

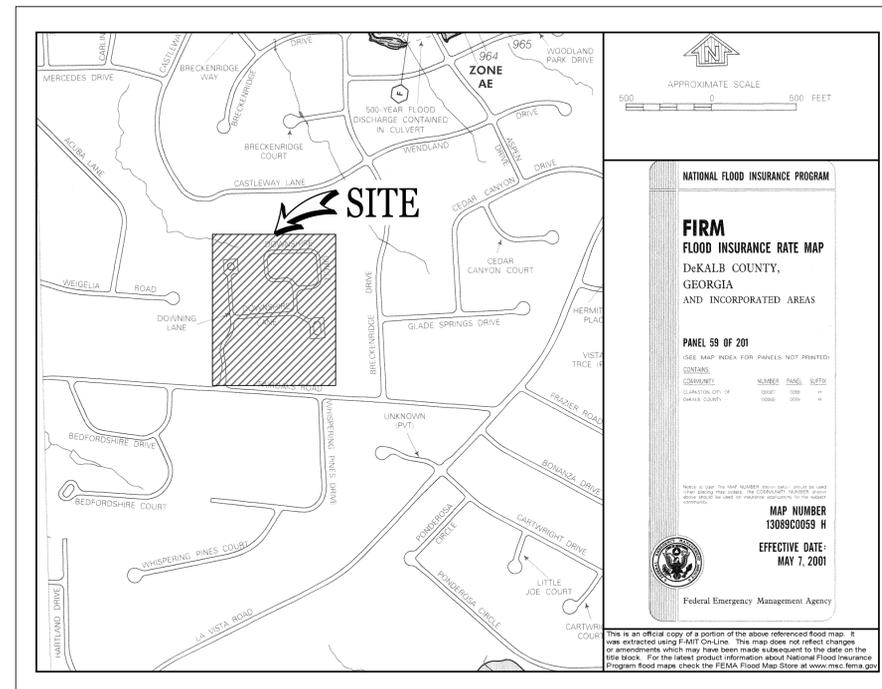
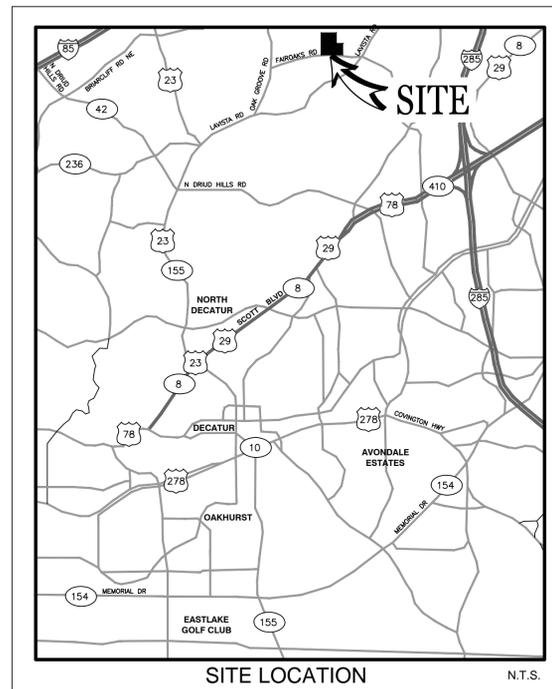
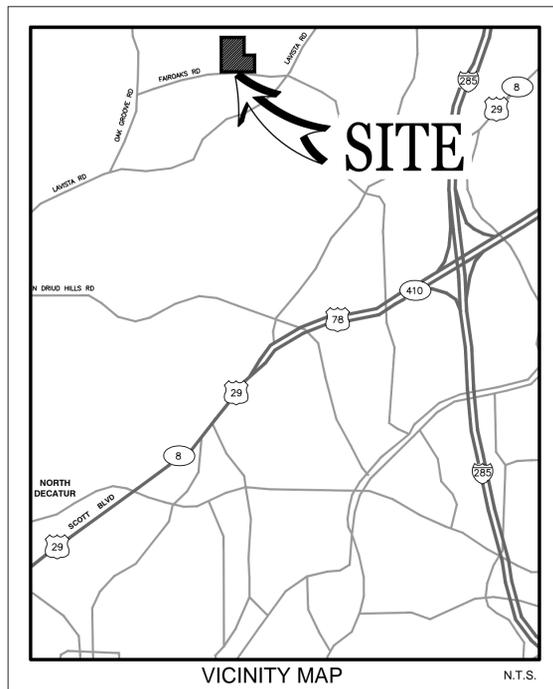
WESTFIELD SQUARE SUBDIVISION

FAIROAKS ROAD AND DOWNING LANE, LAND LOT 162, 18TH DISTRICT

WATER SYSTEM UPGRADE

DEKALB COUNTY, GEORGIA

ITB # _____



NO PORTION OF THIS SITE LIES WITHIN AN AREA HAVING SPECIAL FLOOD HAZARDS, PER F.I.R.M. PANEL 13089C0059 H, DATED MAY 7, 2001.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G-001	COVER SHEET
G-002	GENERAL NOTES
C-101	EXISTING CONDITIONS
C-102	PROPOSED WATER SYSTEM 1 OF 3
C-103	PROPOSED WATER SYSTEM 2 OF 3
C-104	PROPOSED WATER SYSTEM 3 OF 3
C-105	INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
C-106	FINAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
C-501	CONSTRUCTION DETAILS 1 OF 6
C-502	CONSTRUCTION DETAILS 2 OF 6
C-503	CONSTRUCTION DETAILS 3 OF 6
C-504	CONSTRUCTION DETAILS 4 OF 6
C-505	CONSTRUCTION DETAILS 5 OF 6
C-506	CONSTRUCTION DETAILS 6 OF 6
C-507	EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS 1 OF 2
C-508	EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS 2 OF 2
C-601	EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES 1 OF 2
C-602	EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES 2 OF 2

ENGINEER'S CERTIFICATION STATEMENT:
With my initials at the line above and my seal and signature below, I, MIRASADA ILIC
A professional Engineer, Architect or Landscape Architect licensed in the State of Georgia, hereby certify that I have personally reviewed the attached submittal plans for a land disturbance permit. In my opinion these submittal plans meet all applicable regulations and ordinances of DeKalb County, DeKalb County and other affected parties may rely on this certification.

Signed: ILIC Georgia Registration# 27867

PREPARED BY:



Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

PREPARED FOR:



DEKALB COUNTY
DEKALB COUNTY DEPARTMENT OF
WATERSHED MANAGEMENT
#1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

PROJECT DESCRIPTION:

THE WATER SUPPLY SYSTEM CONSISTING OF PLASTIC PIPING WITHIN WESTFIELD SQUARE SUBDIVISION WILL BE UPGRADED TO MEET THE DEKALB COUNTY STANDARDS. THE PROJECT INVOLVES THE INSTALLATION OF PIPES, APPURTENANCES, WATER VALVES, AND WATER METER BOXES AT SERVICE CONNECTIONS, NEW FIRE HYDRANTS AND A TAPPING SLEEVE AT EXISTING WATER MAIN OFF OF FAIROAKS ROAD.

THE TOTAL SITE AREA: 14.25 ACRES
THE DISTURBED AREA: 0.64 ACRES

OWNER:

DEKALB COUNTY
DEKALB COUNTY DEPARTMENT OF
WATERSHED MANAGEMENT
#1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

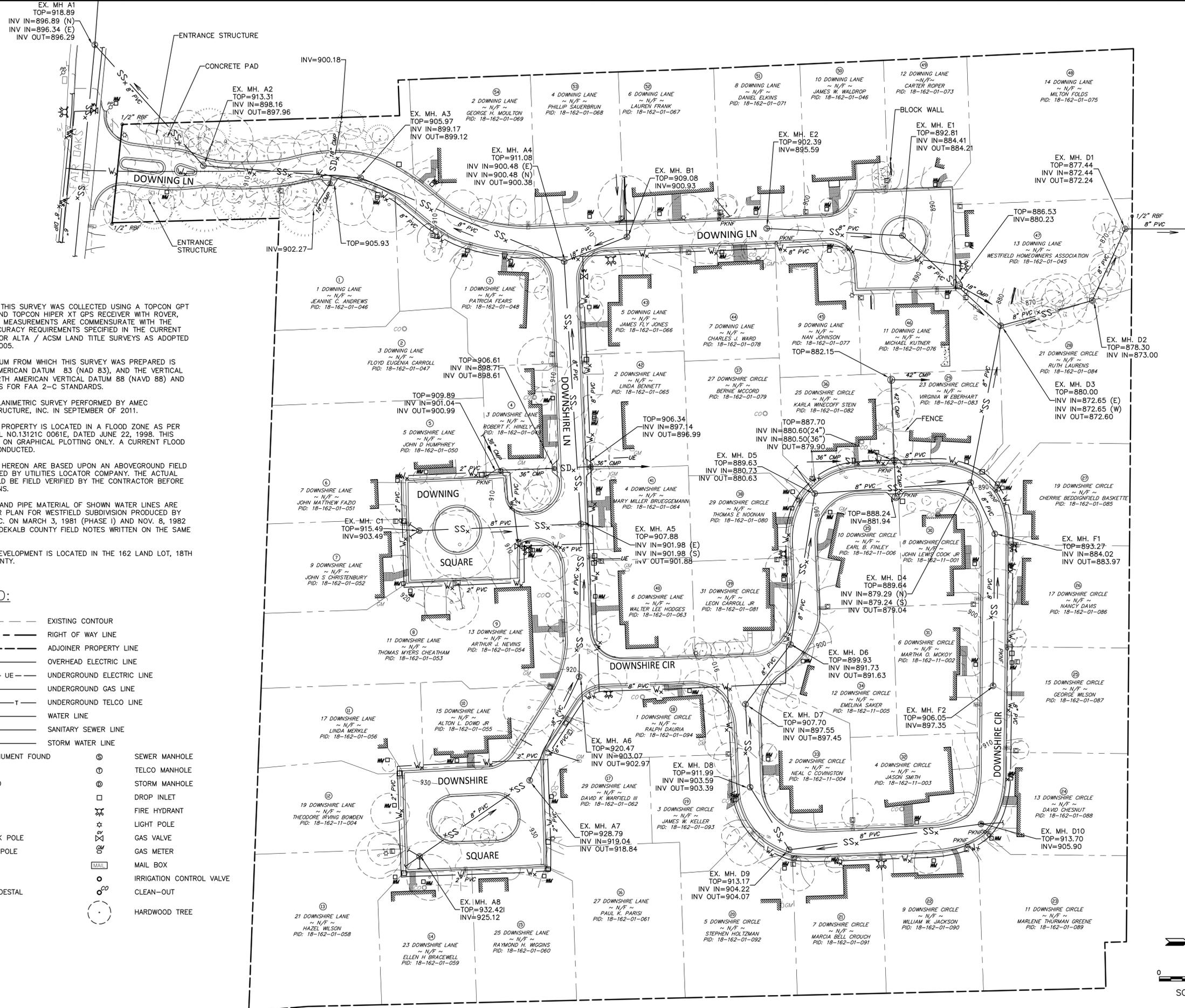
DATE: APRIL 5, 2016

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE DEKALB COUNTY REPRESENTATIVE BEN CUMMINGS AT (770) 414-6181

THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.



G001



GENERAL NOTES:

- 1.) THE FIELD DATA FOR THIS SURVEY WAS COLLECTED USING A TOPCON GPT SERIES TOTAL STATION AND TOPCON HIPER XT GPS RECEIVER WITH ROVER, THE PRECISION OF THESE MEASUREMENTS ARE COMMENSURATE WITH THE RELATIVE POSITIONAL ACCURACY REQUIREMENTS SPECIFIED IN THE CURRENT ACCURACY STANDARDS FOR ALTA / ACSM LAND TITLE SURVEYS AS ADOPTED BY ALTA AND NSPS IN 2005.
- 2.) THE HORIZONTAL DATUM FROM WHICH THIS SURVEY WAS PREPARED IS BASED ON THE NORTH AMERICAN DATUM 83 (NAD 83), AND THE VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88) AND MEETS THE REQUIREMENTS FOR FAA 2-C STANDARDS.
- 3.) TOPOGRAPHIC AND PLANIMETRIC SURVEY PERFORMED BY AMEC ENVIRONMENT & INFRASTRUCTURE, INC. IN SEPTEMBER OF 2011.
- 4.) NO PORTION OF THIS PROPERTY IS LOCATED IN A FLOOD ZONE AS PER F.I.R.M. COMMUNITY PANEL NO.13121C 0061E, DATED JUNE 22, 1998. THIS DETERMINATION IS BASED ON GRAPHICAL PLOTTING ONLY. A CURRENT FLOOD STUDY HAS NOT BEEN CONDUCTED.
- 5.) THE UTILITIES SHOWN HEREON ARE BASED UPON AN ABOVEGROUND FIELD SURVEY AND FIELD MARKED BY UTILITIES LOCATOR COMPANY. THE ACTUAL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ANY CONSTRUCTION BEGINS.
- 6.) LOCATION, DIAMETER AND PIPE MATERIAL OF SHOWN WATER LINES ARE REFERENCED FROM WATER PLAN FOR WESTFIELD SUBDIVISION PRODUCED BY BINGHAM ASSOCIATES, INC. ON MARCH 3, 1981 (PHASE I) AND NOV. 8, 1982 (PHASE II), AS WELL AS DEKALB COUNTY FIELD NOTES WRITTEN ON THE SAME DRAWINGS.
- 7.) WESTFIELD SQUARE DEVELOPMENT IS LOCATED IN THE 162 LAND LOT, 18TH DISTRICT OF DEKALB COUNTY.

