Appendix A Standard Details



TYPICAL CONCRETE THRUST BLOCK DESIGN



PIPE OR FITTING CONCRETE UNDISTURBED SOIL

SIDE VIEW

BEARING AREA

AREA (SF) AGAINST UNDISTURBED SOIL

Size	Tee, Wye,Plug or 90° Bend	45° Bend	22.5° Bend	11.5° Bend	
4"	1	1	1	1	
6″	3	2	1.5	1	
8″	5	3	2	1.5	
10"	9	5	3	2	
12"	12	8	4	3	
16"	22	12	5	4	
BASED ON 2500 LB/ft. ² SOIL					
BEARING AREA (SF) = A x B 1<(A / B)<3					
≤ 100 PS/	STATIC PR	ESSURE (600 MSL OF	R HIGHER)	

TYPICAL BEND THRUST BLOCK

NOTES:

- 1. 45 DEGREE ANGLES REQUIRED FOR ALL THRUST BLOCKS.
- 2. NON STANDARD THRUST BLOCKING WILL REQUIRE SPECIAL DETAILING PROVIDED BY A LICENSED ENGINEER AND APPROVED BY THE CITY OF AUBURN.
- 3. ALL MECHANICAL JOINT FITTINGS THAT REQUIRE THRUST BLOCKS SHALL BE WRAPPED IN PLASTIC. CONCRETE SHALL NOT BE POURED OVER JOINTS.
- 4. CLASS "B" CONCRETE SHALL BE AS DEFINED IN THE CITY OF AUBURN STANDARD SPECIFICATIONS SECTION II.
- 5. THE PREFERRED METHOD OF THRUST RESTRAINT SHALL BE THROUGH THE USE OF EXTERNALLY RESTRAINED JOINT DEVICES SUCH AS MEGA -LUGS IN LIEU OF CONCRETE BLOCKING. CONCRETE BLOCKING SHALL ONLY BE PERMITTED WHERE APPROVED BY THE AWWB AND SHALL NOT BE USED IN CONJUNCTION WITH MEGA-LUG RESTRAINTS. THE APPROPRIATE LENGTH OF RESTRAINT SHALL BE CALCULATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.





MGTTLE TYPICAL CONCRETE THRUST BLOCK DESIGN

DEPARTMENT: WRM REVISIONS: BS-09-13-07 SCALE: N.T.S. DCM 2010 DRAWN BY: GM REVIEWED BY: EC APPROVED BY: RG MPLEMENTED: 02/2003





TYPICAL END OF MAIN BLOWOFF ASSEMBLY



NOTES:

- 1. THE PREFERRED METHOD OF THRUST RESTRAINT SHALL BE THROUGH THE USE OF EXTERNALLY RESTRAINED JOINT DEVICES SUCH AS MEGA -LUGS IN LIEU OF CONCRETE BLOCKING. CONCRETE BLOCKING SHALL ONLY BE PERMITTED WHERE APPROVED BY THE AWWB AND SHALL NOT BE USED IN CONJUNCTION WITH MEGA-LUG RESTRAINTS. THE APPROPRIATE LENGTH OF RESTRAINT SHALL BE CALCULATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 2. BLOW OFF SHALL BE ANGLED TO PERFECT FLOW AWAY FROM BLOW-OFF AND VALVE, WHERE POSSIBLE
- 3. VALVE SHALL BE LOCATED WITHIN 24" OF THE BACK OF CURB, MAY BE PLACED IN PAVEMENT.
- 4. THE BLOW-OFF SHALL BE PLACED WITH AT LEAST 1" CLEARANCE BETWEEN GUTTER AND BOTTOM OF PIPE AND SHOULD BE POINTED SLIGHTLY UPWARD



THE WATER WORKS BOARD OF THE CITY OF AUBURN, AL STANDARD WATER DETAILS

DRAWING TITLE: TYPICAL END OF MAIN FOR FUTURE EXTENSION

DEPARTMENT:	WRM	REVISIONS:	BS-09-13-07
SCALE:	N.T.S.		DCM 2010
DRAWN BY:	GM		MW-12-03-2020
REVIEWED BY:	EC		
APPROVED BY:	RG		
IMPLEMENTED:	02/2003		







