

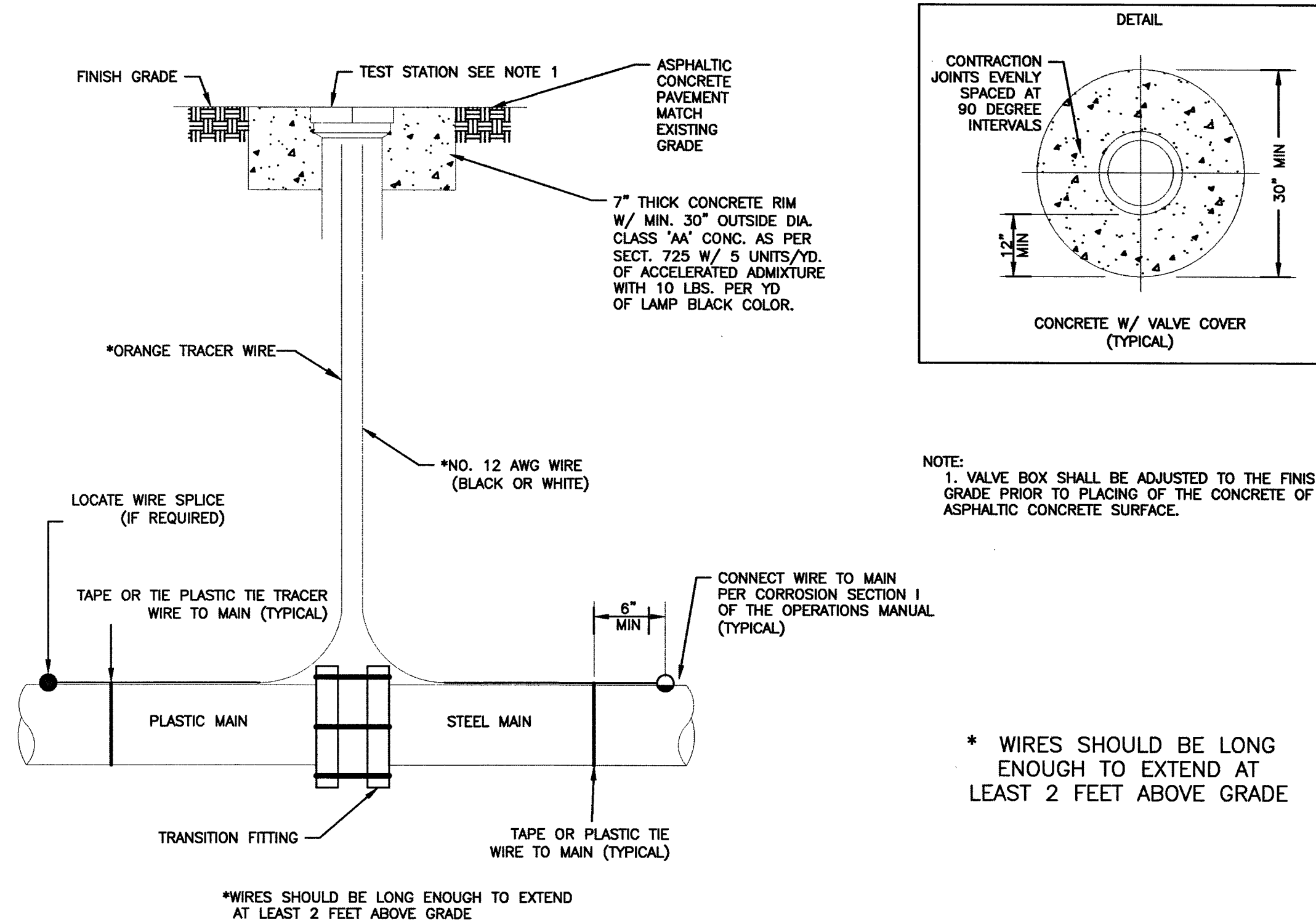


- RTC STD DWG 503

[illegible]

MATERIAL LIST FOR ABANDONED FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	PROPERTY UNIT#	DESCRIPTION
1	233'			ABANDON 1/2" PVC '60 SVC
2	6'			ABANDON 2" PE '89 MOP 43#
3	10'			ABANDON 2" PE '93 MOP 43#
4	95'			ABANDON 2" PVC '70 MOP 43#
5	38'			ABANDON 2" STL '70 SVC
7	13'			ABANDON 2" PVC '73 MOP 43#
8	142'			ABANDON 2" PVC '63 MOP 43#
10	186'			ABANDON 2" STL '59 MOP 43#
16	631'			ABANDON 2" PVC '67 MOP 43#
18	140'			ABANDON 2" PVC '66 MOP 43#
19	122'			ABANDON 2" STL '56 MOP 43#
20	12'			ABANDON 2" PE '98 MOP 43#
21	150'			ABANDON 1/2" PVC '58 SVC
24	18'			ABANDON 1/2" PVC '64 SVC
25	124'			ABANDON 3/4 PVC '69 SVC
26	7'			ABANDON 2" PVC '74 MOP 43#
27	6'			ABANDON 1/2" PVC '67 SVC
28	28'			ABANDON 1/2" PE '98 SVC
29	25'			ABANDON 1/2" PE '89 SVC
30	161'			ABANDON 2" STL '58 MOP 43#
31	11'			ABANDON 1/2" PVC '59 SVC

MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
2	229'		101-8526	PROPOSED 1" PE SERVICE
4	3		160-8162	PROPOSED 2" STL X 2" PE TRANSITION FITTING
5	657'		100-5101	PROPOSED 2" PE MAIN
6	4		140-3067	PROPOSED 2" PE 90° ELBOW
8	4		140-3060	PROPOSED 2" PE CAP
9	7		850-9353	PROPOSED 1" PE EFV COUPLING
10	2		160-8163	PROPOSED 4" STL X 4" PE TRANSITION FITTING
11	1		160-9271	PROPOSED 2" EFV COUPLING (5,500 CFH)
12	42'		100-5101	PROPOSED 2" PE SERVICE
14	2		140-5118	PROPOSED 4" X 2" PE REDUCER
15	1		140-3074	PROPOSED 2" PE TEE
16	10		160-7981	PROPOSED 3/4"x1" STL TEE
17	1		140-5373	PROPOSED 2" STL TEE
18	2		160-8207	PROPOSED 2" STL CAP
19	1		120-8605	PROPOSED 2" PE SLSV #442733
20	2		160-8405	PROPOSED 1" EFV COUPLING (1,800 CFH)
21	1		140-3205	PROPOSED 4" STL CAP
22	1		160-8018	PROPOSED 2" STL 3-WAY SHORTSTOPP TEE
23	3		160-8000	PROPOSED 2" STL 3-WAY TAPPING TEE
24	5		160-7640	PROPOSED 2" STL LINE STOPPER FITTING



