

BLUE RIBBON - DRY CLEANING FACILITY (0.57 ac)

9/16/16
REV 12/20/16

2402 16TH AVENUE, LEWISTON ID 83501

CONTACT INFORMATION

PROJECT ADDRESS:	2232 16TH AVENUE LEWISTON IDAHO 83501
OWNER:	BLUE RIBBON CONTACT: GARY STACKOFSKY 2322 16TH AVENUE LEWISTON, ID 83501 PHONE: (208) 790-3706 WORK: (208) 743-5521
CIVIL ENGINEER: INSPECTOR:	C. RYAN FISKE, P.E. ANACLIN ENGINEERING 4045 EAGLE CT. LEWISTON, ID 83501 PHONE: (208) 791-8055 email: anacline@aol.com

STANDARDS

- 1) IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (LATEST ED.)
- 2) NATIONAL ELECTRIC COUNCIL & LOCAL ELECTRIC CODES
- 3) AMERICAN WATER WORKS ASSOCIATION STANDARDS
- 4) IDAPA 58 & 10 STATE STANDARDS
- 5) CITY, COUNTY & STATE CODES
- 6) INTERNATIONAL BUILDING CODE 2003
- 7) INTERNATIONAL FIRE CODE 2003
- 8) CITY OF LEWISTON STANDARD DRAWINGS & SPECIFICATIONS
- 9) AMERICANS WITH DISABILITIES ACT
- 10) CITY INSPECTION CHECKLIST

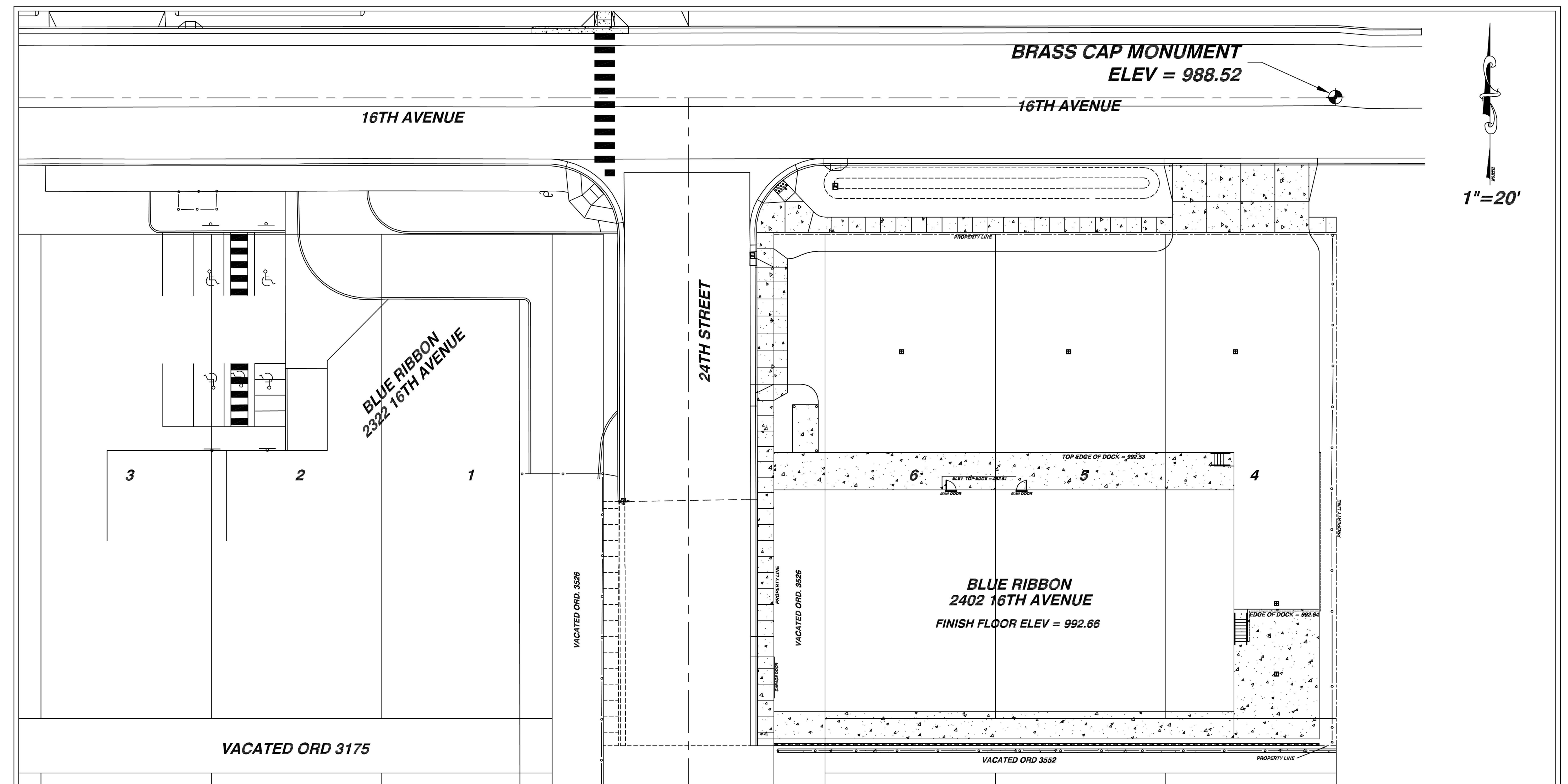
UTILITY CONTACTS

UTILITY	ENTITY	CONTACT	PHONE
ROAD	CITY	KEITH BINGMAN	208.791.2623
WATER	CITY	BRYAN LACY	208.743.7461
SEWER	CITY	BRYAN LACY	208.743.1316
PHONE	CENTURY LINK	JULIO MENDEZ	208.798.8380
POWER	AVISTA	COLBY WITERS	509.780.1475
CABLE	CABLE 1	TOM DONOHUE	208.746.3325

SHEET INDEX

- SHEET 1 - COVER
- SHEET 2 - TRAFFIC CONTROL PLAN
NOTES, QUANTITIES, LEGEND
- SHEET 3 - DEMOLITION PLAN
- SHEET 4 - EROSION CONTROL PLAN
- SHEET 5 - GRADING PLAN
- SHEET 6 - 24TH STREET PROFILE & SECTION
- SHEET 7 - UTILITY PLAN
- SHEET 8 - 16TH AVENUE SEWER
- SHEET 9 - CIVIL PLAN
- SHEET 10 - CIVIL DETAILS
- SHEET 11 - CITY DETAILS
- SHEET 12 - CITY DETAILS
- SHEET 13 - CITY DETAILS
- SHEET 14 - CITY INSPECTION CHECKLIST

SITE PLAN

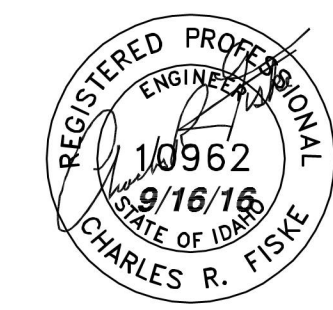


CONTRACTOR SHALL CALL 1-800-342-1585 & HAVE ALL UNDERGROUND UTILITIES LOCATED AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY CONSTRUCTION.

NOTE: THE ENGINEER OF RECORD IS REQUIRED TO INSPECT THE INFRASTRUCTURE CONSTRUCTION TO INSURE CONFORMANCE TO PLAN REQUIREMENTS. THE CONTRACTOR WILL PROVIDE THE ENGINEER EVERY FRIDAY, A SCHEDULE OF THE WORK TO BE PERFORMED THE FOLLOWING WEEK. THE CONTRACTOR SHALL PROVIDE ACCURATE REDLINE DRAWINGS FOR THE ENGINEER TO PROVIDE "AS-BUILT" PLANS AFTER THE CONSTRUCTION IS COMPLETE.