TYPICAL BORE ENCASEMENT

CARR	CARRIER PIPE		STEEL EI	VCASEMENT
NOMINAL PIPE DIAMETER	STANDARD PIPE BELL O.D.*	CASING SPACER BAND WIDTH	MINIMUM CASING THICKNESS	<i>MINIMUM CASING DIAMETER**</i>
4	6.40	8	0.25	14
6	8.60	8	0.25	16
8	11.16	8	0.25	18
10	13.25	8	0.25	20
12	15.22	8	0.25	22
14	17.73	12	0.25	24
16	19.86	12	0.3125	26
18	22.16	12	0.3125	30
20	24.28	12	0.3125	32
24	28.50	12	0.3125	36
30	34.95	12	0.5	42
36	41.37	12	0.5	48

ALL SIZES INDICATED ARE IN INCHES

*PIPE BELL OUTSIDE DIAMETER BASED ON PRESSURE CLASS 350 DUCTILE IRON PIPE.

**CASING DIAMETERS BASED ON BEING A MINIMUM OF 6 INCHES GREATER THAN THE OUTER DIAMETER OF THE JOINT BELL, TO THE NEAREST EVEN SIZE.



CASING SECTION

<u>NOTES</u>

- 1. ALL SPACER BANDS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS.
- 2. ALL SPACERS SHALL HAVE A SYNTHETIC RUBBER OR PVC LINER TO INSULATE THE PIPELINE FROM THE SPACER.
- *3. ALL SPACERS SHALL HAVE 1.5" WIDE GLASS REINFORCED PLASTIC OR UHMW POLYMER RUNNERS TO INSULATE THE SPACER.*
- 4. SPACERS TO BE MANUFACTURED BY CASCADE WATERWORKS MFG. CO. (PSI) PIPELINE SEAL AND INSULATOR, INC. OR EQUAL.
- 5. 6" THRU 12" DIAMETER PIPELINE SHALL USE 8" WIDE BANDS: GREATER THAN 12" DIAMETER PIPELINES SHALL USE 12" WIDE BANDS.
- 6. CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF TEN FEET APART WITH A MINIMUM OF TWO SPACERS PER JOINT OF PIPE.



THE WATER WORKS BOARD	DRAWING TITLE
	DEPARTMENT:
OF THE CITY OF AUBURN, AL	SCALE:
	DRAWN BY:
CTANDADD WATED DETAIL C	REVIEWED BY:
STANDARD WATER DETAILS	APPROVED BY:
	IMPLEMENTED:

<u>E ENCASEMEN</u>	BORE	ICAL		2
	DCM 2010	REVISIONS:	WRM	
			N.T.S.	
			BS	
			JC	
			EC	
			12/2007	

TYPICAL FIRE HYDRANT INSTALLATION



- 3. ALL MECHANICAL JOINT FITTINGS THAT REQUIRE THRUST BLOCKS SHALL BE WRAPPED IN PLASTIC. CONCRETE SHALL NOT BE POURED OVER JOINTS.
- 4. THE PREFERRED METHOD OF THRUST RESTRAINT SHALL BE THROUGH THE USE OF EXTERNALLY RESTRAINED JOINT DEVICES SUCH AS MEGA -LUGS IN LIEU OF CONCRETE BLOCKING. CONCRETE BLOCKING SHALL ONLY BE PERMITTED WHERE APPROVED BY THE AWWB AND SHALL NOT BE USED IN CONJUNCTION WITH MEGA-LUG RESTRAINTS. THE APPROPRIATE LENGTH OF RESTRAINT SHALL BE CALCULATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 5. USE MEGA-LUGS BETWEEN HYDRANT AND GATE VALVE.
- 6. HYDRANT LOCKING TEE TO BE USED IN LIEU OF STANDARD M.J. TEE ON ALL FIRE HYDRANT CONNECTIONS.