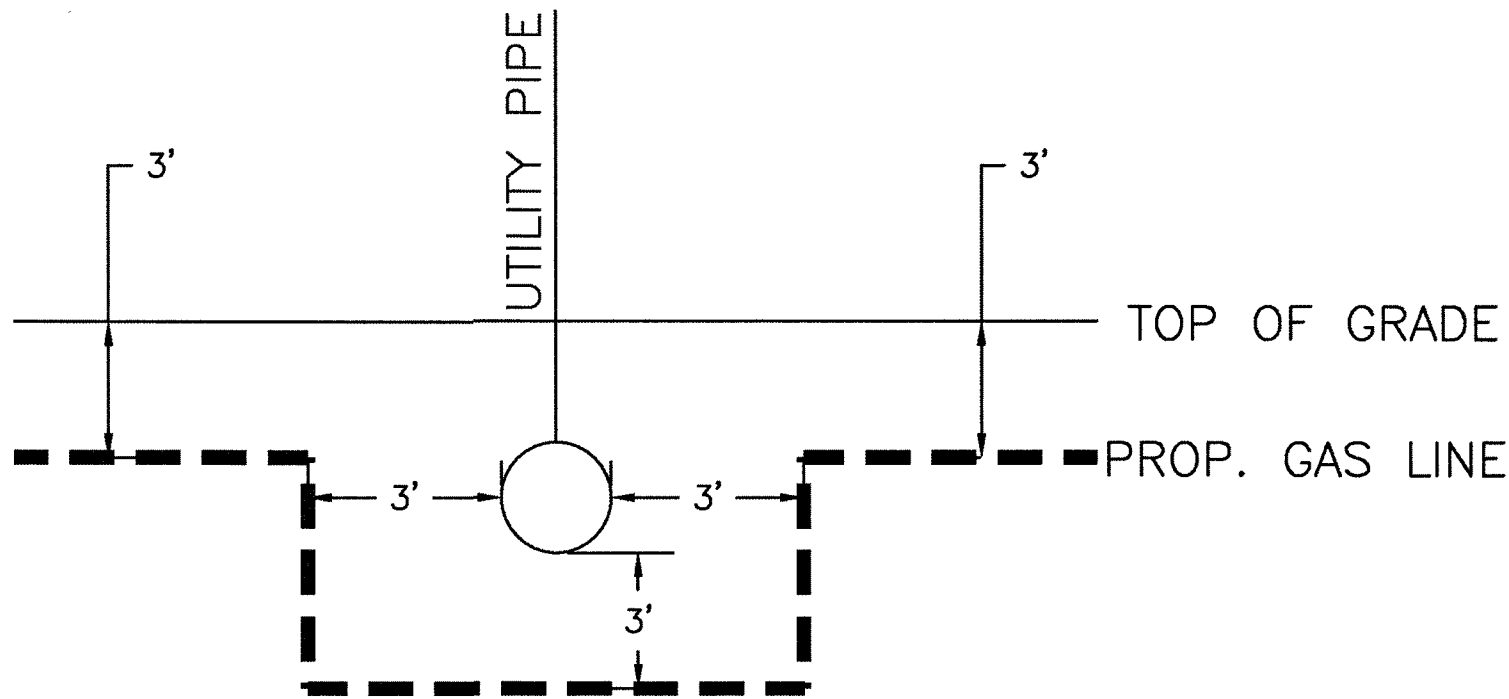
PLASTIC TO STEEL TEST STATION DETAIL 245

MATERIAL LIST FOR PROPOSED STL FACILITIES				
ITEM#	QTY. (DESIGN)	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
1	2		251-2406	PROPOSED 5-TERM CP TEST STATION

CATHODIC PROTECTION NOTES:

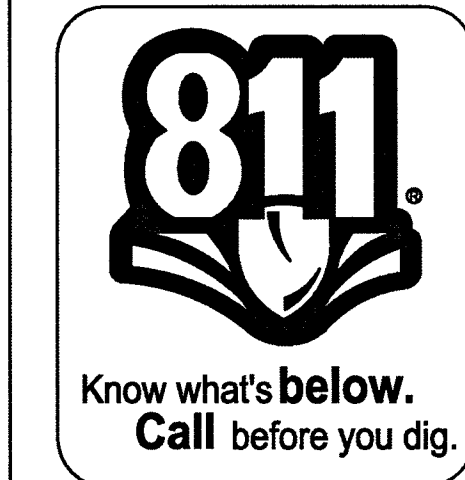
- CONTACT CP DEPARTMENT AT (702) 528-7873 AT LEAST 48 HOURS PRIOR TO WORK TO COORDINATE INSTALLATION
- THIS WR AFFECTS THE FOLLOWING CP AREAS:

CPID#: R14 2nd A
WMIS#: 21DCP0021169
- INSTALL CP TEST STATION. SEE DETAIL ON SHEET 08 and SHEET 09. DETAIL 245 ON SHEET 03.



TYPICAL UTILITY CROSSING DETAIL
NOT TO SCALE

EXISTING RISERS	QTY.
# OF ANODELESS RISERS	22
# OF ANODE RISERS	2



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

PRINT: _____ DATE: _____

SIGNATURE: _____

VISUAL INSPECTION (OQ/PJQ)

SIGNATURE _____
DATE _____

AS-BUILT DRAWING-PRESSURE TEST DATA

PIPE DIA. _____	☐ AIR	☐ GAUGE
PIPE LENGTH _____	☐ NITROGEN	☐ CHART
PIPE TYPE _____	☐ WATER	☐ GAUGE/
MIN. DURATION _____	☐ SOAP	PRESS REC SN#
TEST PRES. (PSIG) _____	START _____	END _____
TIME _____	_____	_____
DATE _____	_____	_____
PERFORMED BY _____	_____	_____

SYSTEM _____	D_VALLEY_WIDE
DR. NO. _____	21DR10002397
SEGMENT M.A.O.P. _____	N/A
SYSTEM M.A.O.P. _____	43 psig
SYSTEM M.O.P. _____	43 psig

3760102	2" PE	657'	28'		
3760602	2" PVC		1,028'		
3760202	2" STL		499'		
3800102	2" PE	42'			
3800202	2" STL		38'		
3800101	1" PE	229'			
3800601	3/4" PVC		124'		
3800101	1/2" PE		53'		
3800601	1/2" PVC	407			

CLV REVISION	CA	053119			
2.					
3.					
4.					
NO.	DESCRIPTION	BY	DATE	APPVD.	
REVISIONS					
TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED COMPLETED	
PROPERTY UNITS					

PIPE DIA. _____	☐ AIR	☐ GAUGE
PIPE LENGTH _____	☐ NITROGEN	☐ CHART
PIPE TYPE _____	☐ WATER	☐ GAUGE/
MIN. DURATION _____	☐ SOAP	PRESS REC SN#
TEST PRES. (PSIG): (MAX) _____	(MIN) _____	
TIME: (START) _____	(STOP) _____	
DATE: (START) _____	(STOP) _____	
PERFORMED BY: _____		
SWG VERIFIED BY: _____		

INDIVIDUAL PERFORMING VISUAL INSPECTION VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED. NAME _____ DATE _____	CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____
AS-BUILTS ACCEPTED BY _____ DATE _____ POSTED BY _____ DATE _____ POSTING QC'D BY _____ DATE _____	PERMIT INFORMATION CITY OF LAS VEGAS TAX CODE: 02-0203

ISOLATION AREA	W.R. NO.
DIST_293	3432774
LOCATION	ATLAS #/TILE #
SEC 35 T20S R61E M.D.M.	x630y514 x633y514

ENGINEER/TECH: CHRIS ANDERSEN	PHONE: 702-365-2139
ACCOUNT REP:	PHONE:
PROJECT CONTACT: CHRIS ANDERSEN	PHONE: 702-365-2139
SHEET NO: 3 OF 13	SCALE: NTS
DWN. BY: BC&F	CHKD. BY:
APPVD. BY:	
TITLE	
GIR 2018-DPI-CLV-	
CARSON AVE & 14TH ST	
MATERIALS AND SIGNATURES - PE	

SHEET 8 – MAIN

FOR STEEL ONLY TIE-IN #4

PIPE TO SOIL _____

ANODE INSTALLED?

YES	NO
-----	----

□ □

IF YES, PIPE TO SOIL_____

TYPE OF PIPE COATING

- 2 ☐ TAR WRAP
3 ☐ ASPHALT
4 ☐ PRITEC
6 ☐ FUSION BONDED EPOXY
8 ☐ PLASTIC TAPE WRAP
9 ☐ EXTRUDED POLY COATING
10 ☐ OTHER

CONDITION OF PIPE COATING

- E ☐ EXCELLENT
G ☐ GOOD
F ☐ FAIR
P ☐ POOR
N ☐ NO COATING

CONDITION OF PIPE

IF EXPOSED. EXTERNAL	IF CUT OR COUPON. INTERNAL
1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> 6. <u> </u> 7. <u> </u> 8. <u> </u> 9. <u> </u> 10. <u> </u> 11. <u> </u> 12. <u> </u> 13. <u> </u> 14. <u> </u> 15. <u> </u> 16. <u> </u> 17. <u> </u> 18. <u> </u> 19. <u> </u> 20. <u> </u>	1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> 6. <u> </u> 7. <u> </u> 8. <u> </u> 9. <u> </u> 10. <u> </u> 11. <u> </u> 12. <u> </u> 13. <u> </u> 14. <u> </u> 15. <u> </u> 16. <u> </u> 17. <u> </u> 18. <u> </u> 19. <u> </u> 20. <u> </u>

- | | | |
|-----|---|------------------------------|
| EG | ☐ GOOD | ☐ IG |
| ESC | ☐ SLIGHT CORROSION | ☐ ISC |
| EHC | ☐ HEAVY CORROSION | ☐ IHC |

HOT TAP TIE-IN #4

TECHNICIAN

SIGNATURE

DATE _____

WELD PROCEDURES USED:

[illegible]

SHEET 9 -1631 FREMONT ST

FOR STEEL ONLY TIE-IN #8

PIPE TO SOIL _____

ANODE INSTALLED?

