Date: Dec 28, 2021, 4:58pm User ID: rjohn File: P:/205l41/08\Desian\Civil\CV2054108.d/

# TALLEY RD EXTENSIONSAN ANTONIO, TXSTREET AND WATER IMPROVEMENTS



# LOCATION MAP NOT-TO-SCALE

OWNER INFORMATION TALLEY EXTENSION REVITALIZATION INITIATIVE, LLC. 1202 W. BITTERS, BUILDING 1, SUITE 1200 SAN ANTONIO, TX 78216

SHEET NAME	SHEET
	NO.
OVERALL UTILITY PLAN	1.0
MASTER DRAINAGE PLAN	2.0
OVERALL GRADING PLAN	3.0
TALLEY RD. PLAN AND PROFILE (SHEET 1 OF 3)	5.0
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# SHEET INDEX



THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEA



PLAT NO. 21-11800465

SHEET 0.0





	ΔΡΕΛ	(Acres)	C	T (min)		T (min)	T. (min)	T. (min)	le (in /br)	las (in/hr)	less (in/br)	$O_{r}$ (f+ <sup>3</sup> /r)	$O_{c-1}(ft^{3}/c)$	$O_{4} = (ft^3/c)$
1	0S-1	50.03	0.68	20.00		10.00	4 00	34	3 466	4 779	5 918	117 93	162 59	201 32
	05-1	50.05	0.00	20.00	CARRYOVER FROM	10.00	4.00	54	5.400	4.775	5.510	117.55	102.55	201.52
2	OS- 1 + DA-2	54.59	0.68	20.00	PT. 1	10.00	5.00	35	3.413	4.707	5.828	126.98	175.10	216.83
	DA-2	4.56	0.70											
3	DA-3	5.48	0.77	10.00		1.00	2.00	13	5.662	7.888	9.854	23.89	33.29	41.58
4		1.87	0.67	10.00		1.00	1.00	12	5.864	8.186	10.238	7.35	10.26	12.83
5	PI.2+PI.4+DA-5+DA-7+	66.02	0.69	20.00		10.00	× 00	20	2 264	4 504	5 500	162.46	224 05	270 00
	DA-5	3 91	0.67	20.00	P1. 2	10.00	8.00	38	5.204	4.504	5.580	102.40	224.85	278.89
64	DA-64	1.68	0.07	5.00		0.00	4.00	9	6 5/12	9 166	11 /19/	10.44	14.63	18 3/
6B	PT. 6A + DA-6B + DA-7A	11.21	0.71	10.00		3.00	2.00	15	5.280	7.320	9.115	42.14	58.42	72.75
	DA-6B	9.53	0.67											
РТ	. 6B BYPASS				BYPASS FROM ON G	SRADE CUR	B INLETS (I	РТ. 6В)	1			10.42	19.78	28.78
PT. (	6B CAPTURED				CAPTURED FROM ON	I GRADE CL	JRB INLETS	(PT.6B)				31.28	38.04	43.20
6C	DA-6C	5.56	0.67	10.00		2.00	1.00	13	5.662	7.888	9.854	21.09	29.39	36.71
	DA-6C+6BBYPASS					1		1				31.51	49.17	65.49
7	DA-7	6.66	0.67	10.00		2.00	2.00	14	5.468	7.600	9.480	24.40	33.91	42.30
/A	DA-7A	3.85	0.67	10.00		2.00	2.00	14	5.468	7.600	9.480	14.10	19.61	24.45
8B	DA-88	4.28	0.67	10.00		0.00	1.00	11	6.075	8.495	10.637	17.42	15.60	19 53
9A	DA-9A + DA-8B	5.43	0.67	10.00		2.00	1.00	13	5.662	7.888	9.854	20.60	28.70	35.85
	DA-9A	2.69	0.67											
0.0					CARRYOVER FROM									
98	DA-9B+ PT. 9A	11.54	0.67	10.00	PT. 9A	3.00	1.00	14	5.468	7.600	9.480	42.28	58.77	73.30
	DA-9B	6.11	0.67	10.00		2.00	1.00	13	5.662	7.888	9.854	23.18	32.29	40.34
10					CARRYOVER FROM									
	PT.8A + DA-10	6.35	0.67	11.00	PT.8A	0.00	1.00	12	5.864	8.186	10.238	24.95	34.83	43.56
11	DA-10	2.07	0.67	10.00		2.00	1.00	14	F 400	7.000	0.490	24.01	24.62	42.10
		6.80	0.67	10.00		3.00	1.00	14	5.468	7.600	9.480	24.91	34.63	43.19