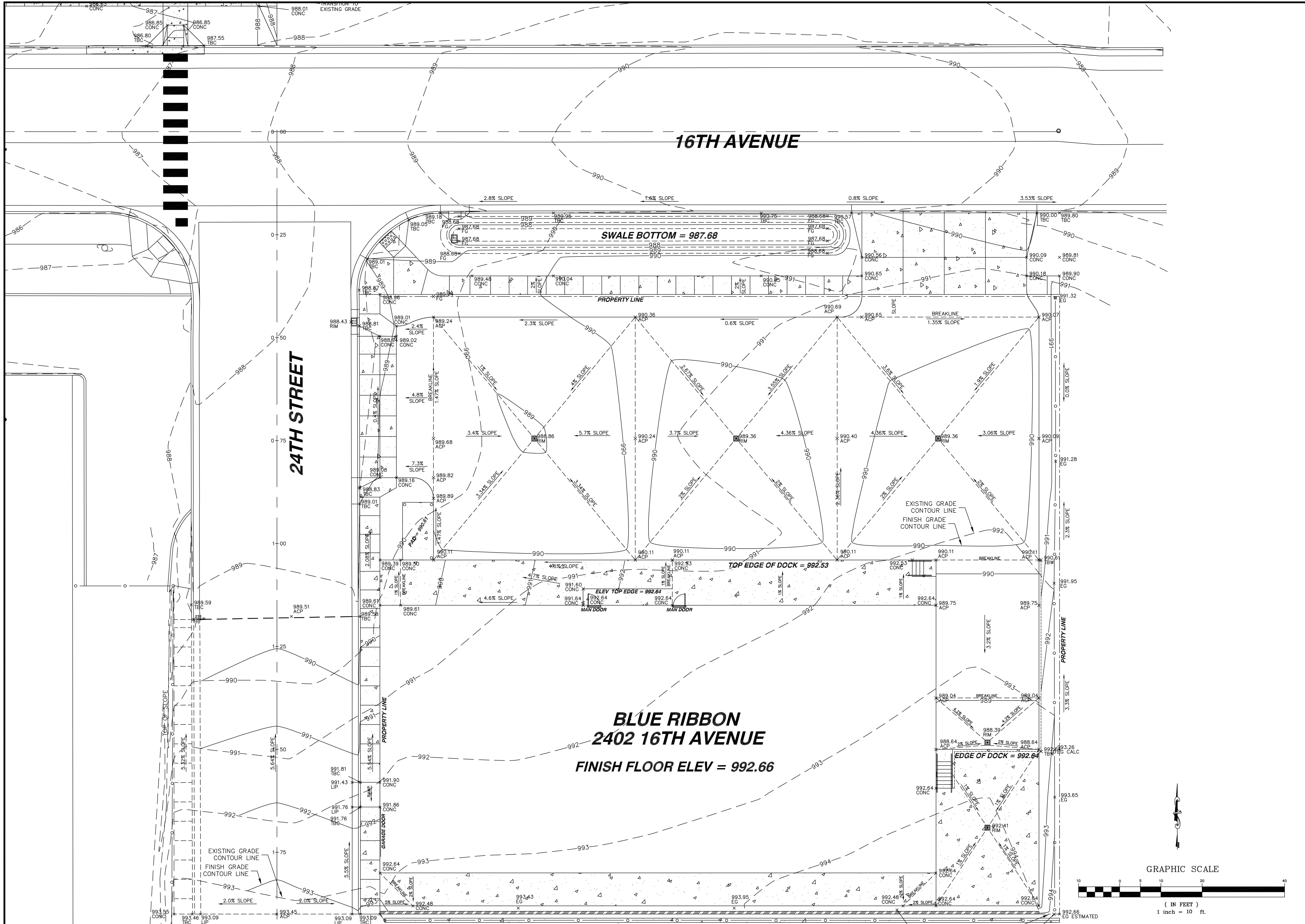
NOTIFICATION SIGN: A SIGN SHALL BE ERECTED UPON APPROVAL OF THE BUILDING PERMIT FOR THE PROJECT. AT A MINIMUM THE SIGN SHALL HAVE THE FOLLOWING:

- 1) THE SIGN SHALL BE AT LEAST 15 FEET SQUARE IN SIZE.
- 2) THE SIGN SHALL HAVE A DESCRIPTION OF THE APPROVED PROJECT.
- 3) THE SIGN SHALL CONTAIN THE PHONE NUMBER FOR THE PUBLIC TO OBTAIN ADDITIONAL INFORMATION.

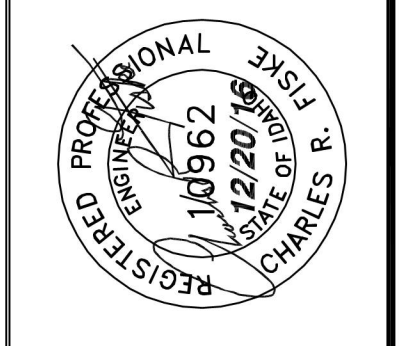


4025 EAGLE COURT
LEWISTON, IDAHO 83501
FAX (208) 750-1082
(208) 791-8055

ANACLIN
ENGINEERING & DRAFTING
"an affordable alternative"



NO.	DATE	BY	FILENAME	REVISIONS
0				ORIGINAL DRAWING

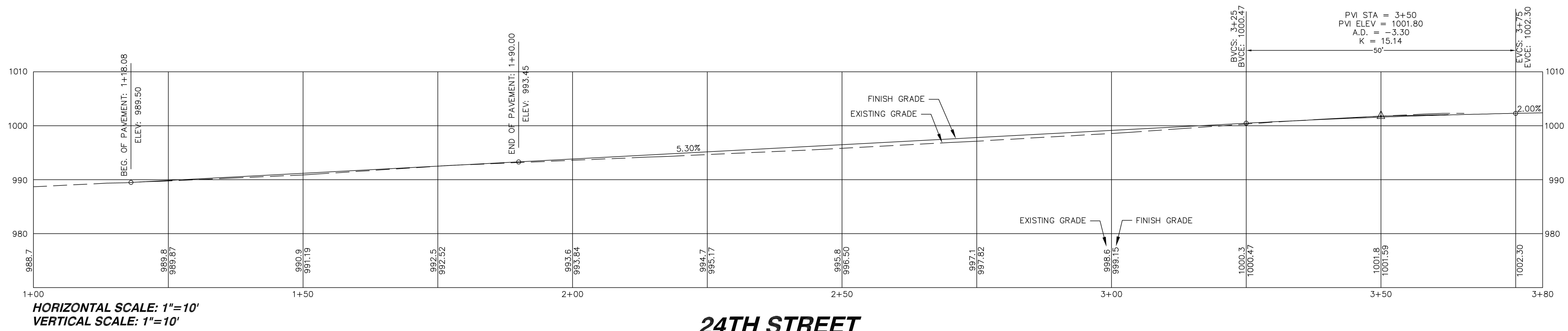
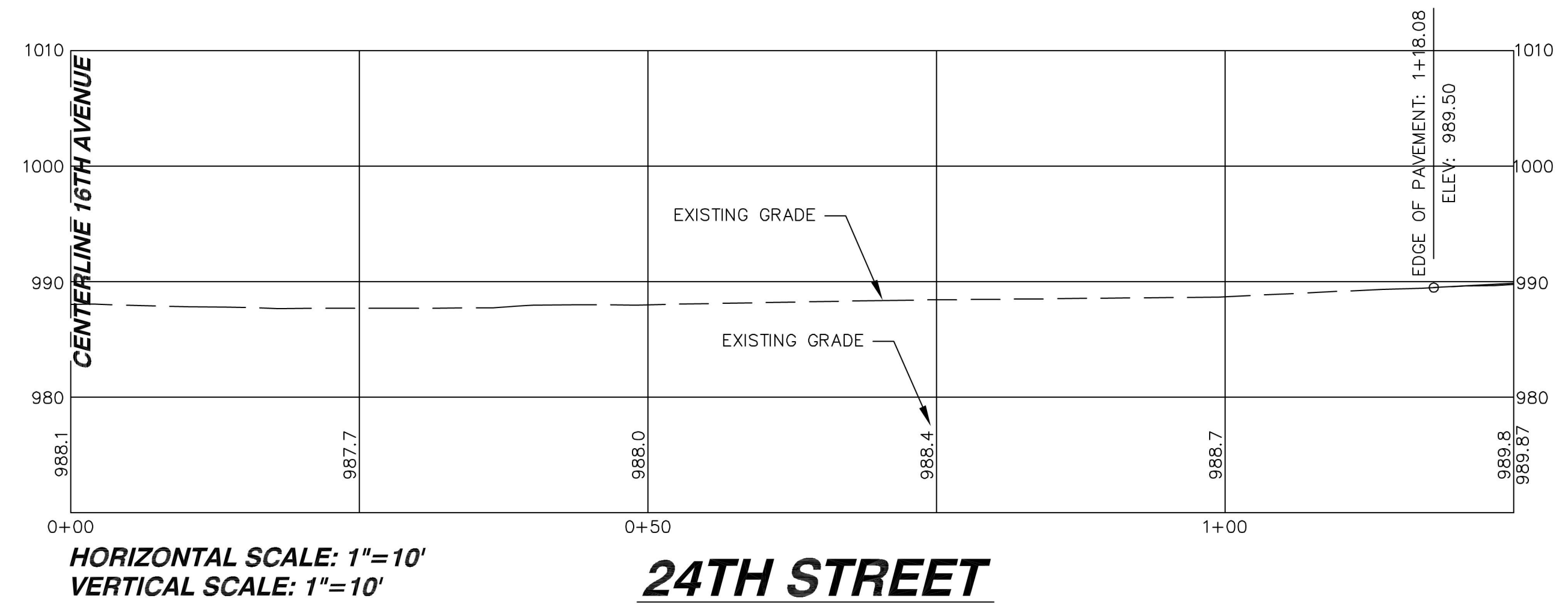