LEGEND:

- EXISTING CONTOUR
- RIGHT OF WAY LINE
- ADJOINER PROPERTY LINE
- Ex --- OVERHEAD ELECTRIC LINE
- UE --- UNDERGROUND ELECTRIC LINE
- Gx --- UNDERGROUND GAS LINE
- T --- UNDERGROUND TELCO LINE
- Wx --- WATER LINE
- SSx --- SANITARY SEWER LINE
- SDx --- STORM WATER LINE
- CMF --- CONCRETE MONUMENT FOUND
- 1/2" RBF --- REBAR FOUND
- PKNF --- PK NAIL FOUND
- WV --- WATER VALVE
- WM --- WATER METER
- PP --- POWER POLE
- CWP --- CROSSING WALK POLE
- TL --- TRAFFIC LIGHT POLE
- TR --- TRANSFORMER
- CB --- CABLE BOX
- TP --- TELEPHONE PEDESTAL
- CLR --- CLEARANCE
- P --- PINE TREE
- SM --- SEWER MANHOLE
- TM --- TELCO MANHOLE
- DM --- STORM MANHOLE
- DI --- DROP INLET
- FH --- FIRE HYDRANT
- LP --- LIGHT POLE
- GV --- GAS VALVE
- GM --- GAS METER
- MB --- MAIL BOX
- ICV --- IRRIGATION CONTROL VALVE
- CO --- CLEAN-OUT
- HT --- HARDWOOD TREE

amec foster wheeler
ENVIRONMENT & INFRASTRUCTURE, INC.
1075 BIG SHANTY ROAD NW, SUITE 100
KENNESAW, GA 30144
TEL: (770) 421-3400

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

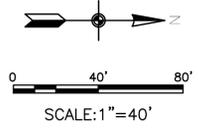
AMEC PROJECT No:
6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED
1	10/18/13	SB	MI
2	4/5/16	H.SOZA	M. ILIC

DESIGNED BY:	N/A
DRAWN BY:	H. SOZA
CHECKED BY:	L. SHELTON
IN CHARGE:	M. ILIC
DATE:	10 APR 2013

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:	REV. #
C-101	1
SHEET 3 OF 18 SHEETS	





NOT VALID WITHOUT
SIGNATURE AND DATE

PROJECT:
WESTFIELD
SUBDIVISION
WATER SYSTEM
UPGRADE

DEKALB COUNTY



AMEC PROJECT No:
6149-11-0234

REVISIONS

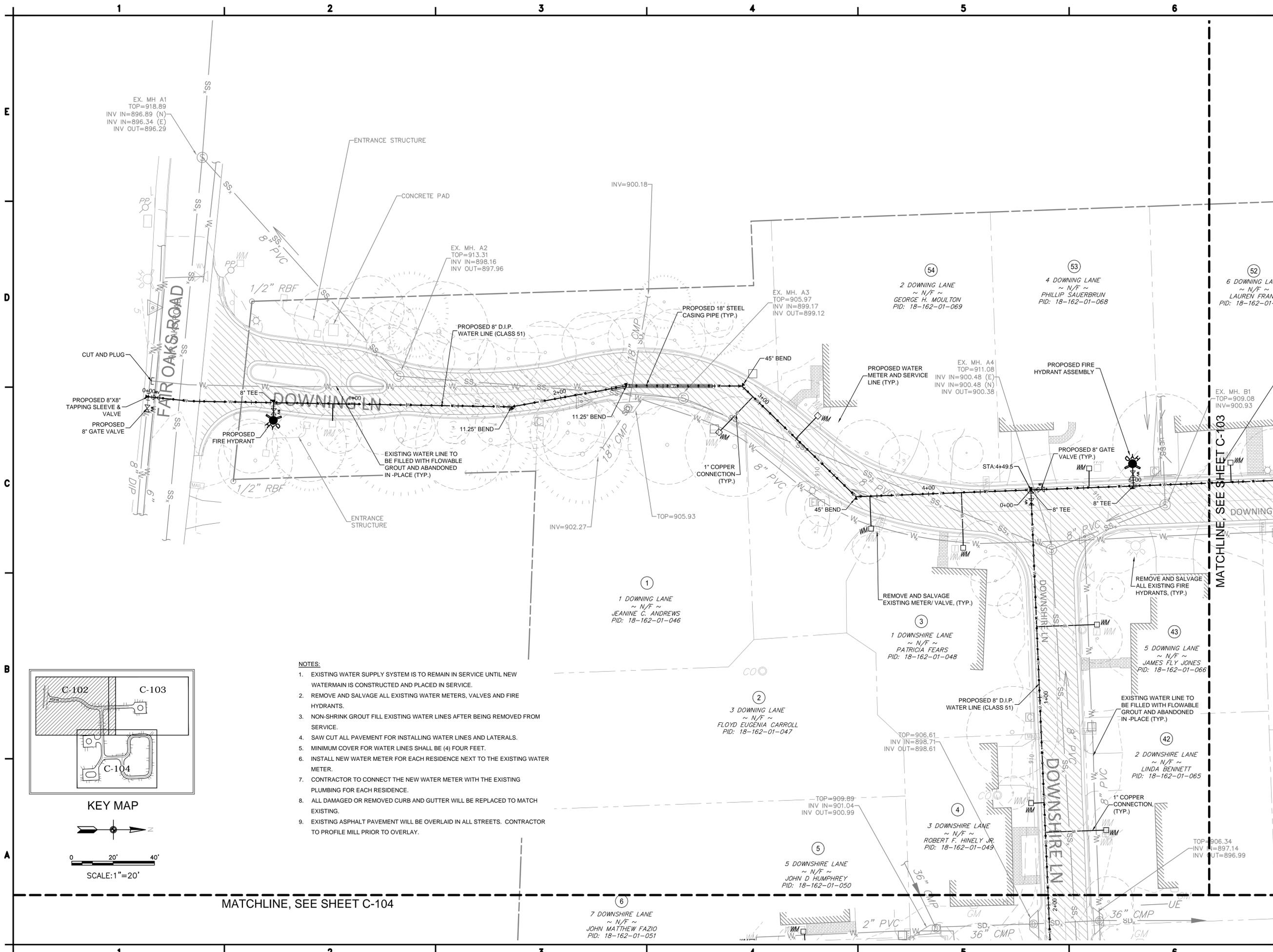
NO.	DATE	BY	CHECKED
1	10/18/13	SB	MI
DESCRIPTION: ADDED ADDRESS AND OWNER INFORMATION FOR EACH LOT.			
2	4/5/16	H.SOZA	M. ILIC

DESIGNED BY: A. RAVAT
DRAWN BY: A. RAVAT
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

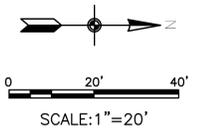
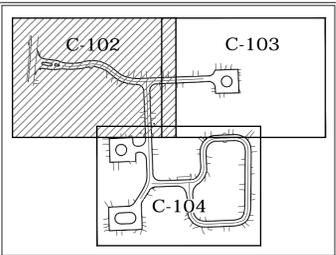
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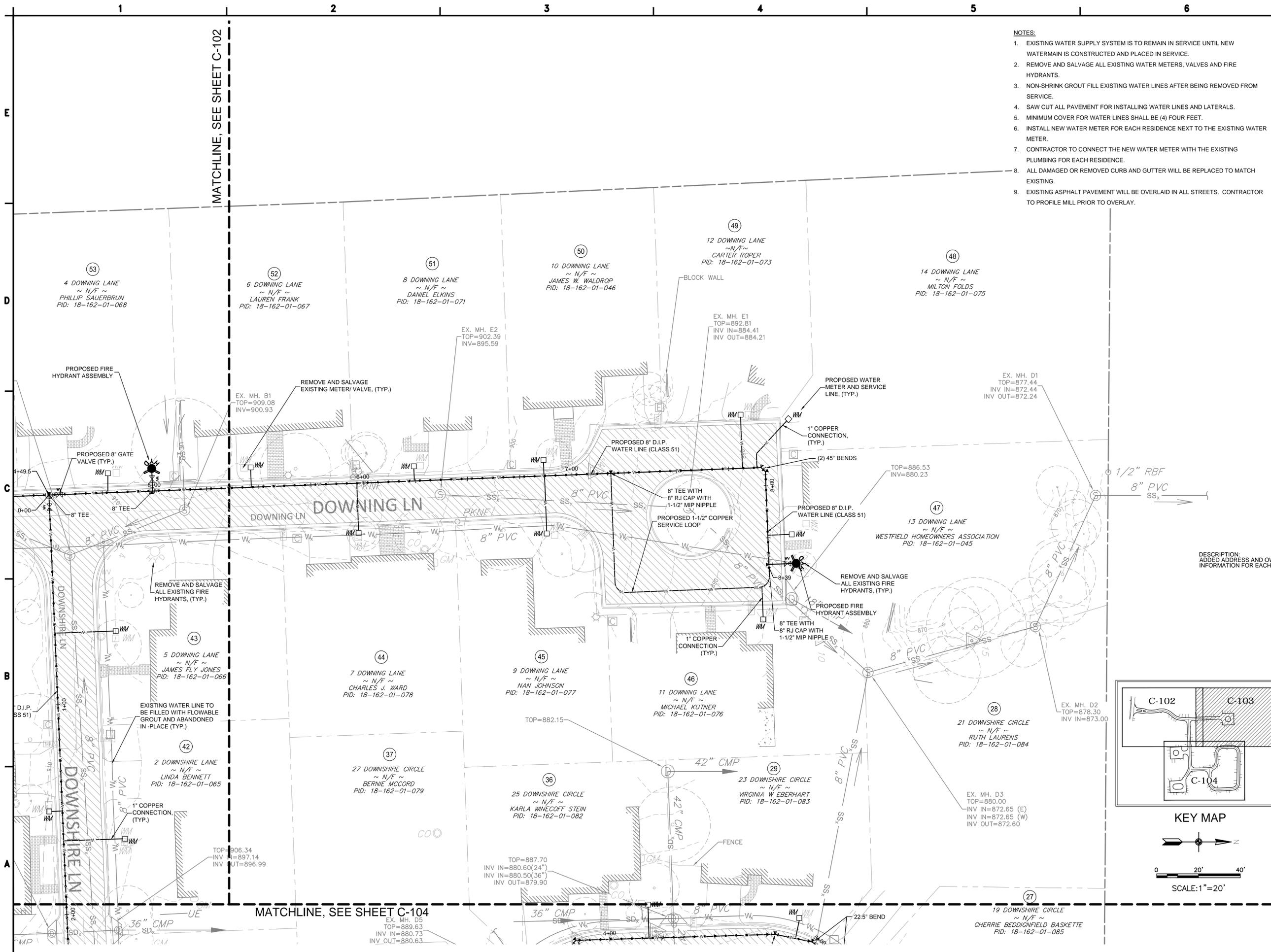
PROPOSED
WATER SYSTEM
1 OF 3

SHEET NUMBER: C-102
REV. # 1
SHEET 4 OF 18 SHEETS



- NOTES:**
- EXISTING WATER SUPPLY SYSTEM IS TO REMAIN IN SERVICE UNTIL NEW WATERMAIN IS CONSTRUCTED AND PLACED IN SERVICE.
 - REMOVE AND SALVAGE ALL EXISTING WATER METERS, VALVES AND FIRE HYDRANTS.
 - NON-SHRINK GROUT FILL EXISTING WATER LINES AFTER BEING REMOVED FROM SERVICE.
 - SAW CUT ALL PAVEMENT FOR INSTALLING WATER LINES AND LATERALS.
 - MINIMUM COVER FOR WATER LINES SHALL BE (4) FOUR FEET.
 - INSTALL NEW WATER METER FOR EACH RESIDENCE NEXT TO THE EXISTING WATER METER.
 - CONTRACTOR TO CONNECT THE NEW WATER METER WITH THE EXISTING PLUMBING FOR EACH RESIDENCE.
 - ALL DAMAGED OR REMOVED CURB AND GUTTER WILL BE REPLACED TO MATCH EXISTING.
 - EXISTING ASPHALT PAVEMENT WILL BE OVERLAID IN ALL STREETS. CONTRACTOR TO PROFILE MILL PRIOR TO OVERLAY.





- NOTES:**
- EXISTING WATER SUPPLY SYSTEM IS TO REMAIN IN SERVICE UNTIL NEW WATERMAIN IS CONSTRUCTED AND PLACED IN SERVICE.
 - REMOVE AND SALVAGE ALL EXISTING WATER METERS, VALVES AND FIRE HYDRANTS.
 - NON-SHRINK GROUT FILL EXISTING WATER LINES AFTER BEING REMOVED FROM SERVICE.
 - SAW CUT ALL PAVEMENT FOR INSTALLING WATER LINES AND LATERALS.
 - MINIMUM COVER FOR WATER LINES SHALL BE (4) FOUR FEET.
 - INSTALL NEW WATER METER FOR EACH RESIDENCE NEXT TO THE EXISTING WATER METER.
 - CONTRACTOR TO CONNECT THE NEW WATER METER WITH THE EXISTING PLUMBING FOR EACH RESIDENCE.
 - ALL DAMAGED OR REMOVED CURB AND GUTTER WILL BE REPLACED TO MATCH EXISTING.
 - EXISTING ASPHALT PAVEMENT WILL BE OVERLAID IN ALL STREETS. CONTRACTOR TO PROFILE MILL PRIOR TO OVERLAY.

MATCHLINE, SEE SHEET C-102

MATCHLINE, SEE SHEET C-104



PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
 1580 ROADHAVEN DRIVE
 STONE MOUNTAIN, GEORGIA 30083

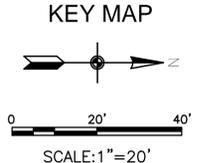
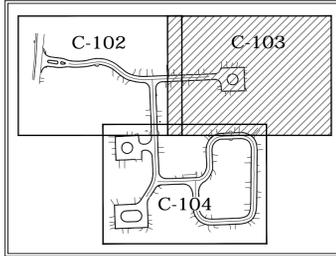
AMEC PROJECT No:
 6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED
1	10/18/13	SB	MI
2	4/5/16	H.SOZA	M. ILIC

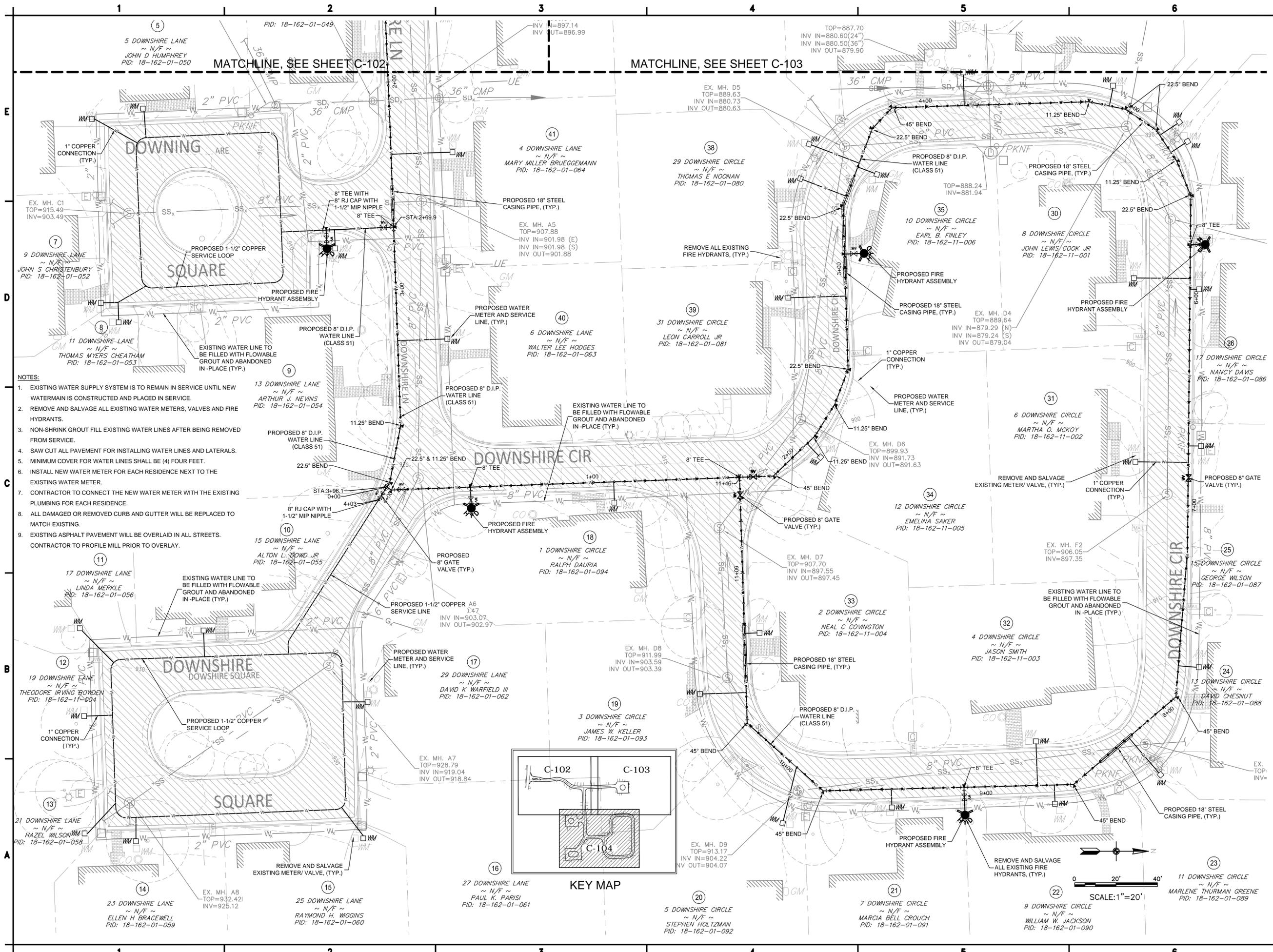
DESIGNED BY:	A. RAVAT
DRAWN BY:	A. RAVAT
CHECKED BY:	J. STUDER
IN CHARGE:	M. ILIC
DATE:	10 APR 2013

