                                      | 489'             |                    | 3760602   | ABANDON EX. 2" PVC '62 MOP 43#          |
| 2                                      | 218'             |                    | 3760602   | ABANDON EX. 2" PVC '63 MOP 43#          |
| 3                                      | 540'             |                    | 3760602   | ABANDON EX. 2" PVC '69 MOP 43#          |
| 4                                      | 112'             |                    | 3760102   | ABANDON EX. 2" PE '78 MOP 43#           |
| 5                                      | 5'               |                    | 3760102   | ABANDON EX. 2" PE '00 MOP 43#           |
| 6                                      | 6'               |                    | 3760102   | ABANDON EX. 2" PE '02 MOP 43#           |
| 7                                      | 1                |                    | -         | ABANDON EX. 1/2" PE PLUG VALVE# NE00000 |
|                                        |                  |                    |           |                                         |
|                                        |                  |                    |           |                                         |



1



MATCHLINE - SEE SHEET 5



| MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES |           |                     |
|----------------------------------------------------|-----------|---------------------|
| ITEM#                                              | STOCK ID# | DESCRIPTION         |
| 1                                                  | 100-5101  | 2" PE MAIN          |
| 3                                                  | 140-3074  | 2" PE FULL FLOW TEE |
| 4                                                  | 140-3060  | 2" PE CAP           |
|                                                    |           |                     |
|                                                    |           |                     |
|                                                    |           |                     |

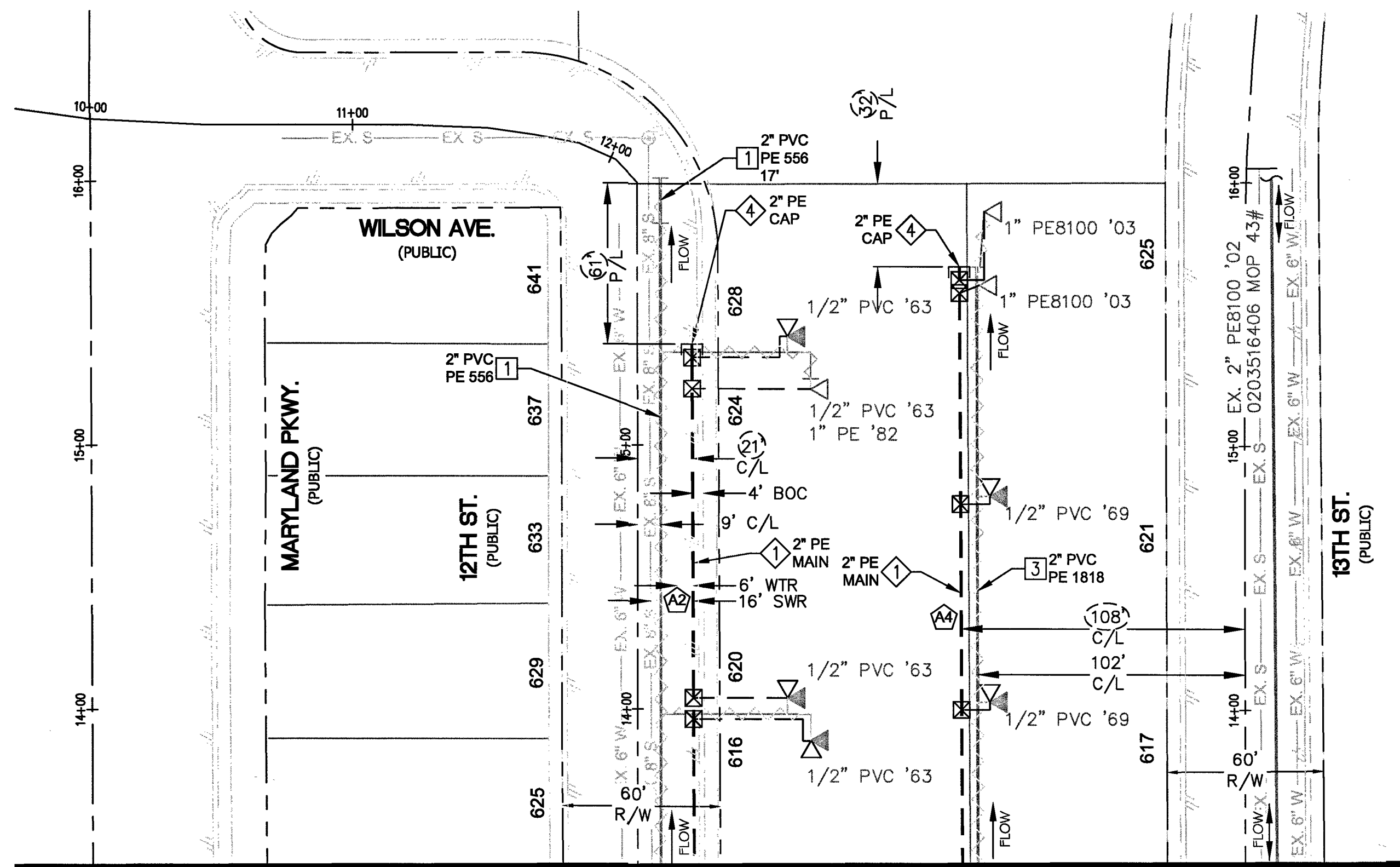
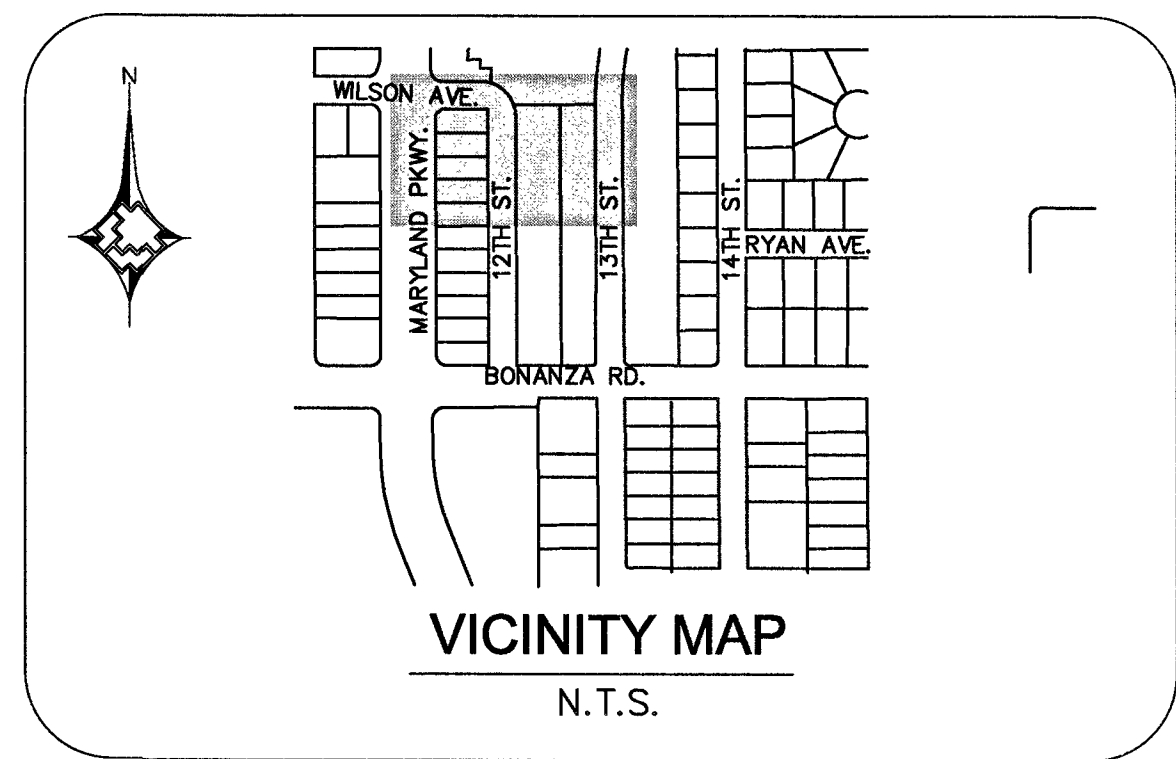
| MATERIAL LIST FOR ABANDONED FACILITIES |           |                                        |
|----------------------------------------|-----------|----------------------------------------|
| ITEM#                                  | STOCK ID# | DESCRIPTION                            |
| 1                                      | 3760602   | ABANDON EX. 2" PVC '62 MOP 43#         |
| 2                                      | 3760602   | ABANDON EX. 2" PVC '63 MOP 43#         |
| 3                                      | 3760602   | ABANDON EX. 2" PVC '69 MOP 43#         |
| 4                                      | 3760102   | ABANDON EX. 2" PE '78 MOP 43#          |
| 5                                      | 3760102   | ABANDON EX. 2" PE '00 MOP 43#          |
| 7                                      |           | ABANDON EX. 2" PE PLUG VALVE# NE000000 |
|                                        |           |                                        |
|                                        |           |                                        |