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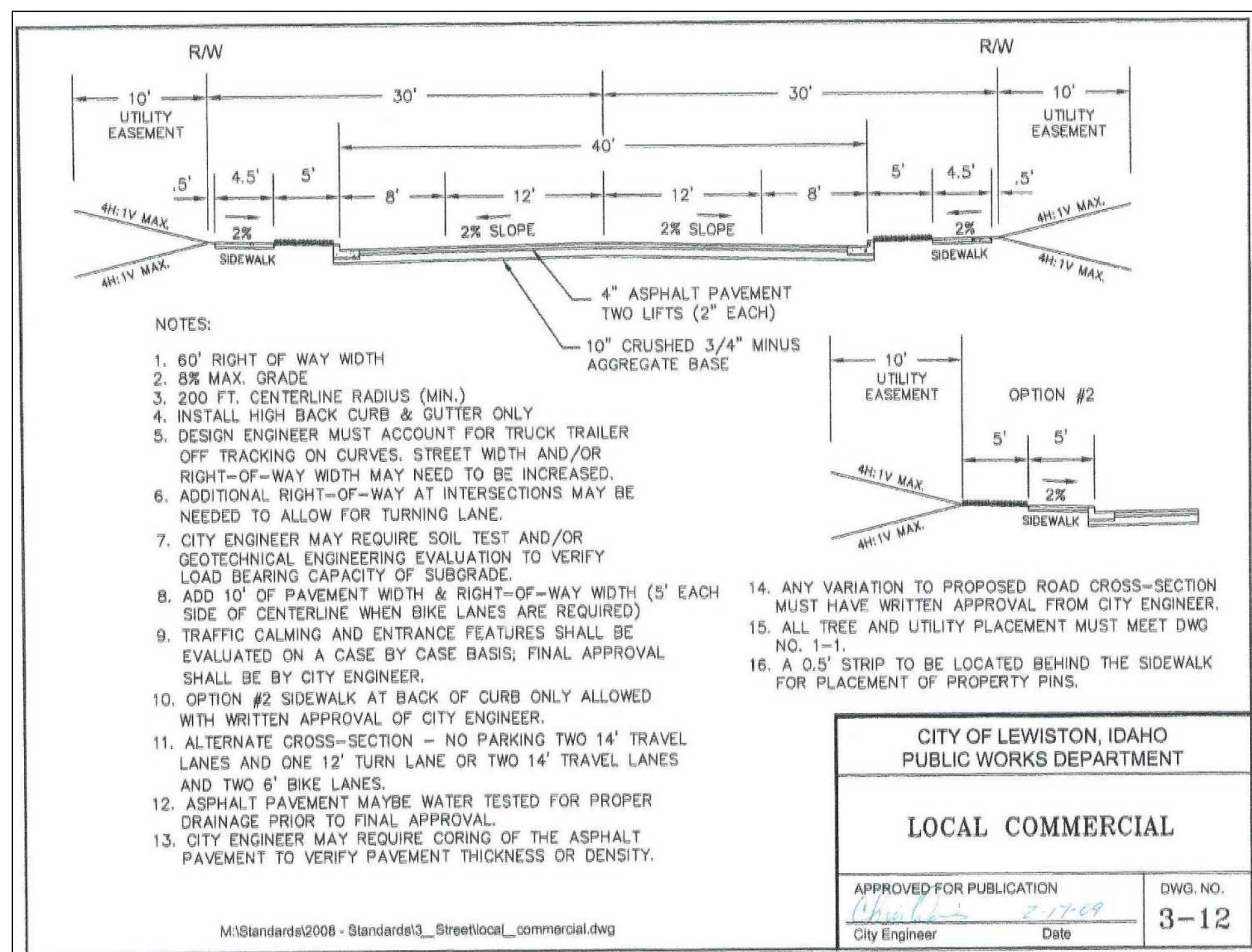
BLUE RIBBON LINEN
DRY CLEANING BUILDING
GRADING PLAN

DRAWN BY: CRF	CHECKED BY: CRF
DESIGNED BY: CRF	
SCALE: 1" = 10'	
DATE: 12/20/16	
PROJECT NO.: 00486	
SHEET 5	OF 14



24TH STREET

HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=10'

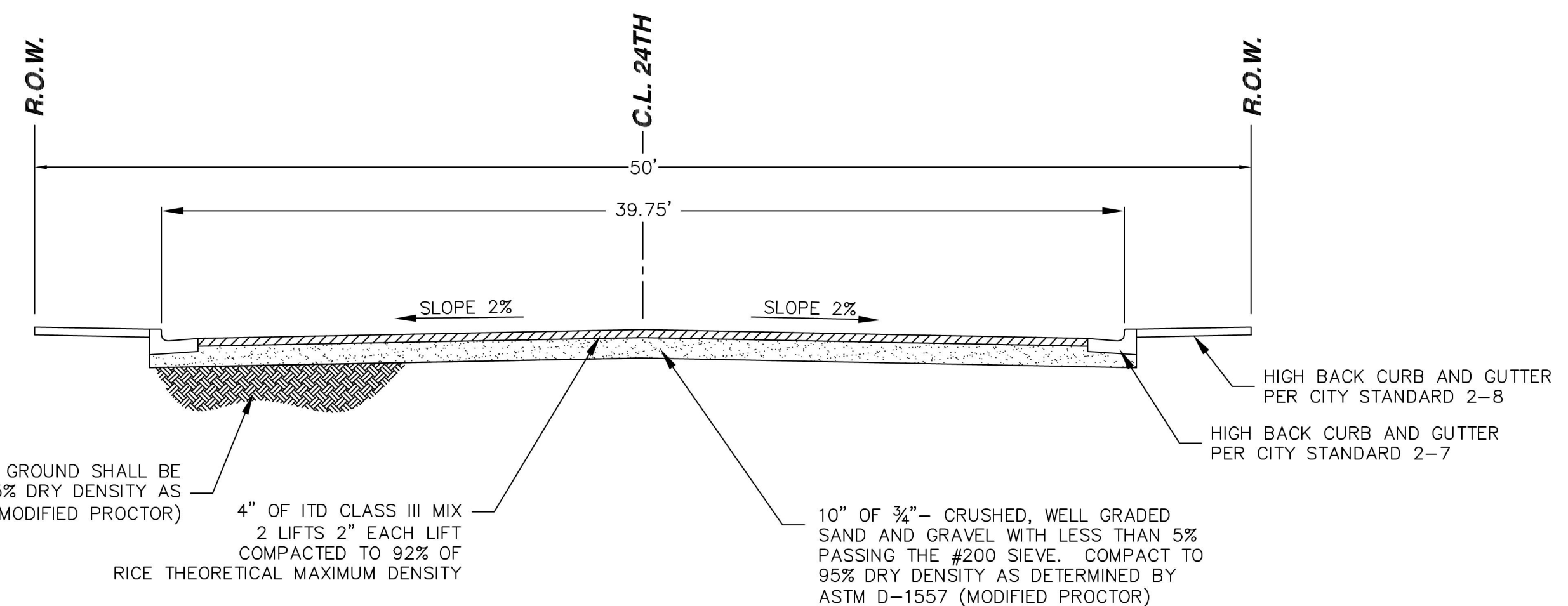


CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

LOCAL COMMERCIAL

APPROVED FOR PUBLICATION: *Charles* 2-17-16
City Engineer Date

DWG. NO. 3-12



24TH STREET SECTION VIEW

MODIFIED LOCAL COMMERCIAL DWG NO. 3-12

NOT TO SCALE

NO.	DATE	BY	FILENAME	REVISIONS
0				

REGISTERED PROFESSIONAL ENGINEER
10962
12/20/16
CHARLES R.