12	+DA-12	28 99	0.67	10.00	PT 9B	4.00	2.00	16	5,101	7 066	8 791	99.08	137.24	170.75
	DA-12	4.30	0.67	10.00	1 1.50	1.00	2.00	10	5.101	7.000	0.751	55.00	137.21	1/0./5
13	DA-13	10.98	0.67	20.00		1.00	3.00	24	4.143	5.715	7.081	30.48	42.04	52.09
14	PT.12+PT.13+DA-				CARRYOVER FROM									
14	14+PT.16	52.40	0.69	10.00	PT.12	6.00	1.00	17	4.941	6.838	8.501	179.02	247.78	308.03
	DA-14	3.04	0.73											ļ
15A	DA-15A	1.71	0.95	5.00		0.00	3.00	8	6.807	9.540	11.967	11.06	15.50	19.44
15B		0.47	0.72	0.00	CARRYOVER FROM	0.00	2.00	10	c 200	0.000	11 052		F4 20	69.02
	DA-15A + DA 15B	8.47 6.76	0.73	8.00	P1.15A	0.00	2.00	10	6.300	8.820	11.053	38.77	54.28	68.02
16	DA-156	9 39	0.07	10.00		2 00	3.00	15	5 280	7 320	9 115	38.18	52.93	65.91
17	DA-17	3.97	0.67	10.00		2.00	2.00	14	5.468	7.600	9.480	14.54	20.22	25.22
18	DA-18	8.68	0.77	10.00		4.00	1.00	15	5.280	7.320	9.115	35.29	48.92	60.92
19	DA-19	2.54	0.67	10.00		2.00	1.00	13	5.662	7.888	9.854	9.64	13.42	16.77
20	PT.14+PT.15B+PT.17+P				CARRYOVER FROM									
20	T.18+PT.19+DA-20	80.75	0.71	10.00	PT.14	7.00	2.00	19	4.664	6.447	8.005	266.06	367.76	456.61
	DA-20	4.69	0.77											
21	DA-21	4.30	0.75	10.00		1.00	2.00	13	5.662	7.888	9.854	18.23	25.39	31.72
22	DA-22	4.75	0.67	10.00		3.00	0.00	13	5.662	7.888	9.854	18.02	25.10	31.36
23	UA-23	/.39	0.67	10.00		4.00	2.00	16	5.101	7.066	8.791	25.26	34.99	43.53
24	DΔ-24+PT 34	86 65	0.71	10.00	Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο Ο	9 00	0.00	10	4 664	6 4/17	8 005	286 82	396 15	492 24
	ΠΔ-24	1 60	0.71	10.00	r 1.34	9.00	0.00	15	4.004	0.447	0.000	200.02	390.43	+92.24
25	DA-25	3.93	0.77	10.00		5.00	1.00	16	5.101	7.066	8.791	15.44	21.38	26.60
26	DA-26	6.73	0.77	10.00		4.00	1.00	15	5.280	7.320	9.115	27.36	37.93	47.24
77					CAPTURED BY CURB									
27	DA-27	8.71	0.77	10.00	INLET ON GRADE	1.00	6.00	17	4.941	6.838	8.501	33.14	45.86	57.02
28	DA-28	3.83	0.67	10.00		1.00	2.00	13	5.662	7.888	9.854	14.53	20.24	25.29
29	DA-29	4.39	0.67	10.00		1.00	2.00	13	5.662	7.888	9.854	16.65	23.20	28.98
30	DA-30	4.34	0.67	10.00		0.00	3.00	13	5.662	7.888	9.854	16.46	22.94	28.65
31	DA-31	7.75	0.90	5.00		3.00	4.00	12	5.864	8.186	10.238	40.90	57.10	/1.41
32	DA-32	5.60	0.77	10.00		3.00		13	4.941 1 011	۵۲۵.۵ مدی م	0.5UI 8 501	21.31	29.49	30.00
	UA-33	3.00	0.77	10.00		5.00	0.00	22	4.941	0.030	100.0	21.53	29.80	57.05
34	PT.20+PT 21	85.05	0.71	10.00	PT.20	9.00	0.00	19	4,664	6.447	8.005	281 07	388 51	482 37
	PT.5+PT.6B+PT.23+		0.71	10.00	CARRYOVER FROM	5.00	0.00			J++/	0.000	201.07	550.51	-102.07
35	PT.24+PT.25+DA-31	183.86	0.71	10.00	PT.5	28.00	0.00	38	3.264	4.504	5.580	424.00	585.00	724.78
						-			-					
36	AC + PT AR RVDACC											62.79	87.21	108.69
	UC TTT. UD DTFA33													<u> </u>
·		1										178 20	245 82	305.51



3. POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL SURFACE AREAS WITHIN THE SCOPE OF THIS PROJECT. DRAINAGE



# TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS. PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

# THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES

INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES. SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

BEXAR COUNTY R.O.W. NOTE

A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY R.O.W.





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BEXAR COUNTY R.O.W. NOTE

A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY R.O.W.





![](_page_7_Figure_0.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

TRENCH EXCAVATION SAFETY PROTECTION CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

BEXAR COUNTY R.O.W. NOTE A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY R.O.W.

![](_page_12_Picture_2.jpeg)

![](_page_12_Figure_4.jpeg)

<u>LEGEND</u>					
E.G.T.TV.E.	=	GAS, ELECTRIC, TELEPHONE & CABLE EASEMENT			
()	=	WHEELCHAIR RAMP TYPE I SEE SHEET 5.5			
(I)	=	WHEELCHAIR RAMP TYPE II SEE SHEET 5.5			
SDW	=	SINGLE DIRECTIONAL WHEEL CHAIR RAMP SEE SHEET 5.5			
DDW	=	DOUBLE DIRECTIONAL WHEEL CHAIR RAMP SEE SHEET 5.5			
tha a ann an S	=	SIDEWALK TO BE CONSTRUCTED BY DEVELOPER			

= PROPOSED DRIVEWAY LOCATION

![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_14_Figure_0.jpeg)

5.10

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_3.jpeg)

.e: Dec 28, 2021, 5:00pm User ID: rjohn : P:\205\41\08\Desian\Civil\STREETS\TSDT2054108.dwa

![](_page_16_Figure_1.jpeg)

![](_page_16_Picture_2.jpeg)

# GENERAL WATER NOTES (JULY 2017)

 All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:

- A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Waste water System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking
- Water", TAC Title 30 Part 1 Chapter 290.
- B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage".
  C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction".
  D. Current City of San Antonio "Standard Specifications for Public Works Construction".
- E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).

2. The contractor shall not proceed with any pipe installation work until they obtain a copy of the approved Counter Permit or General Construction Permit (GCP) from the consultant and has been notified by SAWS Construction I nspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements. Work completed by the contractor without an approved Counter Permit and/or a GCP will be subject to removal and replacement at the expense of the contractors and/or the developer.

3. The Contractor shall obtain the SAWS Standard Details from the SAWS website, http://www.saws.org/business\_center/specs. Unless otherwise noted within the design plans.

4. The Contractor is to make arrangements with the SAWS Construction Inspection Division at (210) 233-2973, on notification procedures that will be used to notify affected home residents and/or property owners 48 hours prior to beginning any work.

5. Location and depth of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor at least 1 week prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS.

6. The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2 weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes:

- SAWS Utility Locates: http://www.saws.org/Service/Locates COSA Drainage (210) 207-0724 or (210) 207-6026
- COSA Drainage (210) 207-0724 or (210) 207-602 COSA Traffic Signal Operations (210) 206-8480
- COSA Traffic Signal Damages (210) 207-3951
- Texas State Wide One Call Locator 1-800-545-6005 or 811

7. The Contractor shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping and structures to its original or better condition if damages are made as a result of the project's construction.

8. All work in Texas Department of Transportation (TxDOT) and/or Bexar County right-of-way shall be done in accordance with respective construction specifications and permit requirements.

