

# HICKORY OAK STORMWATER IMPROVEMENTS PHASE 2

HICKORY OAK HOLLOW ROAD

CITY OF CUMMING

FORSYTH COUNTY, GEORGIA

Tax Map PARCELS C03 004

Zoned: R1

PROJECT NUMBER 830-2

Owner, Developer, 24-Hour Contact:

**CITY OF CUMMING**

**JON HEARD**

**100 MAIN STREET**

**CUMMING, GEORGIA 30041**

**WWW.CUMMINGUTILITIES.COM**

**770-781-2020**

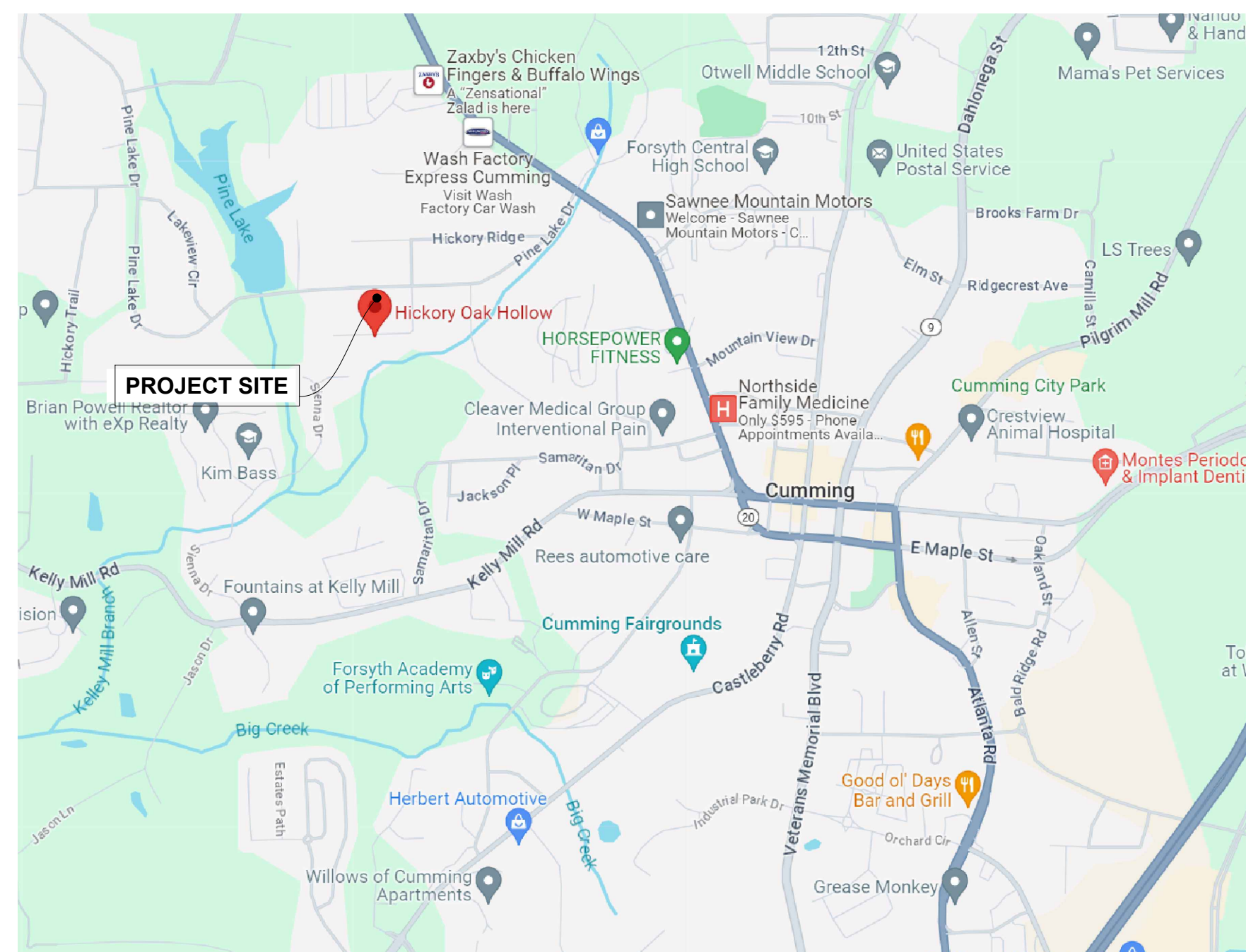
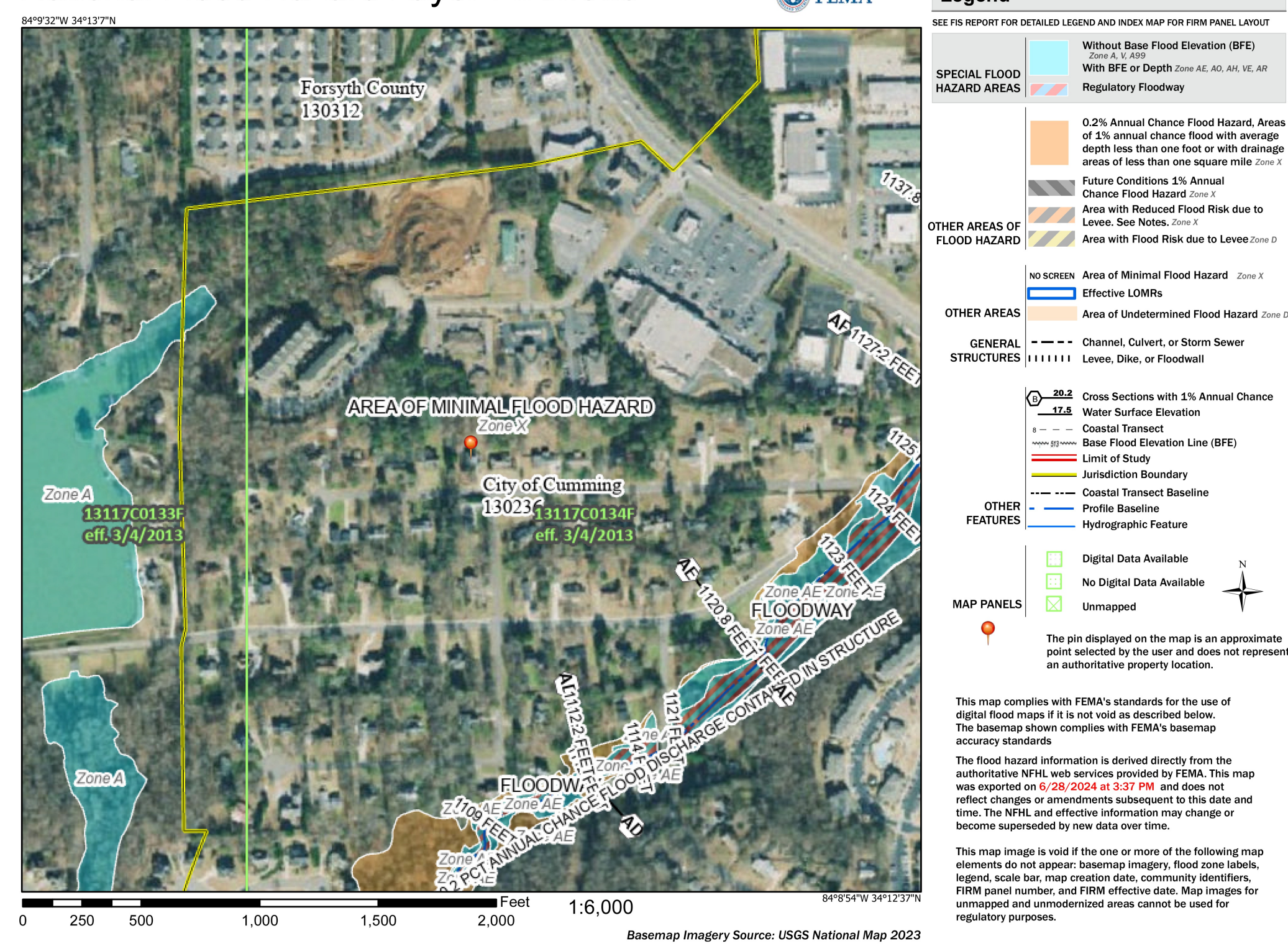
**JON.HEARD@CITYOFCUMMING.NET**