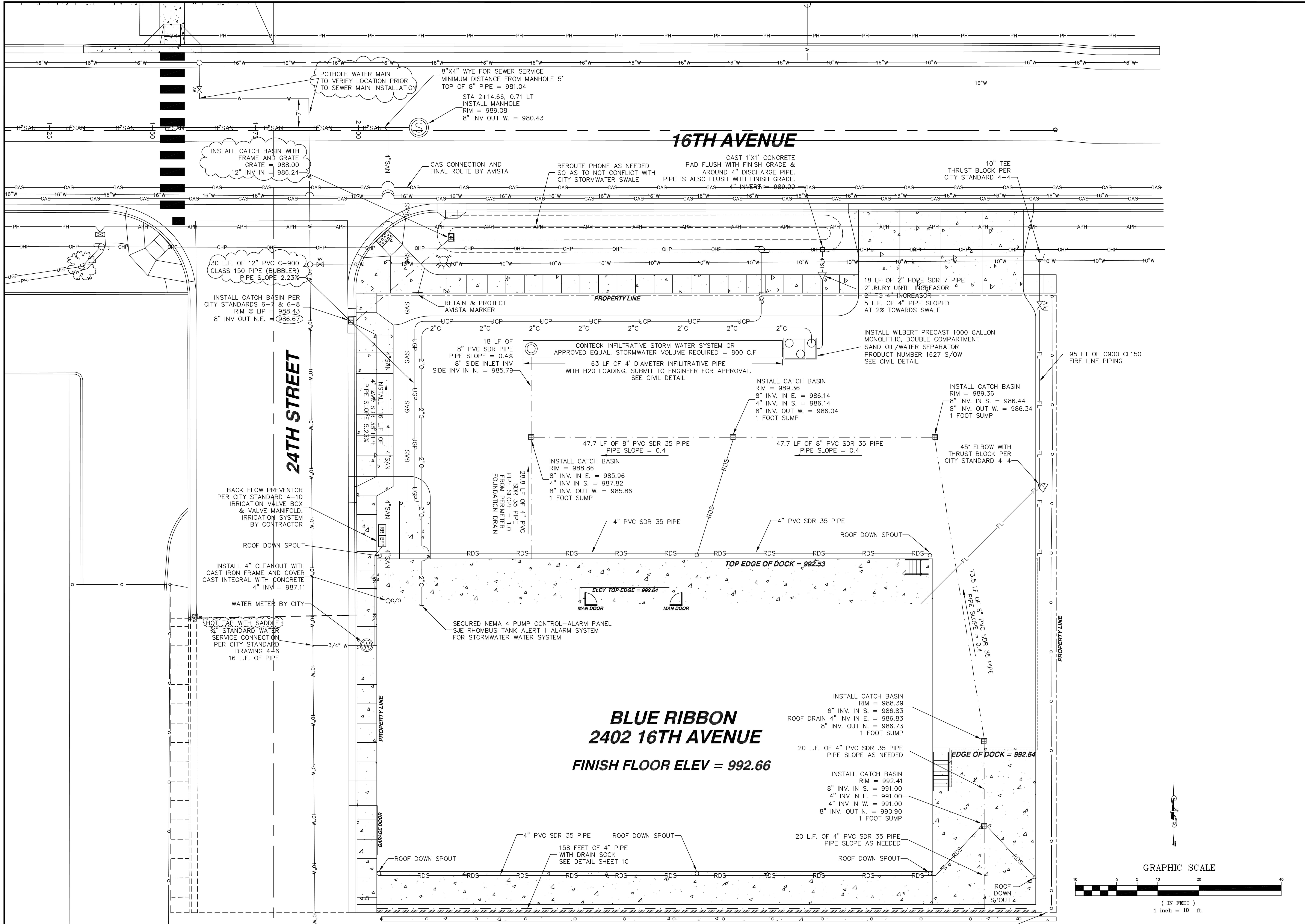
4025 EAGLE COURT
LEWISTON, IDAHO 83501
FAX (208) 756-1082
(208) 791-8605

MACLINE
ENGINEERING & DRAFTING
"an affordable alternative"

BLUE RIBBON LINEN
DRY CLEANING BUILDING
24TH STREET PROFILE
MODIFIED SECTION 3-12

DRAWN BY: CRF
DESIGNED BY: CRF
CHECKED BY: CRF

SCALE: 1" = 10'
DATE: 12/20/16
PROJECT NO.: 00486
SHEET 6 OF 14



**BLUE RIBBON
2402 16TH AVENUE
FINISH FLOOR ELEV = 992.66**

NO.	DATE	BY	FILENAME	REVISIONS
1	10/20/16	CRF		WATER MAIN TO BE POTHOLED TO VERIFY LOCATION PRIOR TO SEWER MAIN CONSTRUCTION
2	10/20/16	CRF		WATER SERVICE TO BE HOT TAPPED WITH SADDLE
3	10/20/16	CRF		30FT SECTION OF STORM PIPE AND GRATE UPSIZED FROM 8" TO 12"
4	10/20/16	CRF		90' ELBOW FOR BUBBLER NOW A CATCH BASIN
0				ORIGINAL DRAWING

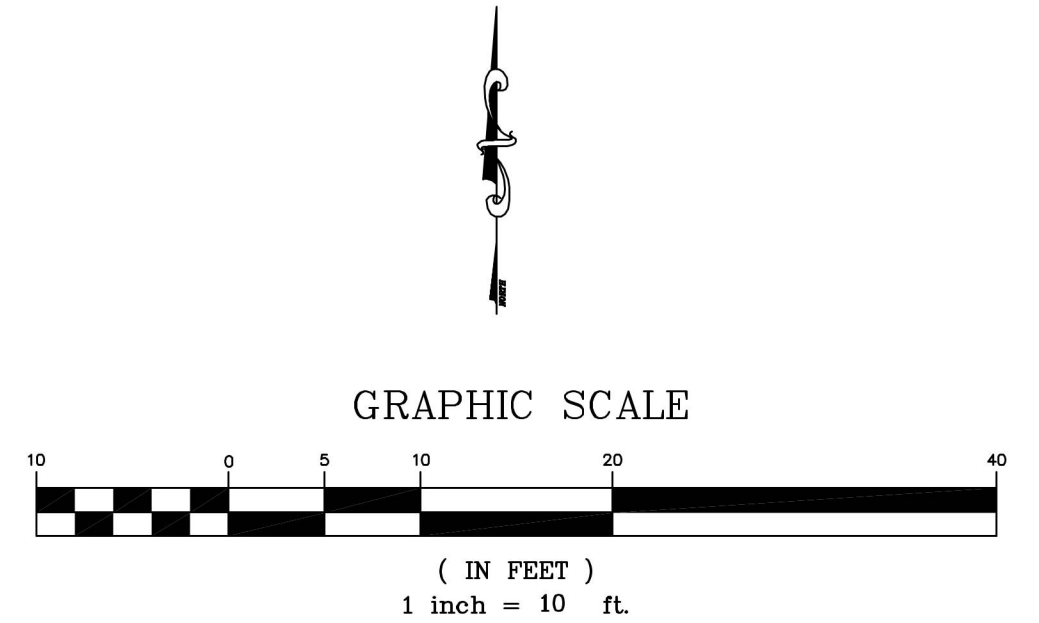
CHARLES R. NACLIN
REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 149562
STATE OF IDAHO
EXPIRES 12/31/19

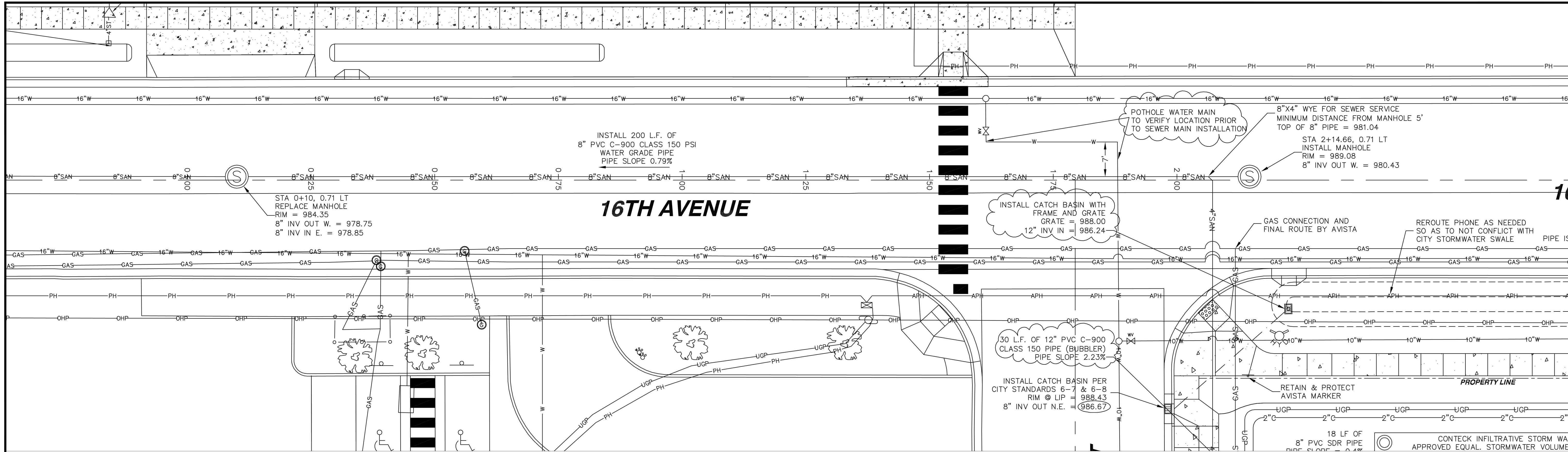
NACLIN ENGINEERING & DRAFTING
"an affordable alternative"

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LEWISTON, IDAHO 83501
FAX (208) 756-1082
(208) 791-8605