9. The Contractor shall comply with City of San Antonio or other governing municipality's tree ordinances when excavating near trees.

10. The Contractor shall not place any waste materials in the 100-year Flood Plain without first obtaining an approved Flood Plain Permit.

11. Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays. Request should be sent to constworkreq@saws.org. Weekend Work: Contractors are required to notify the SAWS Inspection Construction Department 48 hours in advance to request weekend work. Request should be sent to constworkreq@saws.org. Any and all SAWS utility work installed without holiday/weekend approval will be subject to be uncovered for proper inspection.

12. Compaction note (Item 804): The contractor shall be responsible for meeting the compaction requirements on all trench backfill and for paying for the tests performed by a third party. Compaction tests will be done at one location point randomly selected, or as indicated by the SAWS Inspector and/or the test administrator, per each 12-inch loose lift per 400 linear feet at a minimum. This project will not be accepted and finalized by SAWS without this requirement being met and verified by providing all necessary documented test results.

13. A copy of all testing reports shall be forwarded to SAWS Construction Inspection Division.

# Water Section

1. Prior to tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS Construction Inspection Division at least one week in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.

■ For water mains 12" or higher: SAWS Emergency Operations Center (210) 233-2014

2. Asbestos Cement (AC) pipe, also known as transite pipe which is known to contain asbestos containing material (ACM), may be located within the project limits. Special waste management procedures and health and safety requirements will be applicable when removal and/or disturbance of this pipe occurs. Such work is to be made under Special Specification Item No. 3000, "Special Specification for Handling Asbestos Cement Pipe".

3. Valve removal: Where the contractor is to abandon a water main, the control valve located on the abandoning branch will be removed and replaced with a cap/plug. (NSPI)

4. Suitable anchorage/thrust blocking or joint restraint shall be provided at all of the following main locations: dead ends, plugs, caps, tees, crosses, valves, and bends, in accordance with the Standard Drawings DD-839 Series and Item No. 839, in the SAWS Standard Specifications for Construction.

5. All valves shall read "open right".

6. PRVs Required: Contractor to verify that no portion of the tract is below ground elevation of <u>985</u> feet where the static pressure will normally exceed 80 PSI. At all such locations where the ground level is below <u>985</u> feet, the Developer or Builder shall install at each lot, on the customer's side of the meter, an approved type pressure regulator in conformance with the Plumbing Code of the City of San Antonio. No dual services allowed for any lot(s) if \*PRV is/are required for such lot(s), only single service connections shall be allowed. \*Note: A pressure regulator is also known as a pressure reducing valve (PRV).

7. Pipe Disinfection with Dry HTH for Projects less than 800 linear feet. (Item No. 847.3): Mains shall be disinfected with dry HTH where shown in the contract documents or as directed by the Inspector, and shall not exceed a total length of 800 feet. This method of disinfection will also be followed for main repairs. The Contractor shall utilize all appropriate safety measure to protect his personnel during disinfection operations.

# 8. Backflow Prevention Devices:

All irrigation services within residential areas are required to have backflow prevention devices.
 All commercial backflow prevention devices must be approved by SAWS prior to installation.

9. Final connection to the existing water main shall not be made until the water main has been pressure tested, chlorinated, and SAWS has released the main for tie-in and use.

# TALLEY RD EXTENSIONSAN ANTONIO, TXWATER IMPROVEMENTS

![](_page_17_Figure_36.jpeg)

# LOCATION MAP NOT-TO-SCALE

OWNER INFORMATION: TALLEY EXTENSION REVITALIZATION INITIATIVE, LLC. 1202 W. BITTERS RD, BUILDING 1, SUITE 1200 SAN ANTONIO, TX 78216

# SHEET INDEX

DESCRIPTION	SHEET NO.
WATER DISTRIBUTION COVER	7.0
WATER DISTRIBUTION PLAN	7.1

![](_page_17_Picture_41.jpeg)

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL

![](_page_17_Picture_42.jpeg)