CONSTRUCTION ACTIVITY	CONSTRUCTION SCHEDULE					
	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES						
INSTALLATION OF SITE IMPROVEMENTS						
MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES FOR ENTIRE PROJECT						
FINAL GRASSING						

Sheet List Table	
Sheet Number	Sheet Title
C-1	COVER SHEET
C-2	SITE AND EROSION CONTROL PLAN
C-3	STORM PLAN AND PROFILES
C-4	MISC DETAILS

- ALL IMPROVEMENTS TO CONFORM WITH FORSYTH COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION.
- NO STRUCTURES, FENCES OR OTHER OBSTRUCTIONS MAY BE LOCATED WITHIN A DRAINAGE OR ACCESS EASEMENT WITHOUT PRIOR APPROVAL BY THE FORSYTH COUNTY DEPARTMENT OF ENGINEERING.
- APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY FORSYTH COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR THE APPROVAL OF ANY WETLAND AREA DISTURBANCE.
- THIS PROPERTY IS NOT WITHIN A FLOOD ZONE. SEE ATTACHED FIRM PANEL.
- NOTIFY FORSYTH COUNTY INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION (770)781-2165.
- APPROVAL OF THESE PLANS BY FORSYTH COUNTY IS SUBJECT TO, AND CONTINGENT UPON THE APPLICANT OBTAINING ANY AND ALL NECESSARY APPROVALS FROM ANY AND ALL APPLICABLE AGENCIES INCLUDING, BUT NOT LIMITED TO THE UNITED STATES ARMY CORPS OF ENGINEERS, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, THE USDA-NRCS, GEORGIA DEPARTMENT OF NATURAL RESOURCES, GEORGIA ENVIRONMENTAL PROTECTION DIVISION, AND THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION.
- MAXIMUM CUT SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL. CONTINUOUS FILL SLOPES TEN (10) FEET IN HEIGHT OR LESS MAY BE 2 HORIZONTAL TO 1 VERTICAL. ALL CONTINUOUS FILL SLOPES THAT EXCEED TEN (10) FEET IN HEIGHT MUST BE 3 HORIZONTAL TO 1 VERTICAL UNLESS: (A) A MECHANICALLY ENGINEERED STABILIZED SLOPE IS APPROVED BY THE FORSYTH COUNTY DIRECTOR OF ENGINEERING; OR (B) THE DESIGNED AND CONSTRUCTED SLOPES ARE CERTIFIED BY A REGISTERED ENGINEER EXPERIENCED IN GEOTECHNICAL ENGINEERING AND LICENSED IN THE STATE OF GEORGIA.
- ALL UNDISTURBED BUFFERS SHALL BE IDENTIFIED WITH ORANGE, FOUR-FOOT TREE-SAVE FENCING PRIOR TO ANY LAND DISTURBANCE (UDC SEC. 18-10.0)
- .

## National Flood Hazard Layer FIRMette



**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

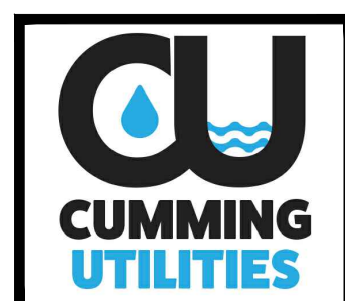
**DOUGLAS R. SHERRILL**  
Level II Certified Design Professional

CERTIFICATION NUMBER #161

ISSUED March 20, 2004 EXPIRES June 1, 2027

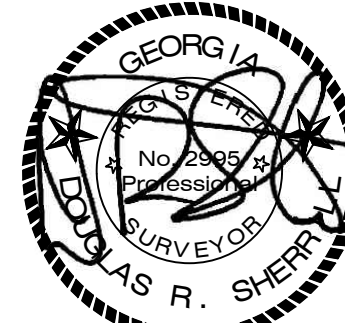
LAND SURVEYING AND PLANNING  
GA #2895 • NC #4897 •  
Dawsonville, GA 30634  
Office: 706.300.7178  
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doug@ldpofga.com