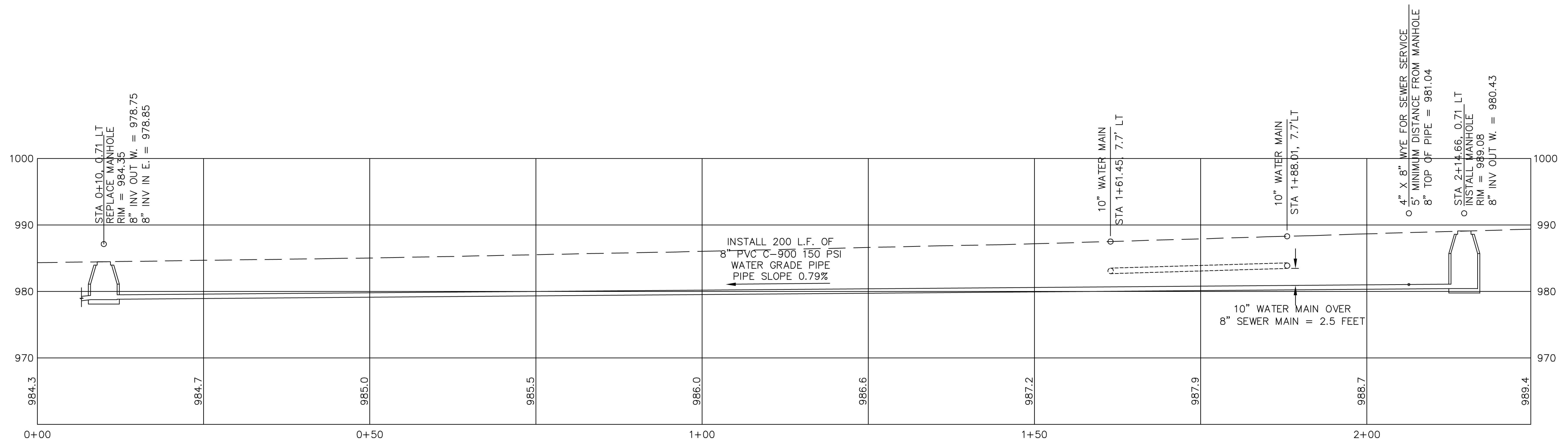
BLUE RIBBON LINEN	DRY CLEANING BUILDING
UTILITY PLAN	

DRAWN BY: CRF	CHECKED BY: CRF
DESIGNED BY: CRF	
SCALE: 1" = 10'	
DATE: 12/20/16	
PROJECT NO.: 00486	
SHEET 7	OF 14



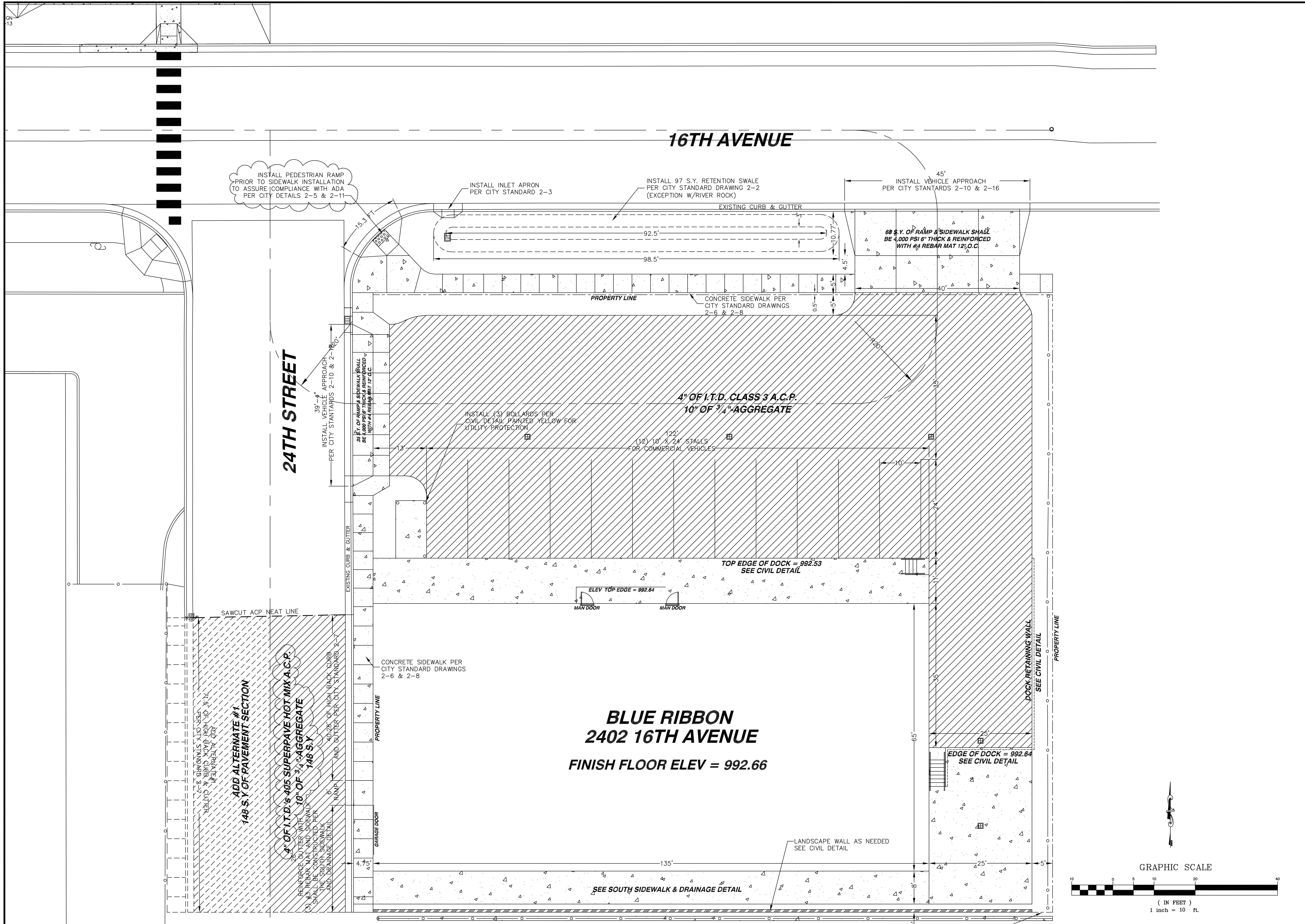


16TH AVENUE SEWER PLAN VIEW

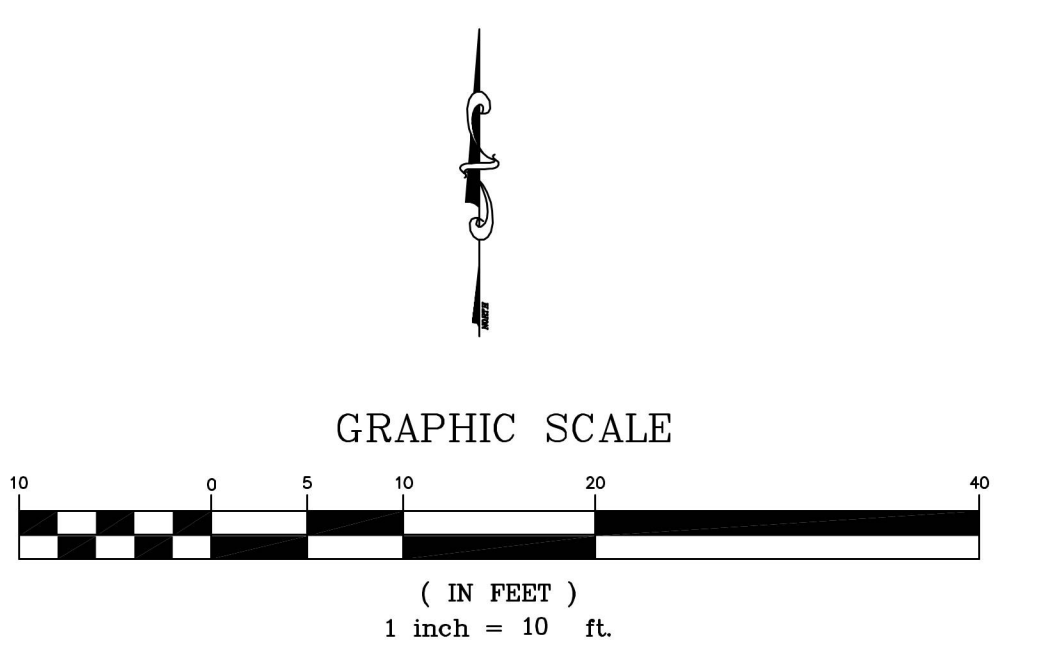


16TH AVENUE SEWER PROFILE

REVISIONS NO. DATE BY 1 10/20/16 CRF	
FILENAME NO. DATE BY 1 10/20/16 CRF	
PROJECT INFORMATION REGISTERED PROFESSIONAL ENGINEER 10962 12/20/16 CHARLES R.	
4025 EAGLE COURT LEWISTON, IDAHO 83501 FAX (208) 750-1082 (208) 791-8605	
MACLINE ENGINEERING & DRAFTING "an affordable alternative"	
BLUE RIBBON LINEN DRY CLEANING BUILDING 16TH AVE SEWER	
DRAWN BY: CRF	CHECKED BY: CRF
DESIGNED BY: CRF	
SCALE: 1" = 10'	
DATE: 12/20/16	
PROJECT NO.: 00486	
SHEET 8 OF 14	



