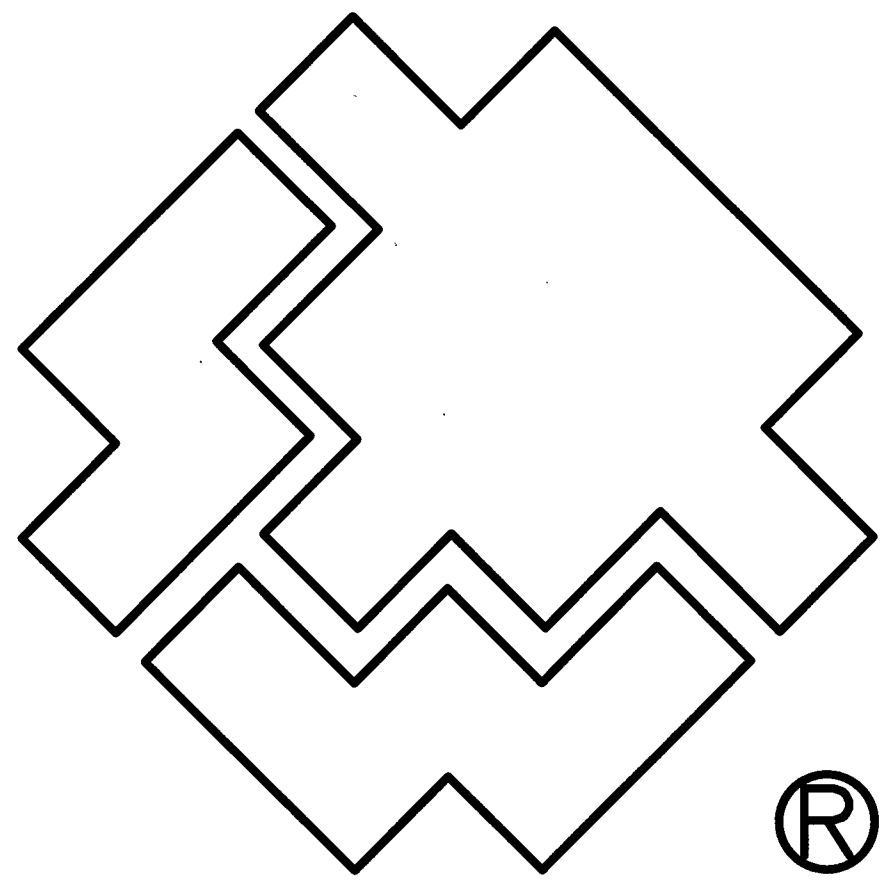




SOUTHWEST GAS CORPORATION

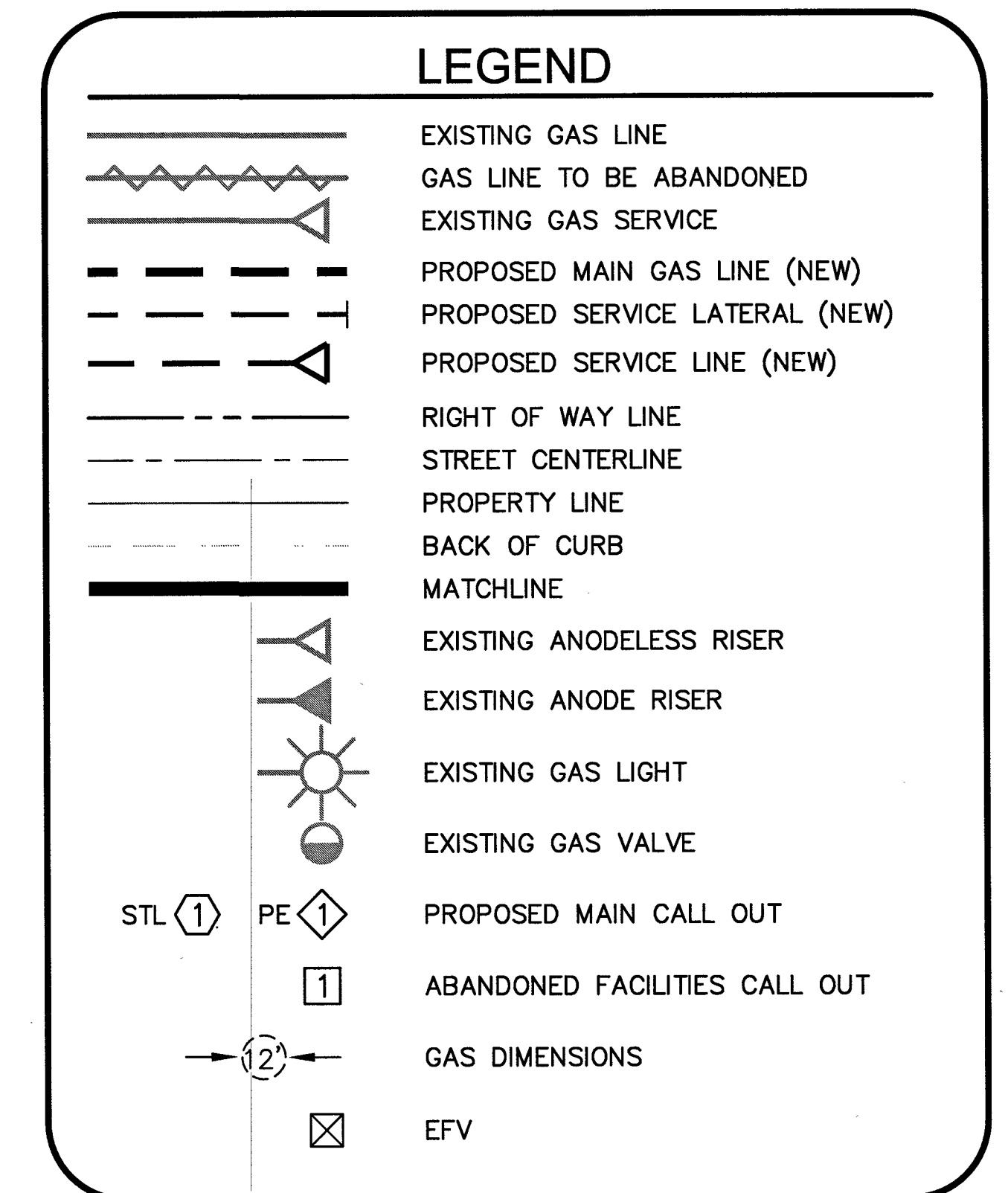
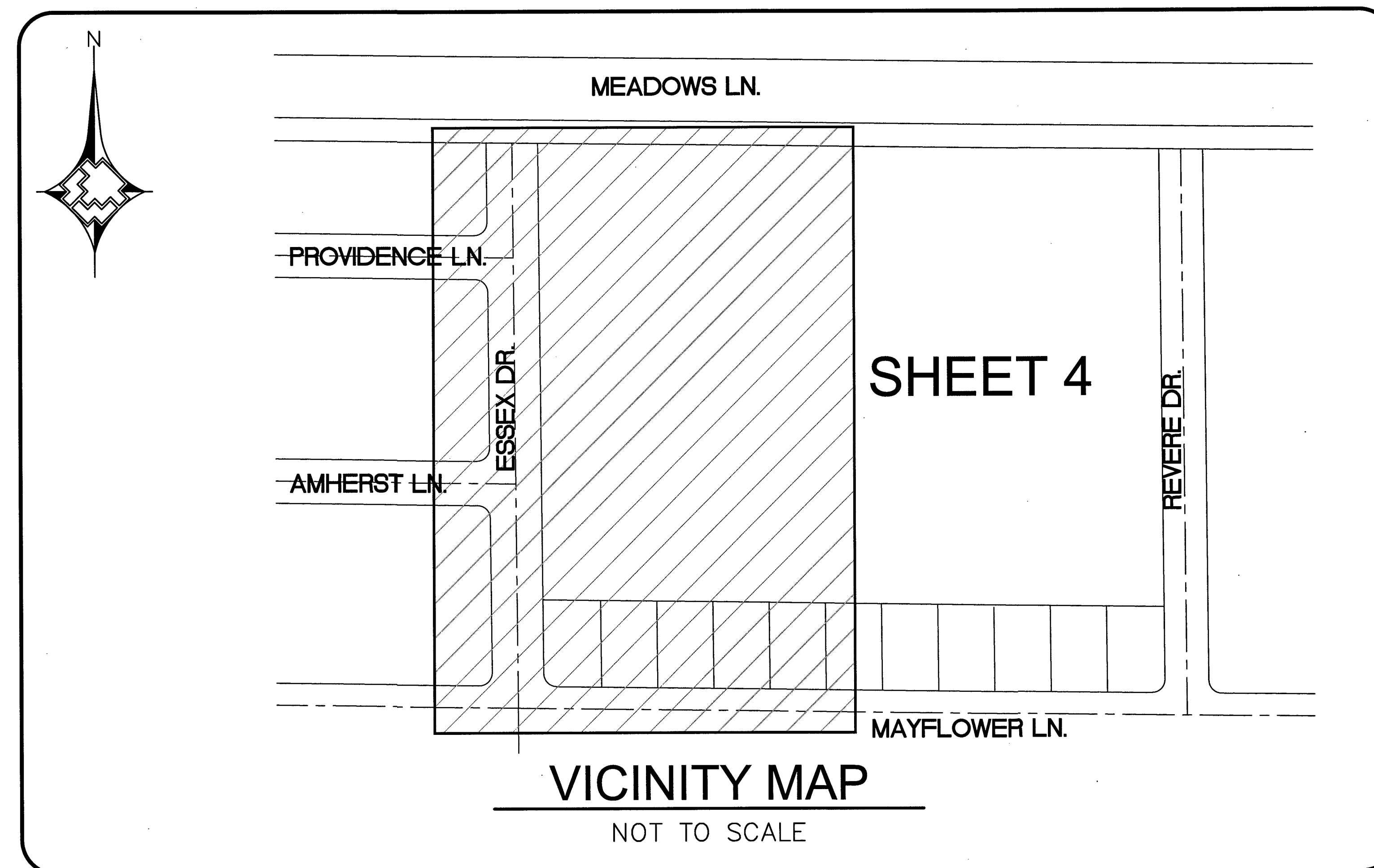
E.W. GRIFFITH ES REPLACEMENT CITY OF LAS VEGAS, NV 3625173

City of
Las Vegas

Total footage located in Public ROW 44'

APPROVED FOR CONSTRUCTION
THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV
EASEMENTS ONLY. OBTAINING PERMISSION OR
EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY
IS THE RESPONSIBILITY OF THE UTILITY.