**LDP**  
LAND DEVELOPMENT PROFESSIONALS



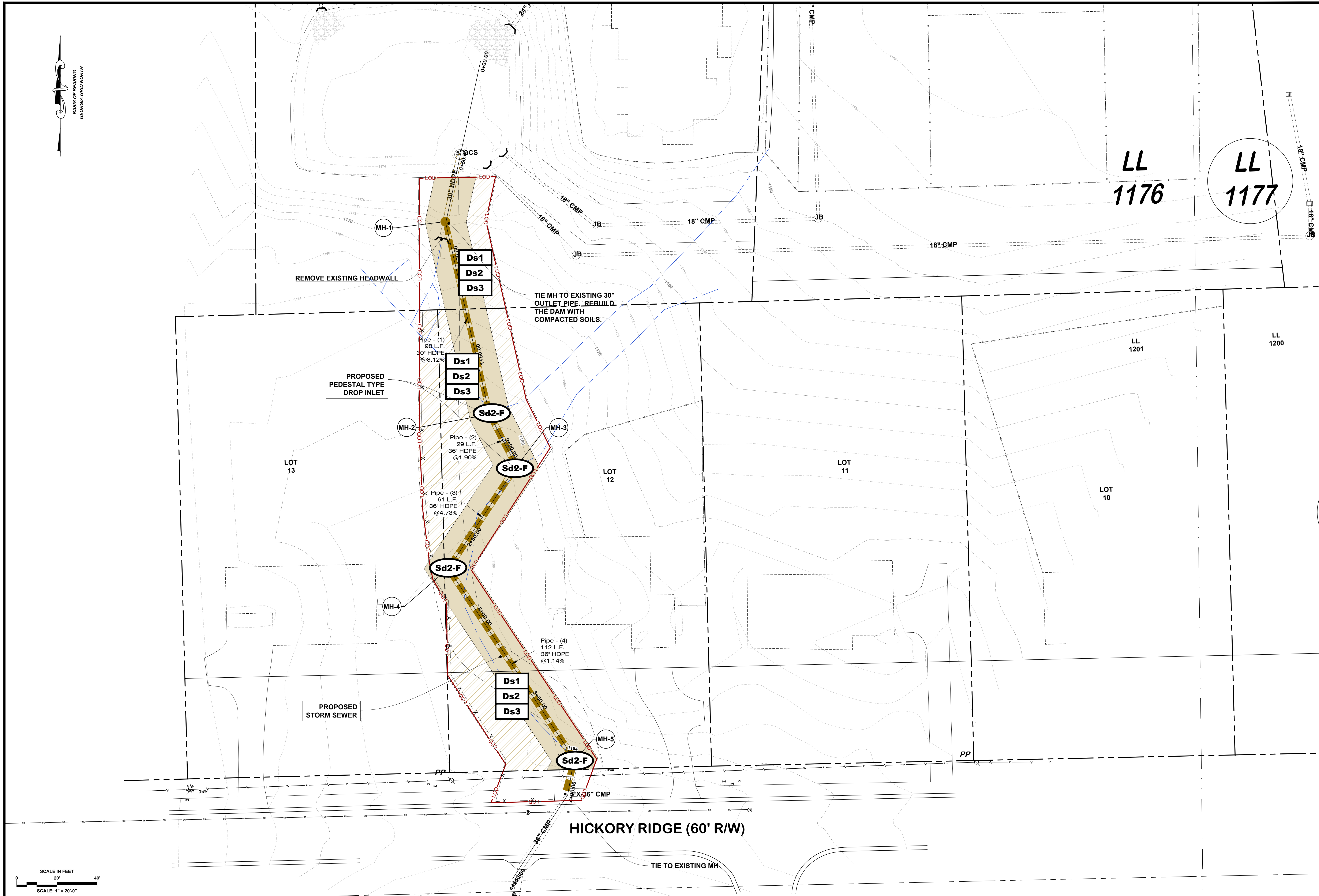
MARCH 26, 2024  
FIELD CREW: LDP  
DRAWN BY: DRS  
Job Number:  
5151.001  
DRWG FILE: 5151

Revision No.	Date	Description



CITY OF CUMMING  
**SITE PLAN**  
Located in Parcel - 1st Section  
Forsyth County, Georgia

Sheet No.  
**C-1**



REMOVE EXISTING HEADWALL

PROPOSED PEDESTAL TYPE DROP INLET

PROPOSED STORM SEWER

TIE MH TO EXISTING 30\"/>

HICKORY RIDGE (60' R/W)

TIE TO EXISTING MH

LL 1176

LL 1177

LL 1201

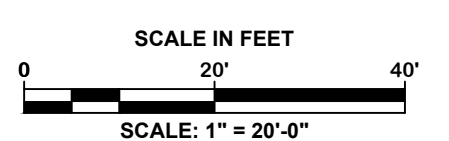
LL 1200

LOT 13

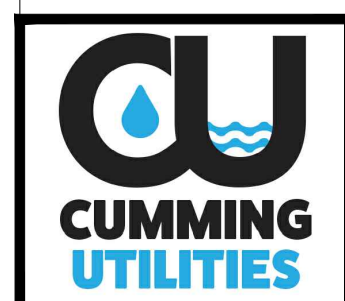
LOT 12

LOT 11

LOT 10

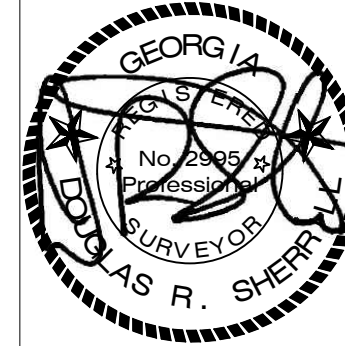


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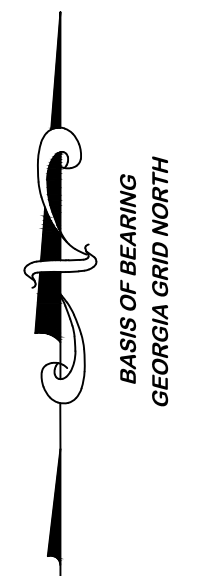
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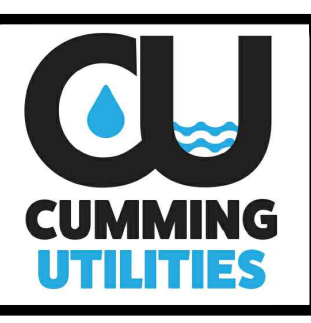
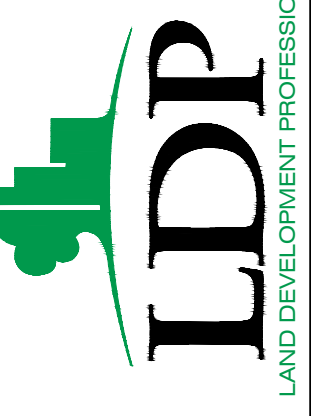


CITY OF CUMMING  
**SITE AND EROSION CONTROL PLAN**  
 Located in Section - 1st Section  
 Land Lot 833 & 834, Farleigh County, Georgia