SHEET TITLE:
PROPOSED WATER SYSTEM 2 OF 3

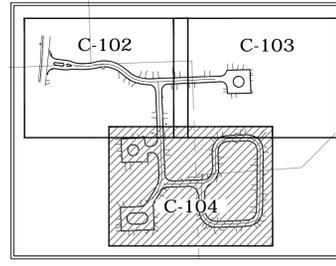
SHEET NUMBER:	REV. #
C-103	1
SHEET 5 OF 18 SHEETS	



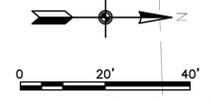
ITB NUMBER:



- NOTES:**
- EXISTING WATER SUPPLY SYSTEM IS TO REMAIN IN SERVICE UNTIL NEW WATERMAIN IS CONSTRUCTED AND PLACED IN SERVICE.
 - REMOVE AND SALVAGE ALL EXISTING WATER METERS, VALVES AND FIRE HYDRANTS.
 - NON-SHRINK GROUT FILL EXISTING WATER LINES AFTER BEING REMOVED FROM SERVICE.
 - SAW CUT ALL PAVEMENT FOR INSTALLING WATER LINES AND LATERALS.
 - MINIMUM COVER FOR WATER LINES SHALL BE (4) FOUR FEET.
 - INSTALL NEW WATER METER FOR EACH RESIDENCE NEXT TO THE EXISTING WATER METER.
 - CONTRACTOR TO CONNECT THE NEW WATER METER WITH THE EXISTING PLUMBING FOR EACH RESIDENCE.
 - ALL DAMAGED OR REMOVED CURB AND GUTTER WILL BE REPLACED TO MATCH EXISTING.
 - EXISTING ASPHALT PAVEMENT WILL BE OVERLAID IN ALL STREETS. CONTRACTOR TO PROFILE MILL PRIOR TO OVERLAY.



KEY MAP



PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
 1580 ROADHAVEN DRIVE
 STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
 6149-11-0234

REVISIONS				
NO.	DATE	BY	CHECKED	
1	10/18/13	SB	MI	
DESCRIPTION: ADDED ADDRESS AND OWNER INFORMATION FOR EACH LOT.				
2	4/5/16	H.SOZA	M. ILIC	

DESIGNED BY: A. RAVAT
 DRAWN BY: A. RAVAT
 CHECKED BY: J. STUDER
 IN CHARGE: M. ILIC
 DATE: 10 APR 2013

SHEET TITLE:
PROPOSED WATER SYSTEM 3 OF 3

SHEET NUMBER:	REV. #
C-104	1
SHEET 6 OF 18 SHEETS	



ENVIRONMENT & INFRASTRUCTURE, INC.
1075 BIG SHANTY ROAD NW, SUITE 100
KENNESAW, GA 30144
TEL: (770) 421-3400



NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY



DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
6149-11-0234

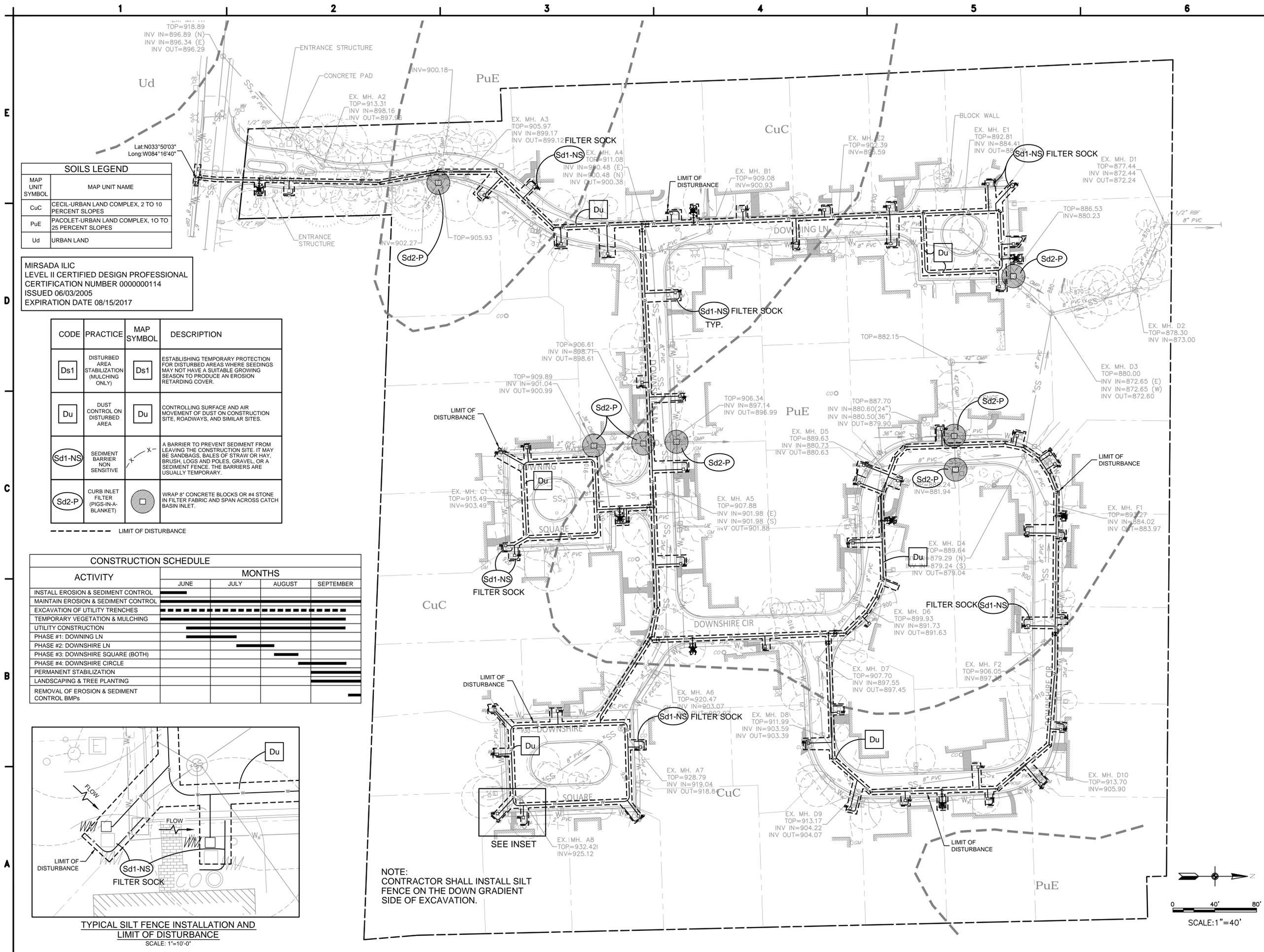
REVISIONS

NO.	DATE	BY	CHECKED
1	4/5/16	H.SOZA	M. ILIC

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

SHEET TITLE:
INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

SHEET NUMBER: C-105
REV. # 1
SHEET 7 OF 18 SHEETS



SOILS LEGEND

MAP UNIT SYMBOL	MAP UNIT NAME
CuC	CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
PuE	PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
Ud	URBAN LAND

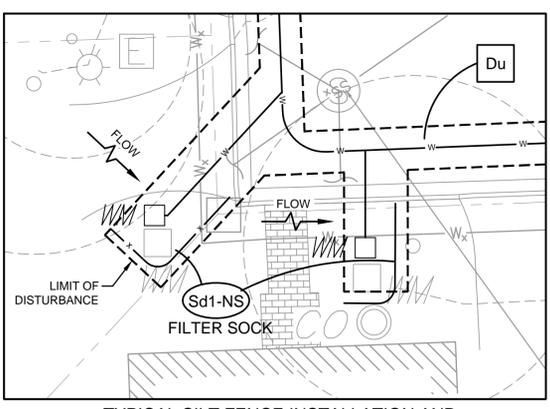
MIRSADA ILIC
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER 0000000114
ISSUED 06/03/2005
EXPIRATION DATE 08/15/2017

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (MULCHING ONLY)	Ds1	ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Du	DUST CONTROL ON DISTURBED AREA	Du	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS, AND SIMILAR SITES.
Sd1-NS	SEDIMENT BARRIER NON SENSITIVE	Sd1-NS	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY.
Sd2-P	CURB INLET FILTER (PIGS-IN-A-BLANKET)	Sd2-P	WRAP 8" CONCRETE BLOCKS OR #4 STONE IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.

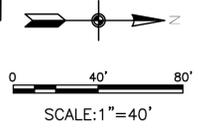
--- LIMIT OF DISTURBANCE

CONSTRUCTION SCHEDULE

ACTIVITY	MONTHS			
	JUNE	JULY	AUGUST	SEPTEMBER
INSTALL EROSION & SEDIMENT CONTROL	█	█	█	█
MAINTAIN EROSION & SEDIMENT CONTROL	█	█	█	█
EXCAVATION OF UTILITY TRENCHES	█	█	█	█
TEMPORARY VEGETATION & MULCHING	█	█	█	█
UTILITY CONSTRUCTION	█	█	█	█
PHASE #1: DOWNING LN	█	█	█	█
PHASE #2: DOWNSHIRE LN	█	█	█	█
PHASE #3: DOWNSHIRE SQUARE (BOTH)	█	█	█	█
PHASE #4: DOWNSHIRE CIRCLE	█	█	█	█
PERMANENT STABILIZATION	█	█	█	█
LANDSCAPING & TREE PLANTING	█	█	█	█
REMOVAL OF EROSION & SEDIMENT CONTROL BMPs	█	█	█	█

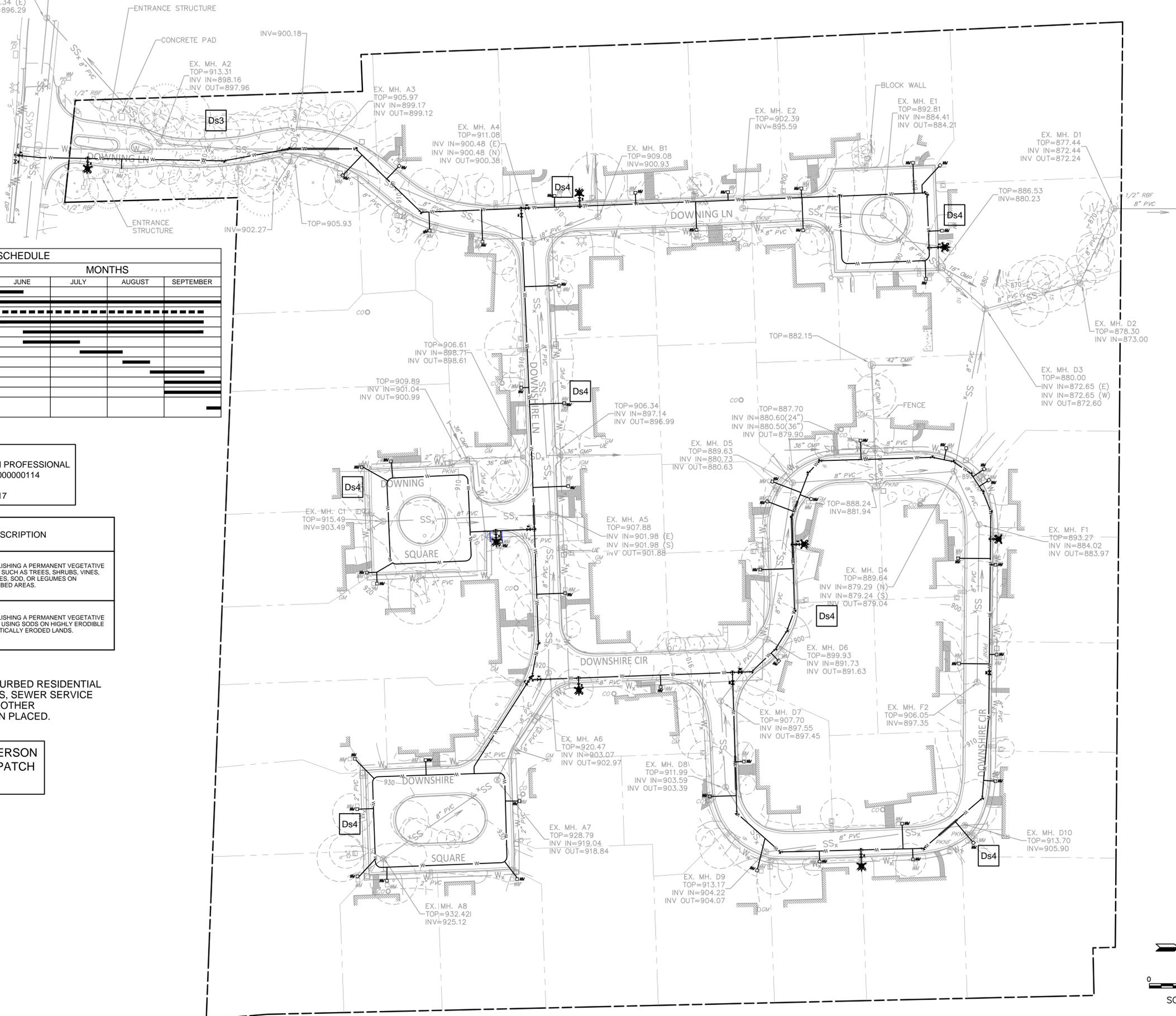


NOTE:
CONTRACTOR SHALL INSTALL SILT FENCE ON THE DOWN GRADIENT SIDE OF EXCAVATION.



1 2 3 4 5 6

TOP=918.89
INV IN=896.89 (N)
INV IN=896.34 (E)
INV OUT=896.29



CONSTRUCTION SCHEDULE

ACTIVITY	MONTHS			
	JUNE	JULY	AUGUST	SEPTEMBER
INSTALL EROSION & SEDIMENT CONTROL	█			
MAINTAIN EROSION & SEDIMENT CONTROL	█	█	█	█
EXCAVATION OF UTILITY TRENCHES	█	█	█	█
TEMPORARY VEGETATION & MULCHING	█	█	█	█
UTILITY CONSTRUCTION	█	█	█	█
PHASE #1: DOWNING LN	█			
PHASE #2: DOWNSHIRE LN		█		
PHASE #3: DOWNSHIRE SQUARE (BOTH)			█	
PHASE #4: DOWNSHIRE CIRCLE				█
PERMANENT STABILIZATION				█
LANDSCAPING & TREE PLANTING				█
REMOVAL OF EROSION & SEDIMENT CONTROL BMPs				█

MIRSADA ILIC
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER 0000000114
ISSUED 06/03/2005
EXPIRATION DATE 08/15/2017

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Ds3	DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	Ds3	ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	Ds4	ESTABLISHING A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

NOTE:
ESTABLISH SOD ON ALL DISTURBED RESIDENTIAL LOTS WHERE WATER METERS, SEWER SERVICE LINES, FIRE HYDRANTS, AND OTHER APPURTENANCES HAVE BEEN PLACED.