TYPICAL FIRE PROTECTION SYSTEM RPBA







TYPICAL FIRE / DOMESTIC METER VAULT (4" AND LARGER)



APPROVED BY

IMPLEMENTED

ΕC

12/2007





SCALE:

DRAWN BY.

REVIEWED BY:

APPROVED BY

IMPI EMENTED

N.T.S.

BS

JC

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12/2007

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THE WATER WORKS BOARD	DRAWING TITLE:	<u> </u>	<u>ICAL</u>	3/4"	<u>////"</u>	/
AF THE ALTY OF AUDURAL	DEPARTMENT:	WRM	REVISIONS:	12-07-2015		
OF THE CITY OF AUBURN, AL	SCALE:	N.T.S.		DCM 2015		
,	DRAWN BY:	GM				4
OTANDADD WATED DETAULO	REVIEWED BY:	EC				
STANDARD WATER DETAILS	APPROVED BY:	RG				
	IMPLEMENTED:	02/2003				

TYPICAL AUTOMATIC AIR RELEASE VALVE



IMPLEMENTED.

02/2003



OP RD	THE WATER WORKS BOARD OF THE CITY OF AUBURN, AL
	STANDARD WATER DETAILS

DRAWING TITLE:	TYPIC	AL AU,	TOMATIC	<u>C AIR RELEASE VALVE</u>
DEPARTMENT:	WRM	REVISIONS:	BS-09-13-07	
SCALE:	N.T.S.		DCM 2010	nn
DRAWN BY:	GM			
REVIEWED BY:	EC			/.)4
APPROVED BY:	RG			

TYPICAL MANUAL AIR RELEASE VALVE





ARD	THE WATER WORKS BOARD OF THE CITY OF AUBURN, AL	DRAW DEPAR SCALE
»/	STANDARD WATER DETAILS	REVIEL APPRO

WING TITLE:	ΤΥΡΙΟ	CAL M	ANUAL .	AIR RELEASE VALVE
ARTMENT:	WRM	REVISIONS:	BS-09-13-07	
E:	N.T.S.		DCM 2010	nnc
NN BY:	GM			126
EWED BY:	EC			
ROVED BY:	RG			
EMENTED:	02/2003			

TYPICAL 1" SERVICE CONNECTION



NOTES:

1. TYPICAL 1" SERVICE CONNECTION SHALL BE USED AT A MINIMUM FOR ALL 3/4" AND 1" METER INSTALLATIONS.



	THE WATER WORKS BOARD OF THE CITY OF AUBURN, AL
/	STANDARD WATER DETAILS

DRAWING TITLE:	TYPI	CAL .	/" SER	/ICE CONNECTION
DEPARTMENT:	WRM	REVISIONS:	BS-09-13-07	
SCALE:	N.T.S.		DCM 2010	n n n n
DRAWN BY:	GM			
REVIEWED BY:	EC			
APPROVED BY:	RG			
IMPLEMENTED:	02/2003			

TYPICAL 2" SERVICE CONNECTION



NOTES:

1. TYPICAL 2" SERVICE CONNECTION SHALL BE USED AT A MINIMUM FOR ALL 1-1/2" AND 2" METER INSTALLATIONS.



THE WATER WORKS BOARD	DRAWING TITLE:	TYPI	CAL	2" SER	VICE CONNECTION
OF THE CITY OF AURURN A	DEPARTMENT:	WRM N T S	REVISIONS:	BS-09-13-07	040
or the citri of Addonn, Ad	DRAWN BY:	М.Т.З. GM		DCm 2010	
STANDARD WATER DETAILS	REVIEWED BY: APPROVED BY:	EC RG			L40
	IMPLEMENTED:	02/2003			









TYPICAL DEADMAN THRUST RESTRAINT





STREET TRENCH

NOTES:

- 1. BEDDING MATERIALS SHALL BE 1/4" TO 1 1/2" GRADED CRUSHED STONE SUCH AS: 56,57,6,67,68,7,OR 78, STONE PER ALDOT STANDARD SPECS. WIDTH VARIES BASED ON WALL STABILITY. STABLE WALLS WIDTH AS NEEDED TO JOIN PIPE AND COMPACT
- 2 HAUNCHING AND INITIAL BACKFILL. UNSTABLE WALLS: WIDTH TO BE A MINIMUM OF FIVE TIMES PIPE DIAMETER
- FLOWABLE FILL CAN BE USED AS BACKFILL, BUT MUST HAVE PRIOR APPROVAL AND MUST BE ALLOWED TO SET FOR 24 HOURS PRIOR TO TOPPING.
- APPROVED BACKFILL MATERIAL INCLUDES 825 B, FLOWABLE FILL AND APPROVED DIRT. ALTERNATIVE MATERIAL MUST BE APPROVED BY PROJECT MANAGER PRIOR TO USE. 4.



- 45 DEGREE ANGLES REQUIRED FOR ALL THRUST BLOCKS. NON STANDARD THRUST BLOCKING WILL REQUIRE SPECIAL DETAILING PROVIDED BY A LICENSED ENGINEER AND APPROVED BY THE CITY OF AUBURN.
- ALL MECHANICAL JOINT FITTINGS THAT REQUIRE THRUST BLOCKS SHALL BE WRAPPED IN PLASTIC. CONCRETE SHALL NOT BE POURED OVER JOINTS. CLASS "B" CONCRETE SHALL BE AS DEFINED IN THE CITY OF AUBURN STANDARD SPECIFICATIONS SECTION II.
- THE PREFERRED METHOD OF THRUST RESTRAINT SHALL BE THROUGH THE USE OF EXTERNALLY RESTRAINED JOINT DEVICES SUCH AS MEGA-LUGS IN LIEU OF CONCRETE BLOCKING. CONCRETE BLOCKING SHALL ONLY BE PERMITTED WHERE APPROVED BY THE AWWB AND SHALL NOT BE USED IN CONJUNCTION WITH MEGA-LUG RESTRAINTS. THE APPROPRIATE LENGTH OF RESTRAINT SHALL BE CALCULATED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

TYPICAL BORE ENCASEMENT

CARR	IER PIPE	SPACER	STEEL ENCASEMENT		
NOMINAL PIPE DIAMETER	STANDARD PIPE BELL O.D.*	CASING SPACER BAND WIDTH	MINIMUM CASING THICKNESS	MINIMUM CASING DIAMETER**	
4	6.40	8	0.25	14	
6	8.60	8	0.25	16	
8	11.16	8	0.25	18	
10	13.25	8	0.25	20	
12	15.22	8	0.25	22	
14	17.73	12	0.25	24	
16	19.86	12	0.3125	26	
18	22.16	12	0.3125	30	
20	24.28	12	0.3125	32	
24	28.50	12	0.3125	36	
30	34.95	12	0.5	42	
36	41.37	12	0.5	48	

PIPE BELL OUTSIDE DIAMETER BASED ON PRESSURE CLASS 350 DUCTILE IRON PIPE. **CASING DIAMETERS BASED ON BEING A MINIMUM OF 6 INCHES GREATER THAN THE OUTER DIAMETER OF THE JOINT BELL, TO THE NEAREST EVEN STRE



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NOTES.

- 6 THRO 12 DIAMETER PIPELINE SHALL USE 8 WIDE BANDS: GREATER THAN 12 DIAMETER PIPELINES SHALL USE 12 WIDE BANDS. CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF TEN FEET APART WITH A MINIMUM OF TWO SPACERS PER JOINT OF PIPE.