Sheet No.  
**C-2**

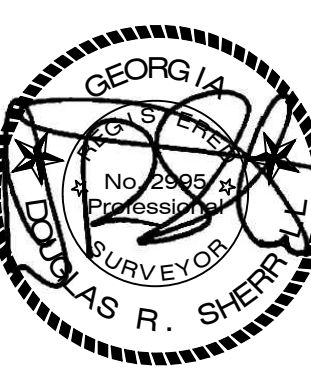


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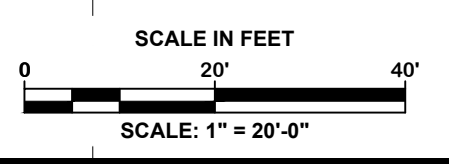
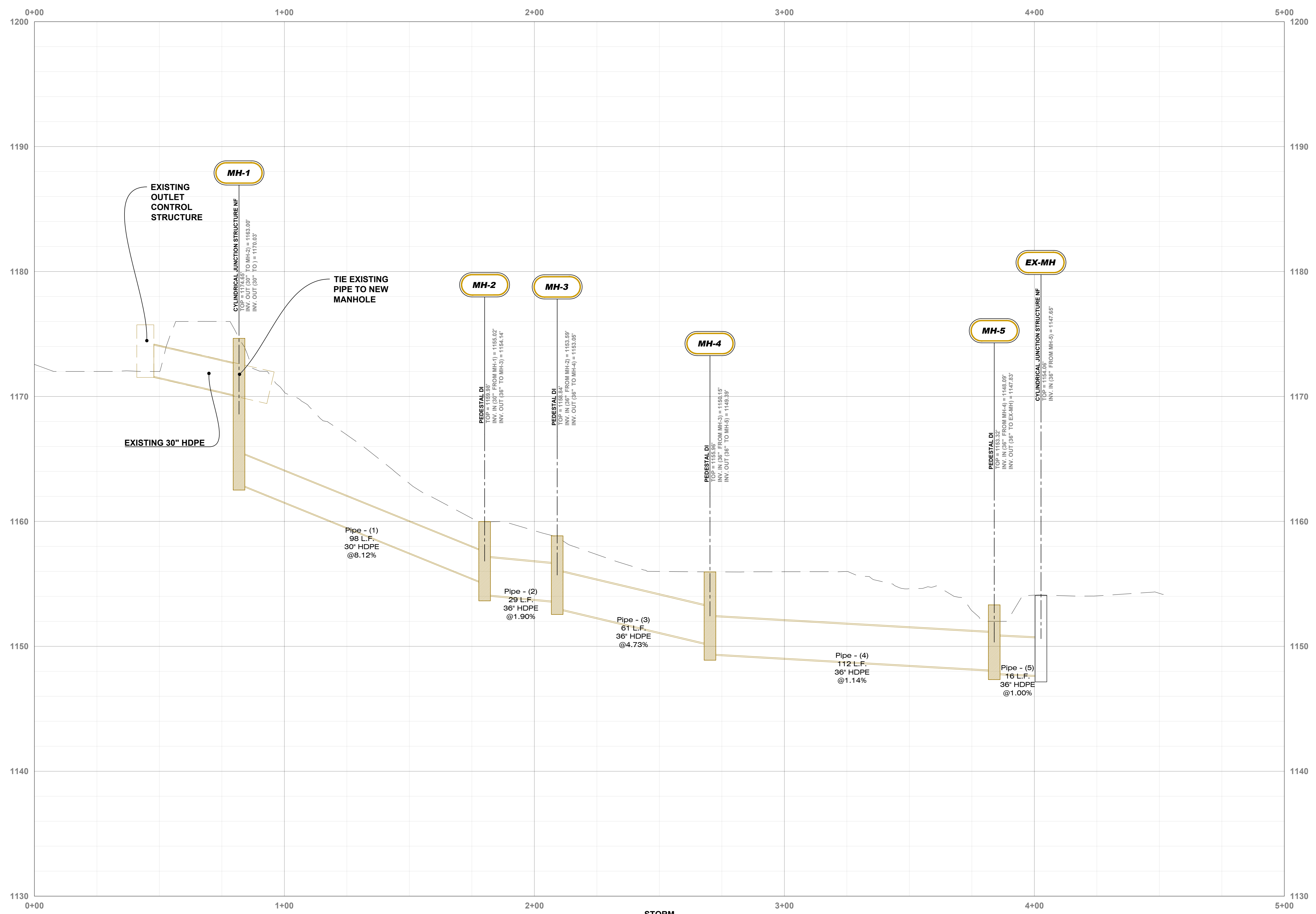
JULY 24, 2024  
 FIELD CREW: LDP  
 DRAWN BY: DRS  
 Job Number:  
 5151.001  
 DRWG FILE: 5151