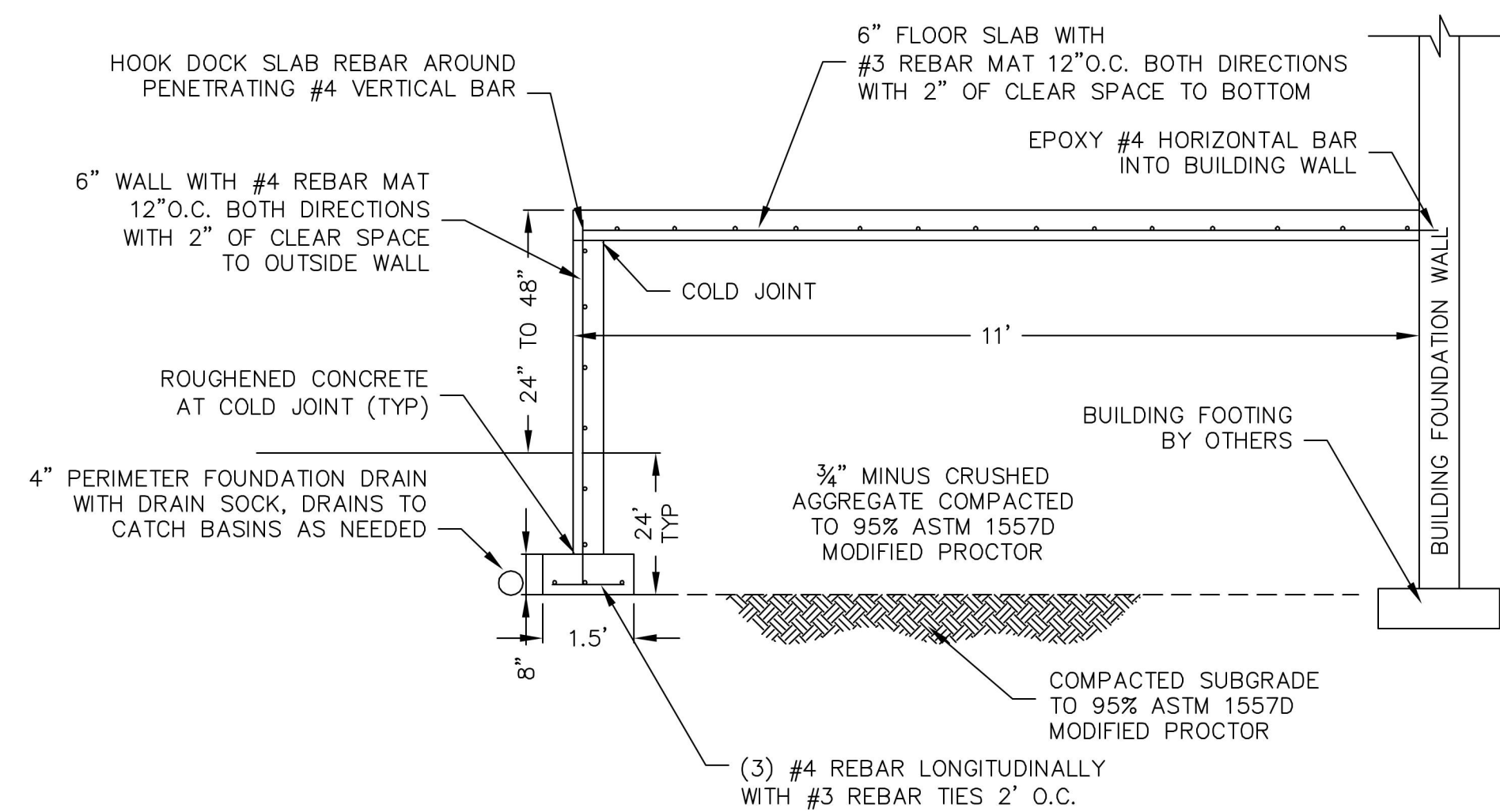
**BLUE RIBBON
2402 16TH AVENUE
FINISH FLOOR ELEV = 992.66**



NO.		DATE	BY	FILENAME	REVISIONS
1		10/20/16	CRF		WATER MAIN TO BE POTHOLED TO VERIFY LOCATION PRIOR TO SEWER MAIN CONSTRUCTION
2		10/20/16	CRF		ADA RAMP TO BE INSTALLED PRIOR TO SIDEWALK INSTALLATION TO ASSURE COMPLIANCE WITH ADA STANDARDS
0					ORIGINAL DRAWING

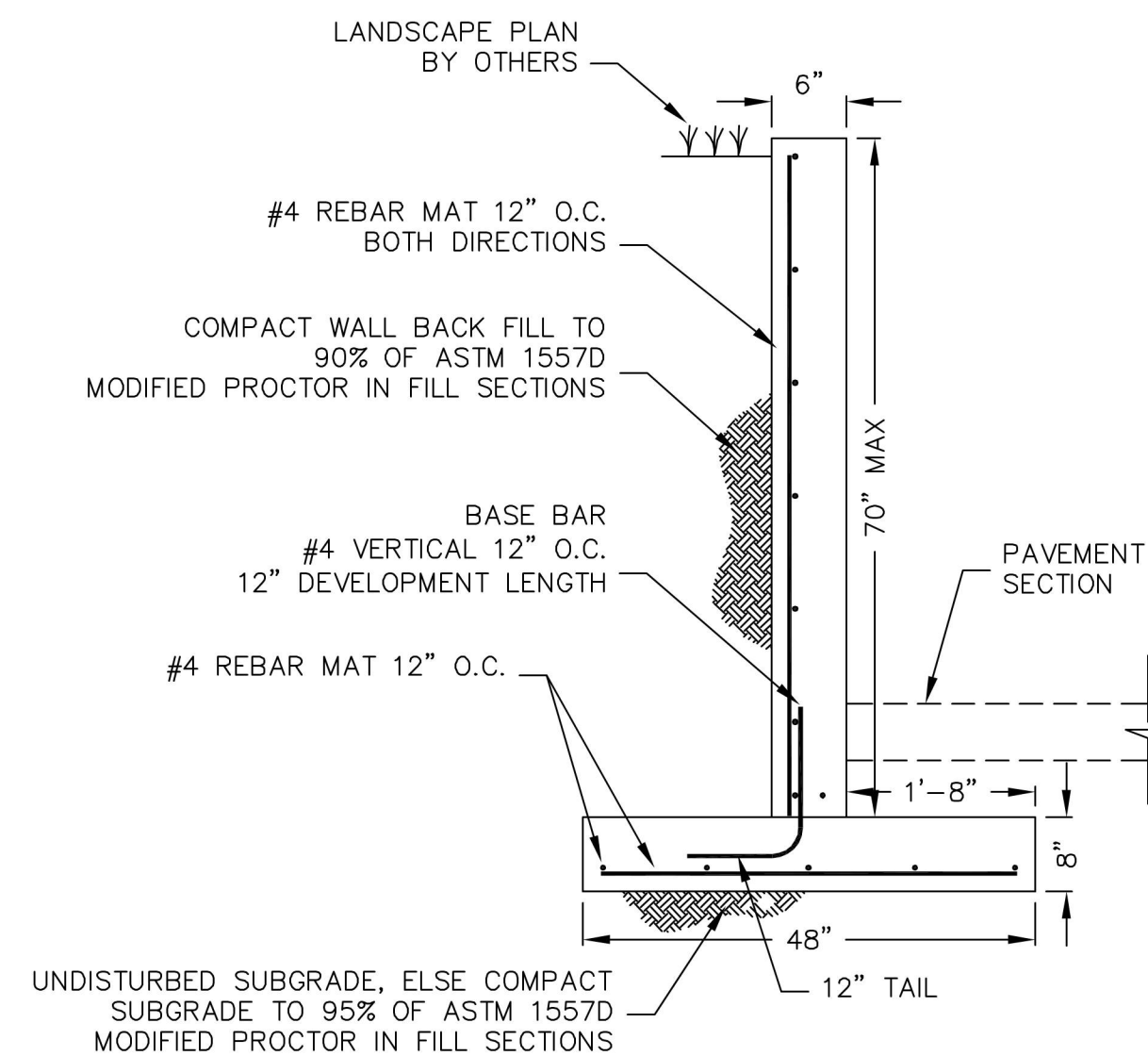
	<p>4025 EAGLE COURT LEWISTON, IDAHO 83501 FAX (208) 756-1082 (208) 791-8025</p> <p>NACLINE ENGINEERING & DRAFTING "an affordable alternative"</p>
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<p>BLUE RIBBON LINEN DRY CLEANING BUILDING CIVIL PLAN</p>	<p>DRAWN BY: CRF DESIGNED BY: CRF SCALE: 1" = 10' DATE: 12/20/16 PROJECT NO.: 00486 SHEET 9 OF 14</p>
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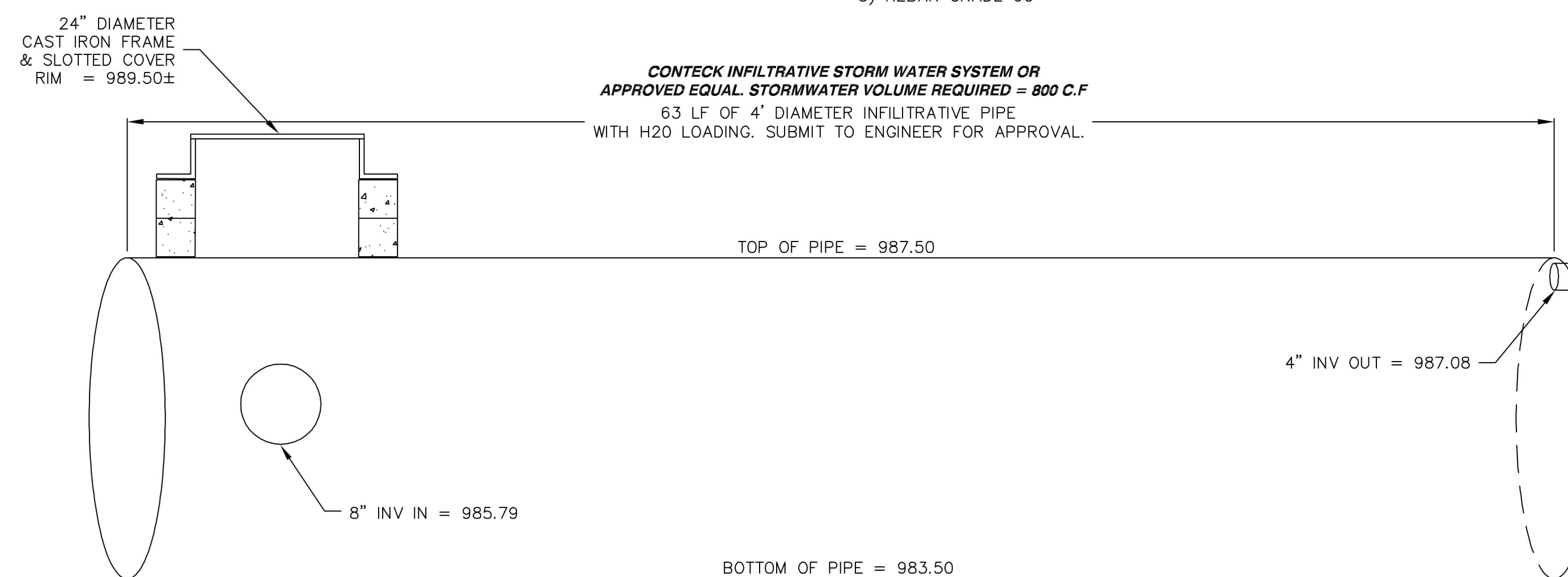
DOCK SECTION VIEW