**RTC NOTES:**  
PAVEMENT REPAIR SHALL CONFORM TO RTC:

- A1 500.3
- A2 500.4
- A3 500.5
- A4 503

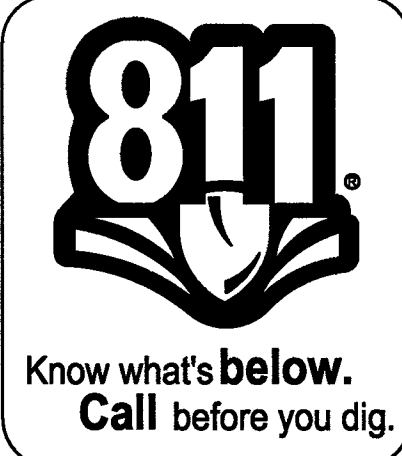
| <div>1. <table><tr><th>NO.</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th><th>APPVD.</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table></div> |                                   |                                               |      | NO.    | DESCRIPTION | BY | DATE | APPVD. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <div>AS-BUILT DRAWING-PRESSURE TEST DATA</div> <table><tr><th>PIPE DIA.</th><th>TEST MEDIUM</th><th>TEST METHOD</th><th> </th></tr><tr><td> </td><td><input type="checkbox"/> AIR</td><td><input type="checkbox"/> GAUGE</td><td> </td></tr><tr><td> </td><td><input type="checkbox"/> NITROGEN</td><td><input type="checkbox"/> CHART</td><td> </td></tr><tr><td> </td><td><input type="checkbox"/> WATER</td><td><input type="checkbox"/> GAUGE/ PRESS REC SN#</td><td> </td></tr><tr><td> </td><td><input type="checkbox"/> SOAP</td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table> | PIPE DIA. | TEST MEDIUM | TEST METHOD |  |  | <input type="checkbox"/> AIR | <input type="checkbox"/> GAUGE |  |  | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> CHART |  |  | <input type="checkbox"/> WATER | <input type="checkbox"/> GAUGE/ PRESS REC SN# |  |  | <input type="checkbox"/> SOAP |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------|------|--------|-------------|----|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|-------------|--|--|------------------------------|--------------------------------|--|--|-----------------------------------|--------------------------------|--|--|--------------------------------|-----------------------------------------------|--|--|-------------------------------|--|--|--|--|--|--|
| NO.                                                                                                                                                                                                                                                                                            | DESCRIPTION                       | BY                                            | DATE | APPVD. |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                   |                                               |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                   |                                               |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                   |                                               |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
| PIPE DIA.                                                                                                                                                                                                                                                                                      | TEST MEDIUM                       | TEST METHOD                                   |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> AIR      | <input type="checkbox"/> GAUGE                |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> CHART                |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> WATER    | <input type="checkbox"/> GAUGE/ PRESS REC SN# |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> SOAP     |                                               |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                   |                                               |      |        |             |    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |             |  |  |                              |                                |  |  |                                   |                                |  |  |                                |                                               |  |  |                               |  |  |  |  |  |  |