Revision No.	Date	Description

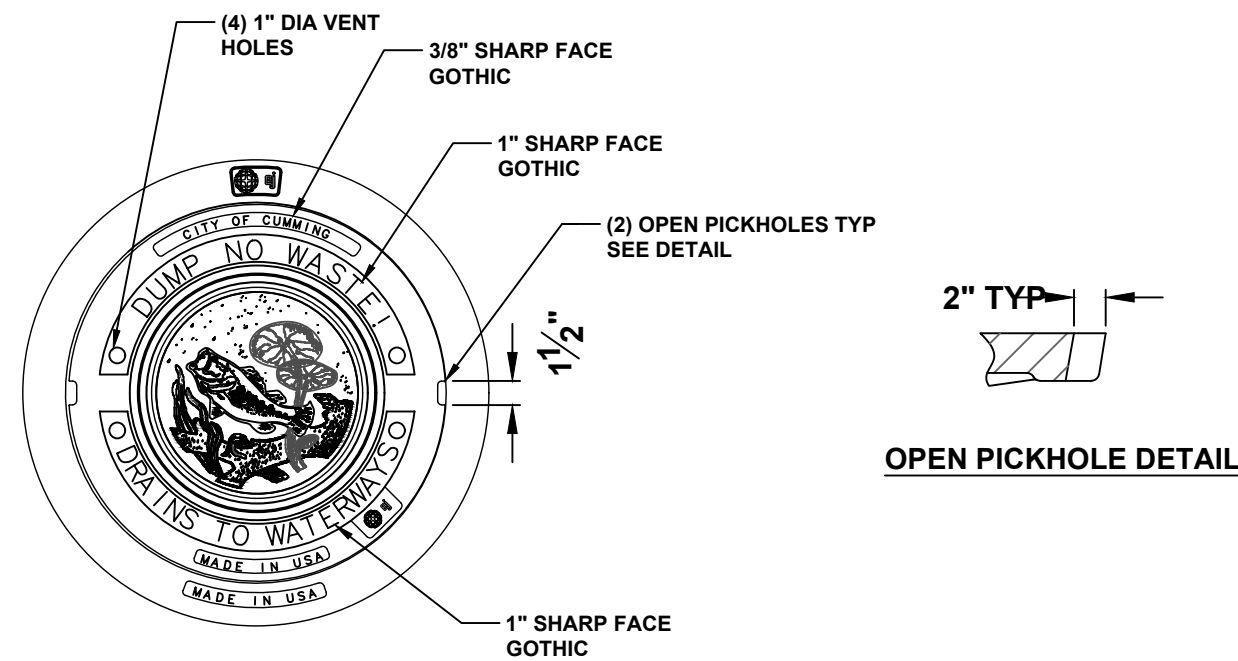


CITY OF CUMMINGS  
**STORM SEWER PROFILES**  
 Located In  
 Parcel 833 & Parcel 114 Section  
 Forsyth County, Georgia

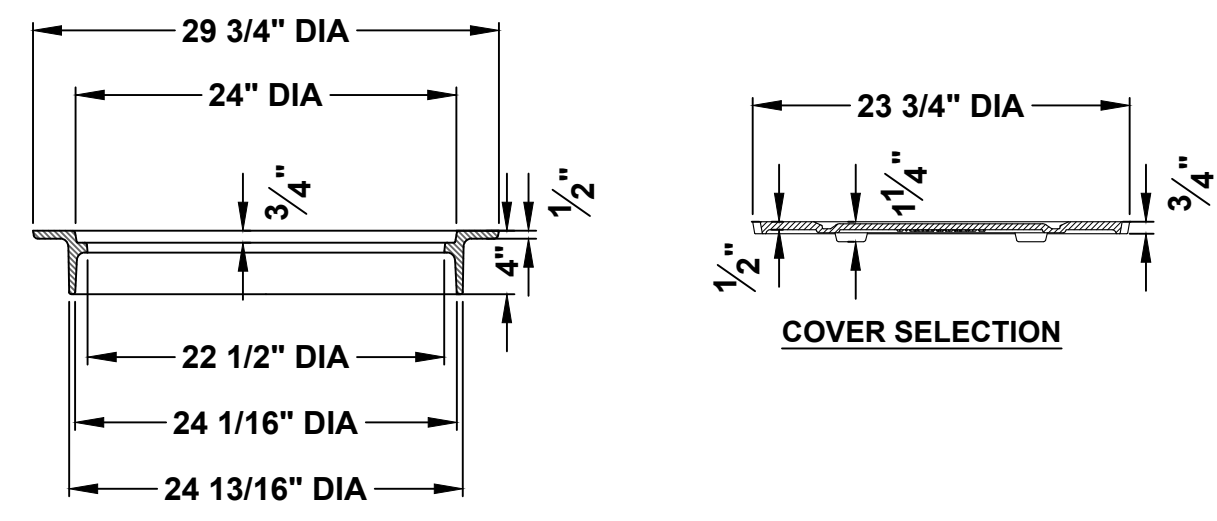
Sheet No.  
**C-3**



STORM  
 STAT 0+00 - 5+00  
 SCALE: VERT 1"=4'