24 HOUR CONTACT PERSON
DEKALB COUNTY DISPATCH
(770) 270-6243



NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY



DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
6149-11-0234

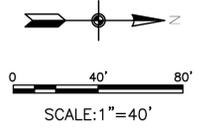
REVISIONS

NO.	DATE	BY	CHECKED
1	4/5/16	H.SOZA	M. ILIC

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

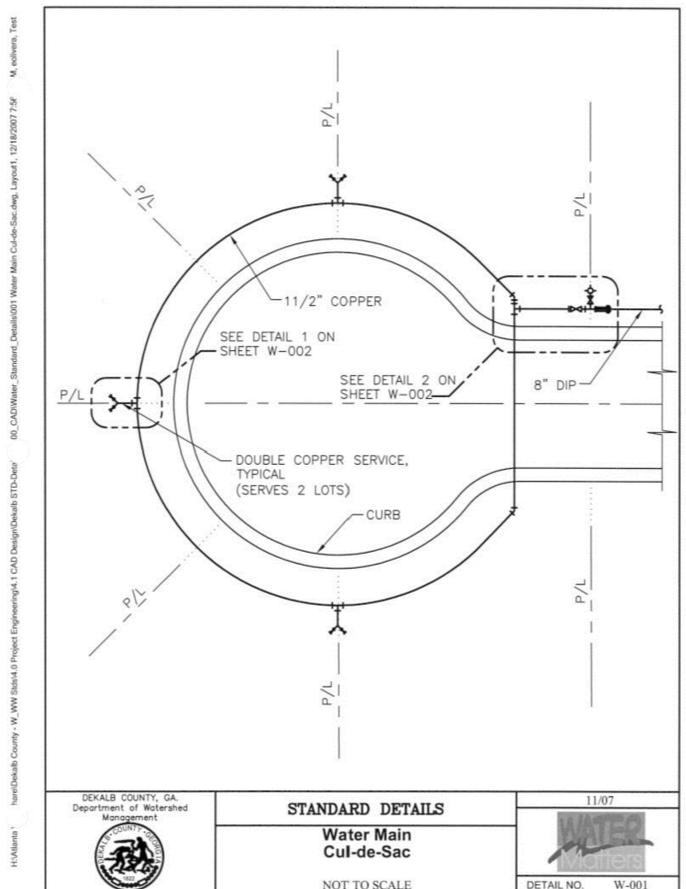
SHEET TITLE:
FINAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

SHEET NUMBER: C-106
REV. # 0
SHEET 8 OF 18 SHEETS

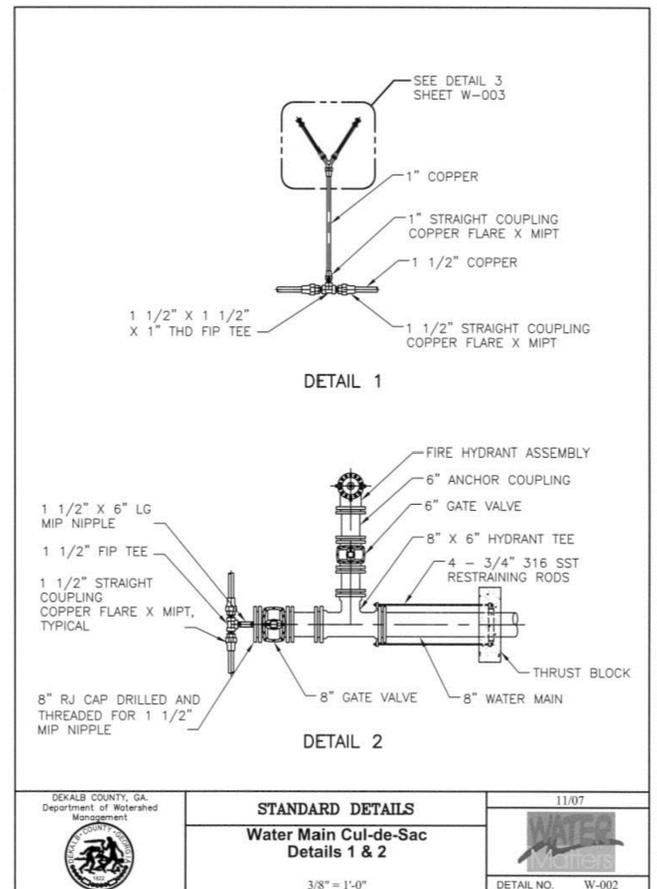


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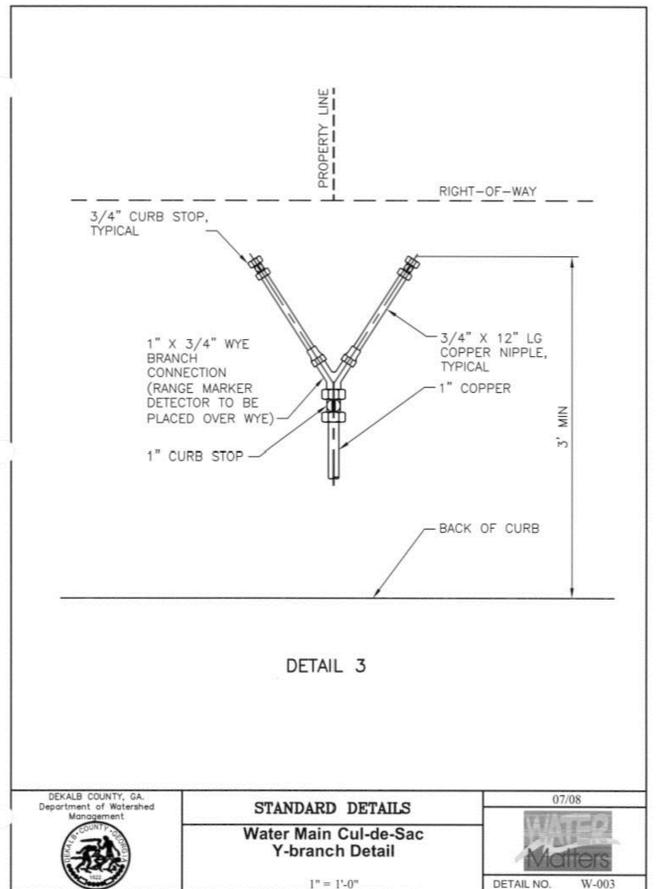
ITB NUMBER



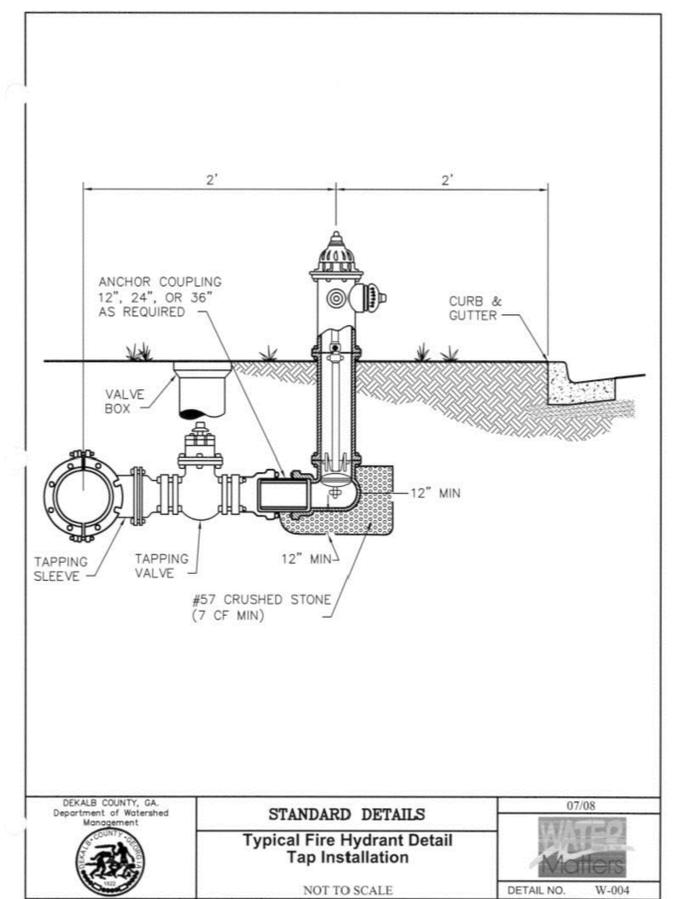
DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Water Main Cul-de-Sac
 NOT TO SCALE
 11/07
 DETAIL NO. W-001



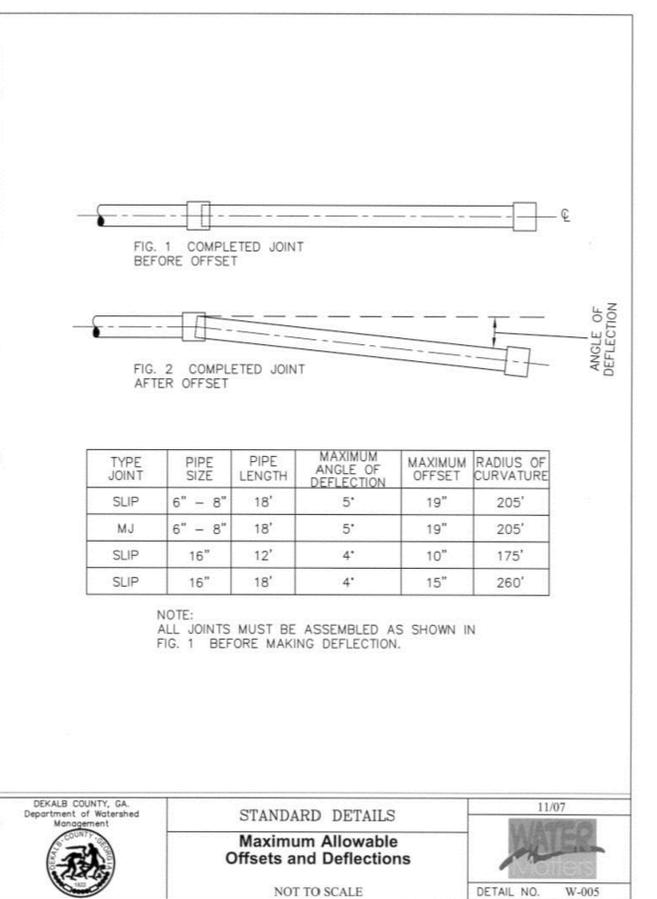
DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Water Main Cul-de-Sac Details 1 & 2
 3/8" = 1'-0"
 11/07
 DETAIL NO. W-002



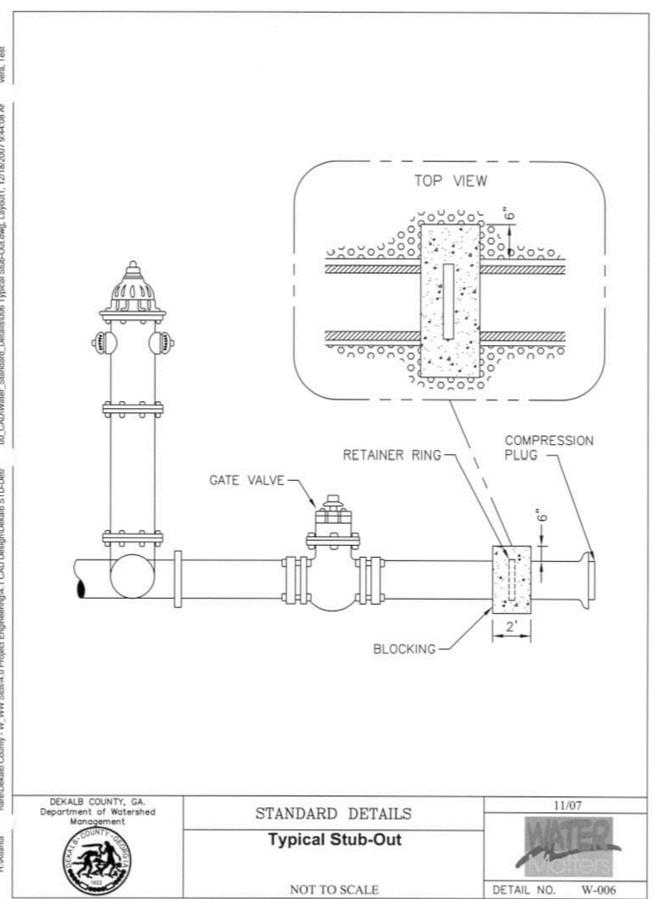
DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Water Main Cul-de-Sac Y-branch Detail
 1" = 1'-0"
 07/08
 DETAIL NO. W-003



DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Typical Fire Hydrant Detail Tap Installation
 NOT TO SCALE
 07/08
 DETAIL NO. W-004



DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Maximum Allowable Offsets and Deflections
 NOT TO SCALE
 11/07
 DETAIL NO. W-005



DEKALB COUNTY, GA. Department of Watershed Management
STANDARD DETAILS
Typical Stub-Out
 NOT TO SCALE
 11/07
 DETAIL NO. W-006



ENVIRONMENT & INFRASTRUCTURE, INC.
 1075 BIG SHANTY ROAD NW, SUITE 100
 KENNESAW, GA 30144
 TEL: (770) 421-3400



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PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY



DEPARTMENT OF WATERSHED MANAGEMENT
 1580 ROADHAVEN DRIVE
 STONE MOUNTAIN, GEORGIA 30083

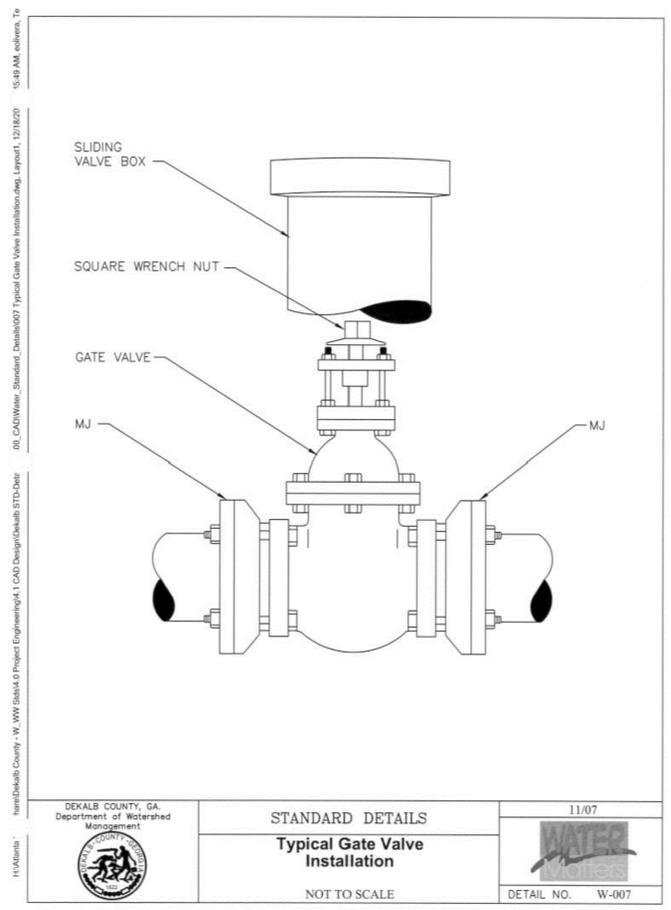
AMEC PROJECT No:
 6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED

DESIGNED BY: A. RAVAT
 DRAWN BY: C. BUDSOCK
 CHECKED BY: J. STUDER
 IN CHARGE: M. ILIC
 DATE: 10 APR 2013

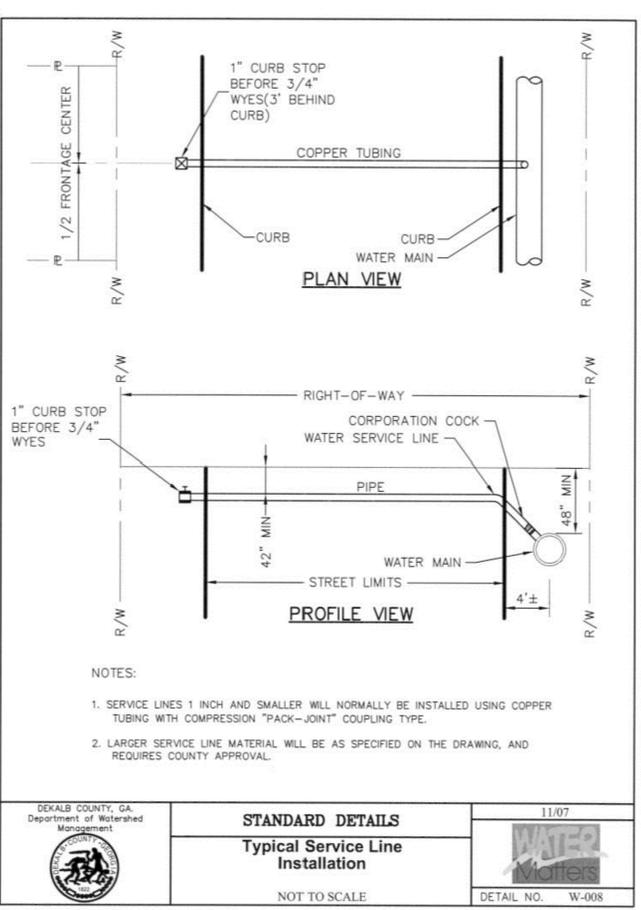
SHEET TITLE:
CONSTRUCTION DETAILS 1 OF 6

SHEET NUMBER: C-501
 REV. # 0
 SHEET 9 OF 18 SHEETS



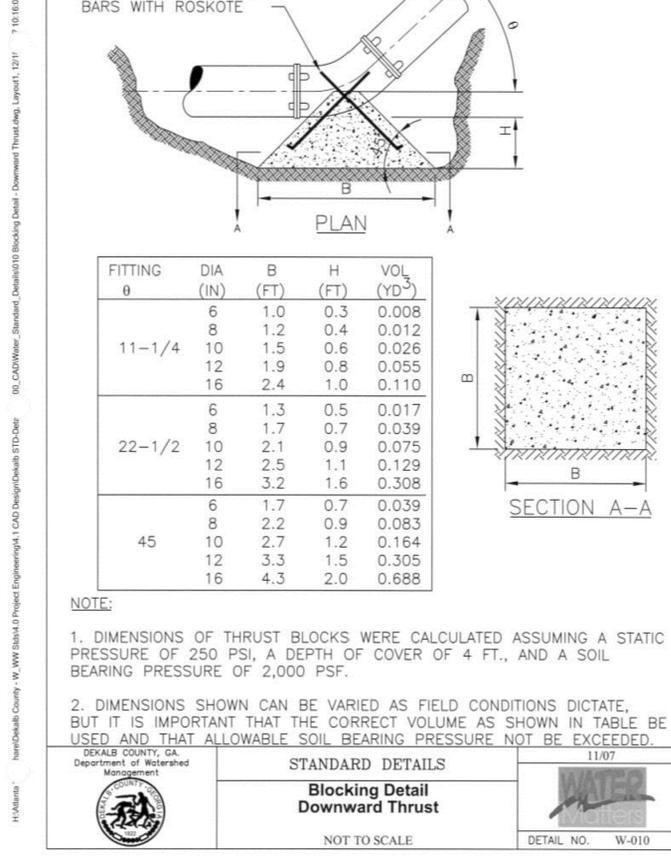
STANDARD DETAILS
Typical Gate Valve Installation
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
11/07
DETAIL NO. W-007



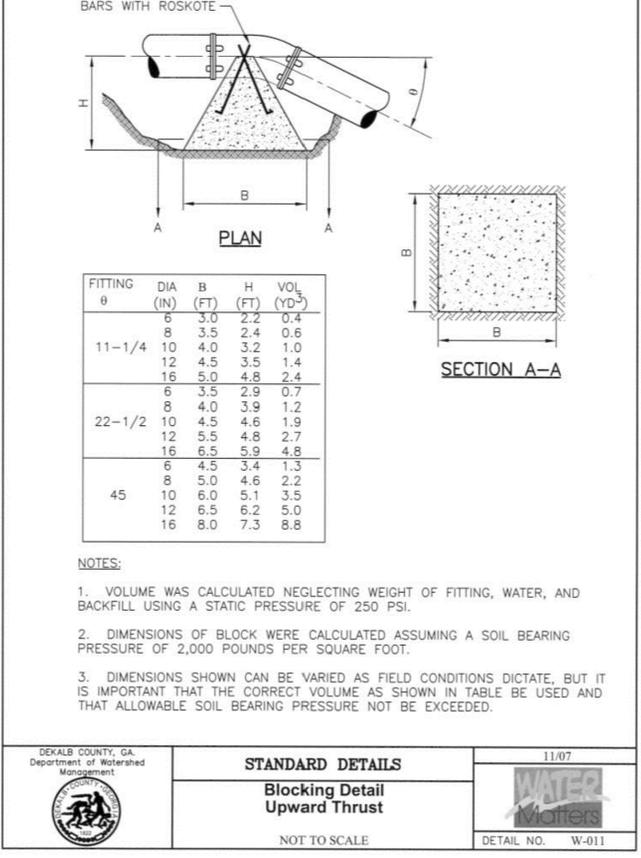
STANDARD DETAILS
Typical Service Line Installation
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
11/07
DETAIL NO. W-008



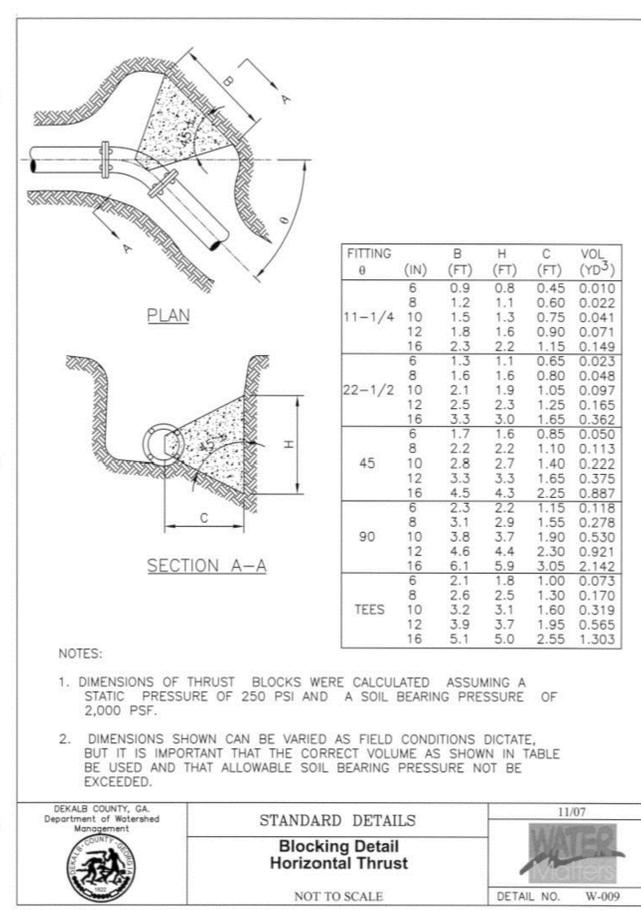
STANDARD DETAILS
Blocking Detail Downward Thrust
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
11/07
DETAIL NO. W-010



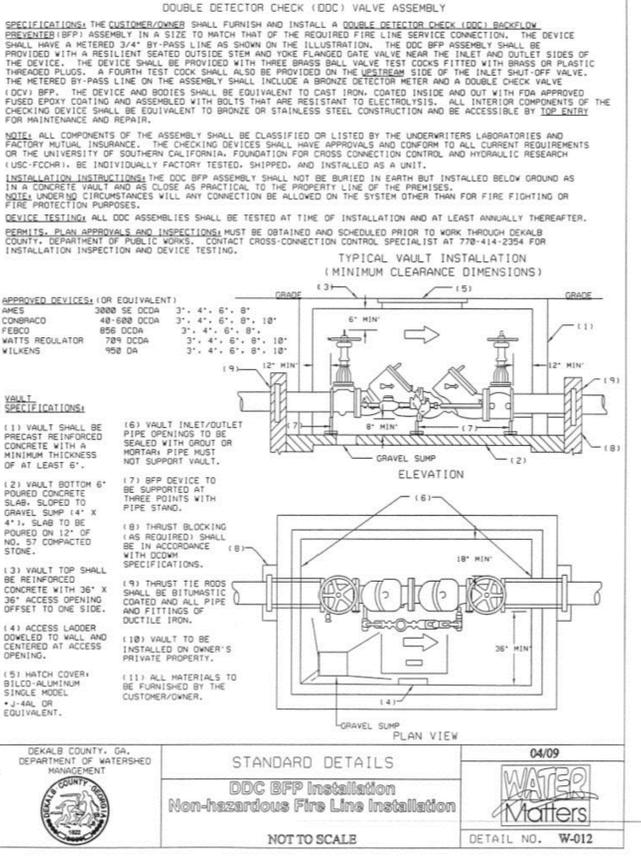
STANDARD DETAILS
Blocking Detail Upward Thrust
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
11/07
DETAIL NO. W-011



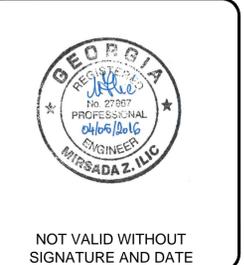
STANDARD DETAILS
Blocking Detail Horizontal Thrust
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
11/07
DETAIL NO. W-009



STANDARD DETAILS
DDC BFP Installation Non-hazardous Fire Line Installation
NOT TO SCALE

DEKALB COUNTY, GA
Department of Watershed Management
04/09
DETAIL NO. W-012



PROJECT:
WESTFIELD
SUBDIVISION
WATER SYSTEM
UPGRADE

DEKALB COUNTY
DEPARTMENT OF WATERSHED
MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