MATCHLINE - SEE SHEET 4

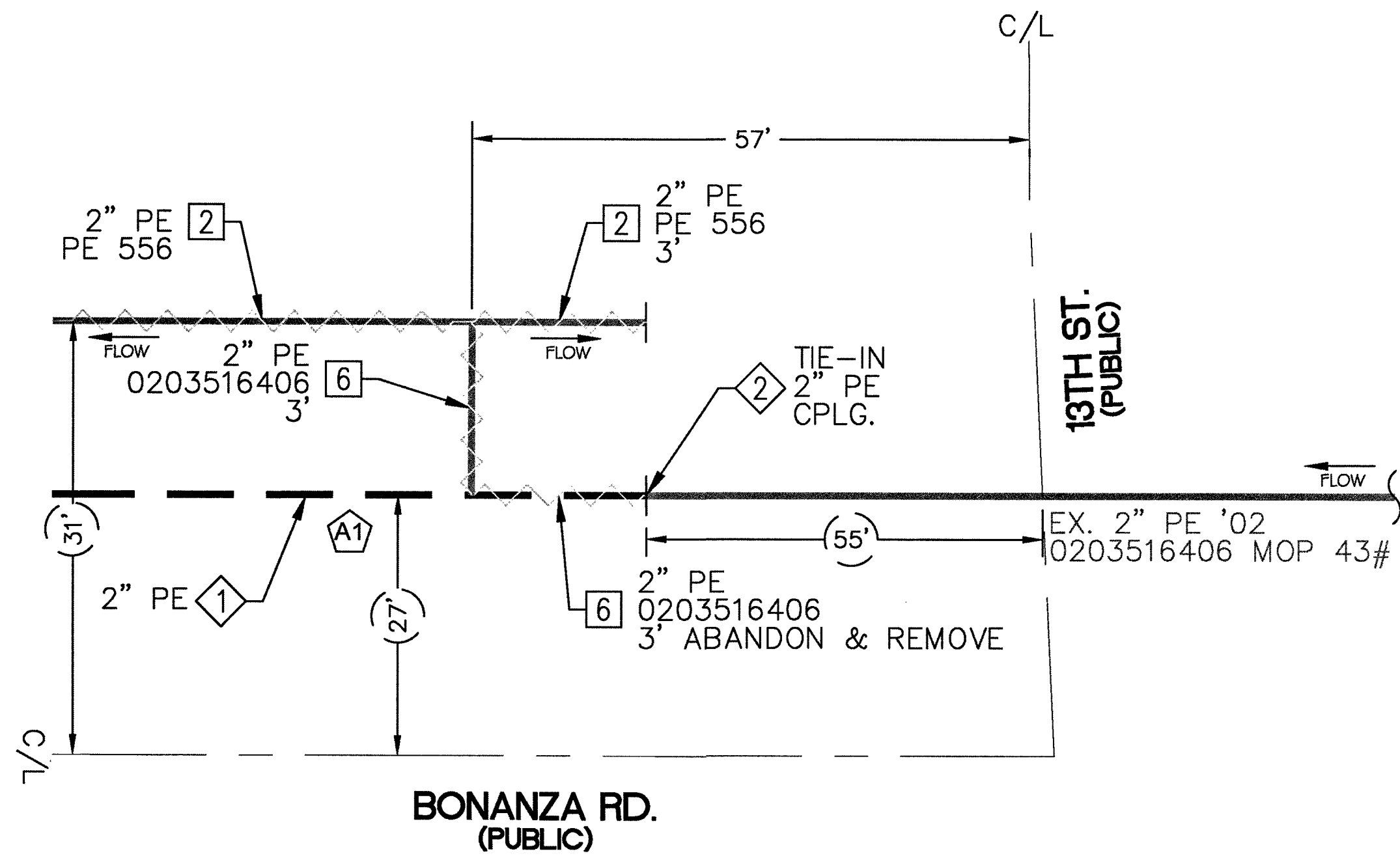
| MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES |           |             |
|----------------------------------------------------|-----------|-------------|
| ITEM#                                              | STOCK ID# | DESCRIPTION |
| 1                                                  | 100-5101  | 2" PE MAIN  |
| 4                                                  | 140-3060  | 2" PE CAP   |
|                                                    |           |             |
|                                                    |           |             |
|                                                    |           |             |

| MATERIAL LIST FOR ABANDONED FACILITIES |           |                                |
|----------------------------------------|-----------|--------------------------------|
| ITEM#                                  | STOCK ID# | DESCRIPTION                    |
| 1                                      | 3760602   | ABANDON EX. 2" PVC '62 MOP 43# |
| 3                                      | 3760602   | ABANDON EX. 2" PVC '69 MOP 43# |
|                                        |           |                                |
|                                        |           |                                |