Approval Shawn Boutin 1-23-19
Date

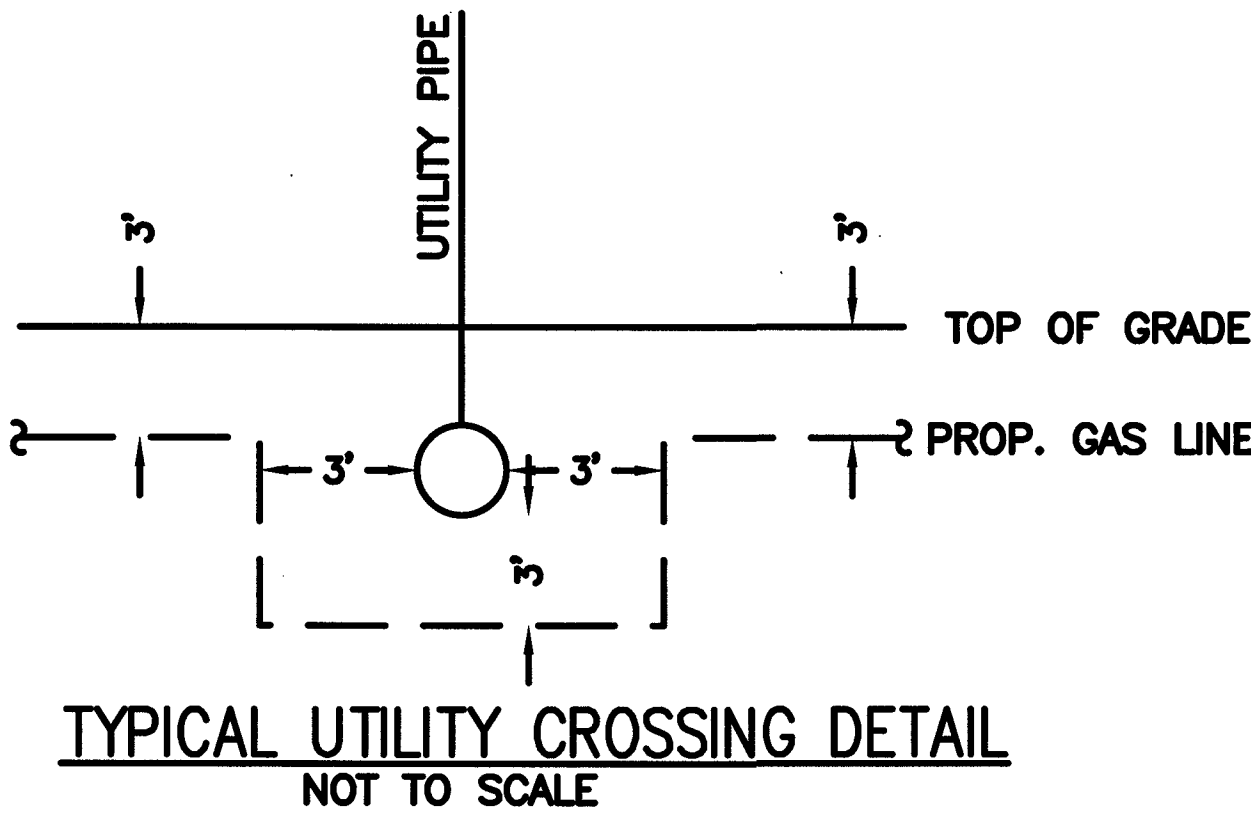


SHEET INDEX	
1.	COVER SHEET
2.	ABBREVIATIONS & NOTES
3.	MATERIALS & SIGNATURES - PE
4.	DESIGN PLAN
5.	DETAIL A
6.	TYPICAL SWPPP BMP DETAILS



1. _____		2. _____		3. _____		4. _____		5. _____		6. _____		7. _____		8. _____		9. _____		10. _____		11. _____		12. _____		13. _____		14. _____		15. _____		16. _____		17. _____		18. _____		19. _____		20. _____		21. _____		22. _____		23. _____		24. _____		25. _____		26. _____		27. _____		28. _____		29. _____		30. _____		31. _____		32. _____		33. _____		34. _____		35. _____		36. _____		37. _____		38. _____		39. _____		40. _____		41. _____		42. _____		43. _____		44. _____		45. _____		46. _____		47. _____		48. _____		49. _____		50. _____		51. _____		52. _____		53. _____		54. _____		55. _____		56. _____		57. _____		58. _____		59. _____		60. _____		61. _____		62. _____		63. _____		64. _____		65. _____		66. _____		67. _____		68. _____		69. _____		70. _____		71. _____		72. _____		73. _____		74. _____		75. _____		76. _____		77. _____		78. _____		79. _____		80. _____		81. _____		82. _____		83. _____		84. _____		85. _____		86. _____		87. _____		88. _____		89. _____		90. _____		91. _____		92. _____		93. _____		94. _____		95. _____		96. _____		97. _____		98. _____		99. _____		100. _____	
NO.		DESCRIPTION		BY		DATE		APPVD.		TAX CODES		UNIT NO.		UNIT TYPE		INSTL.		RETIRED		INSTL.		RETIRED		PROPOSED		COMPLETED		PROPERTY UNITS		CUSTOMERS 0		AS-BUILT DRAWING-PRESSURE TEST DATA		VISUAL INSPECTION CERTIFICATION		CONSTRUCTION		ISOLATION AREA		W.R. NO.		ENGINEER/TECH: DAVID FRIEDLANDER		PHONE: 702-365-2203		ACCOUNT REP: ANDREW CARLSON		PHONE: 702-370-5067		PROJECT CONTACT: CHRIS FENTON		PHONE: 702-893-2868		SHEET NO: 1 OF 6		SCALE: NTS		DATE: 5/25/2018		DWN. BY: SEI		CHKD. BY:		APPVD. BY:		TITLE		E.W. GRIFFITH ES REPLACEMENT		COVER SHEET		715-211-6145		118-02146		DOC 3625173		10/02/18		118-02146																																																																																																																							

MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
1	266'		100-5101	2" PE MAIN
2	1		160-8171	2" X 2" PE HVTT
3	1		140-3060	2" PE CAP
4	578'		100-5101	2" PE SERVICE
5	2		161-7661	2" PE RISER
6	1		160-9271	2" PE 5500 EFV
7	3		140-3067	2" PE 90 DEGREE ELBOW
8	1		120-8605	2" PE VALVE
9	2		140-3074	2" PE FULL FLOW TEE



PURGE PLAN WAS COMPLETED IN ACCORDANCE
WITH THE OPERATIONS MANUAL GUIDELINES BY:

PRINT: _____ DATE: _____

SIGNATURE: _____

SYSTEM D_VALLEY_WIDE

DR. NO. 21DR10002410

SEGMENT M.A.O.P. N/A

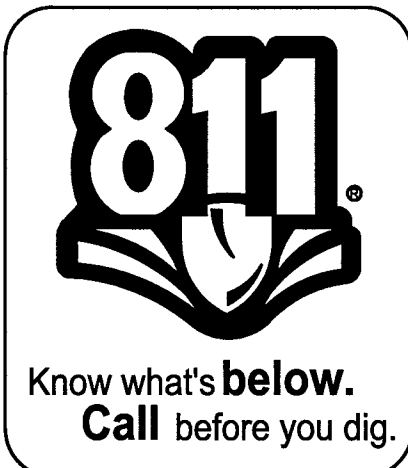
SYSTEM M.A.O.P. 60 PSIG

SYSTEM M.O.P. 43 PSIG

VISUAL INSPECTION (OQ/PJQ)