	YES	NO
1. Do you have a current driver's license?		
2. Do you have a current vehicle registration?		
3. Do you have a current insurance policy?		
4. Do you have a current title?		
5. Do you have a current sales tax certificate?		
6. Do you have a current license plate?		
7. Do you have a current title transfer fee?		
8. Do you have a current title transfer tax?		
9. Do you have a current title transfer fee?		
10. Do you have a current title transfer tax?		

Page 10 of 10

IF YES, PIPE TO SOIL_____

TYPE OF PIPE COATING

- 2 ☐ TAR WRAP
3 ☐ ASPHALT
4 ☐ PRITEC
6 ☐ FUSION BONDED EPOXY
8 ☐ PLASTIC TAPE WRAP
9 ☐ EXTRUDED POLY COATING
10 ☐ OTHER

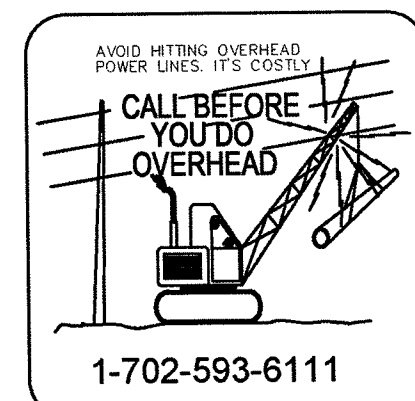
CONDITION OF PIPE COATING

- E ☐ EXCELLENT
G ☐ GOOD
F ☐ FAIR
P ☐ POOR
N ☐ NO COATING

CONDITION OF PIPE

IF CUT OR
COUPON.
INTERNAL

- | | | |
|-----|---|------------------------------|
| EG | ☐ GOOD | ☐ IG |
| ESC | ☐ SLIGHT CORROSION | ☐ ISC |
| EHC | ☐ HEAVY CORROSION | ☐ IHC |



WELD PROCEDURES USED:

[illegible]

SHEET 12 – MAIN

FOR STEEL ONLY TIE-IN #13

PIPE TO SOIL _____

ANODE INSTALLED?

YES	NO
-----	----

11

IF YES, PIPE TO SOIL_____

TYPE OF PIPE COATING

- 2 ☐ TAR WRAP
3 ☐ ASPHALT
4 ☐ PRITEC
6 ☐ FUSION BONDED EPOXY
8 ☐ PLASTIC TAPE WRAP
9 ☐ EXTRUDED POLY COATING
10 ☐ OTHER

CONDITION OF PIPE COATING

- E ☐ EXCELLENT
G ☐ GOOD
F ☐ FAIR
P ☐ POOR
N ☐ NO COATING

CONDITION OF PIPE

IF EXPOSED. EXTERNAL	IF CUT OR COUPON. INTERNAL
-------------------------	----------------------------------

- | | | |
|-----|---|------------------------------|
| EG | ☐ GOOD | ☐ IG |
| ESC | ☐ SLIGHT CORROSION | ☐ ISC |
| EHC | ☐ HEAVY CORROSION | ☐ IHC |

HOT TAP TIE-IN #13

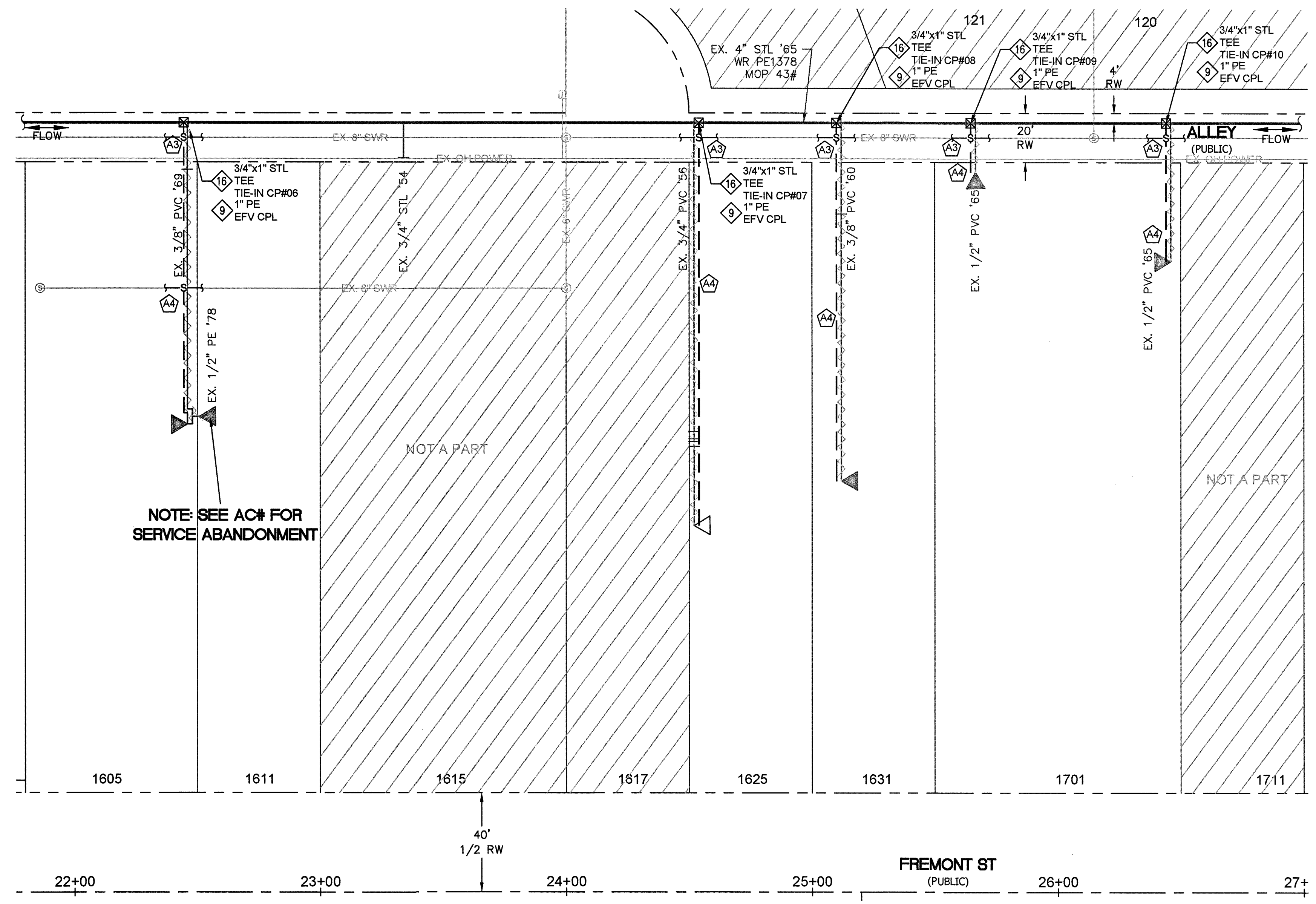
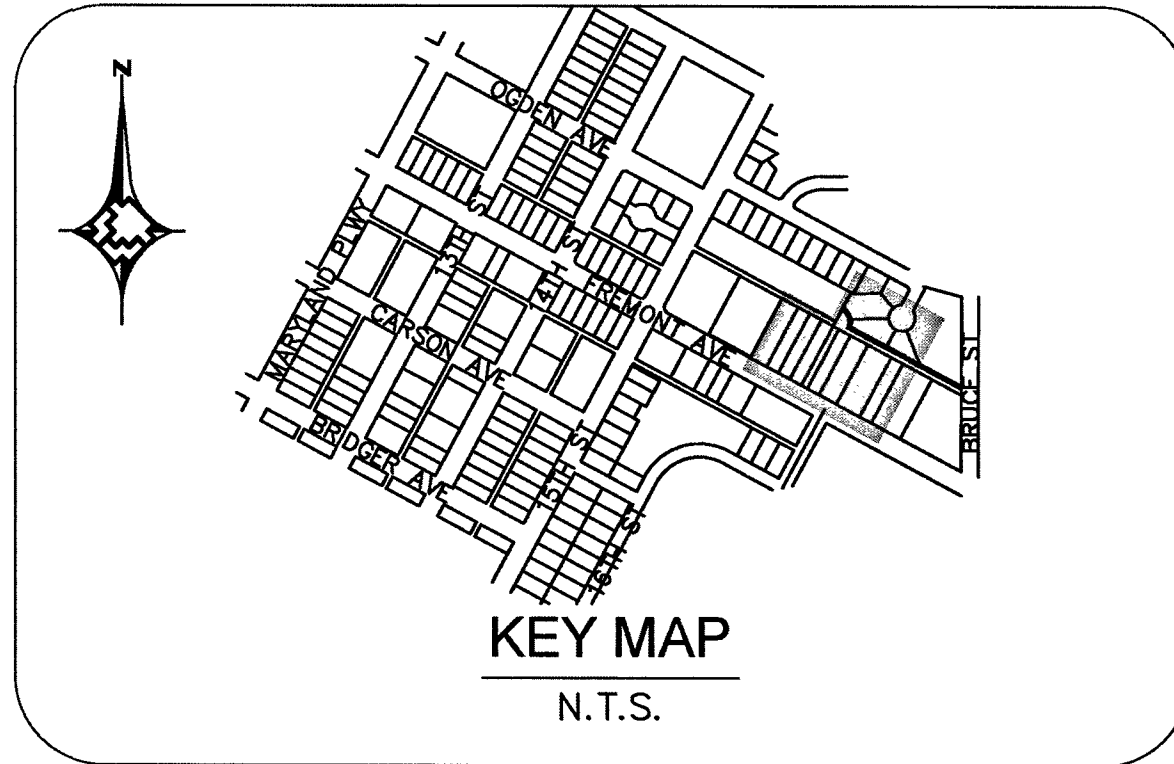
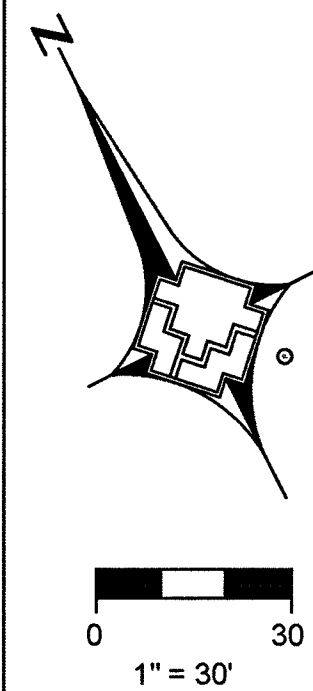
TECHNICIAN