STANDARD DETAILS: WATER - SHEET 4 OF 4							
NORKE	DEPARTMENT:	WRM	REVISIONS:	GM-04/30/04			
	SCALE:	N.T.S.		BS-10-25-07			
E Car	DRAWN BY:	GM		DCM 2010			
	REVIEWED BY:	JC		JC-10-2011			
AUGURT	APPROVED BY:	EC		JC-12-2012			
	IMPLEMENTED:	JANUARY 2008		MW-12-2020			














MANHOLE ADJUSTMENT RISER





STANDARD SANITARY SEWER DETAILS

City of Auburn

DRAWING TITLE: TYPTCAL GREASE TH DEPARTMENT: WRM REVISIONS: GM-04-30-04 SCALE: N.T.S. BS:10-30-07 DRAWN BY: BS DCM 2010 REVIEWED BY: EC JC:10-2011 APPROVED BY: RG IMPLEMENTED: 02/2003



REVIEWED BY:

APPROVED BY.

IMPI EMENTED

STANDARD SANITARY SEWER DETAILS

City of Auburn

DRAWN BY: BS DCM 2010

JC-10-2011

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RG

02/2003





TYPICAL BORE ENCASEMENT

CARR	IER PIPE	SPACER	STEEL ENCASEMENT				
NOMINAL PIPE	STANDARD PIPE BELL	CASING SPACER	MINIMUM CASING	MINIMUM CASING			
DIAMETER	0.D.*	BAND WIDTH	THICKNESS	DIAMETER**			
4	6.40	8	0.25	14			
6	8.60	8	0.25	16			
8	11.16	8	0.25	18			
10	13.25	8	0.25	20			
12	15.22	8	0.25	22			
14	17.73	12	0.25	24			
16	19.86	12	0.3125	26			
18	22.16	12	0.3125	30			
20	24.28	12	0.3125	32			
24	28.50	12	0.3125	36			
30	34.95	12	0.5	42			
36	41.37	12	0.5	48			

ALL SIZES INDICATED ARE IN INCHES

*PIPE BELL OUTSIDE DIAMETER BASED ON PRESSURE CLASS 350 DUCTILE IRON PIPE.

**CASING DIAMETERS BASED ON BEING A MINIMUM OF 6 INCHES GREATER THAN THE OUTER DIAMETER OF THE JOINT BELL, TO THE NEAREST EVEN SIZE.

CASING SECTION

NOTES

- 1. ALL SPACER BANDS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS.
- 2. ALL SPACERS SHALL HAVE A SYNTHETIC RUBBER OR PVC LINER TO INSULATE THE PIPELINE FROM THE SPACER.
- 3. ALL SPACERS SHALL HAVE 1.5" WIDE GLASS REINFORCED PLASTIC OR UHMW POLYMER RUNNERS TO INSULATE THE SPACER.
- SPACER'S TO BE MANUFACTURED BY CASCADE WATERWORKS MFG. CO. (PSI) PIPELINE SEAL AND INSULATOR, INC. OR EQUAL.
 6" THRU 12" DIAMETER PIPELINE SHALL USE 8" WIDE BANDS: GREATER THAN 12" DIAMETER
- 6" THRU 12" DIAMETER PIPELINE SHALL USE 8" WIDE BANDS: GREATER THAN 12" DIAMETER PIPELINES SHALL USE 12" WIDE BANDS.
 CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF TEN FEET
- 6. CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF TEN FEET APART WITH A MINIMUM OF TWO SPACERS PER JOINT OF PIPE.

THE CITY OF AUBURN, AL STANDARD SANITARY SEWER DETAILS

DRAWING TITLE: TYPICAL BORE ENCASEMENT

DEPARTMENT. GM-04-30-04 WRM REVISION SCALE: N.T.S. BS-10-30-07 DRAWN BY: BS DCM 2010 REVIEWED BY ΕC APPROVED BY. RG IMPLEMENTED 02/2003

DRAWN BY.