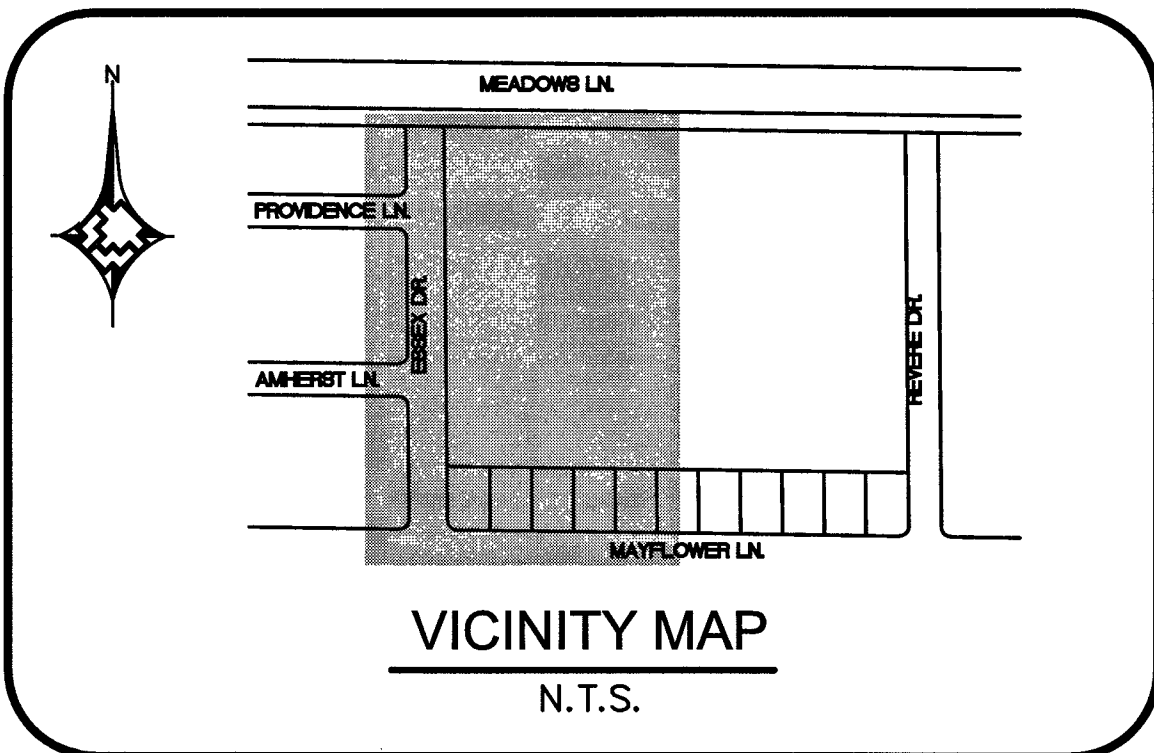
SIGNATURE _____

DATE _____



1.						3760102	2" PE	272'			
2.						3800102	2" PE	578'			
3.											
4.											
NO.	DESCRIPTION	BY	DATE	APPVD.							
REVISIONS											
					TAX	UNIT	UNIT	INSTL.	RETIRED	INSTL.	RETIRED
					CODES	NO.	TYPE	PROPOSED	COMPLETED		
					PROPERTY UNITS						

AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ PIPE LENGTH _____ PIPE TYPE _____ MIN. DURATION _____ TEST MEDIUM ☐ AIR ☐ NITROGEN ☐ WATER ☐ SOAP TEST METHOD ☐ GAUGE ☐ CHART GAUGE/ PRESS REC SN# START _____ END _____ TEST PRES. (PSIG) _____ TIME _____ DATE _____ PERFORMED BY _____	VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED. NAME _____ DATE _____ _____ _____ _____ _____ _____ AS-BUILTS ACCEPTED BY _____ DATE _____ POSTED BY _____ DATE _____ POSTING QC'D BY _____ DATE _____	CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____ PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE 02-0200	ISOLATION AREA ISO 21 DIST_058 LOCATION SEC 31 T20S R61E M.D.M.	W.R. NO. 3625173 ATLAS #/TILE # x612y516	ENGINEER/TECH: DAVID FRIEDLANDER ACCOUNT REP: ANDREW CARLSON PROJECT CONTACT: CHRIS FENTON SHEET NO: 3 OF 6 DWN. BY: SEI SCALE: NTS CHKD. BY: _____ DATE: 5/25/2018 APPVD. BY: _____ TITLE E.W. GRIFFITH ES REPLACEMENT MATERIALS & SIGNATURES - PE 715-211-645 418-02146	PHONE: 702-365-2203 PHONE: 702-370-5067 PHONE: 702-893-2868 APPVD. BY: _____
--	---	--	---	---	---	---