SIGNATURE

DATE _____

WELD PROCEDURES USED:

[illegible]



MATERIAL LIST FOR ABANDONED FACILITIES			
ITEM#	QTY. (AS-BUILT)	PROPERTY UNIT #	DESCRIPTION

MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES			
ITEM#	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
2		101-8526	PROPOSED 1" PE SERVICE
9		160-8403	PROPOSED 1" PE EFV COUPLING
13		850-9353	PROPOSED 1" PE TEE
16		160-7981	PROPOSED 3/4"x1" STL TEE

RTC NOTES:
PAVEMENT REPAIR SHALL CONFORM TO RTC:

- A500.3
- A500.4
- A500.5
- A503

CLV REVISION

1	CA	053119	
2			
3			
4			

NO.	DESCRIPTION	BY	DATE	APPVD.

SOUTHWEST GAS CORPORATION

TAX CODES	UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED	INSTL. COMPLETED	RETIRED

AS-BUILT DRAWING-PRESSURE TEST DATA

PIPE DIA.	TEST MEDIUM	TEST METHOD
PIPE LENGTH	☐ AIR ☐ GAUGE	☐ CHART
PIPE TYPE	☐ NITROGEN ☐ SOAP	☐ PRESS REC SW
MIN. DURATION		
TEST PRES. (PSIG): (MAX)	(MIN)	
TIME: (START)	(STOP)	
DATE: (START)	(STOP)	
PERFORMED BY:		
SWG VERIFIED BY:		

INDIVIDUAL PERFORMING VISUAL INSPECTION

VISUAL INSPECTION CERTIFICATION

I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT HAVE PERFORMED

NAME	DATE

CONSTRUCTION

INSPECTOR	FOREMAN
REVIEWED BY	

PERMIT INFORMATION

CITY OF LAS VEGAS

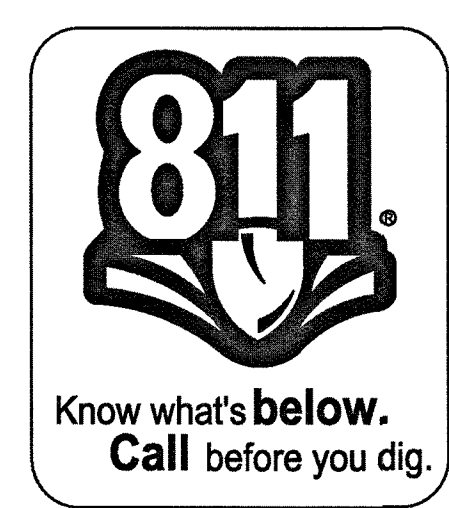
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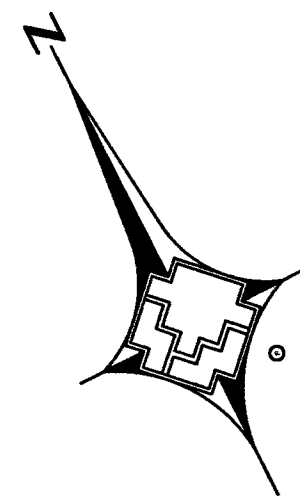
ISOLATION AREA	W.R. NO.
DIST_293	3432774
LOCATION	ATLAS #/TILE #
SEC 35	x630y514
T20S R61E	x633y514
M.D.M.	

ENGINEER/TECH: CHRIS ANDERSEN	PHONE: 702-365-2139
ACCOUNT REP:	PHONE:
PROJECT CONTACT: CHRIS ANDERSEN	PHONE: 702-365-2139
SHEET NO: 9 OF 13	SCALE: 1" = 30'
DWN. BY: BC&F	DATE: 5/31/2019
CHKD. BY:	APPVD. BY:

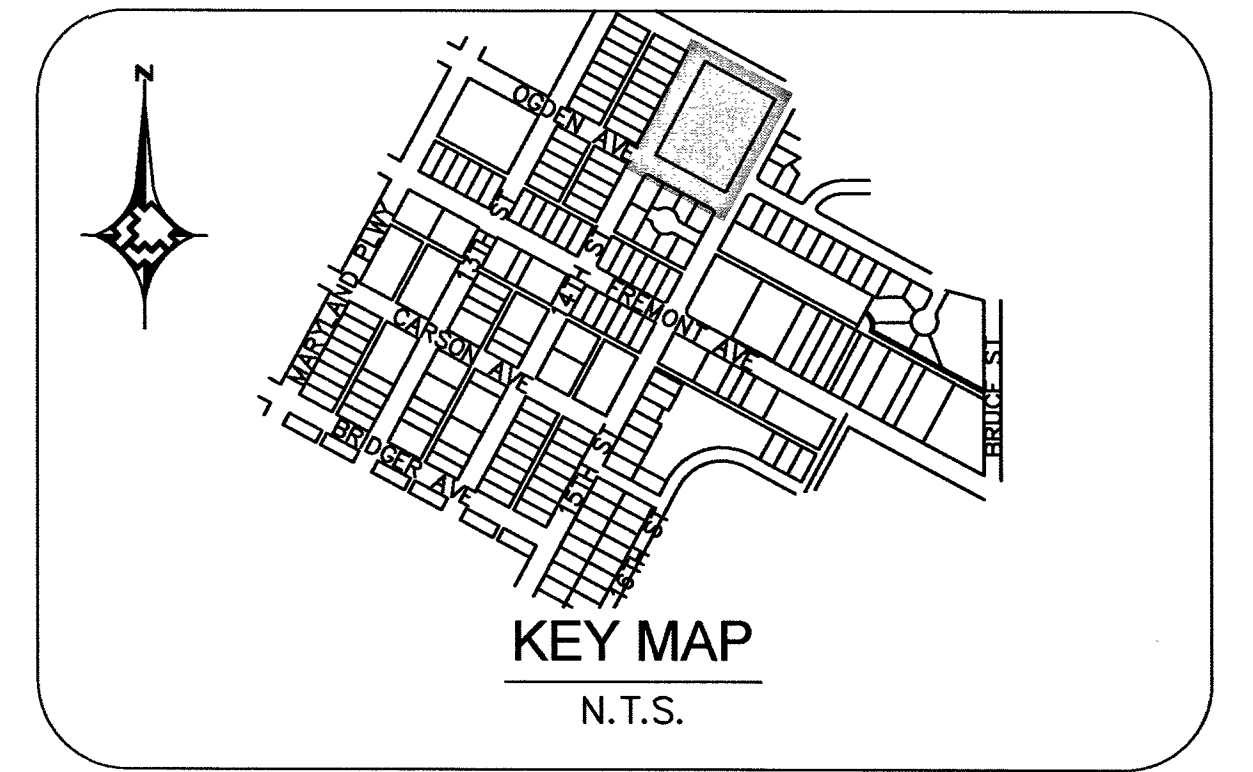
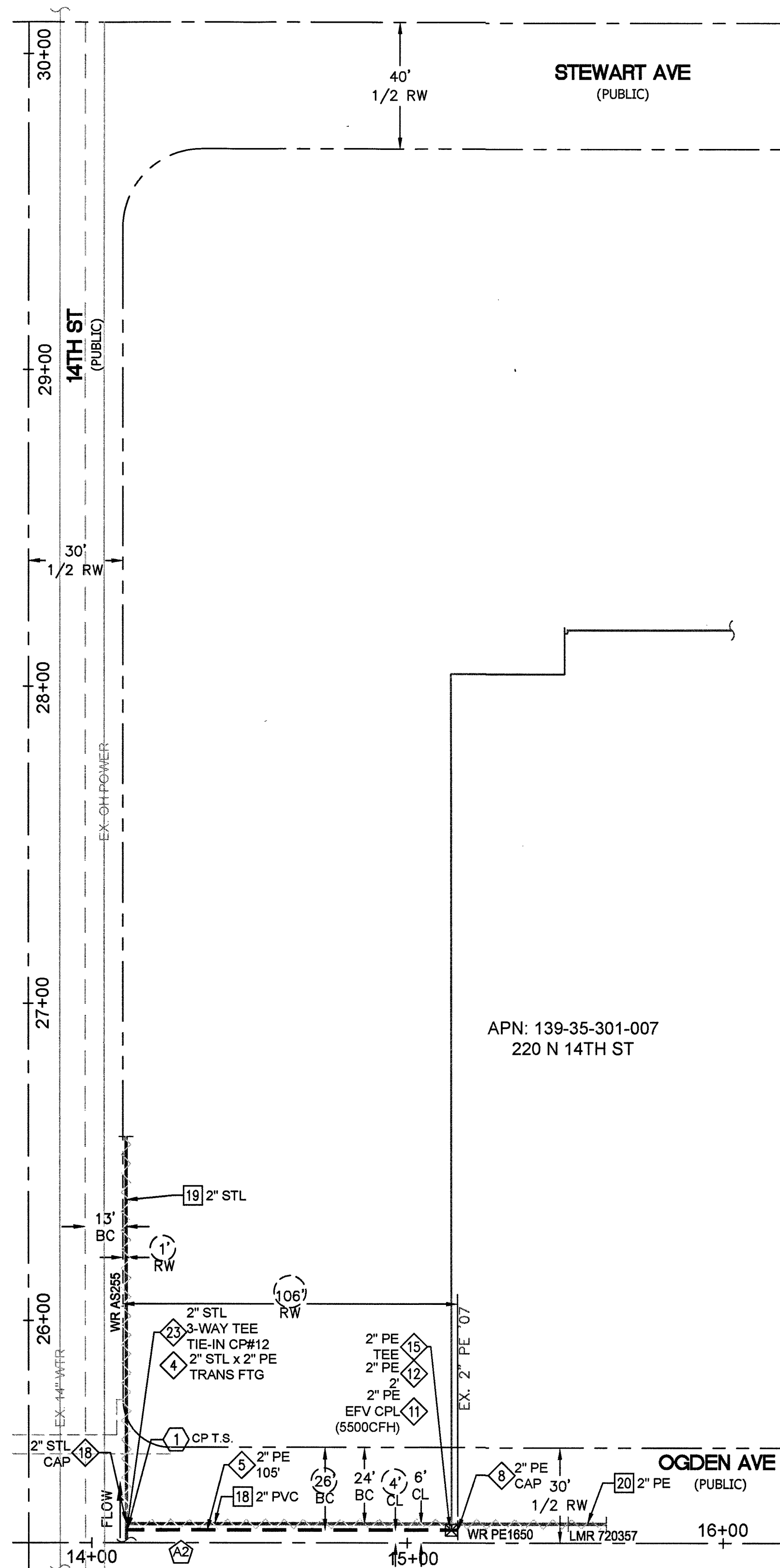
TITLE

GIR 2018-DPI-CLV-
CARSON AVE & 14TH ST
DESIGN PLAN 3





0 1" = 30' 30



MATERIAL LIST FOR ABANDONED FACILITIES			
ITEM#	QTY. (AS-BUILT)	PROPERTY UNIT #	DESCRIPTION
18			ABANDON 2" PVC '66 MOP 43#
19			ABANDON 2" STL '56 MOP 43#
20			ABANDON 2" PE '98 MOP 43#

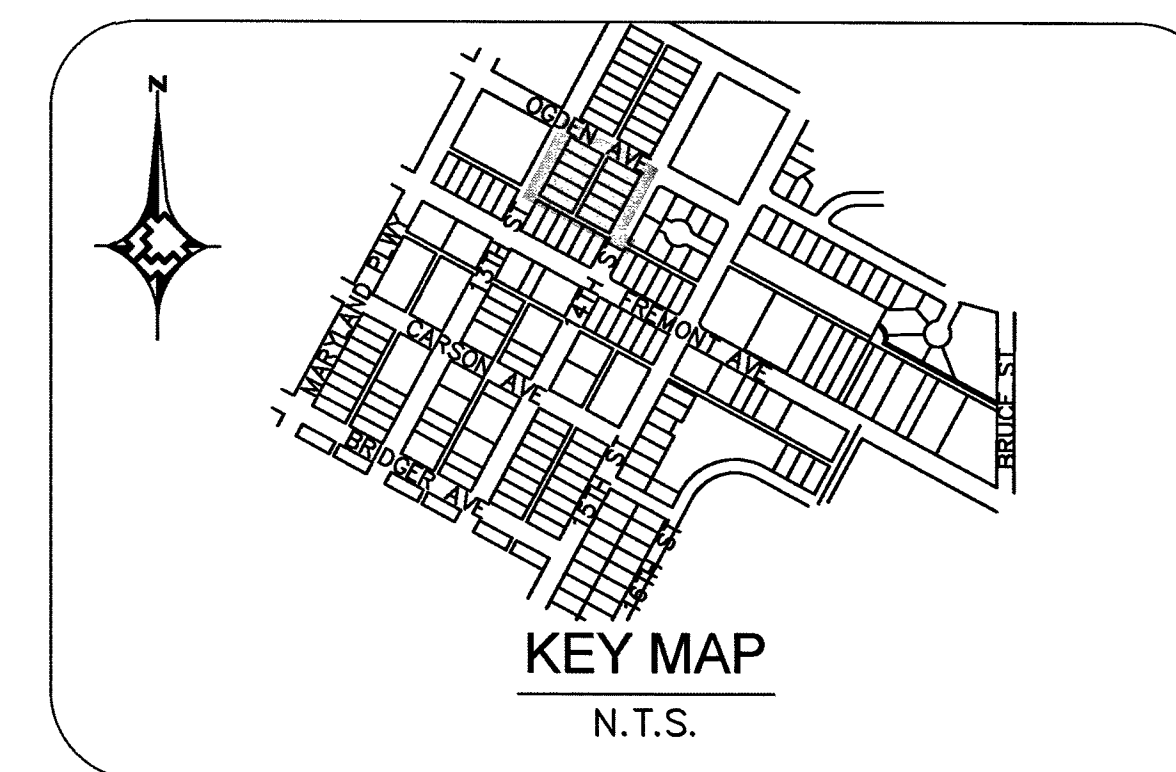
MATERIAL LIST FOR PROPOSED DISTRIBUTION FACILITIES			
ITEM#	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
2		101-8526	PROPOSED 1" PE SERVICE
5		100-5101	PROPOSED 2" PE MAIN
6		140-3067	PROPOSED 2" PE 90° ELBOW
8		140-3060	PROPOSED 2" PE CAP
10		160-8163	PROPOSED 4" STL X 4" PE TRANSITION FITTING
14		140-5118	PROPOSED 4" X 2" PE REDUCER
20		160-8405	PROPOSED 1" PE EFV COUPLING (1,800 CFH)
23		160-8000	PROPOSED 2" STL 3-WAY TAPPING TEE