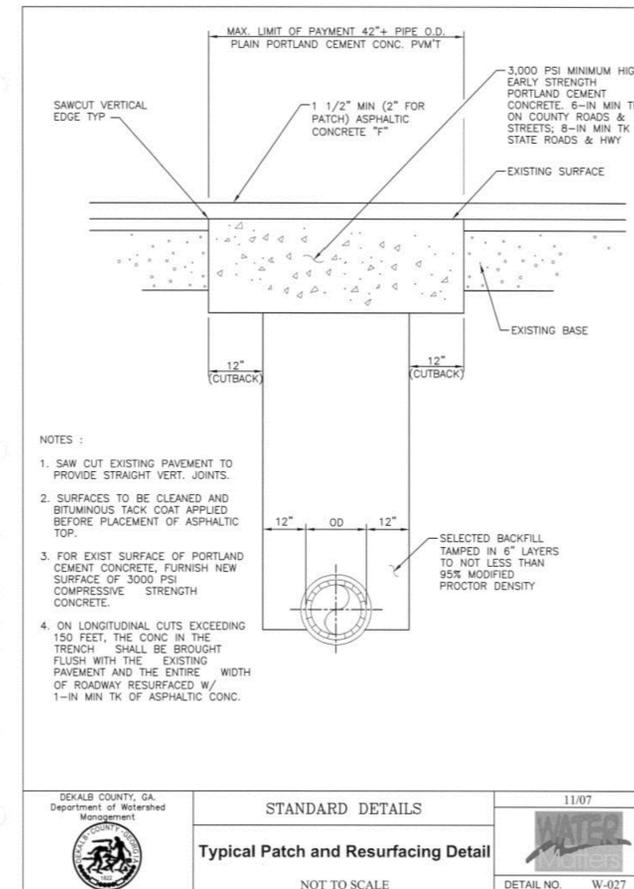
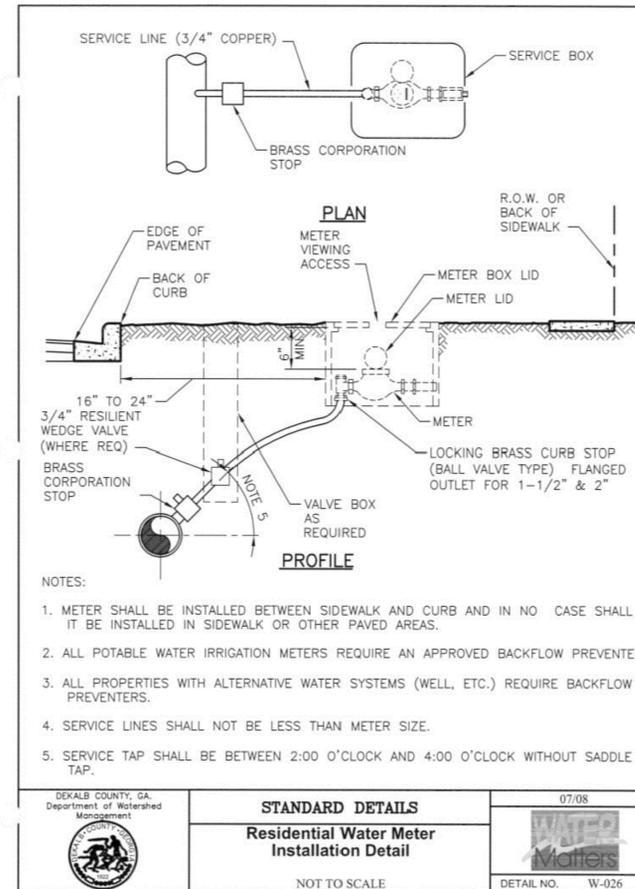
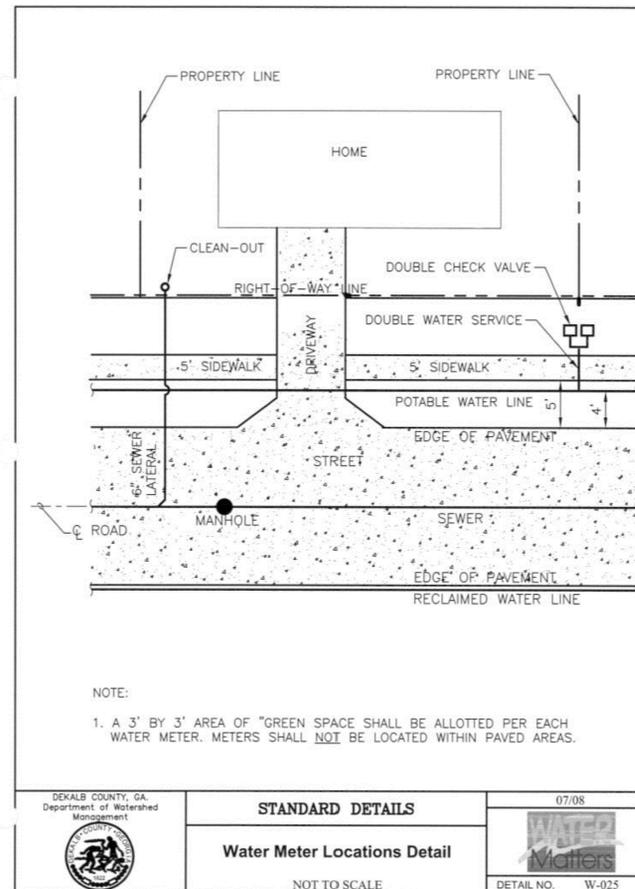
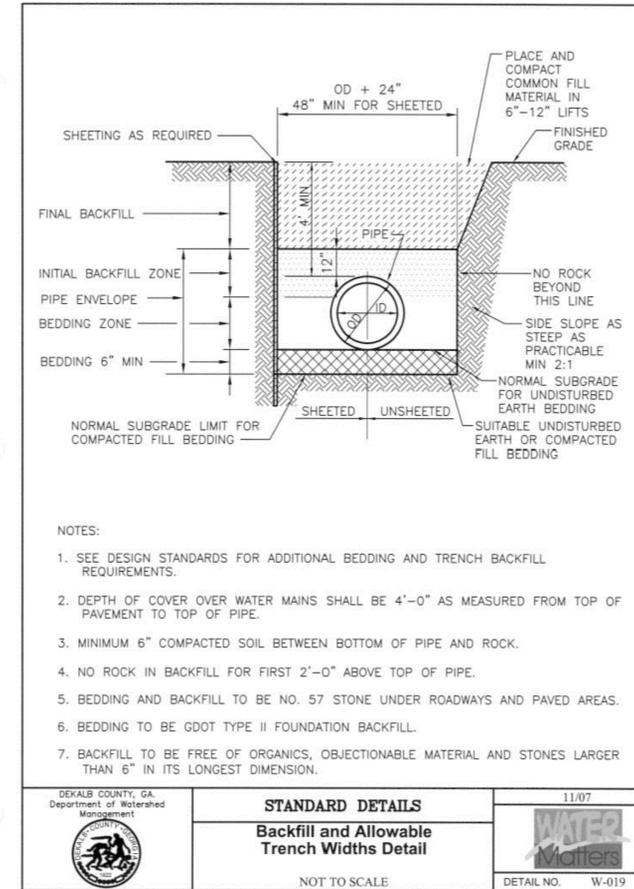
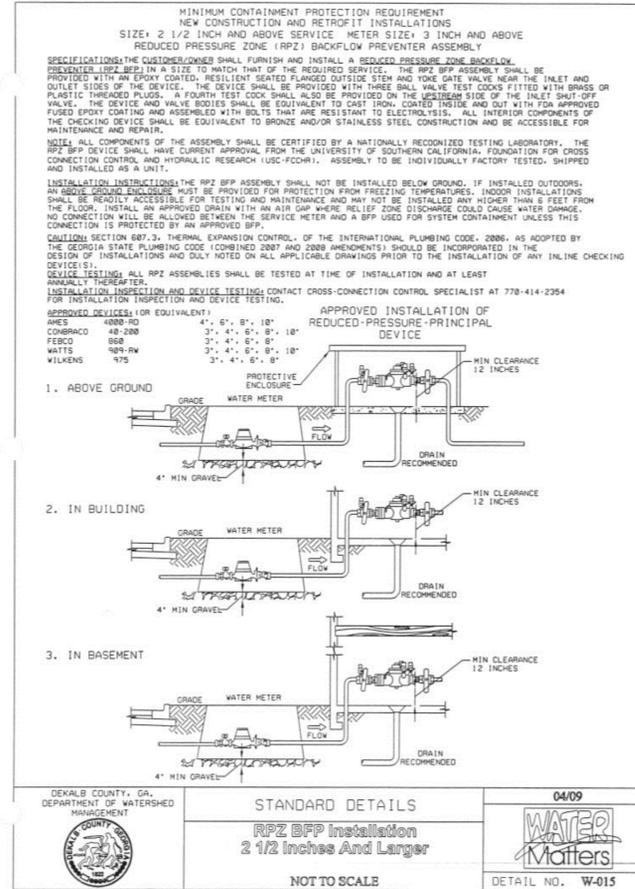
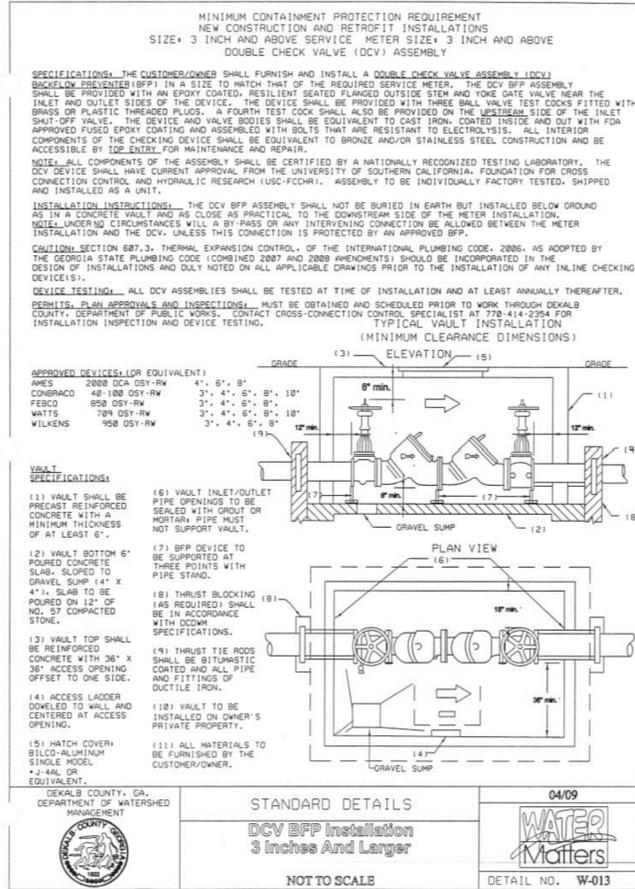
AMEC PROJECT No:
6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILLIC
DATE: 10 APR 2013

SHEET TITLE:
CONSTRUCTION
DETAILS 2 OF 6

SHEET NUMBER: C-502
REV. # 0
SHEET 10 OF 18 SHEETS



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PROJECT:
WESTFIELD SUBDIVISION
WATER SYSTEM UPGRADE

DEKALB COUNTY



DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

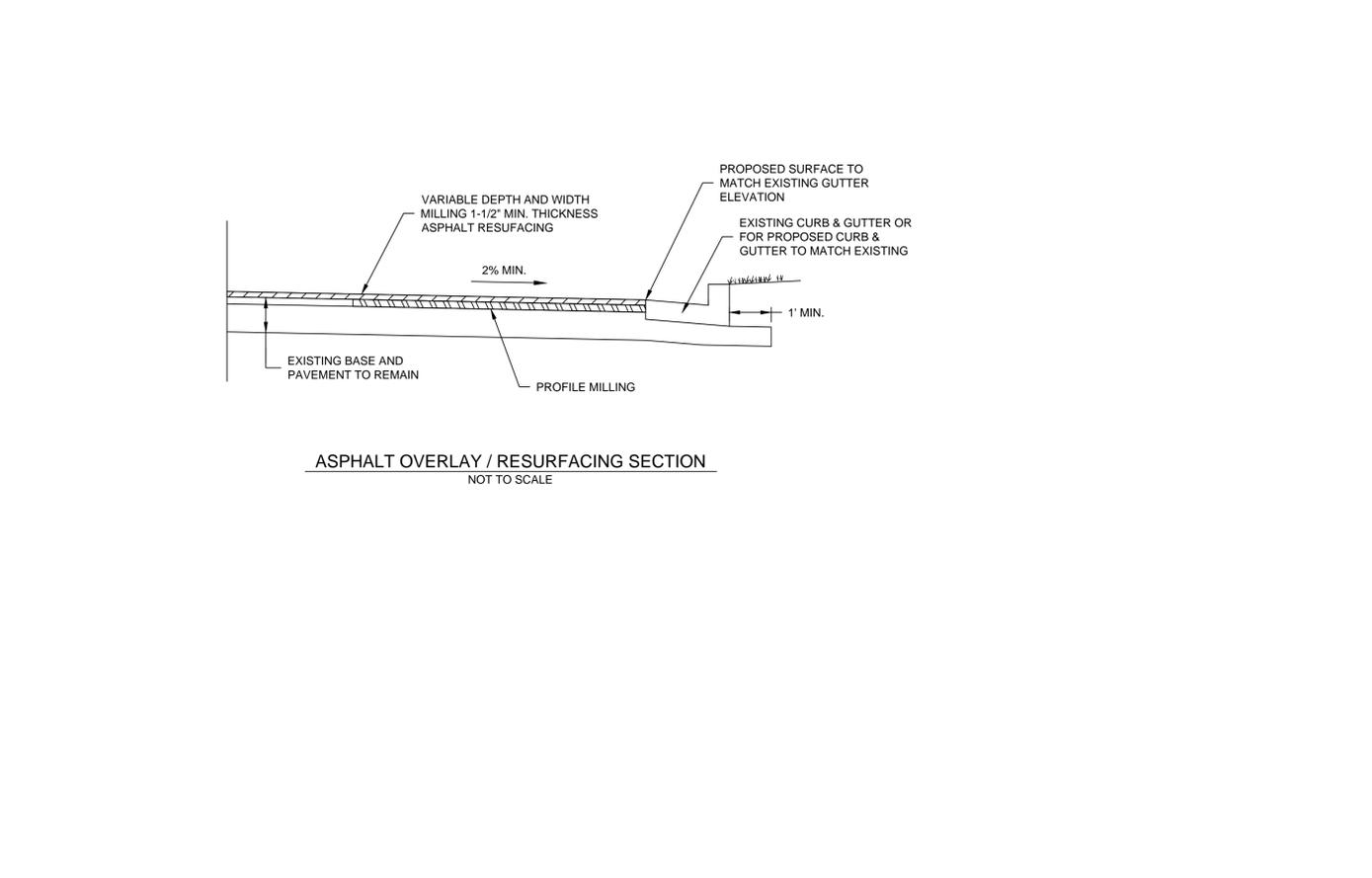
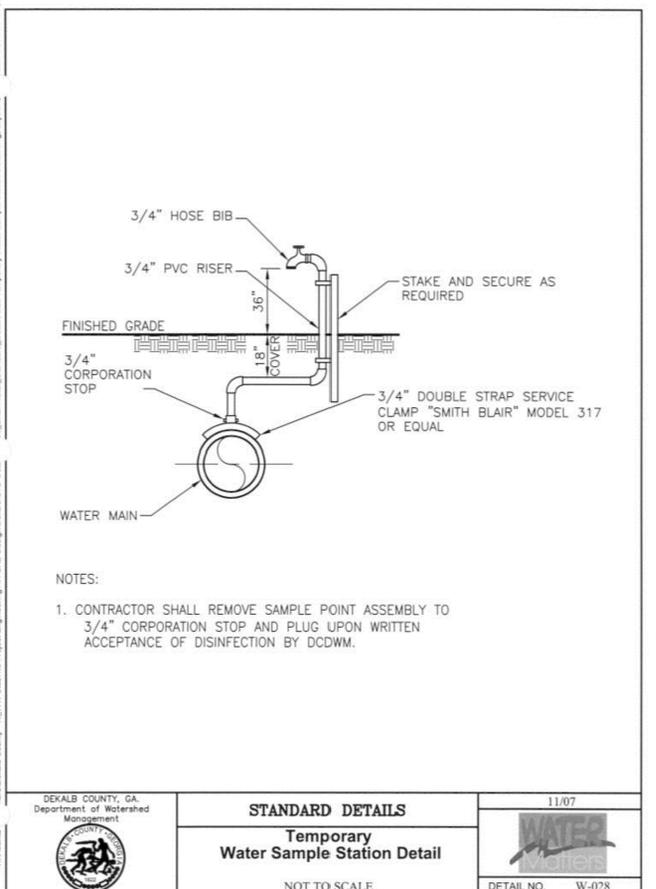
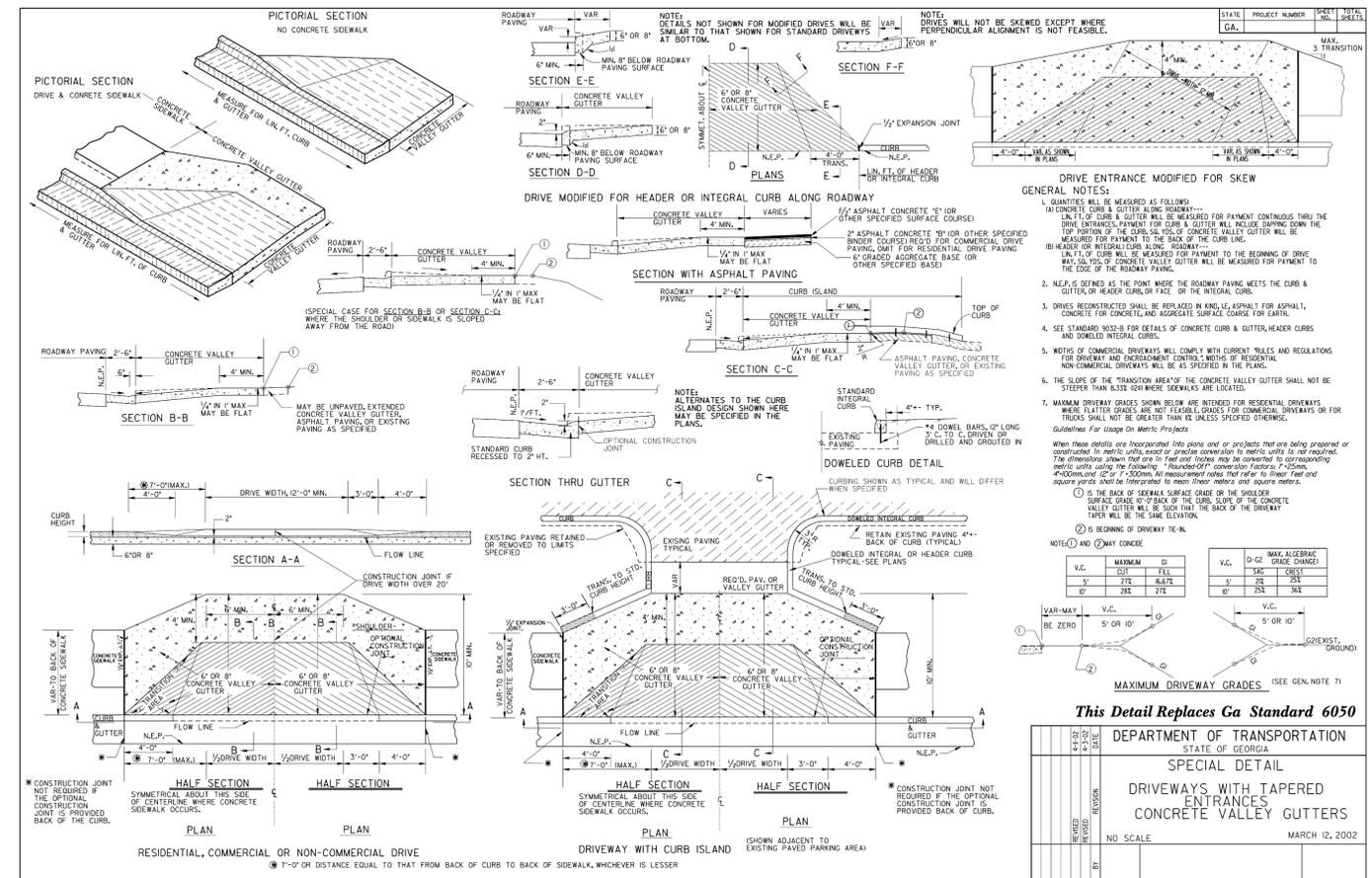
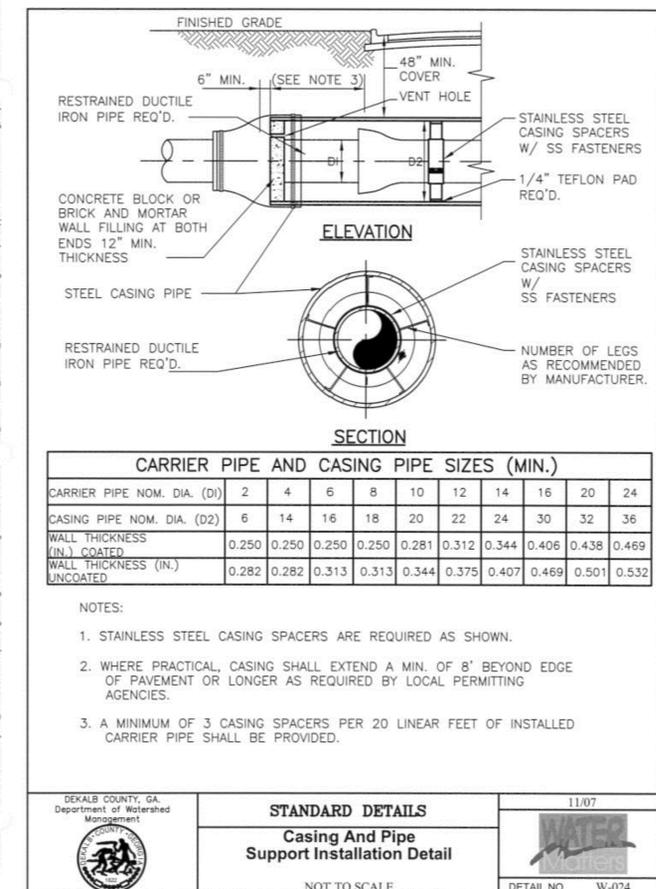
AMEC PROJECT No:
6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