RTC NOTES:  
PAVEMENT REPAIR SHALL CONFORM TO RTC:  
A1 500.3  
A2 500.4  
A3 500.5  
A4 503

|                                                                                                                                                                          |             |    |      |                                                                                                                 |             |    |      |                           |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                       |  |                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                             |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----|------|-----------------------------------------------------------------------------------------------------------------|-------------|----|------|---------------------------|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <div>1. <table><tr><td>NO.</td><td>DESCRIPTION</td><td>BY</td><td>DATE</td><td>APPVD.</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table></div> |             |    |      | NO.                                                                                                             | DESCRIPTION | BY | DATE | APPVD.                    |  |  |  |  |  | <div>AS-BUILT DRAWING-PRESSURE TEST DATA<br/>PIPE DIA. _____<br/>PIPE LENGTH _____<br/>PIPE TYPE _____<br/>MIN. DURATION _____<br/>TEST PRES. (PSIG) _____<br/>TIME _____<br/>DATE _____<br/>PERFORMED BY _____<br/>TEST MEDIUM: <input type="checkbox"/> AIR <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER <input type="checkbox"/> SOAP<br/>TEST METHOD: <input type="checkbox"/> GAUGE <input type="checkbox"/> CHART <input type="checkbox"/> GAUGE/PRESS REC SN# _____<br/>START _____<br/>END _____</div> |  |  |  | <div>VISUAL INSPECTION CERTIFICATION<br/>I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED.<br/>NAME _____<br/>DATE _____<br/>AS-BUILTS ACCEPTED BY _____ DATE _____<br/>POSTED BY _____ DATE _____<br/>POSTING QCD BY _____ DATE _____</div> |  |  |  | <div>CONSTRUCTION<br/>INSPECTOR _____<br/>FOREMAN _____<br/>REVIEWED BY _____<br/>PERMIT INFORMATION<br/>CITY OF LAS VEGAS<br/>TAX CODE 02-0200</div> |  | <div>ISOLATION AREA<br/>ISO_21_DIST_093<br/>LOCATION<br/>SEC26<br/>T20S R61E<br/>M.D.M.<br/>W.R. NO.<br/>3433913<br/>ATLAS #/TILE #<br/>x633y518</div> |  | <div>ENGINEER/TECHNICIAN RAMILO MENDOZA PHONE 702-365-2189<br/>ACCOUNT REP. _____ PHONE _____<br/>PROJECT CONTACT _____<br/>SHEET NO. 5 OF 7 SCALE: 1" = 40' DATE 03-26-2018<br/>DWN. BY SEI CHKD. BY _____ APPVD. BY _____<br/>TITLE<br/>GIR 2019-CLV-HILLTOP VILLAS<br/>DESIGN PLAN</div> |  |  |  |
| NO.                                                                                                                                                                      | DESCRIPTION | BY | DATE | APPVD.                                                                                                          |             |    |      |                           |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                       |  |                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                             |  |  |  |
|                                                                                                                                                                          |             |    |      |                                                                                                                 |             |    |      |                           |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                       |  |                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                             |  |  |  |
| <div>REVISIONS<br/>NO. DESCRIPTION BY DATE APPVD.</div>                                                                                                                  |             |    |      | <div>PROPERTY UNITS<br/>TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED<br/>PROPOSED COMPLETED</div> |             |    |      | SOUTHWEST GAS CORPORATION |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                       |  |                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                             |  |  |  |

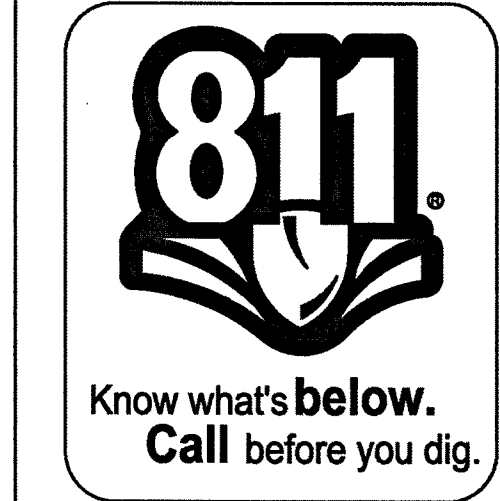


| MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES |           |                |
|----------------------------------------------------|-----------|----------------|
| ITEM#                                              | STOCK ID# | DESCRIPTION    |
| 1                                                  | 100-5101  | 2" PE MAIN     |
| 2                                                  | 140-3532  | 2" PE COUPLING |
|                                                    |           |                |
|                                                    |           |                |
|                                                    |           |                |

| MATERIAL LIST FOR ABANDONED FACILITIES |           |                                |
|----------------------------------------|-----------|--------------------------------|
| ITEM#                                  | STOCK ID# | DESCRIPTION                    |
| 2                                      | 3760602   | ABANDON EX. 2" PVC '63 MOP 43# |
| 6                                      | 3760102   | ABANDON EX. 2" PE '02 MOP 43#  |
|                                        |           |                                |
|                                        |           |                                |