- NO SCALE
- 1) CONCRETE 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI
 - 2) REBAR MINIMUM CLEAR COVER IS 2"
 - 3) REBAR GRADE 60



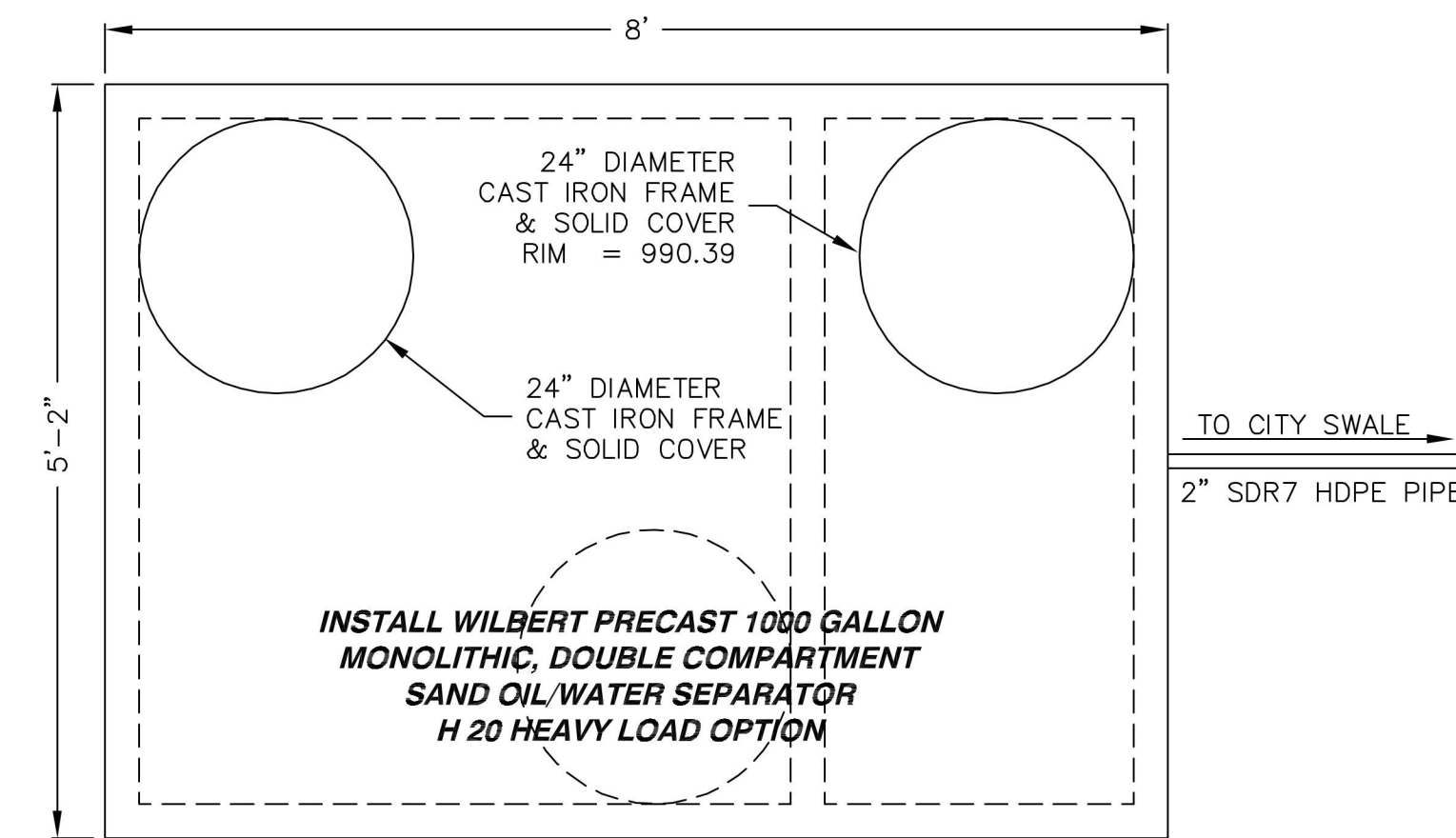
4'-6' DOCK RETAINING WALL

- NO SCALE
- 1) CONCRETE 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI
 - 2) REBAR MINIMUM CLEAR COVER IS 2"
 - 3) REBAR GRADE 60