SHEET TITLE:
CONSTRUCTION
DETAILS 3 OF 6

SHEET NUMBER: C-503
REV. # 0
SHEET 11 OF 18 SHEETS



PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
 1580 ROADHAVEN DRIVE
 STONE MOUNTAIN, GEORGIA 30083

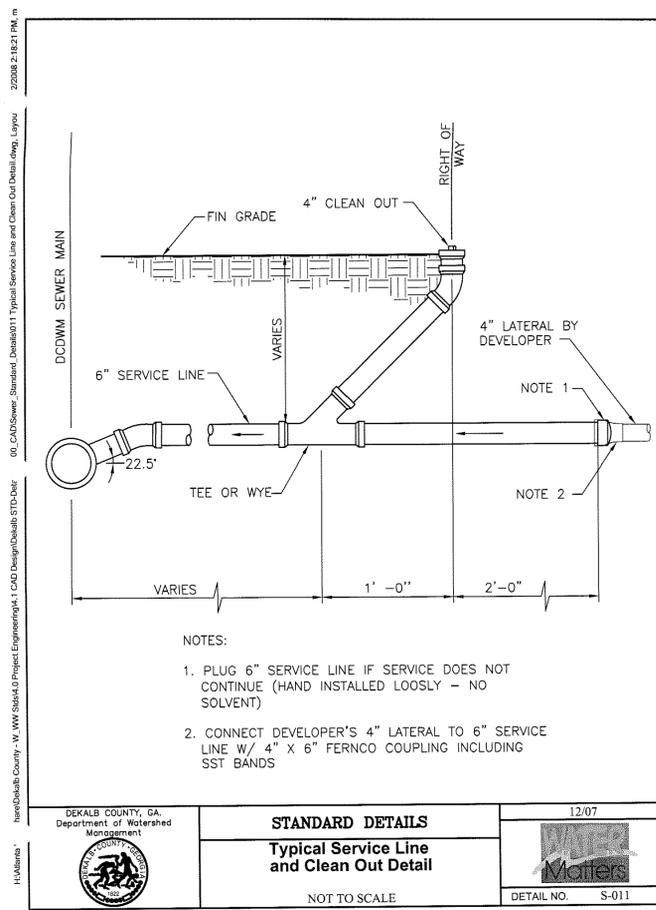
AMEC PROJECT No:
 6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

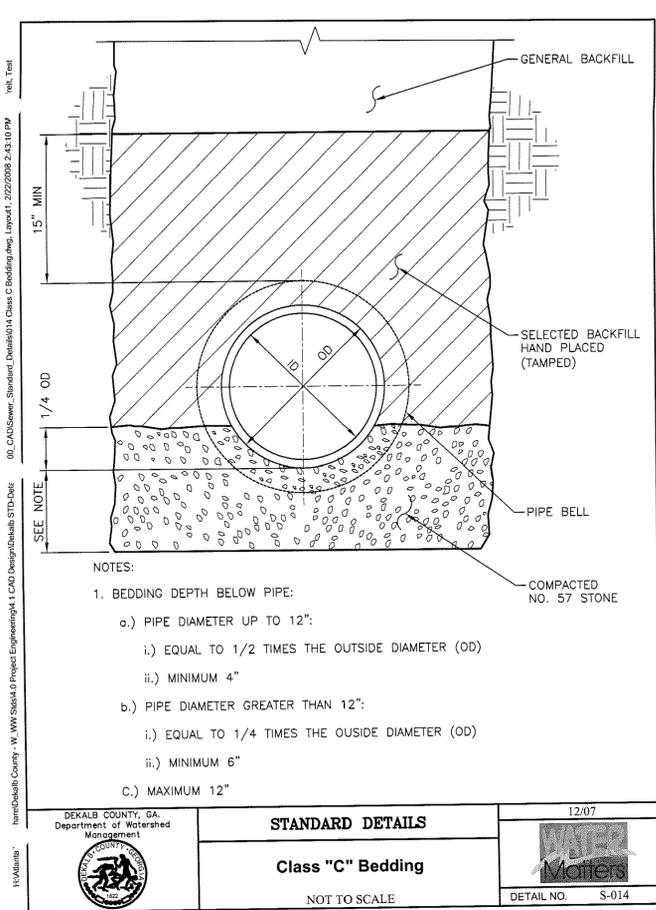
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CONSTRUCTION DETAILS 4 OF 6

SHEET NUMBER: C-504
REV. # 0
SHEET 12 OF 18 SHEETS



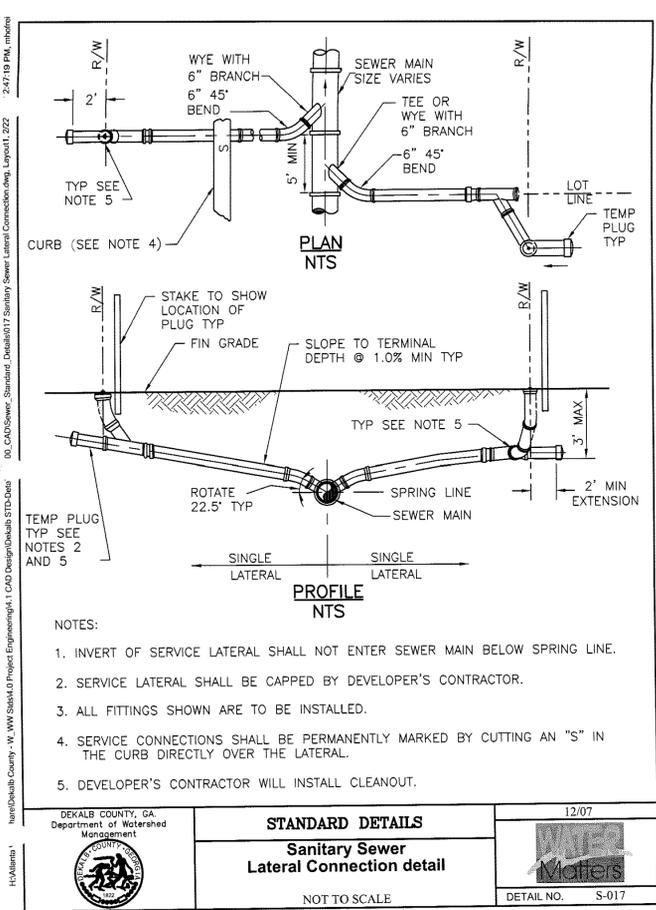
- NOTES:
1. PLUG 6" SERVICE LINE IF SERVICE DOES NOT CONTINUE (HAND INSTALLED LOOSLY - NO SOLVENT)
 2. CONNECT DEVELOPER'S 4" LATERAL TO 6" SERVICE LINE W/ 4" X 6" FERNCO COUPLING INCLUDING SST BANDS

	STANDARD DETAILS	12/07
	Typical Service Line and Clean Out Detail NOT TO SCALE	 DETAIL NO. S-011



- NOTES:
1. BEDDING DEPTH BELOW PIPE:
 - a.) PIPE DIAMETER UP TO 12":
 - i.) EQUAL TO 1/2 TIMES THE OUTSIDE DIAMETER (OD)
 - ii.) MINIMUM 4"
 - b.) PIPE DIAMETER GREATER THAN 12":
 - i.) EQUAL TO 1/4 TIMES THE OUTSIDE DIAMETER (OD)
 - ii.) MINIMUM 6"
 - c.) MAXIMUM 12"

	STANDARD DETAILS	12/07
	Class "C" Bedding NOT TO SCALE	 DETAIL NO. S-014



- NOTES:
1. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
 2. SERVICE LATERAL SHALL BE CAPPED BY DEVELOPER'S CONTRACTOR.
 3. ALL FITTINGS SHOWN ARE TO BE INSTALLED.
 4. SERVICE CONNECTIONS SHALL BE PERMANENTLY MARKED BY CUTTING AN "S" IN THE CURB DIRECTLY OVER THE LATERAL.
 5. DEVELOPER'S CONTRACTOR WILL INSTALL CLEANOUT.

	STANDARD DETAILS	12/07
	Sanitary Sewer Lateral Connection detail NOT TO SCALE	 DETAIL NO. S-017



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PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY



DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
6149-11-0234

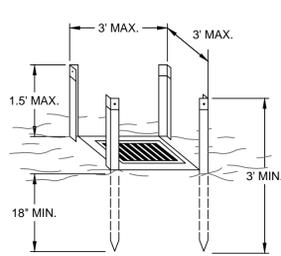
REVISIONS			
NO.	DATE	BY	CHECKED

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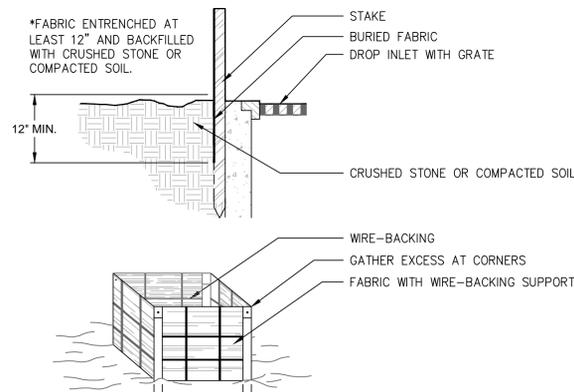
SHEET TITLE:
CONSTRUCTION DETAILS 6 OF 6

SHEET NUMBER:	REV. #
C-506	0
SHEET 14 OF 18 SHEETS	

STEEL FRAME AND SILT FENCE INSTALLATION

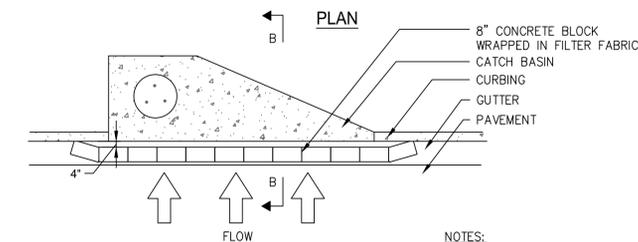


- NOTES:**
- DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 - THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 - THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 - THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

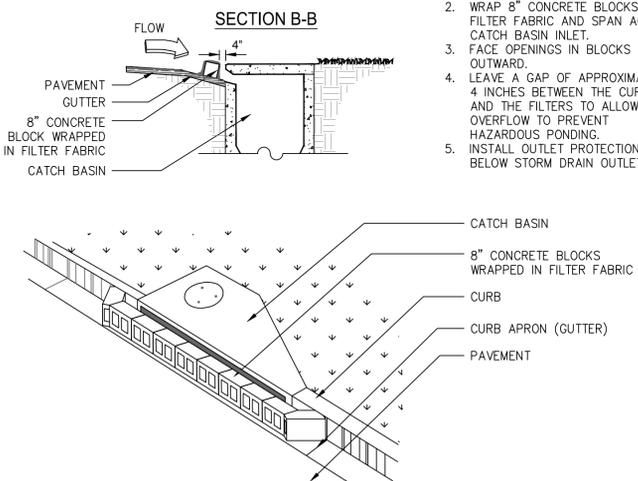


FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

Sd2-F



- NOTES:**
- INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 - WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 - FACE OPENINGS IN BLOCKS OUTWARD.
 - LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 - INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



NOTE: INSTALL AROUND ALL STORM WATER INLETS ON SITE. CURB INLET FILTER "PIGS IN BLANKET"

Sd2-P

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

TABLE 1
SUGGESTED SEEDBED DEPTHS

SLOPE	SEEDBED DEPTH
3:1 OR FLATTER	LESS THAN 4" DEPTH
2:1 TO 3:1	1" TO 4" DEPTH
2:1 OR STEEPER	DEPRESSIONS EVERY 6" TO 8" HAND-DUG, IF NECESSARY

RE-SEED AREAS WHERE AN ADEQUATE STAND OF TEMPORARY VEGETATION FAILS TO EMERGE OR WHERE A POOR STAND EXISTS.