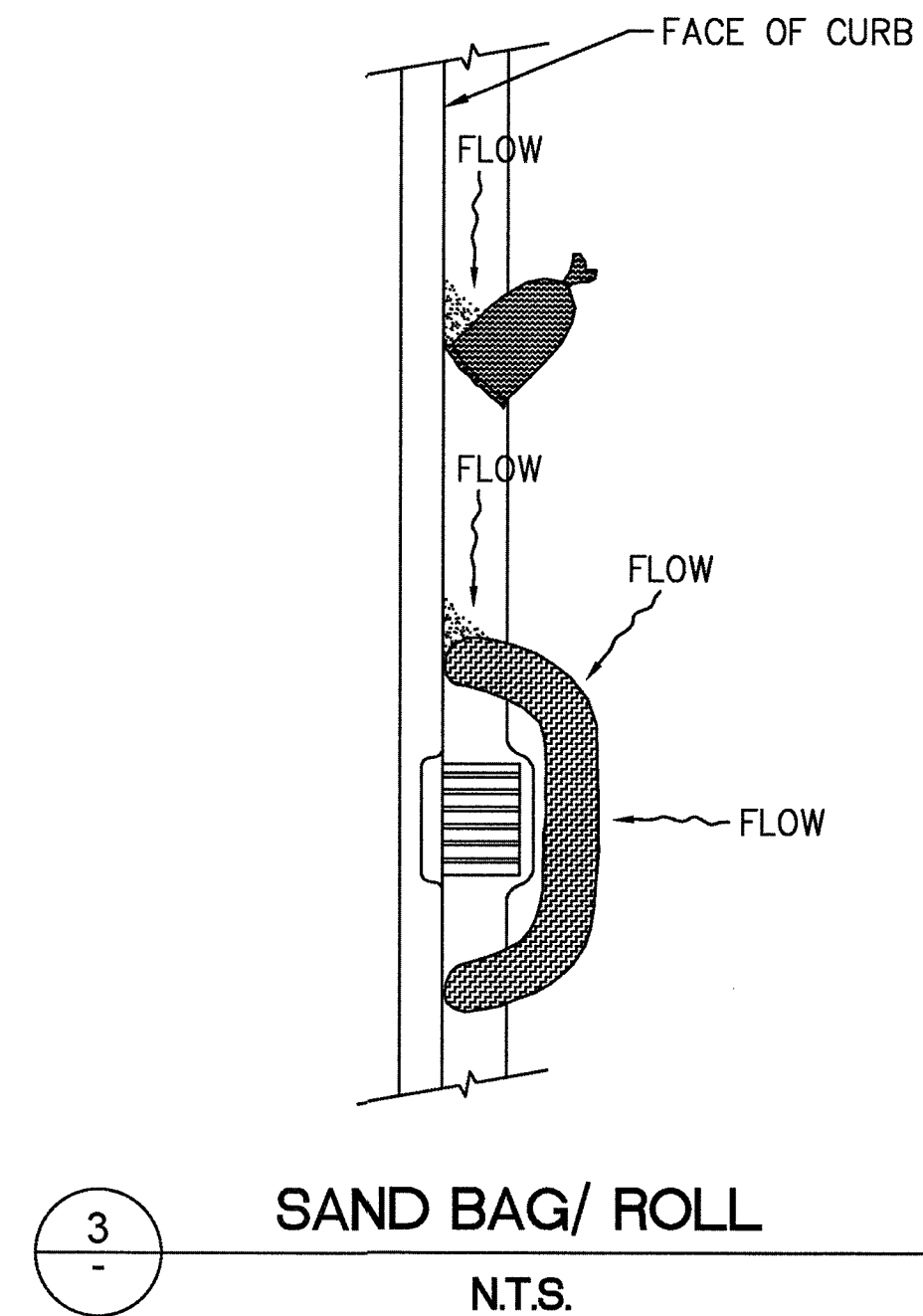
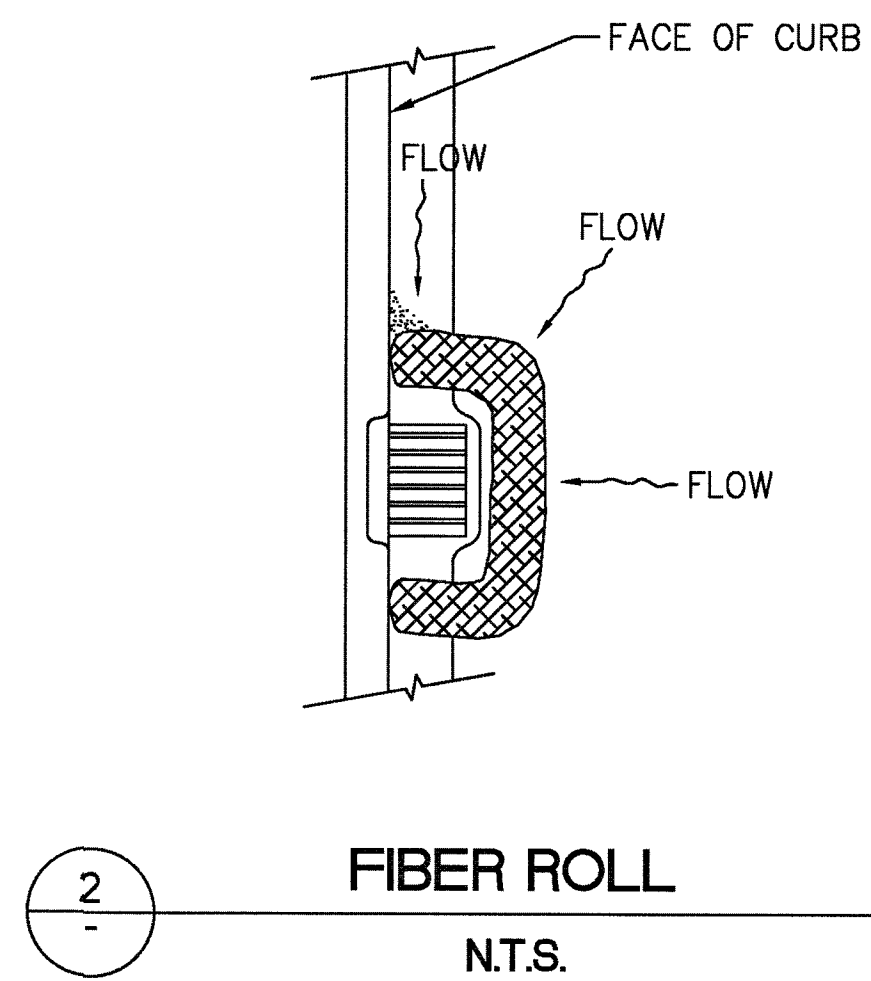
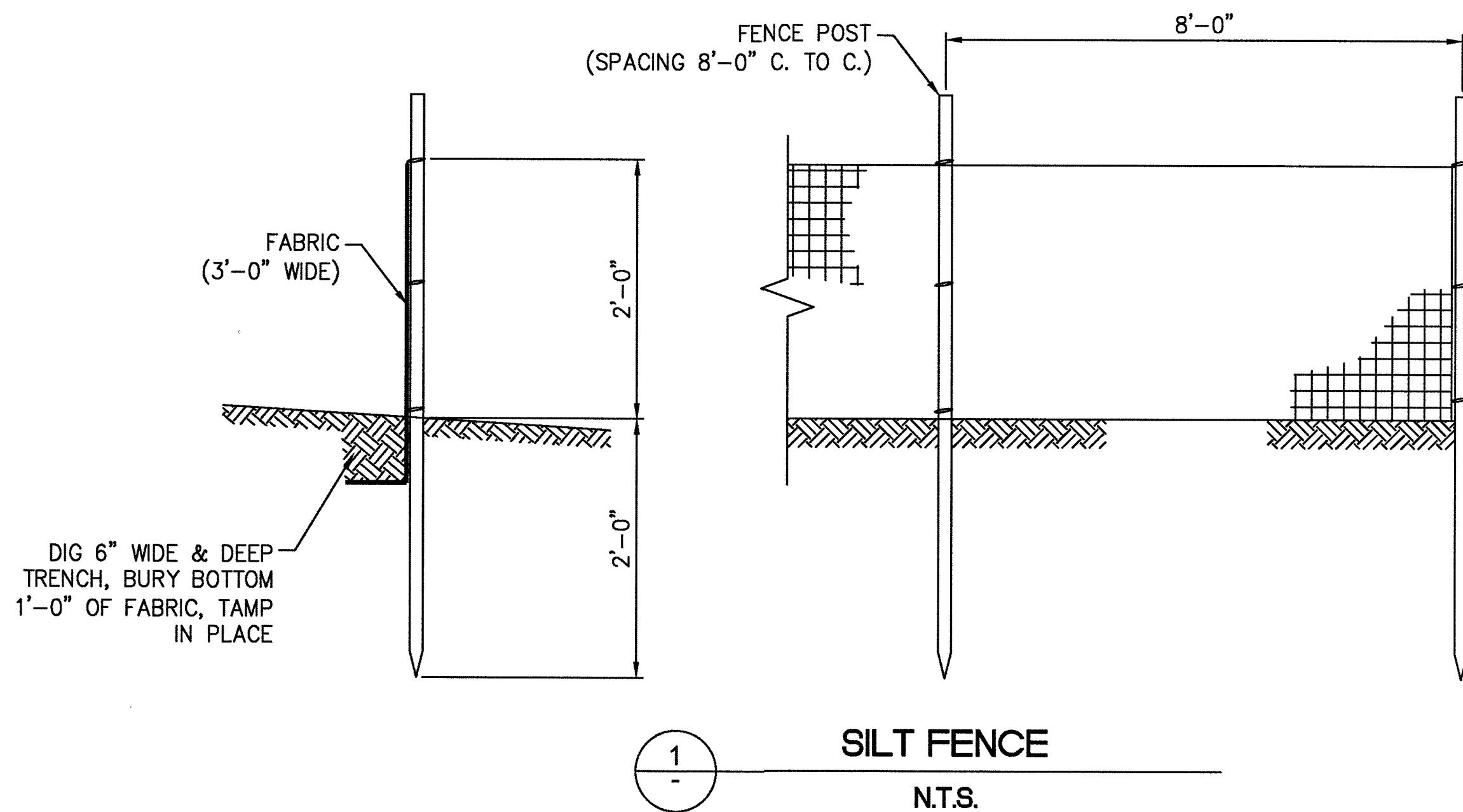
RTC NOTES:  
PAVEMENT REPAIR SHALL CONFORM TO RTC:

- A1 500.3
- A2 500.4
- A3 500.5
- A4 503

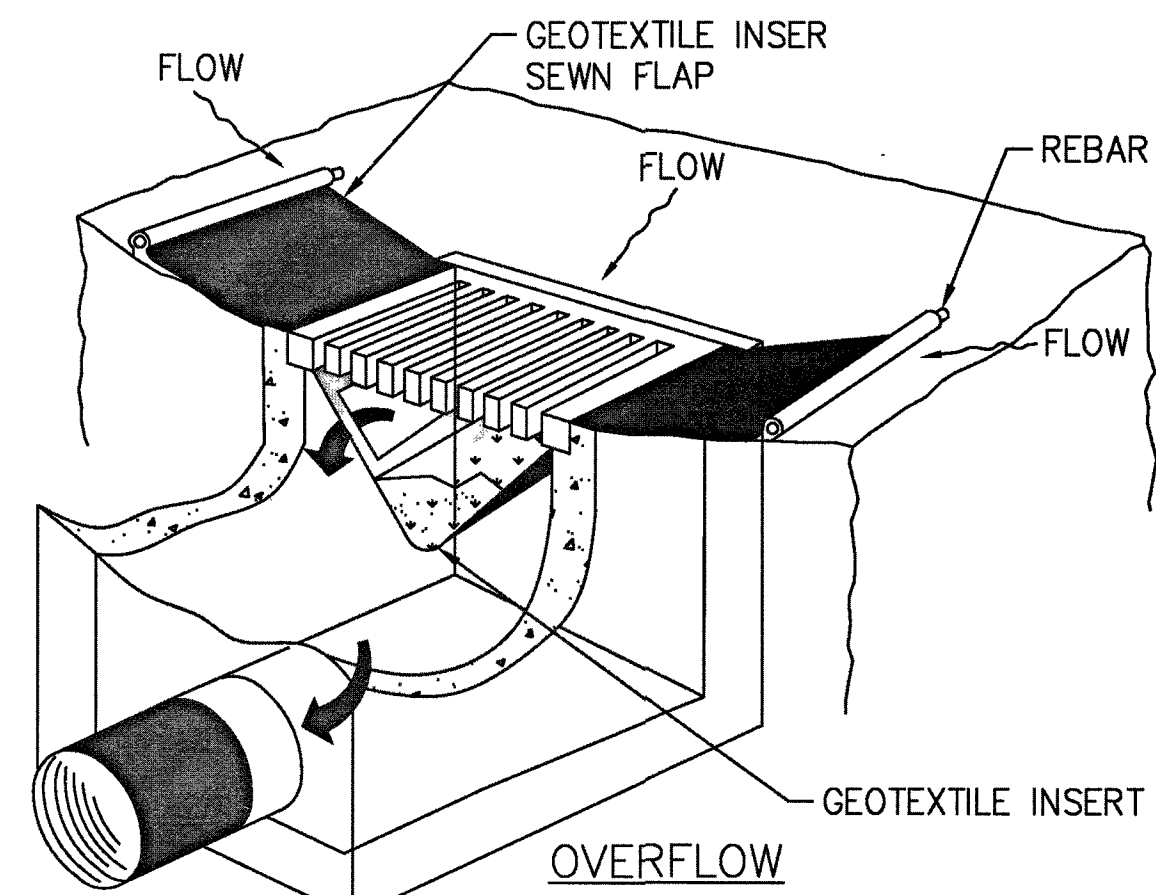