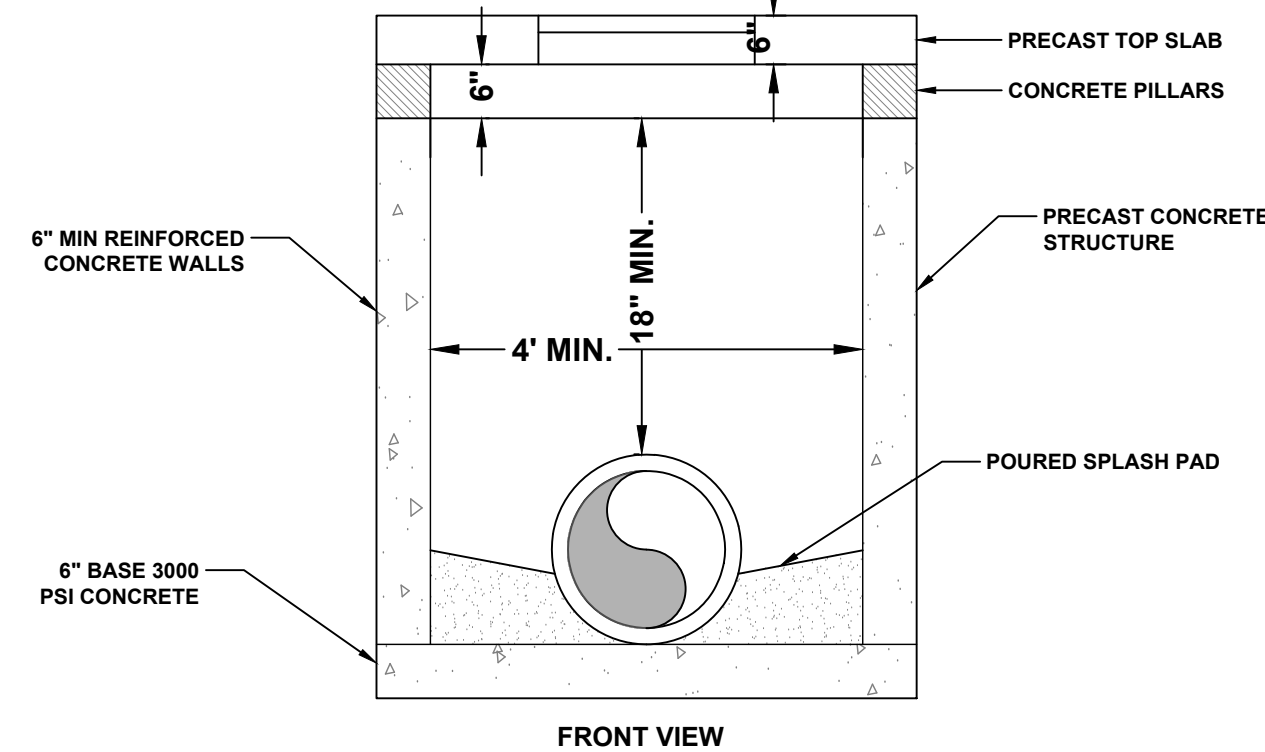
PLAN VIEW



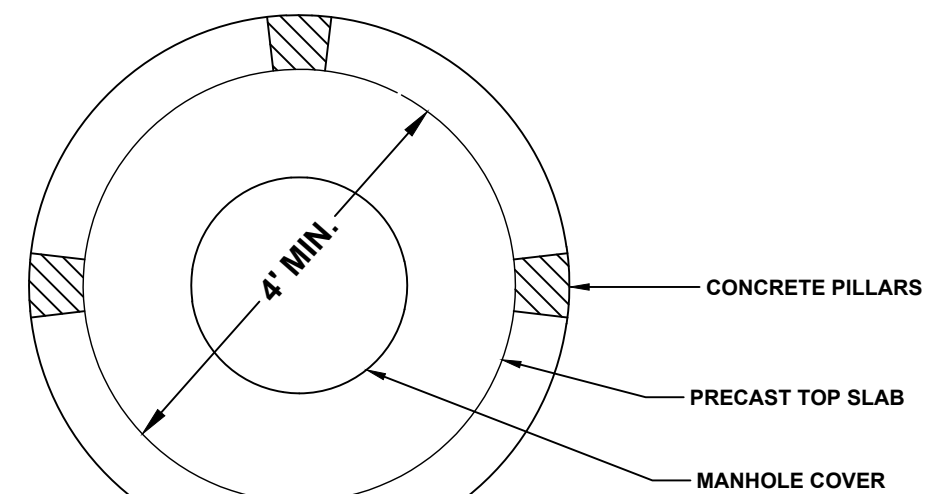
FRAME SECTION

OPEN PICKHOLE DETAIL

COVER SELECTION



FRONT VIEW

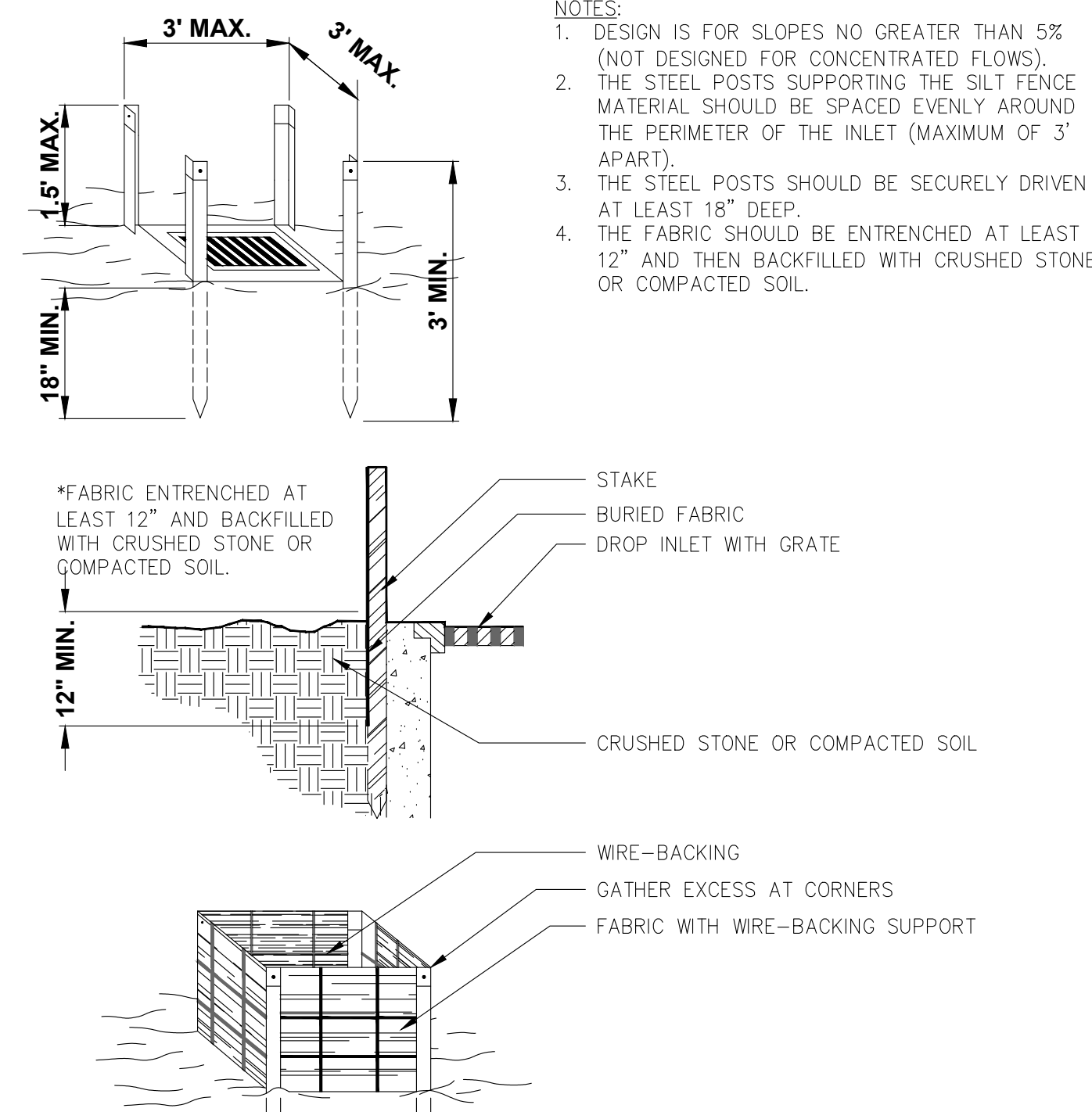


TOP VIEW

**Sd2-F**

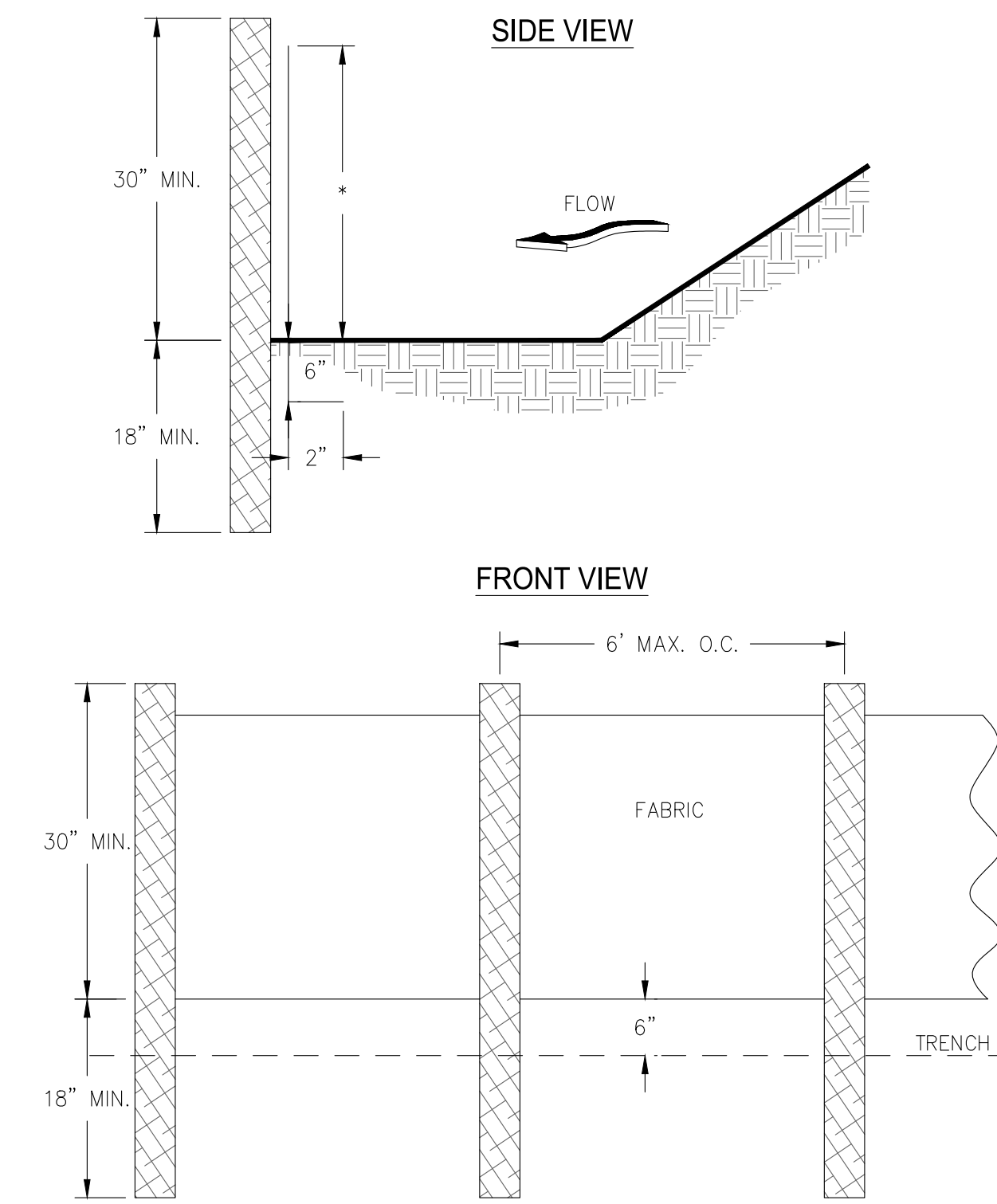
**FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION**

**STEEL FRAME AND SILT FENCE INSTALLATION**

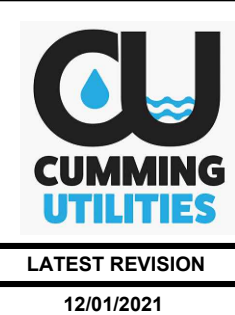


- NOTES:
- DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
  - THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
  - THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