MATERIAL LIST FOR PROPOSED STL FACILITIES			
ITEM#	QTY. (AS-BUILT)	STOCK ID#	DESCRIPTION
1		251-2406	PROPOSED 5-TERM CP TEST STATION

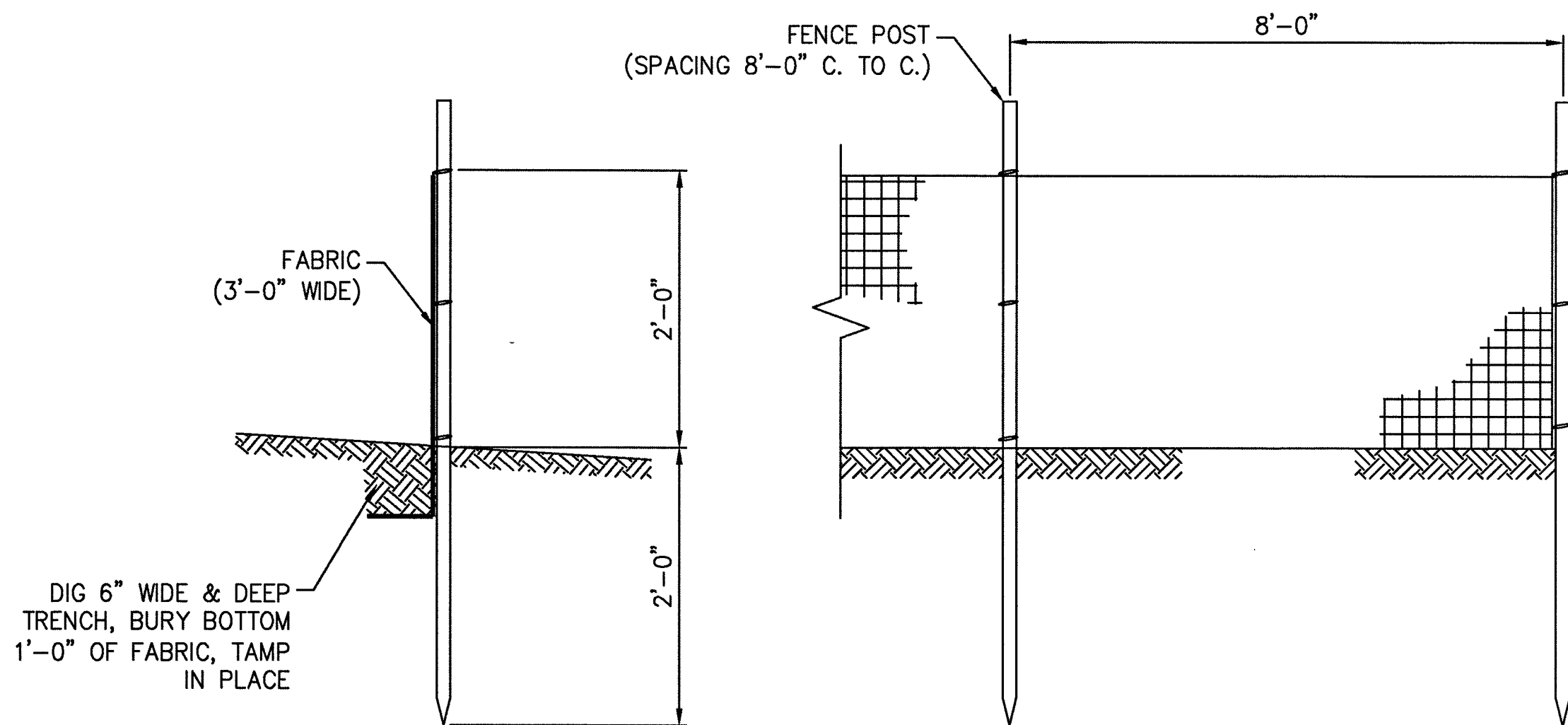


RTC NOTES:
PAVEMENT REPAIR SHALL CONFORM TO RTC:
A1 500.3
A2 500.4
A3 500.5
A4 503

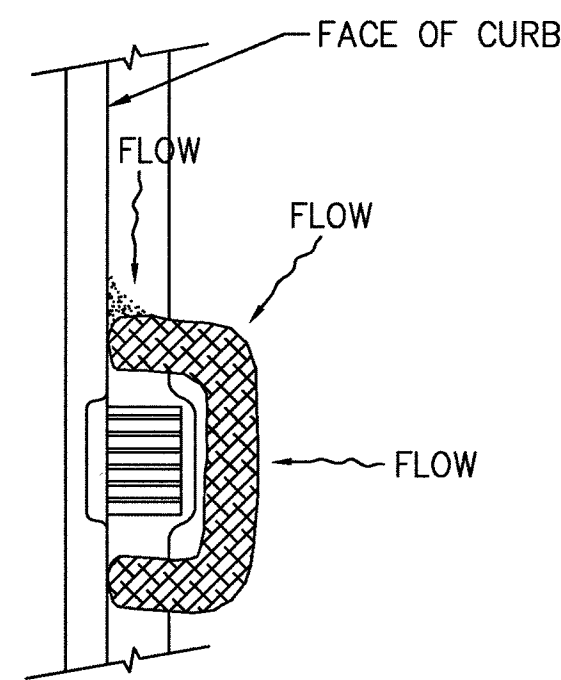
CLV REVISION		CA	053119		
2.					
3.					
4.					
NO.	DESCRIPTION	BY	DATE	APPVD.	
REVISIONS					
TAX CODES		UNIT NO.	UNIT TYPE	INSTL. PROPOSED	RETIRED COMPLETED
PROPERTY UNITS					
SEE SHEET 3					
AS-BUILT DRAWING-PRESSURE TEST DATA					
PIPE DIA. _____ TEST MEDIUM _____ TEST METHOD _____					
PIPE LENGTH _____ ☐ AIR ☐ GAUGE					
PIPE TYPE _____ ☐ NITROGEN ☐ CHART					
MIN. DURATION _____ ☐ WATER ☐ GAUGE/					
TEST PRES. (PSIG): (MAX) _____ (MIN) _____					
TIME: (START) _____ (STOP) _____					
DATE: (START) _____ (STOP) _____					
PERFORMED BY: _____					
SING VERIFIED BY: _____					
INDIVIDUAL PERFORMING VISUAL INSPECTION					
I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED					
NAME _____ DATE _____					
CONSTRUCTION					
INSPECTOR _____					
FOREMAN _____					
REVIEWED BY _____					
PERMIT INFORMATION					
CITY OF LAS VEGAS					
TAX CODE: 02-0203					
ISOLATION AREA		W.R. NO.		ENGINEER/TECH: CHRIS ANDERSEN	
DIST_293		3432774		PHONE: 702-365-2139	
LOCATION		ATLAS #/TITLE #		ACCOUNT REP:	
SEC 35		x630y514		PHONE: 702-365-2139	
T20S R61E		x633y514		PROJECT CONTACT: CHRIS ANDERSEN	
M.D.M.				SHEET NO: 11 OF 13	
				SCALE: 1" = 30'	
				DATE: 5/31/2019	
				DWN. BY: BC&F	
				CHKD. BY: _____	
				APPVD. BY: _____	
TITLE					
GIR 2018-DPI-CLV-					
CARSON AVE & 14TH ST					
DESIGN PLAN 5					