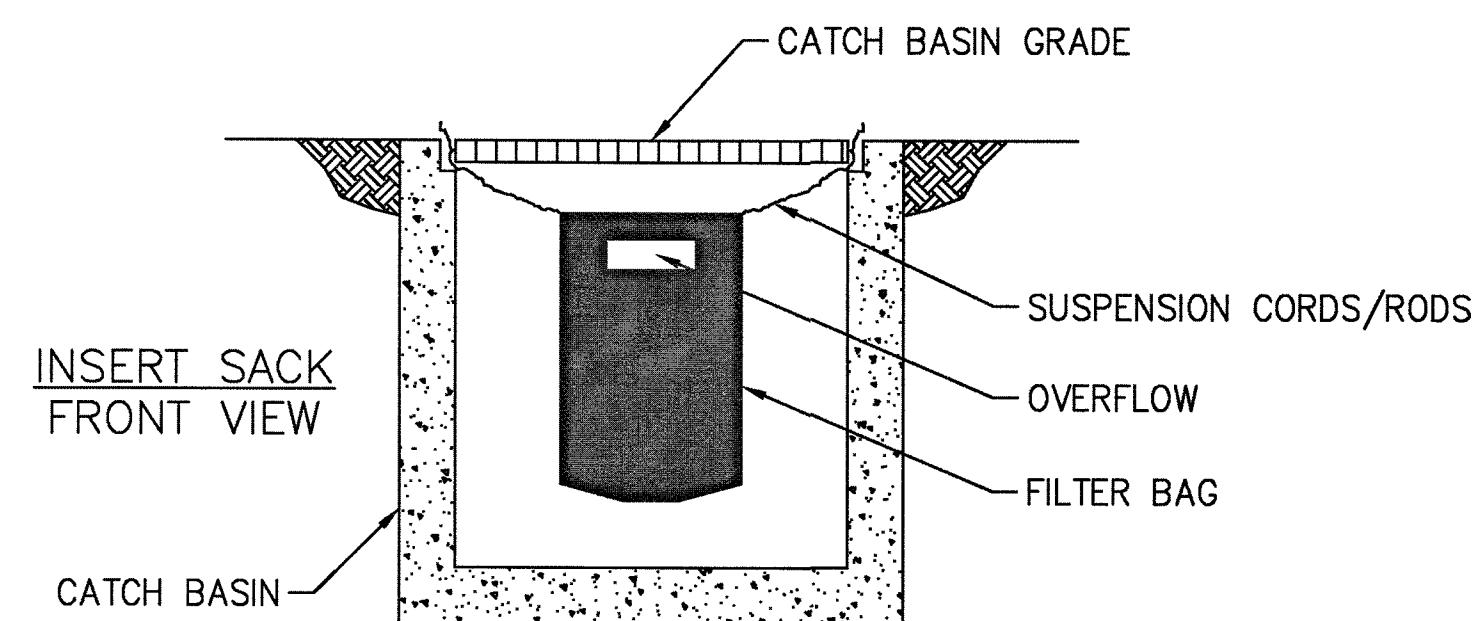
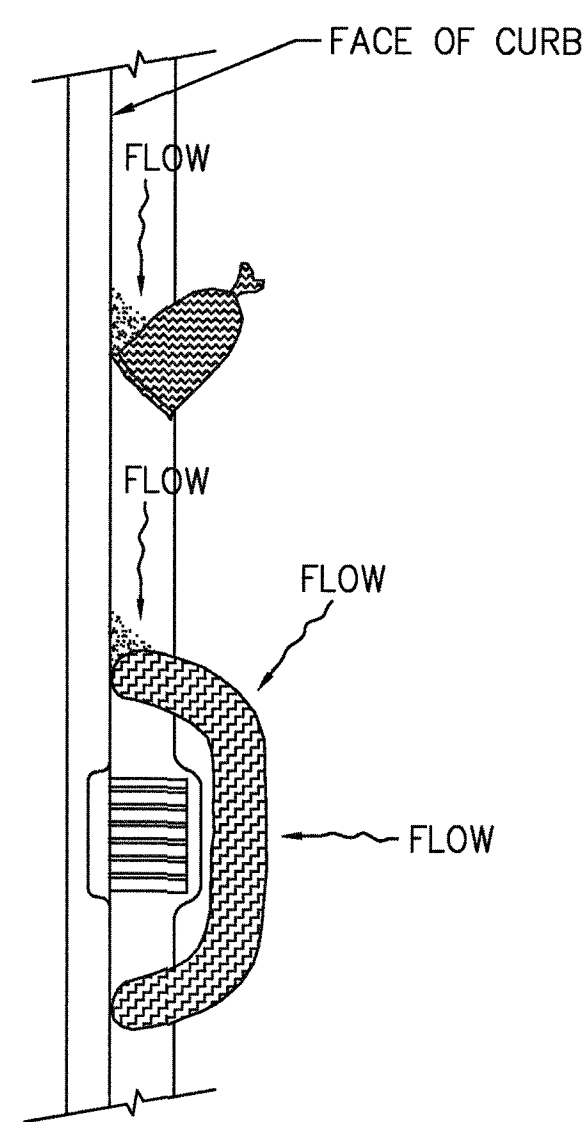
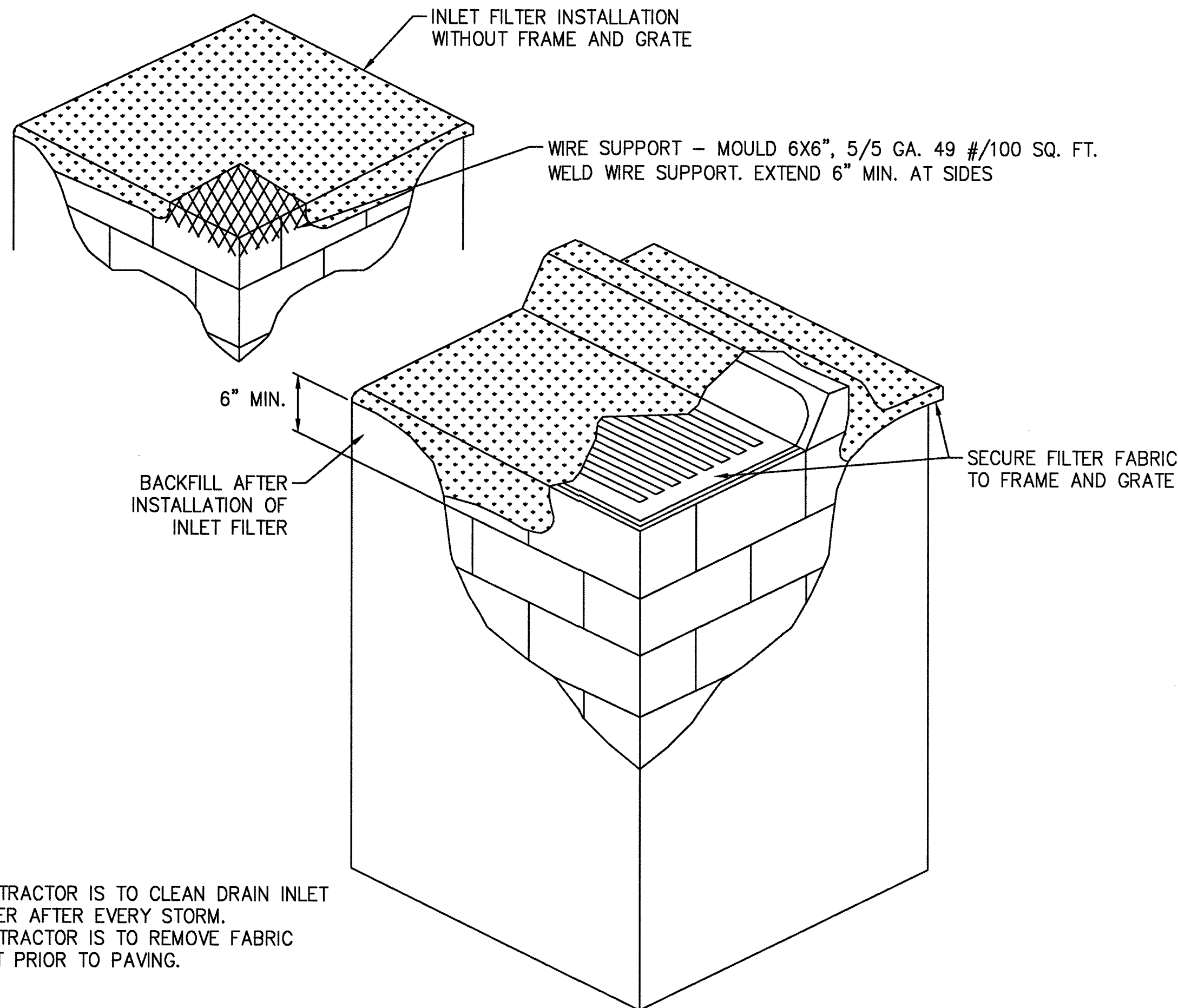