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APPROVED BY:

IMPLEMENTED

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RG

02/2003

STANDARD SANITARY SEWER DETAILS

Auburn

<u>DCM 2015</u> MW-12-03-2020

TYPICAL VALVE BOX INSTALLATION

- 6. TRACER WIRE SHALL BE NO. 14 A.W.G. COPPER CLAD STEEL W/ POLYETHYLENE INSULATION.
- 7. CONCRETE COLLAR MAY BE CAST-IN-PLACE OR PRECAST AND MAY BE ROUND OR SQUARE IN SHAPE.
- 8. CONCRETE COLLAR SHALL BE A MIN. 4" THICK.

<i>TION</i>	DESCRIPTION	VALUE	<u>NOTES</u>
0	WET-WELL INVERT		
1	ALL PUMPS OFF		
2	LEAD PUMP ON		
3	LAG PUMP ON		
4	HIGH LEVEL ALARM		
5	GRAVITY INVERT		
6	TOP OF WET-WELL		

CONCRETE PAD TO ENCOMPASS VALVE

NOTES:

- 1. ELEVATION OF THE TOP OF THE PUMP STATION SHALL BE A MINIMUM 2'-0" ABOVE THE 100 YEAR FLOOD ELEVATION.
- INTERIOR OF WET WELL TO BE LINED WITH 2. HDPE, PVC, OR APPROVED EPOXY LINING. ALL PIPING ON SITE TO BE DUCTILE IRON З.
- WITH EPOXY LINING SUITABLE FOR WASTEWATER SERVICE.
- DIESEL PUMP SHALL BE SIZED TO HANDLE 4. THE PEAK HOURLY DISCHARGE OF THE STATION AND SHALL HAVE A MINIMUM 24 HOUR FUEL CAPACITY.
- WET WELL SIZE TO BE BASED ON 5. SPECIFIC DESIGN CRITERIA. MINIMUM 5'-0" DIAMETER AND 5'-0" DEPTH FROM THE LOWEST INCOMING PIPE INVERT TO THE WET WELL BOTTOM.
- PRIMARY LEVEL CONTROL SHALL UTILIZE A 6. 4-20mA SUBMERSIBLE OR ULTRASONIC TRANSDUCER, AS APPROVED.
- THIS IS A GENERAL SCHEMATIC DRAWING. 7. EACH STATION SHALL HAVE A DETAILED SITE SPECIFIC DESIGN.

DRAWING TITLE:	GENE	RAL PUMP ST.	ATION SITE SECTION
DEPARTMENT:	WRM	REVISIONS:	
SCALE:	N.T.S.		
DRAWN BY:	CN		
REVIEWED BY:	JC		
APPROVED BY:	EC		
IMPLEMENTED:	DCM 2010		

EROSION CONTROL NOTES:

- 1. A CONSTRUCTION EXIT PAD MUST BE INSTALLED AT ALL POINTS OF INGRESS/EGRESS TO THE SITE.
- 2. EROSION CONTROL BLANKETS AND NETTING SHOULD BE USED ON STEEP SLOPES AND IN CHANNELS IN CONJUNCTION WITH PERMANENT VEGETATION.
- 3. MULCH ALL BARE AREAS IMMEDIATELY FOLLOWING INITIAL GRADING PROCEDURES.
- 4. BMP'S SHALL BE INSPECTED AT LEAST MONTHLY AND WITHIN 24 HOURS OF RAIN EVENTS OF 0.75 INCHES OR GREATER. MAINTENANCE AND REPAIR MUST BE MADE WITHIN 3 DAYS OF INSPECTIONS, UNLESS OTHERWISE DIRECTED. COPIES OF THE QUALIFIED CREDENTIALED PROFESSIONAL (QCP) / QUALIFIED CREDENTIALED INSPECTOR (QCI) INSPECTION REPORTS SHALL BE SUBMITTED TO THE CITY OF AUBURN WATER RESOURCE MANAGEMENT DEPARTMENT, ATTN: WATERSHED DIVISION, 1501 WEST SAMFORD AVENUE, AUBURN, ALABAMA 36832.
- 5. TEMPORARY SEEDING OF DISTURBED AREAS SHOULD BE IMPLEMENTED WHENEVER DISTURBED SOIL AREAS WILL NOT BE BROUGHT TO FINISHED GRADE FOR A PERIOD OF 15 CALENDAR DAYS OR LONGER.
- 6. THESE STANDARD DETAILS SHALL BE APPLICABLE TO ALL LAND DISTURBING ACTIVITIES AND ATTACHED TO THE RELEVANT SITE PLAN AND/OR SUBDIVISION DRAWINGS.
- 7. ALL EROSION CONTROL MEASURES ARE TO BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (LATEST EDITION), AND SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 8. SILT FENCE: REMOVE ACCUMULATED SEDIMENT WHEN DEPTH REACHES 1/4" THE HEIGHT OF THE BARRIER.