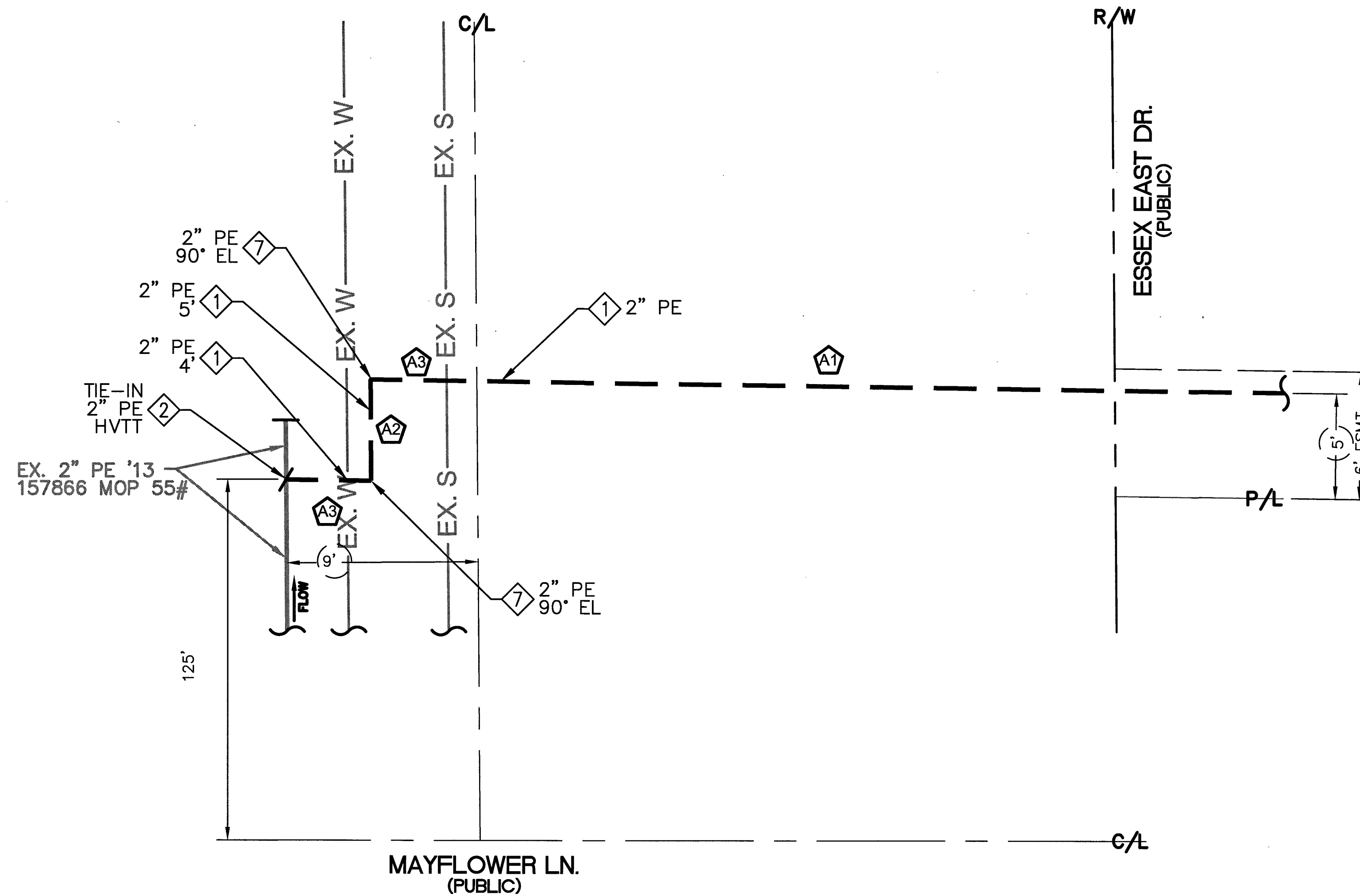
MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES		
ITEM#	STOCK ID#	DESCRIPTION
①	100-5101	PROPOSED 2" MAIN
②	160-8171	PROPOSED 2" X 2" HVTT
③	140-3060	PROPOSED 2" PE CAP
④	100-5101	PROPOSED 2" PE SERVICE
⑤	161-7661	PROPOSED 2" PE RISER
⑥	160-9271	PROPOSED 2" PE 5500 EFV
⑦	140-3067	PROPOSED 2" PE 90 DEGREE ELBOW
⑧	120-8605	PROPOSED 2" PE VALVE
⑨	140-3074	PROPOSED 2" PE FULL FLOW TEE

RTC NOTES:

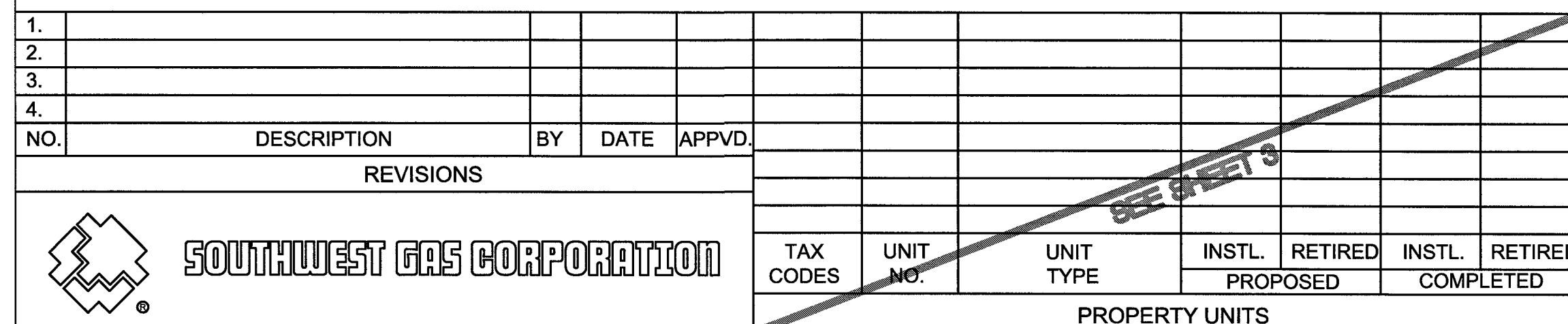
PAVEMENT REPAIR SHALL CONFORM TO RTC:

	503
	500.4
	500.5

[illegible]



DETAIL
(SEE SHEET 4)
NTS



AS-BUILT DRAWING-PRESSURE TEST DATA			
PIPE DIA. _____	TEST MEDIUM	TEST METHOD	
PIPE LENGTH _____	☐ AIR	☐ GAUGE	
PIPE TYPE _____	☐ NITROGEN	☐ CHART	
MIN. DURATION _____	☐ WATER	☐ GAUGE/	
	☐ SOAP	PRESS REC SN# _____	
TEST PRES. (PSIG) _____	START _____	END _____	
TIME _____			
DATE _____			
PERFORMED BY _____			

VISUAL INSPECTION CERTIFICATION	
I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED	
NAME _____	DATE _____
_____	_____
_____	_____
_____	_____
_____	_____
AS-BUILTS ACCEPTED BY _____	DATE _____
POSTED BY _____	DATE _____
POSTING Q'CD BY _____	DATE _____

CONSTRUCTION	
INSPECTOR	_____
FOREMAN	_____
REVIEWED BY	_____
PERMIT INFORMATION	
CITY OF LAS VEGAS	
TAX CODE 02-0200	

ISOLATION AREA	W.R. NO.
ISO_21 DIST_058	3625173
LOCATION	ATLAS #/TITLE #
SEC 31 T20S R61E M.D.M.	x612y516

ENGINEER/TECH: DAVID FRIEDLANDER		PHONE: 702-365-2203
ACCOUNT REP: ANDREW CARLSON		PHONE: 702-370-5067
PROJECT CONTACT: CHRIS FENTON		PHONE: 702-893-2868
SHEET NO: 5 OF 6	SCALE: NTS	DATE: 5/25/2018
DWN. BY: SEI	CHKD. BY:	APPVD. BY:
TITLE		
E.W. GRIFFITH ES REPLACEMENT DETAIL A		

MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES		
ITEM#	STOCK ID#	DESCRIPTION
①	100-5101	PROPOSED 2" MAIN
②	160-8171	PROPOSED 2" X 2" HVTT
③	140-3060	PROPOSED 2" PE CAP
④	100-5101	PROPOSED 2" PE SERVICE
⑤	161-7661	PROPOSED 2" PE RISER
⑥	160-9271	PROPOSED 2" PE 5500 EFV
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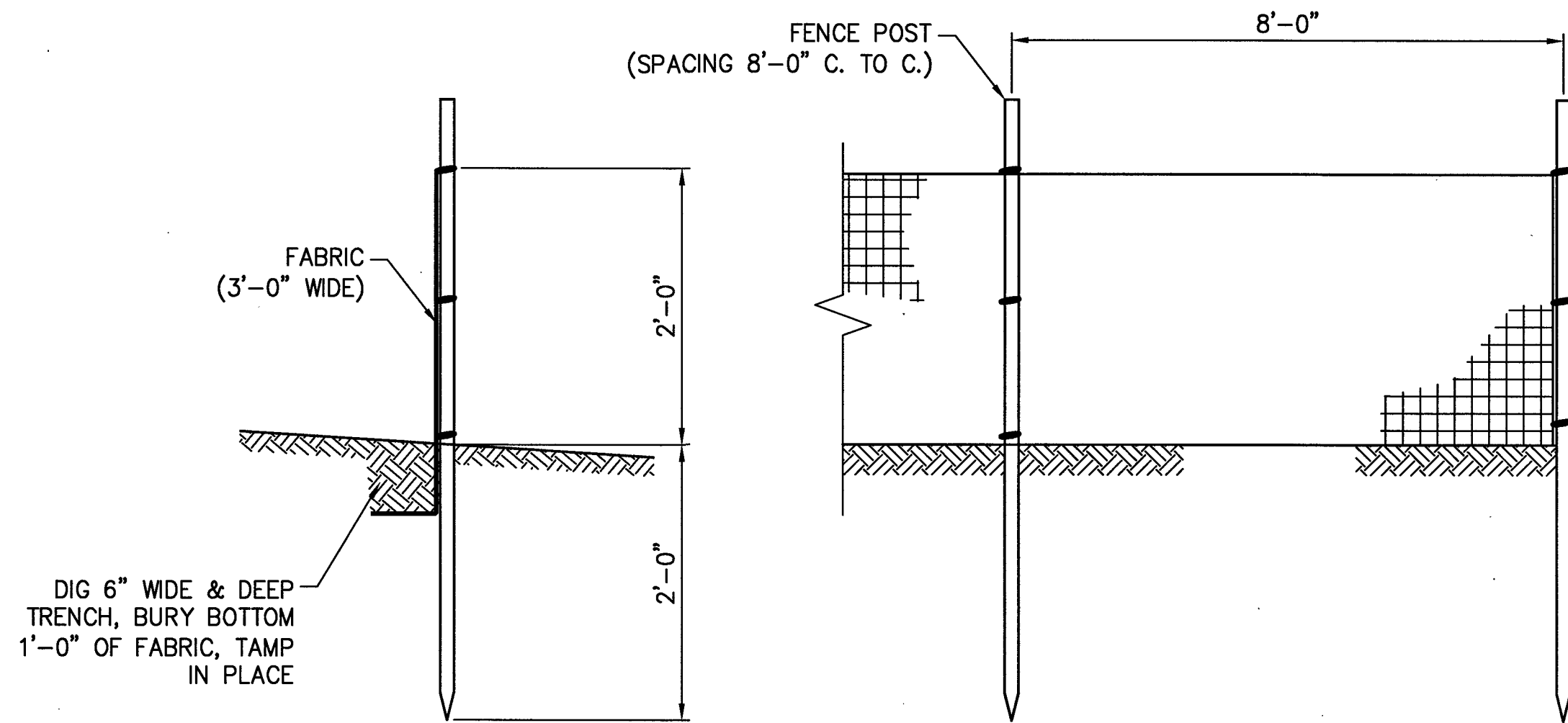
MATERIAL LIST FOR ABANDONED FACILITIES		
ITEM#	UNIT ID#	DESCRIPTION
1	3800101	ABANDON EX. 1-1/4" PE '13 MOP 43#
2	3800101	ABANDON AND REMOVE EX. 1-1/4" PE '13 MOP 43#

RTC NOTES:

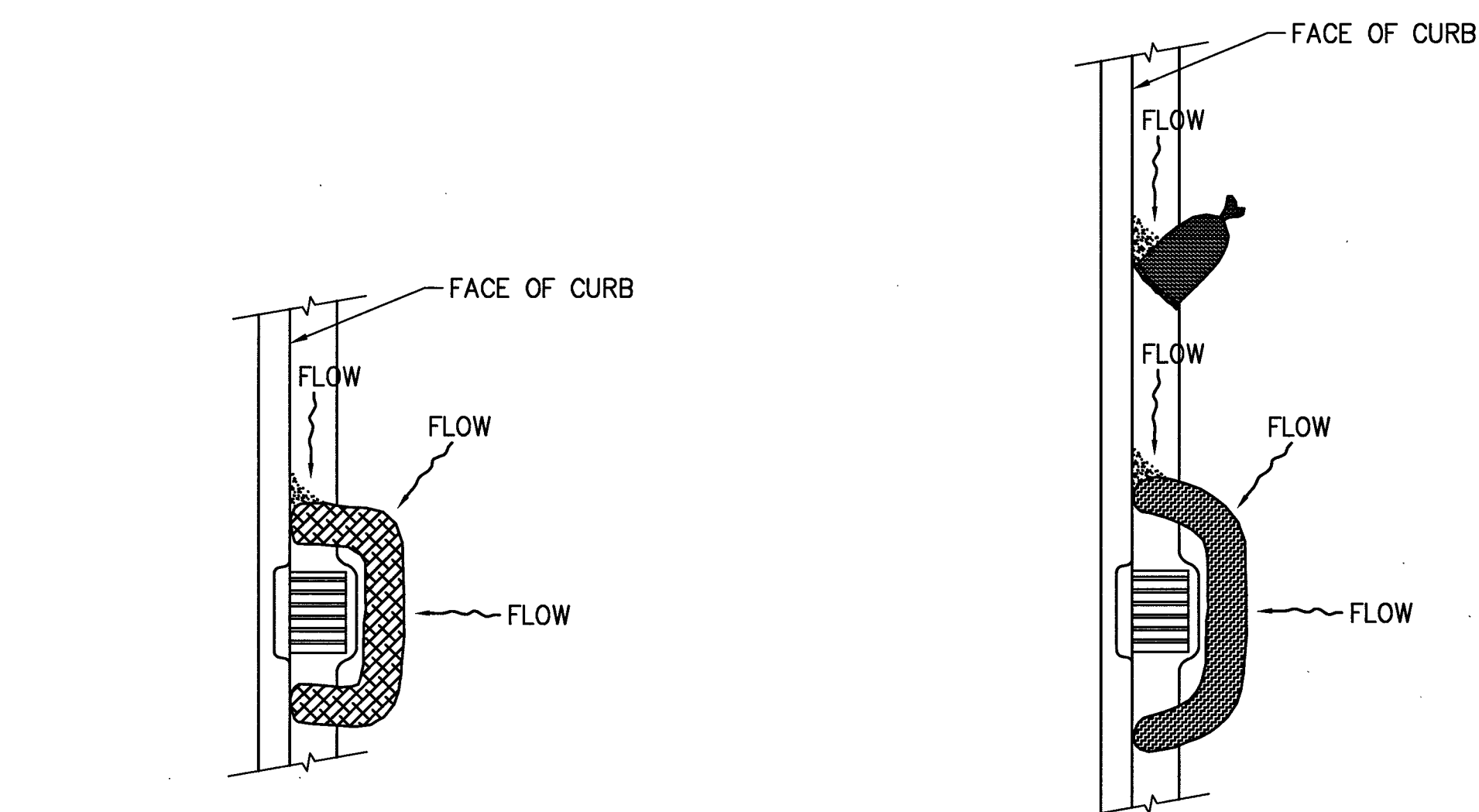
PAVEMENT REPAIR SHALL CONFORM TO RTC:

	503
	500.4
	500.5

TYPICAL SWPPP BMPS DETAILS

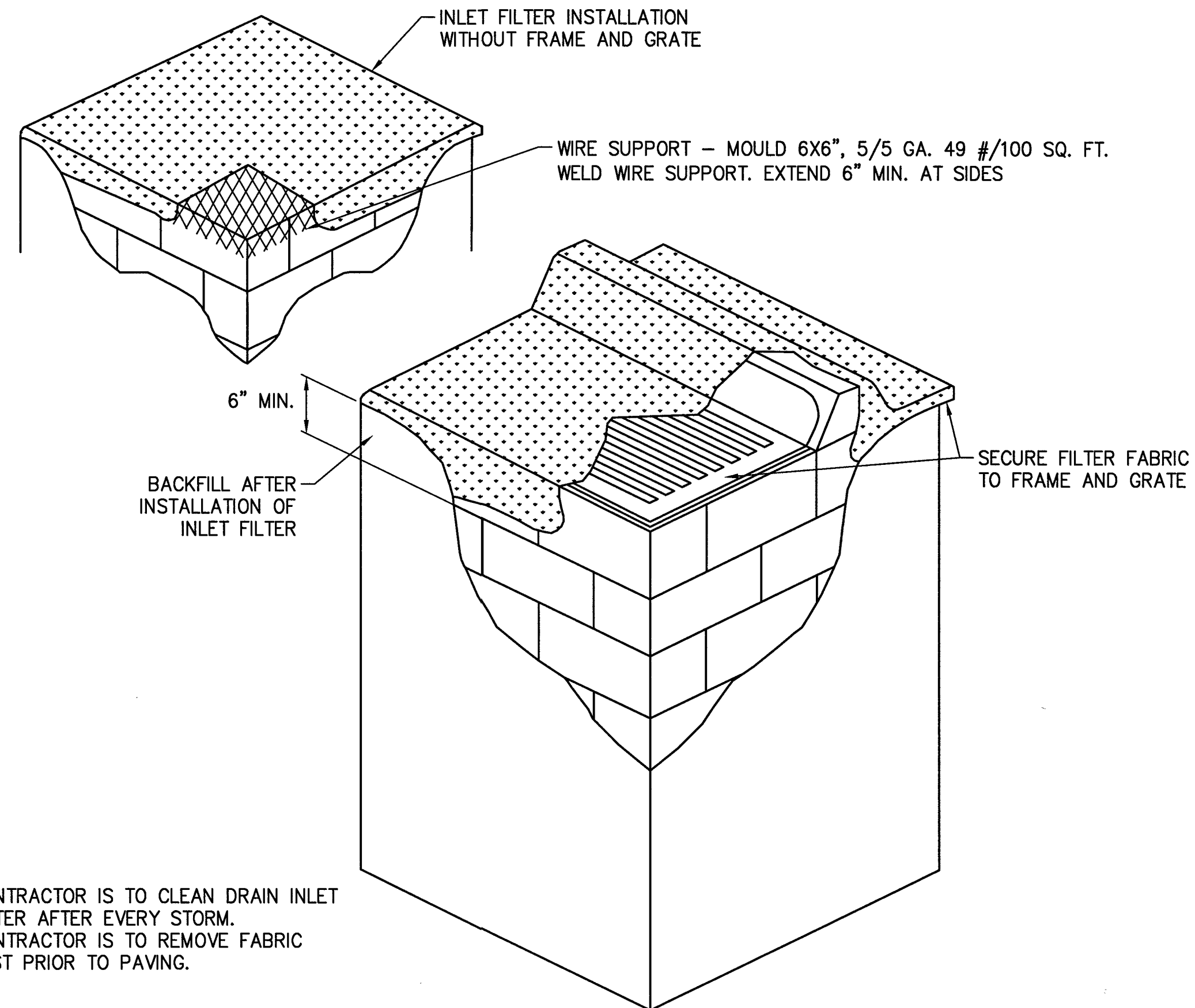


SILT FENCE
N.T.S.