[illegible]

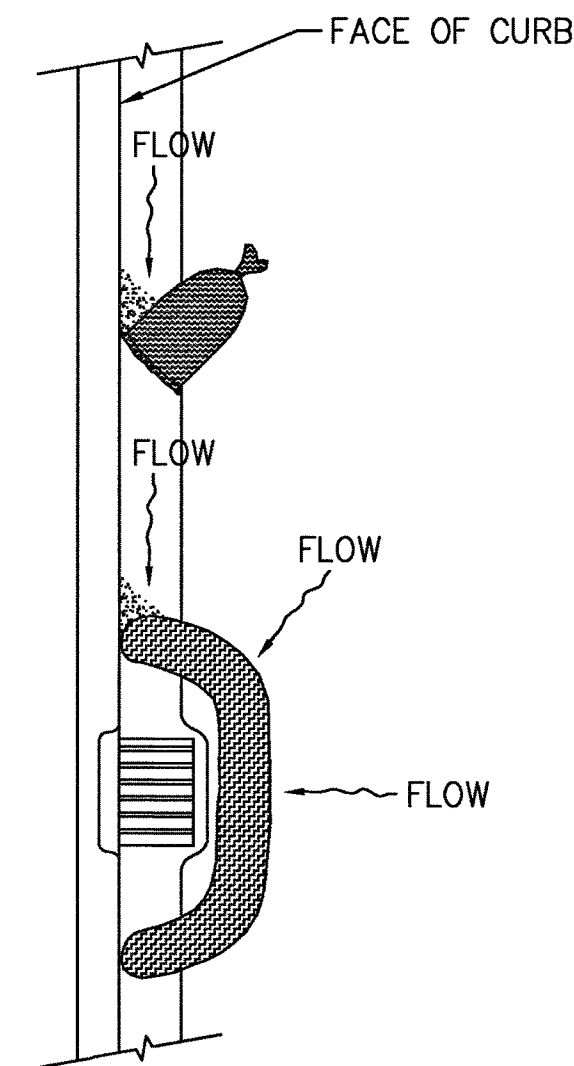
TYPICAL SWPPP BMPs DETAILS



SILT FENCE
NOT TO SCALE

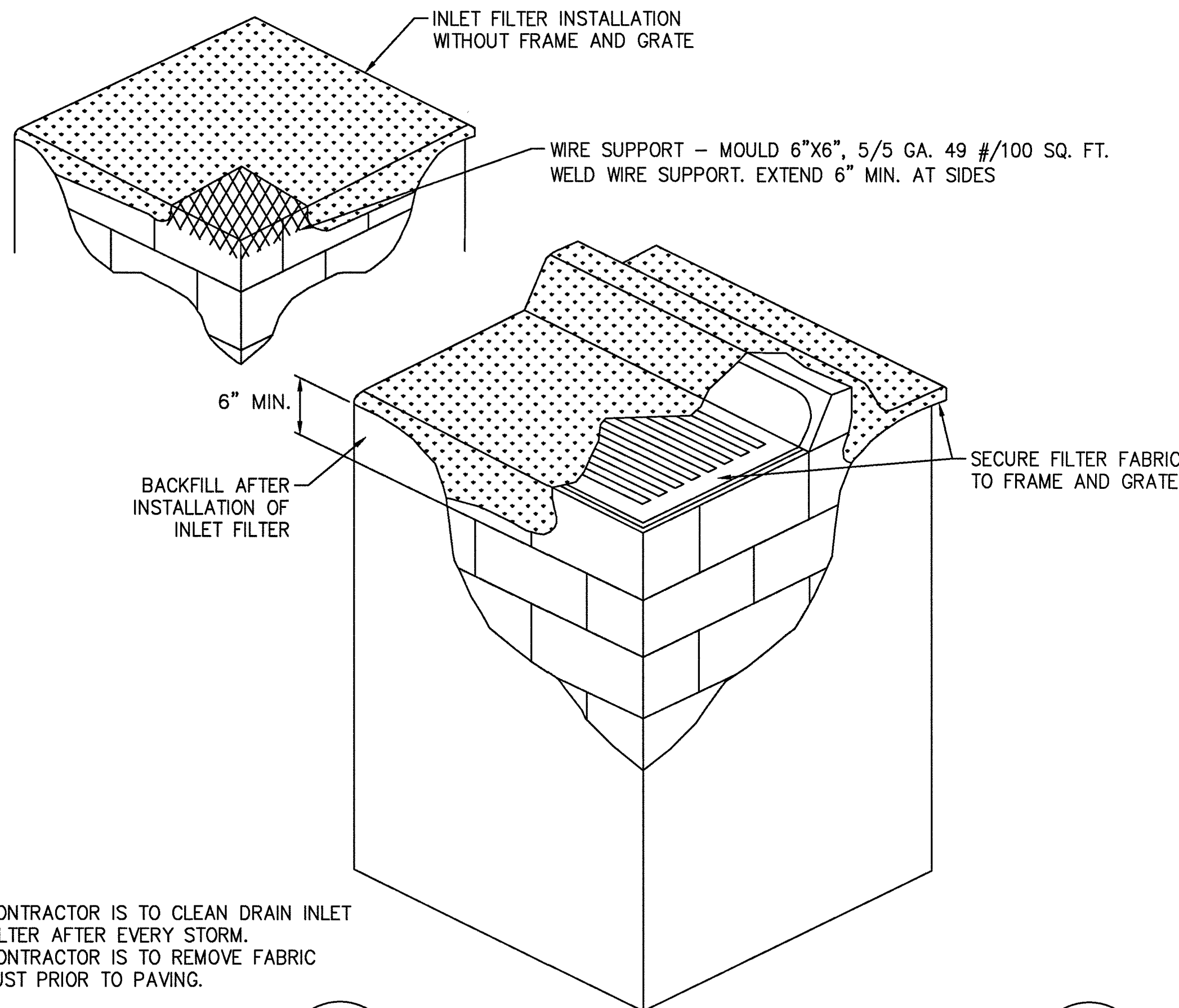


2 FIBER ROLL
11 NOT TO SCALE

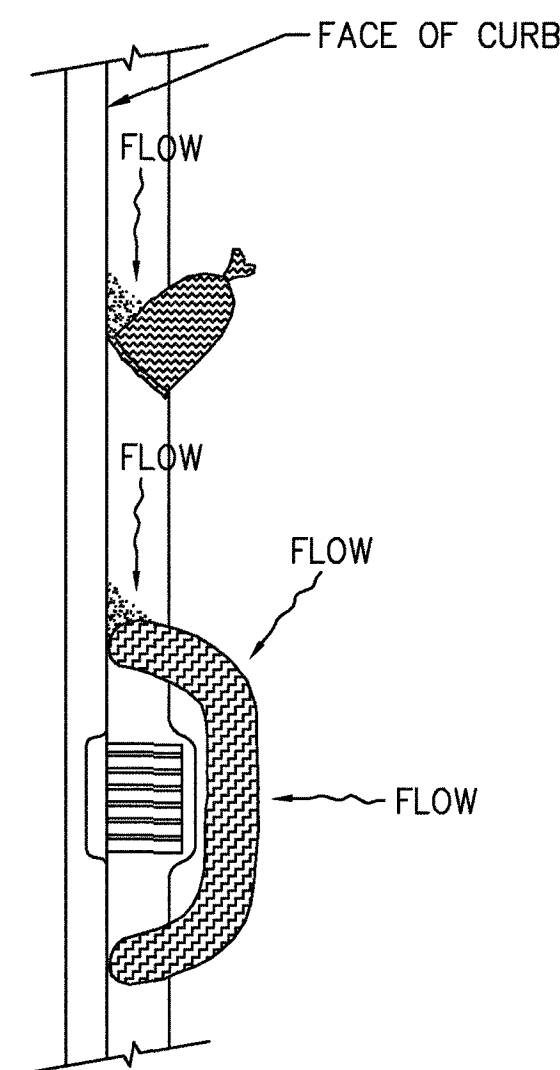


3 SAND BAG / ROLL
11 NOT TO SCALE

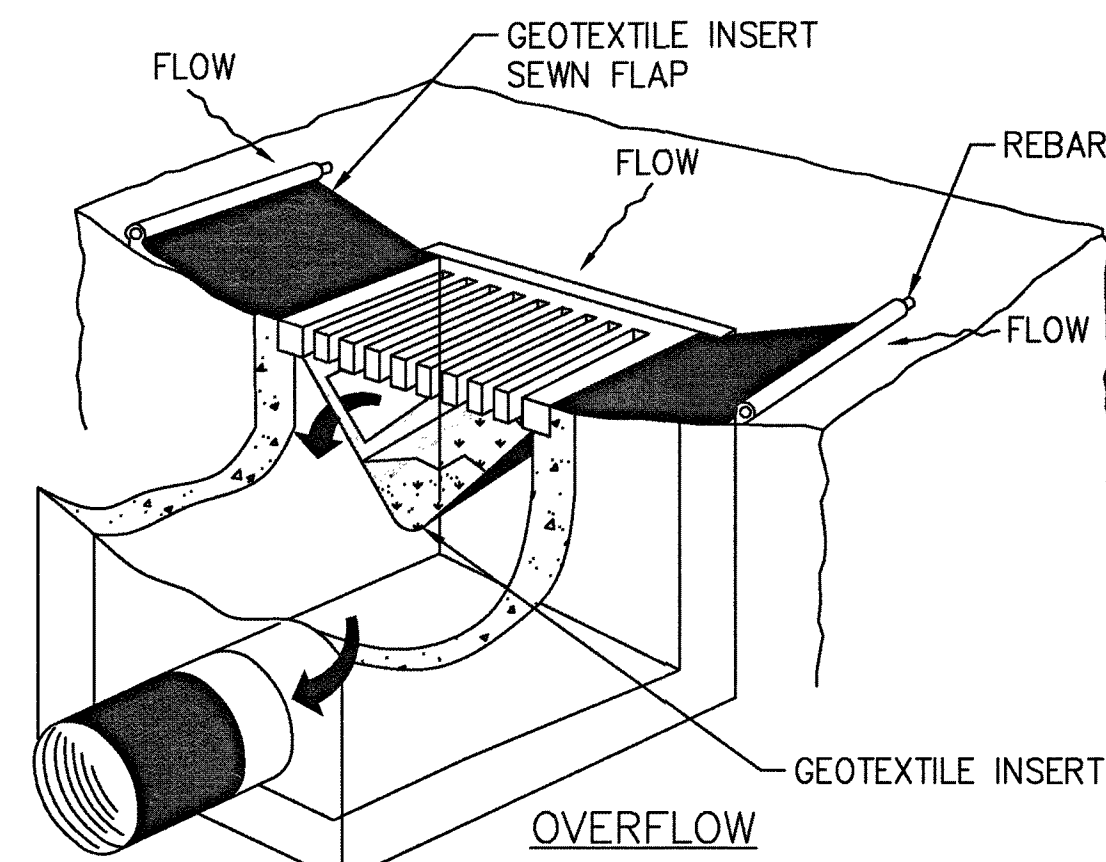
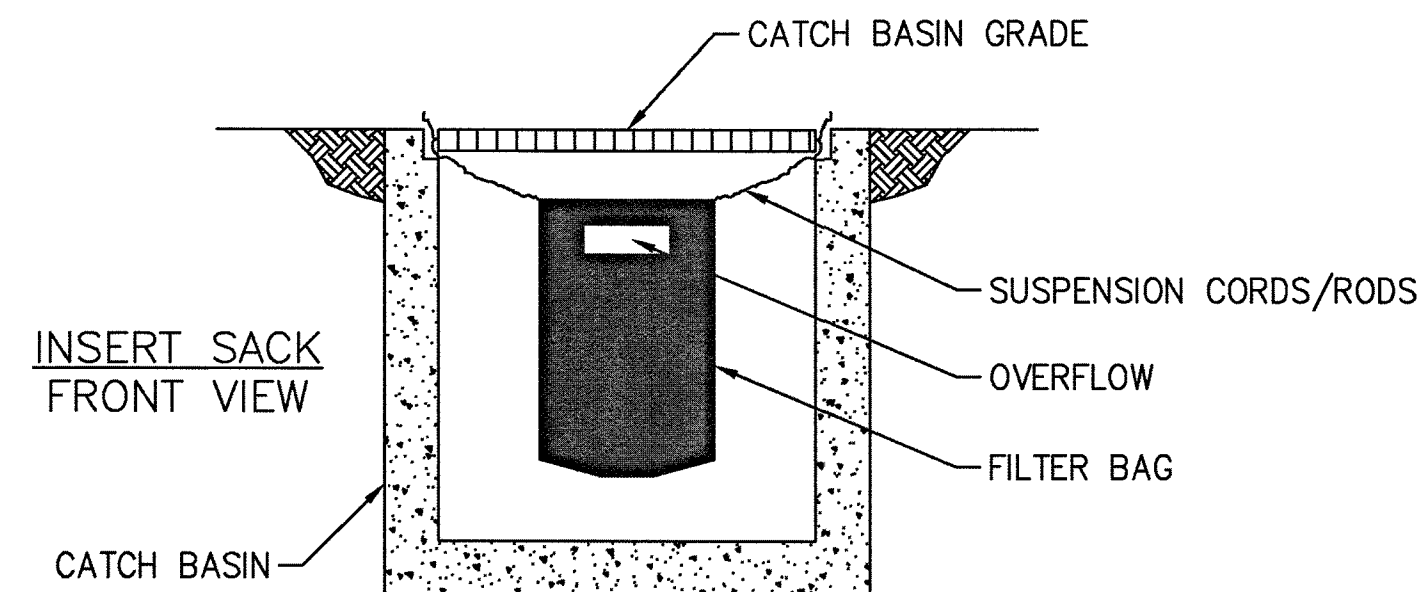
1. SOUTHWEST GAS CORPORATION, IT'S CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL INSTALL ONE OF THE APPROPRIATE BMPs FOR THE PROTECTION OF EXISTING STORM DRAIN INLETS, WITHIN OR SIGNIFICANTLY NEAR ANY IMPROVED RIGHT-OF-WAY, FROM DEBRIS AND SEDIMENT RESULTING FROM CONSTRUCTION OF NATURAL GAS FACILITIES.