TABLE 2
SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
RYE (GRAIN)	3.9 LBS.	3 BU	8/15-11/19	9/15-12/1 3/1-4/1	10/1-11/1
RYEGRASS	0.9 LB.	40 LBS.	8/15-11/15	9/1-12/15	9/15-1/1
RYE AND ANNUAL LESPEDEZA	0.6 LB. 0.6 LB.	0.5 BU 24 LBS	3/1-4/1	3/1-4/1	2/1-3/1
WEEPING LOVEGRASS	0.1 LB.	4 LBS.	4/1-6/1	4/1-6/1	3/1-6/1
SUDANGRASS	1.0 LB.	60 LBS.	5/1-8/1	5/1-8/1	4/1-8/1
BROWNTOP MILLET	1.1 LBS.	50 LBS.	4/15-6/15	4/15-7/1	4/15-7/1
WHEAT	4.1 LBS.	3 BU	9/15-12/1	10/1-12/15	10/15-1/1

- UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
- SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

TABLE 3
FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPE OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	--
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND MAINTENANCE	0-10-10	1000	--
TEMPORARY COVER CROPS SEEDING ALONE	FIRST	10-10-10	500	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	800	50-100
			400	30

Ds1 DISTURBED AREA STABILIZATION (WITH MULCH ONLY)

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	6" TO 10"
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURERS RECOMMENDATIONS	---

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

TABLE 1
SOME PERMANENT PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

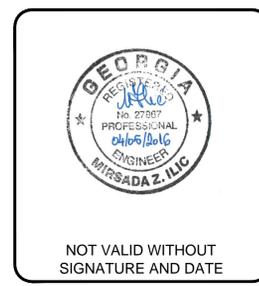
SPECIES	RATES PER ACRE	RATES PER 1,000 SQ. FT.	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	-	4/1-5/31	3/1-5/31	LOW GROWING SOD PRODUCING; WILL SPREAD INTO BERMUDA LAWNS.
BAHIA, WILMINGTON ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LB.	3/15-5/31	3/1-5/31	-	SAME AS ABOVE.
BERMUDA, COMMON (HULLED SEED) ALONE WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	-	4/1-5/31	3/15-5/31	QUICK COVER; LOW GROWING; SOD FORMING; NEEDS FULL SUN.
BERMUDA, COMMON (UNHULLED SEED) WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	-	10/15-2/28	11/1-1/31	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA, SPRIGS COMMON LAWN AND FORAGE HYBRIDS	40 CU. FT. SOD PLUGS 3"x3"	0.9 CU. FT.	4/15-6/15	4/1-6/15	4/1-5/31	1 CU. FT. = 650 SPRIGS; 1 BU. = 1.25 CU. FT. OR 800 SPRIGS
CROWN VETCH WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LB.	9/1-10/15	9/1-10/15	-	MIX WITH 30 LBS. TALL FESCUE OR 15 LBS. RYE. INOCULATE SEED; PLANT ONLY NORTH OF ATLANTA.
FESCUE, TALL ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LB.	3/1-4/1 OR 8/15-9/30	8/15-10/15 OR 2/15-4/15	-	MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH; NOT FOR DROUGHTY SOILS OR HEAVY USE AREAS.
LESPEDEZA, SERICEA SCARIFIED	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	WIDELY ADAPTED AND LOW MAINTENANCE; TAKES 2-3 YEARS TO ESTABLISH. SEED WITH EL INOCULANT; MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA OR TALL FESCUE.
UNSCARIFIED	75 LBS.	1.7 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	MIX WITH TALL FESCUE OR WINTER ANNUALS. CUT WHEN SEED IS MATURE BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
SEED-BEARING HAY	3 TONS.	138 LBS.	10/1-2/1	10/1-2/28	9/15-1/15	
LESPEDEZA, AMBRO VIRGATA OR APPALOW SCARIFIED UNSCARIFIED	60 LBS. 75 LBS.	1.4 LBS. 1.7 LBS.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/1-5/15 9/1-2/28	SPREADING GROWTH WITH HEIGHT OF 18"-24"; GOOD IN URBAN AREA; SLOW TO DEVELOP GOOD STANDS; MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA TALL FESCUE OR WINTER ANNUALS; DO NOT MIX WITH SERICEA LESPEDEZA; INOCULATE SEED WITH EL INOCULANT.
LESPEDEZA, SHRUB (LESPEDEZA BICOLOR OR LESPEDEZA THUMBERGII) PLANTS	3"x3" SPACING		11/1-3/31	11/1-3/15	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING ALONE WITH OTHER PERENNIALS	4 LBS. 2 LBS.	0.1 LB. 0.05 LB.	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER; DROUGHT TOLERANT; GROWS WELL WITH SERICEA LESPEDEZA ON ROAD-BANKS AND OTHER STEEP SLOPES; SHORT LIVED.
MAIDENCANE SPRIGS	2"x3" SPACING		2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHORELINES. DIG SPRIGS LOCALLY.
PANICGRASS, ATLANTIC COASTAL	20 LBS.	0.5 LB.	-	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES; MIX WITH SERICEA LESPEDEZA BUT NOT ON SAND DUNES.
REED CANARY GRASS ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LB.	8/15-10/15	9/1-10/15	-	GROW SIMILAR TO TALL FESCUE; FOR WET SITES.
SUNFLOWER, AZTEC MAXIMILLIAN	10 LBS.	0.2 LB.	4/15-5/31	4/15-5/31	4/1-5/31	MIX WITH WEEPING LOVE-GRASS OR OTHER LOW GROWING GRASSES OR LEGUMES.
SWITCHGRASS	20 LBS.	0.4 LB.	4/1-5/31	4/1-5/31	4/1-5/31	FOR STREAMBANK PLANTINGS, DRAINAGE DITCHES, AND WET AREAS.

TABLE 3
FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	--
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND MAINTENANCE	0-10-10	1000	--
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	800	50-100
			400	30
WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	50
	SECOND MAINTENANCE	0-10-10	1000	--
			400	--

- RATES ARE FOR BROADCAST SEED. IF A SEED DRILL IS USED, REDUCE THE RATES BY ONE-HALF.
- PLS IS AN ABBREVIATION OF PURE LIVE SEED.
- CONTRACTOR SHALL USE M-L REGION FOR DETERMINATION OF SEED TYPES AND PLANTING DATES.

MIRSADA ILIC
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER 0000000114
ISSUED 06/03/2008
EXPIRATION DATE 08/15/2017



PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
6149-11-0234

REVISIONS

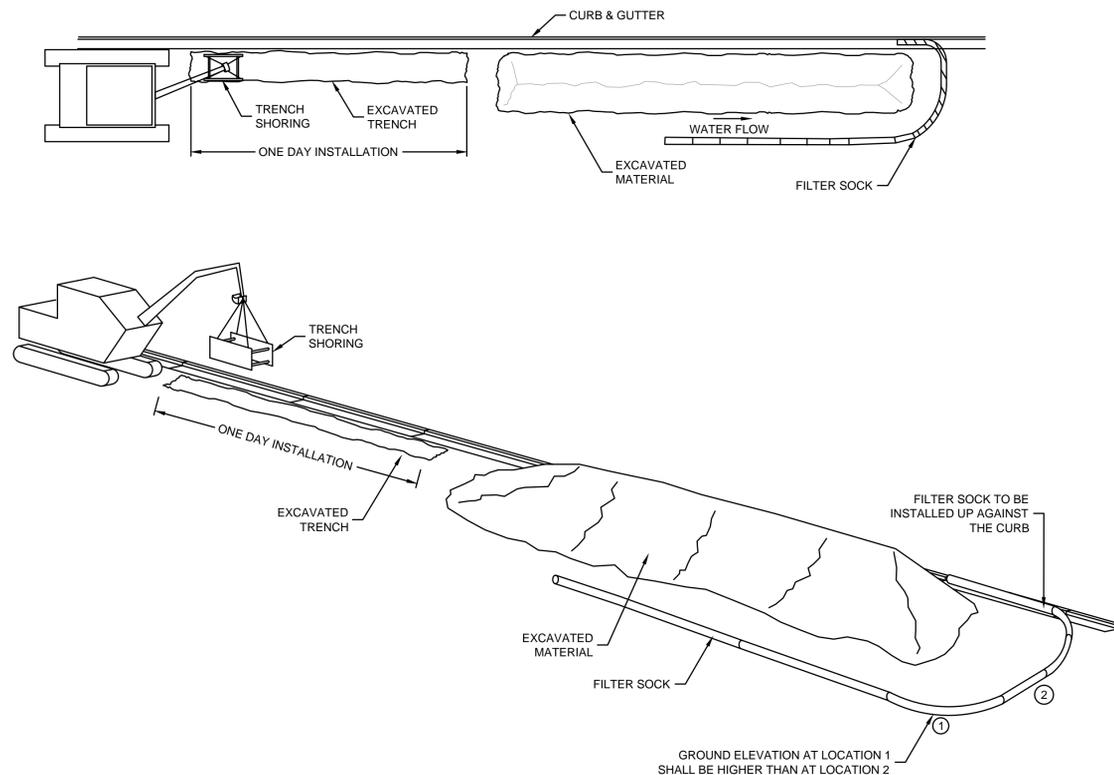
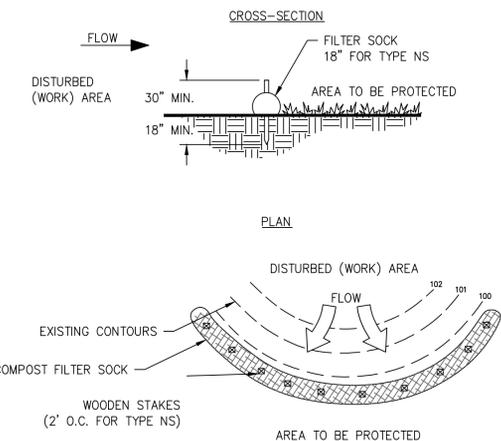
NO.	DATE	BY	CHECKED
1	4/5/16	H.SOZA	M. ILIC

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

SHEET TITLE:
EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS
1 OF 2

SHEET NUMBER: C-507
REV. # 0
SHEET 15 OF 18 SHEETS

Sd1-NS COMPOST FILTER SOCK



NOTE:

CONTRACTOR TO DISTURB ONLY THE SECTION OF WATER LINE THAT CAN BE INSTALLED AND BACKFILLED IN ONE DAY.

EXCAVATED MATERIAL SHALL BE PLACED AND COMPACTED INTO THE TRENCH AS SPECIFIED.

AT THE END OF THE WORKING DAY THERE SHALL BE NO EXCAVATED MATERIAL LEFT IDLE ON THE ROADWAY.

EXCESS MATERIAL FROM THE TRENCH EXCAVATION THAT IS NOT REUSED IN BACKFILLING THE TRENCH, SHALL BE DISPOSED OFF OFF-SITE AT SUITABLE DISPOSAL FACILITY.

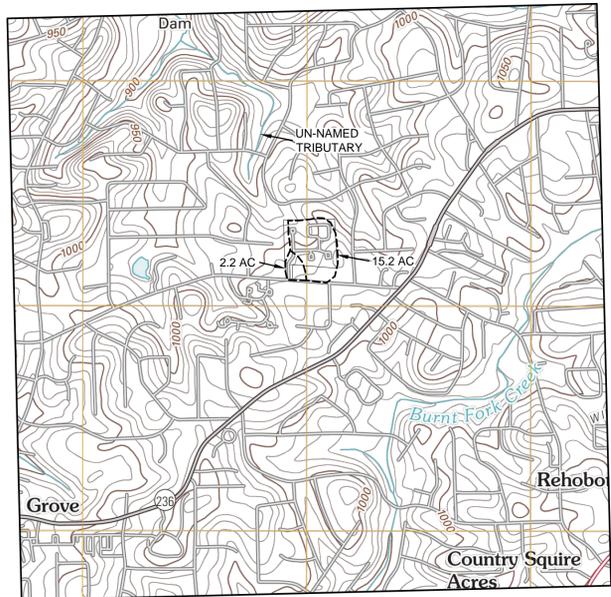
TO MINIMIZE SEDIMENT ACCUMULATION, WORK SHALL NOT BE PERFORMED DURING WET WEATHER CONDITIONS.

FILTER SOCK APPLICATION
NTS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: _____
Project Name: WESTFIELD SQUARE WATER SYSTEM UPGRADE Address: WESTFIELD SQUARE SUBDIVISION
City/County: DECATUR / DEKALB Date on Plans: APRIL 5, 2016

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
C-508	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
ALL	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
C-108	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C-601	Y	4 Provide the name, address and phone number of primary permittee.
C-601	Y	5 Note total and disturbed acreage of the project or phase under construction.
C-105	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
ALL	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-601	Y	8 Description of the nature of construction activity.
C-001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-601	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-602	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
N/A		12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
N/A		13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable.*
N/A		14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5. within 7 days after installation."
C-601	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of reseeded vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
C-601	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
N/A		17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."
N/A		18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."
C-601	Y	19 Clearly note the statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."



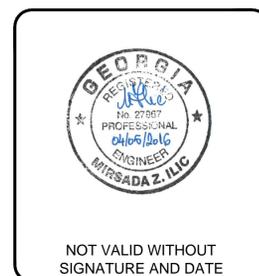
C-601	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-601	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A		22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment."
N/A		23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan."
N/A		24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited."
C-602	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
N/A		26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed."
N/A		27 Description of the practices that will be used to reduce the pollutants in storm water discharges."
C-105	Y	28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
N/A		29 Provide complete requirements of inspections and record keeping by the primary permittee."
N/A		30 Provide complete requirements of sampling frequency and reporting of sampling results."
N/A		31 Provide complete details for retention of records as per Part IV.F. of the permit."
N/A		32 Description of analytical methods to be used to collect and analyze the samples from each location."
N/A		33 Appendix B rationale for NTU values at all outfall sampling points where applicable."
N/A		34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable."
N/A		35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase."
ALL	Y	36 Graphic scale and North arrow.
ALL	Y	37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours USGS 1": 2000' Topographical Sheets Proposed Contours 1": 400' Centerline Profile
N/A		38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

N/A		39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition."
C-601	Y	40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
C-601	Y	41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
C-508	Y	42 Delineation and acreage of contributing drainage basins on the project site.
C-601	Y	43 Delineate on-site drainage and off-site watersheds using USGS 1" 2000' topographical sheets.
C-601	Y	44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
N/A		45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C-105	Y	46 Soil series for the project site and their delineation.
C-105	Y	47 The limits of disturbance for each phase of construction.
C-601	Y	48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
C-105	Y	49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C-507	Y	50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-106	Y	51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A. Effective January 1, 2016

24 HOUR CONTACT PERSON
DEKALB COUNTY DISPATCH
(770) 270-6243

MIRSADA ILIC
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER 0000000114
ISSUED 06/03/2008
EXPIRATION DATE 08/15/2017



PROJECT:
WESTFIELD SUBDIVISION WATER SYSTEM UPGRADE

DEKALB COUNTY

DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GEORGIA 30083

AMEC PROJECT No:
6149-11-0234

REVISIONS			
NO.	DATE	BY	CHECKED
1	4/5/16	H.SOZA	M. ILIC

DESIGNED BY: A. RAVAT
DRAWN BY: C. BUDSOCK
CHECKED BY: J. STUDER
IN CHARGE: M. ILIC
DATE: 10 APR 2013

SHEET TITLE:
EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS
2 OF 2

SHEET NUMBER: C-508
REV. # 0
SHEET 16 OF 18 SHEETS