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THE CITY OF AUBURN, AL STANDARD EROSION CONTROL DETAILS

WING TITLE:	ERO	STON	CON	ROL	NOT	ES
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 DEPARTMENT:
 WRM
 REVISIONS:
 AF-06-13-07

 SCALE:
 N.T.S.
 BS-10-05-07
 DRAWN BY:
 BS/00-05-07

 DRAWN BY:
 BS/GM
 DCM/2010
 ReviewED BY:
 APPROVED BY:
 MD

 MPLEMENTED:
 02/2003
 DRAWN BY:
 DRAW

22/21/

- APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP's.
- З. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" 5" OVERLAP DEPENDING 4 ON RECP's TYPE.
- CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) 5. WITH AN APPROXIMATE APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP'S WIDTH.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE 6. NECESSARY TO PROPERLY SECURE THE RECP's.
- RECPS SHALL BE IDENTIFIED AND DESIGNED ACCORDING TO THE CLASSIFICATION DESIGNATION GIVEN 7. IN TABLES ECB-1, ECB-2, ECB-3, AND ECB-4 OF THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (LATEST EDITION).

APPROVED BY.

IMPI EMENTED

MD

02/2003

THE CITY OF AUBURN, AL STANDARD EROSION CONTROL DETAILS

DRAWING TITLE:	SLO	OPE	INS	TALLATIC
DEPARTMENT:	WRM	REVISIONS:	AF-06-13-07	
SCALE:	N.T.S.		BS-10-05-07	
DRAWN BY:	BS/GM		DCM 2010	
REVIEWED BY:				

N/

DRAWING TITLE:	TYF	PICAL	SEL	DIMENT BASIN
DEPARTMENT:	WRM	REVISIONS:	AF-06-13-07	
SCALE:	N.T.S.		BS-10-05-07	
DRAWN BY:	BS/GM		DCM 2010	
REVIEWED BY:			JC-12-2012	4//
APPROVED BY:	MD			
IMPLEMENTED:	02/2003			

TRIANGULAR SILT DIKE INSTALLED ON CONCRETE OR ASPHALT

NOTES:

- 1. If THE SURFACE AREA IS CONCRETE , ADHESIVES SUCH AS LIQUID NAIL OR SAND BAGS SHALL BE USED. IF IT IS AN ASPHALT SURFACE, A RUBBERIZED ASPHALT EMULSION CAN BE USED. THE TACKING AGENT MUST BE APPLIED UNDER THE FULL LENGTH OF THE BARRIER SECTION AND THE APRON.
- 2. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
- 3. FABRIC COVER AND SKIRT SHALL BE CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE UPSTREAM FABRIC.
- 4. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE-TO-DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
- 5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
- 6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 4" AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
- 7. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED. THE DIKES ANY ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN NOTE #6 ABOVE.

THE CITY OF AUBURN, AL STANDARD EROSION CONTROL DETAILS DRAWING TITLE. TRIANGULAR SILT DIKE INSTALLED ON CONCRETE OR ASPHAL

 DEPARTMENT:
 WRM
 REVISIONS:

 SCALE:
 N.T.S.

 DRAWN BY:
 EI

 REVIEWED BY:
 MD

 APPROVED BY:
 MD

 MPLEMENTED:
 01/2019