  - THE FABRIC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

**SILT FENCE - TYPE NON-SENSITIVE**



- NOTES:
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
  - HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

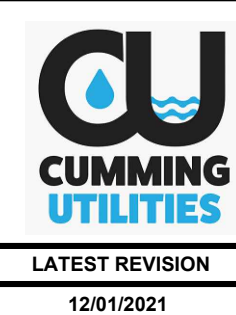


**CITY OF CUMMING**  
DEPARTMENT OF UTILITIES  
**JUNCTION BOX LID AND COVER**

DETAIL NUMBER:  
**SW-1**

LATEST REVISION  
12/01/2021

SCALE: NOT TO SCALE



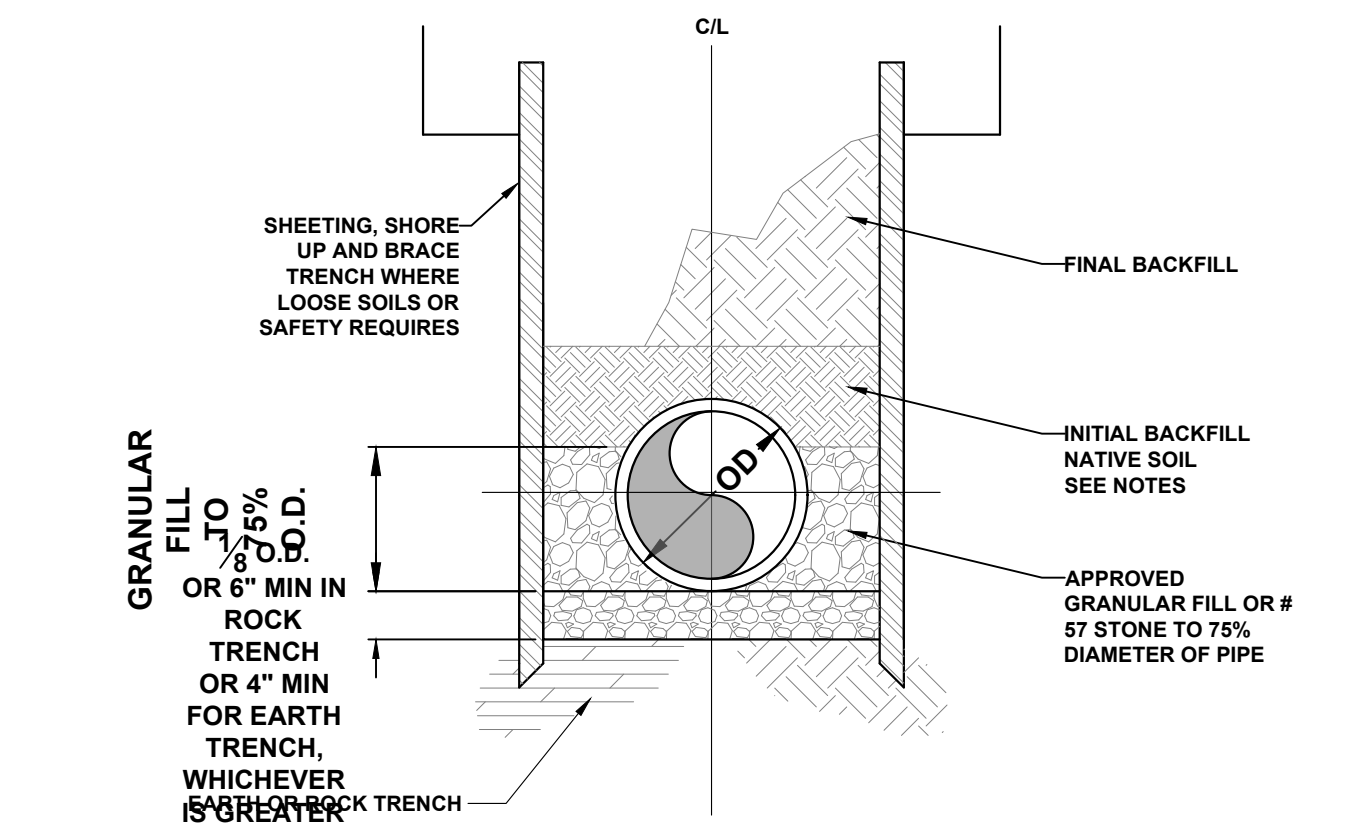
**CITY OF CUMMING**  
DEPARTMENT OF UTILITIES  
**WEIR INLET DETAILS (PEDESTAL INLET)**