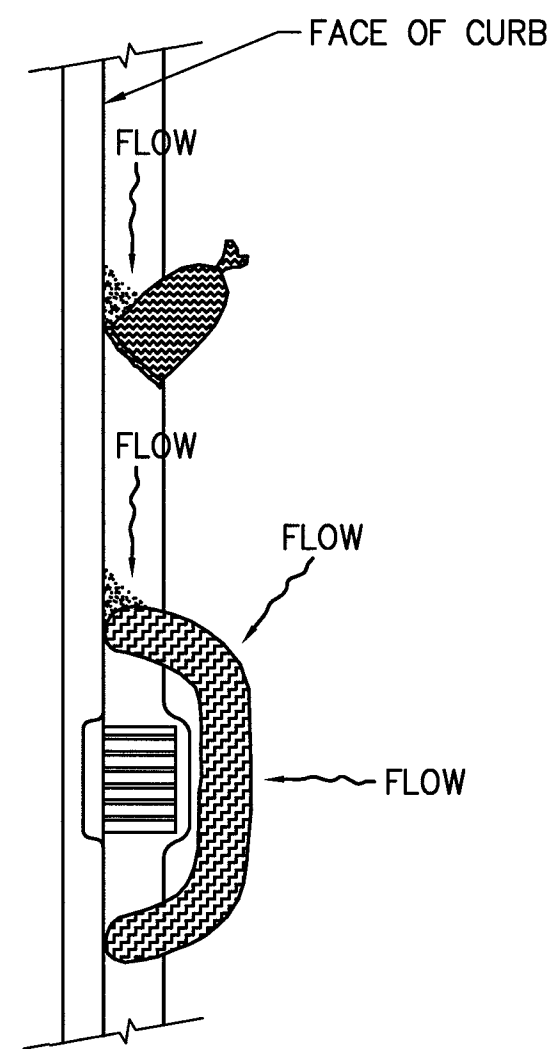
2
- FIBER ROLL
N.T.S.

3 SAND BAG/ ROLL
- N.T.S.

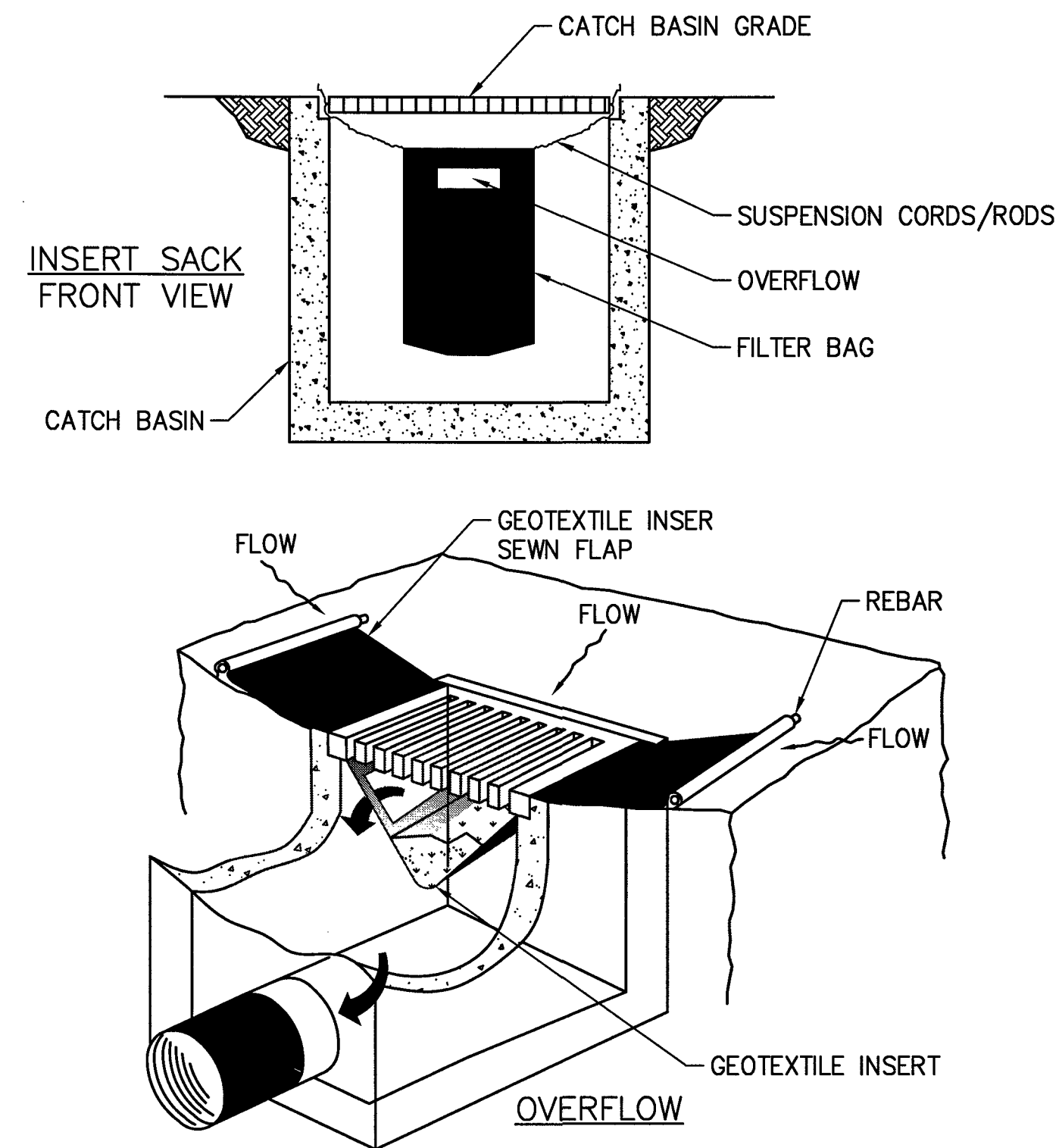


NOTE:

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



5 GRAVEL BAG/ ROLL
- N.T.S.



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

6 SEDIMENT FILTER BAG
- N.T.S.

[illegible]

Know what's **below**.
Call before you dig.)