SERVICE AREA: 8

DEVELOPER'S NAME: TALLEY EXTENSION REVITALIZATION INITIATIVE, LLC					
DEVELOPER'S ADDRESS: <u>1202 W. BITTERS RD, BUILDING 1, SUITE 1200</u>					
CITY: <u>SAN ANTONIO</u>	STATE: <u>TEXAS</u>	ZIP: <u>78258</u>			
PHONE#: F	AX#:	TOTAL ACREAGE: <u>4.53 AC.</u>			
SAWS BLOCK MAP#: <u>066604, 068</u>	3604	TOTAL EDU'S: <u>N/A</u>			
TOTAL LINEAR FOOTAGE OF PIF	PE: <u>160 L.F. ~ 8" PVC</u> <u>2,031 L.F. ~ 12" PVC</u>	PLAT NO.: 21-11800465			
NUMBER OF LOTS: <u>N/A</u>	SAWS JOB#: 21-12	206			

OB NO.: 205-41-

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# PLAT NO. 21-11800465

SHEET 7.0

![](_page_18_Figure_0.jpeg)

![](_page_18_Figure_3.jpeg)

![](_page_18_Figure_10.jpeg)

![](_page_19_Figure_0.jpeg)

DATE	SIGNATURE	

![](_page_20_Figure_0.jpeg)

![](_page_20_Figure_3.jpeg)

TYPICAL FIBER ROLL INSTALLATION

![](_page_20_Picture_5.jpeg)

FIBER ROLL

THE MATERIAL, INSTALLATION, INSPECTION, AND MAINTENANCE OF FIBER ROLLS WILL BE PER THE MANUFACTURE'S SPECIFICATIONS AND SHALL ALSO COMPLY WITH THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY CURRENT "TECHNICAL GUIDANCE ON BEST MANAGEMENT PRACTICES" AS NOTED BELOW.

# Material

(1) Core material: Core material should be biodegradable or recyclable. Material may be compost, mulch, aspen wood fibers, chipped site vegetation, agricultural rice or wheat straw, coconut fiber, 100% recyclable fibers, or similar materials.

(2) Containment Mesh: Containment mesh should be 100% biodegradable, photodegradable or recyclable such as burlap, twine, UV photodegradable plastic, polyester, or similar material. When the fiber role will remain in place as part of a vegetative system use biodegradable or photodegradable mesh. For temporary installation recyclable mesh is recommended.

# Implementation (1) Locate fiber rolls on level contours spaced as follows:

Slope inclination of 4:1 (H:V) or flatter: Fiber rolls should be placed at a maximum interval of 20 ft. Slope inclination between 4:1 and 2:1 (H:V): Fiber Rolls should be placed at a

maximum interval of 15 ft. (a closer spacing is more effective). Slope inclination 2:1 (H:V) or greater: Fiber Rolls should be placed at a maximum interval of 10 ft. (a closer spacing is more effective).

(2) Turn the ends of the fiber roll up slope to prevent runoff from going around the (3) Stake fiber rolls into a 2 to 4 in. deep trench with a width equal to the diameter of

the fiber roll. (4) Drive stakes at the end of each fiber roll and spaced 4 ft maximum on center. (5) Use wood stakes with a nominal classification of 0.75 by 0.75 in. and minimum

length of 24 in. (6) If more than one fiber roll is placed in a row, the rolls should be overlapped, not abutted.

Inspection and Maintenance Guidelines:

(1) Inspect prior to forecast rain, daily during extended rain events, after rain events, and weekly. (2) Repair or replace split, torn, unraveling, or slumping fiber rolls.

(3) If the fiber roll is used as a sediment capture device, or as an erosion control device to maintain sheet flows, sediment that accumulates behind the role must be periodically removed in order to maintain its effectiveness. Sediment should be removed when the accumulation reaches one-half the designated sediment storage depth, usually one-half the distance between the top of the fiber roll and the

adjacent ground surface. Sediment removed during maintenance may be incorporated into earthwork on the site or disposed of at an appropriate location.

![](_page_20_Figure_22.jpeg)

<u>PLAN VIEW</u>

SECTION A-A

CHANNEL.

SOD PLACED IN CHECKER BOARD PATTERN

![](_page_20_Figure_23.jpeg)

![](_page_20_Picture_25.jpeg)

![](_page_20_Figure_26.jpeg)

H/3

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