DETAIL NUMBER:  
**SW-12**

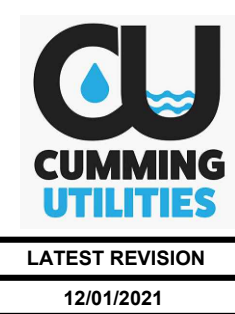
LATEST REVISION  
12/01/2021

SCALE: NOT TO SCALE

PIPE SIZE (NOMINAL)	A		B				C	D			
	SIDE CLEARANCE - INCH		DITCH WIDTH - INCH				SHORING WIDTH (ADDITIONAL - INCH)	CUT REPAIR WIDTH - FEET			
	SOIL	ROCK	SOIL	ROCK	SOIL	ROCK	SOIL	ROCK	SOIL	ROCK	
3/4"-2"	2	6	NA	8	NA	14	AS APPROVED	NA	3.00	NA	3.17
4"	9	12	25	23	27	25	AS APPROVED	4.08	3.92	4.25	4.08
6"	9	12	28	28	30	30	AS APPROVED	4.33	4.33	4.50	4.50
8"	9	12	32	30	34	32	AS APPROVED	4.67	4.50	4.83	4.67
10"	9	12	34	32	36	34	AS APPROVED	4.83	4.67	5.00	4.83
12"	9	12	36	34	38	36	AS APPROVED	5.00	4.83	5.17	5.00
14"	9	14	39	36	41	38	AS APPROVED	5.25	5.00	5.42	5.17
16"	9	14	42	38	44	40	AS APPROVED	5.50	5.17	5.67	5.33
20"	9	14	45	44	47	46	AS APPROVED	5.75	5.67	5.92	5.83
24"	9	14	50	48	52	50	AS APPROVED	6.17	6.00	6.33	6.17
30"	9	18	58	54	60	56	AS APPROVED	6.83	6.50	7.00	6.67
36"	9	18	64	61	66	63	AS APPROVED	7.33	7.08	7.50	7.25
42"	9	18	72	64	74	66	AS APPROVED	8.00	7.33	8.17	7.50
48"	9	18	78	73	80	75	AS APPROVED	8.50	8.08	9.34	8.25



- NOTES:
- TRENCH WIDTH MINIMUMS PER DETAIL S-16B.
  - BACKFILL SHALL BE PLACED IN MAXIMUM 4-6 INCH LIFTS, TAMPED OR COMPACTED IN ACCORDANCE WITH AWWA C600 (CURRENT EDITION).
  - NATIVE OR LOOSE SOILS ARE THOSE EXCAVATED FROM THE TRENCH, FREE OF LARGE ROCKS (GREATER THAN 2 INCHES), FOREIGN MATERIALS, AND FROZEN EARTH.
  - GRANULAR OR SELECT FILL MATERIAL SHALL BE COMPACTED TO 90% STANDARD PROCTOR PER AASHTO T-99.
  - AT SHALLOW DEPTHS OF LESS THAN 3FT COVER, INITIAL BACK TO BE COMPACTED AT A MINIMUM OF 95% PROCTOR DENSITY.
  - WHERE TRENCH IS EXPOSED ROCK, 6-9 INCHES MIN. CUSHION REQUIRED BETWEEN PIPE & ROCK.
  - FINAL BACKFILL SHALL BE FREE OF LARGE ROCKS, ORGANIC MATERIAL, AND DEBRIS.

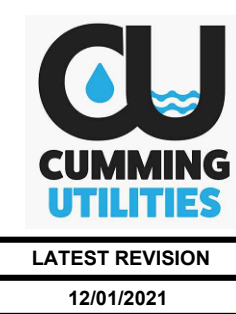


**CITY OF CUMMING**  
DEPARTMENT OF UTILITIES  
**STANDARD EMABANKMENT BEDDING DETAIL FOR HDPE STORMWATER PIPE**

DETAIL NUMBER:  
**SW-17B**

LATEST REVISION  
12/01/2021

SCALE: NOT TO SCALE



**CITY OF CUMMING**  
DEPARTMENT OF UTILITIES  
**ALLOWABLE TRENCH WIDTH CHART**

DETAIL NUMBER:  
**SW-17C**

LATEST REVISION  
12/01/2021

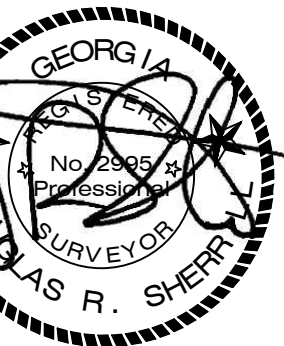
SCALE: NOT TO SCALE



MARCH 26, 2024  
FIELD CREW: LDP  
DRAWN BY: DRS  
Job Number:  
5151.001  
DRWG FILE: 5151

Description:

Revision No. Date:



MISCELLANEOUS DETAILS

CITY OF CUMMING  
Located In  
Forsyth County, Georgia  
Land Lot: 833 & 1st Section

Sheet No.

**C-4**