|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|----------------------|--|--|--|------------------------------------------------------------------------------------------|--|--|--|---------------------------|--|--|--|------------------------------------------------|--|--|--|--------------------------------------------|--|--|--|-------------------------|--|--|--|---------------------------|--|---------------------|--|--------------------------------|--|--|--|------------------|--|--|--|--|--|
| <div>1.<br/>2.<br/>3.<br/>4.<br/>NO. DESCRIPTION BY DATE APPVD</div> |  |  |  | <div>REVISIONS</div> |  |  |  | <div>TAX CODES UNIT NO. UNIT TYPE INSTL. RETIRED INSTL. RETIRED PROPOSED COMPLETED</div> |  |  |  | <div>PROPERTY UNITS</div> |  |  |  | <div>AS-BUILT DRAWING-PRESSURE TEST DATA</div> |  |  |  | <div>VISUAL INSPECTION CERTIFICATION</div> |  |  |  | <div>CONSTRUCTION</div> |  |  |  | <div>ISOLATION AREA</div> |  | <div>W.R. NO.</div> |  | <div>ENGINEER/TECHNICIAN</div> |  |  |  | <div>PHONE</div> |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
|                                                                      |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |
| </                                                                   |  |  |  |                      |  |  |  |                                                                                          |  |  |  |                           |  |  |  |                                                |  |  |  |                                            |  |  |  |                         |  |  |  |                           |  |                     |  |                                |  |  |  |                  |  |  |  |  |  |

# TYPICAL SWPPP BMPS DETAILS



1. SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL INSTALL ONE OF THE APPROPRIATE BMPs FOR THE PROTECTION OF EXISTING STORM DRAIN INLETS, WITHIN OR SIGNIFICANTLY NEAR ANY IMPROVED RIGHT-OF-WAY, FROM DEBRIS AND SEDIMENT RESULTING FROM CONSTRUCTION OF NATURAL GAS FACILITIES.
2. SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM, USING BEST MANAGEMENT PRACTICES DETAILED ON THIS SHEET.
3. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE LISTED BMPs ON THIS SHEET DOT NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CLARK COUNTY CODE - CHAPTER 24.40/STORM SEWER SYSTEM DISCHARGE AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
4. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.



- NOTE:  
RECESSED CURB INLET MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS.  
SIZE OF FILTER FABRIC INLET SACK TO BE DETERMINED BY MANUFACTURER.



- NOTE:
1. CONTRACTOR IS TO CLEAN DRAIN INLET FILTER AFTER EVERY STORM.
  2. CONTRACTOR IS TO REMOVE FABRIC JUST PRIOR TO PAVING.

[illegible]