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 DO 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 TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.



4 DRAIN INLET FILTER
11 NOT TO SCALE



5 GRAVEL BAG / ROLL
11 NOT TO SCALE

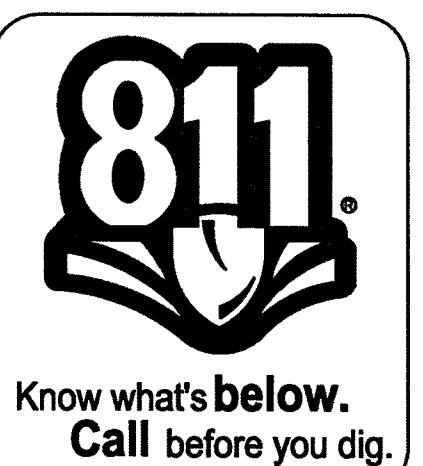
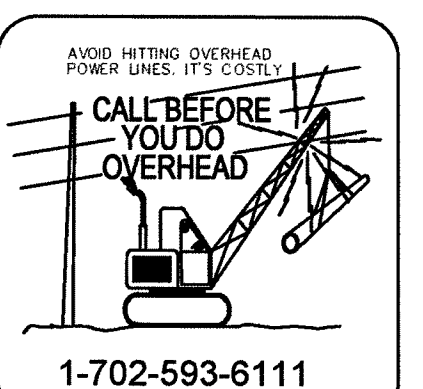


6 SEDIMENT FILTER BAG
11 NOT TO SCALE

NOTE:

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

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

[illegible]