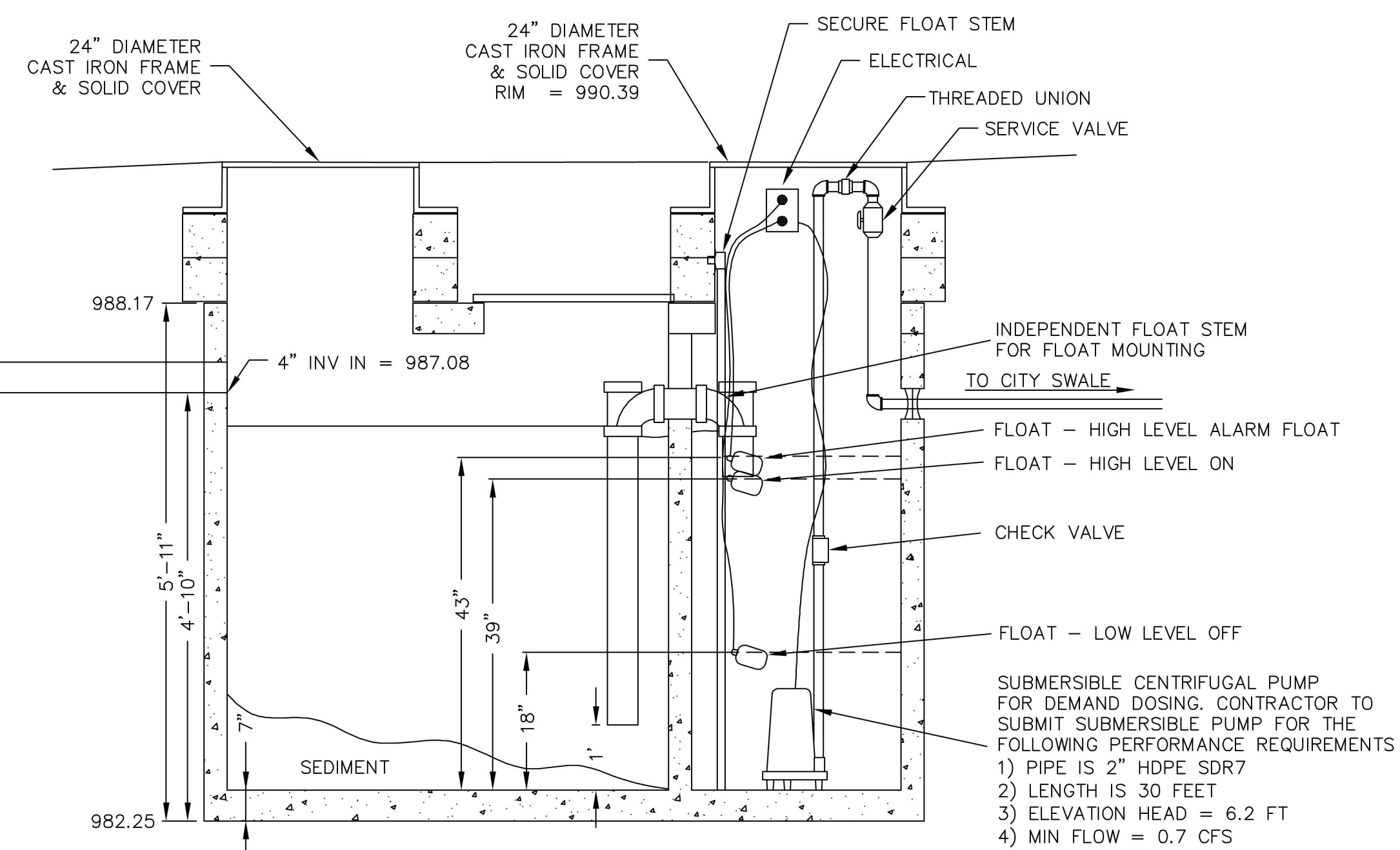
700 C.F. STORMWATER INFILTRATION SYSTEM

NOT TO SCALE



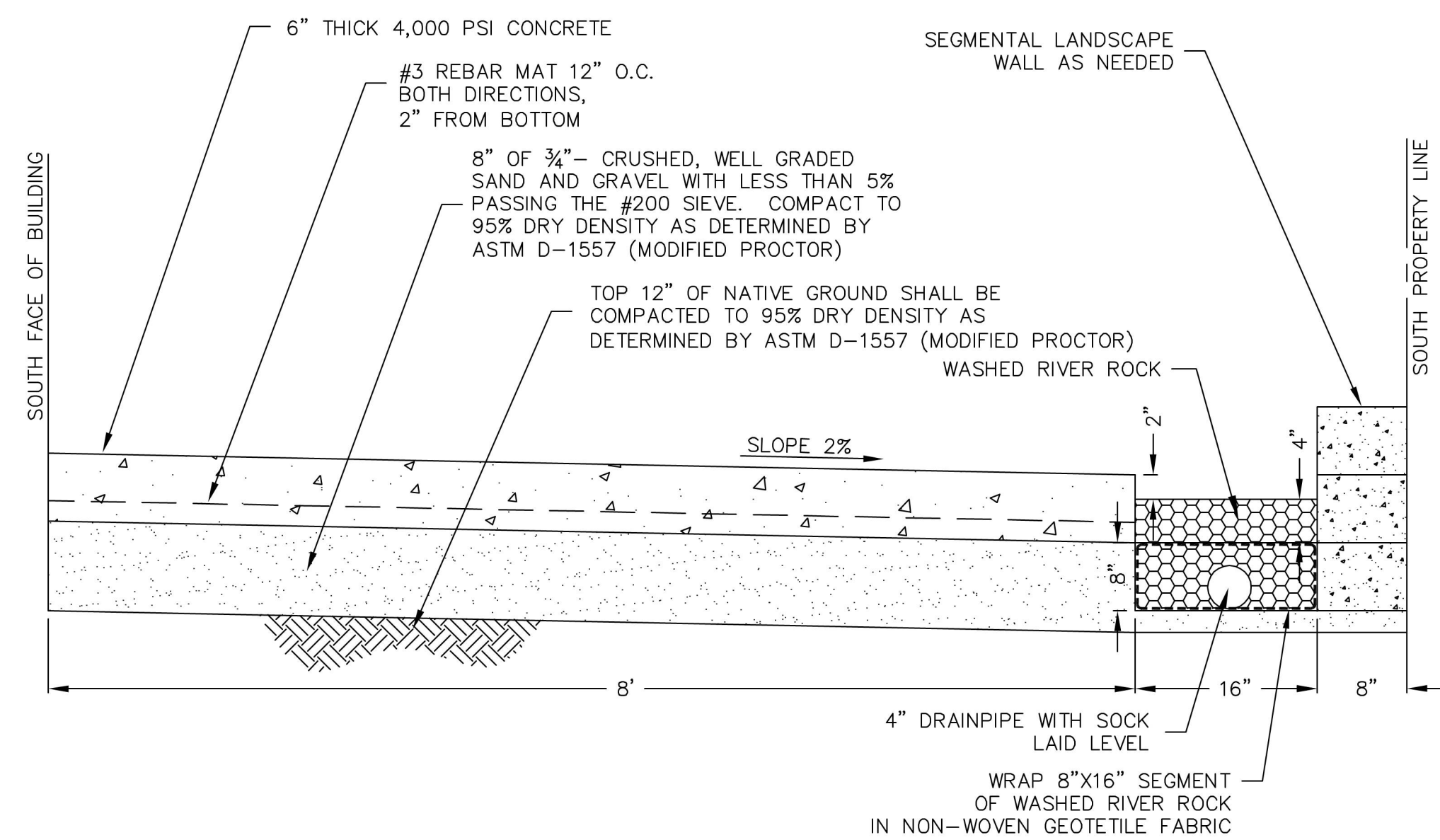
1000 GAL SAND/OIL SEPARATOR PUMP CHAMBER PLAN

NOT TO SCALE



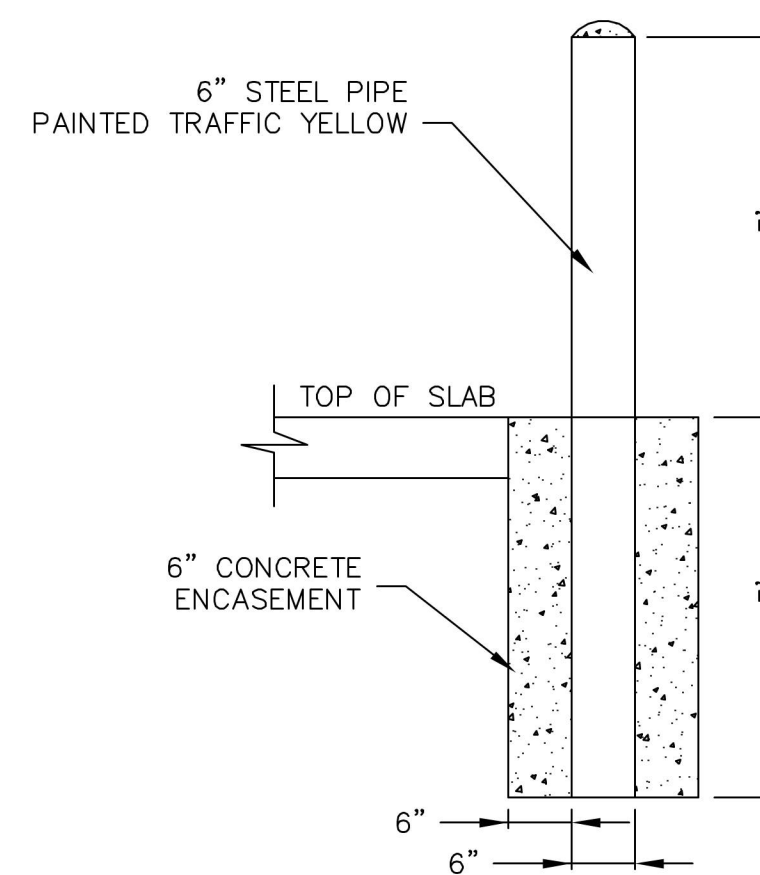
1000 GAL SAND/OIL SEPARATOR - PUMP CHAMBER PROFILE

NOT TO SCALE



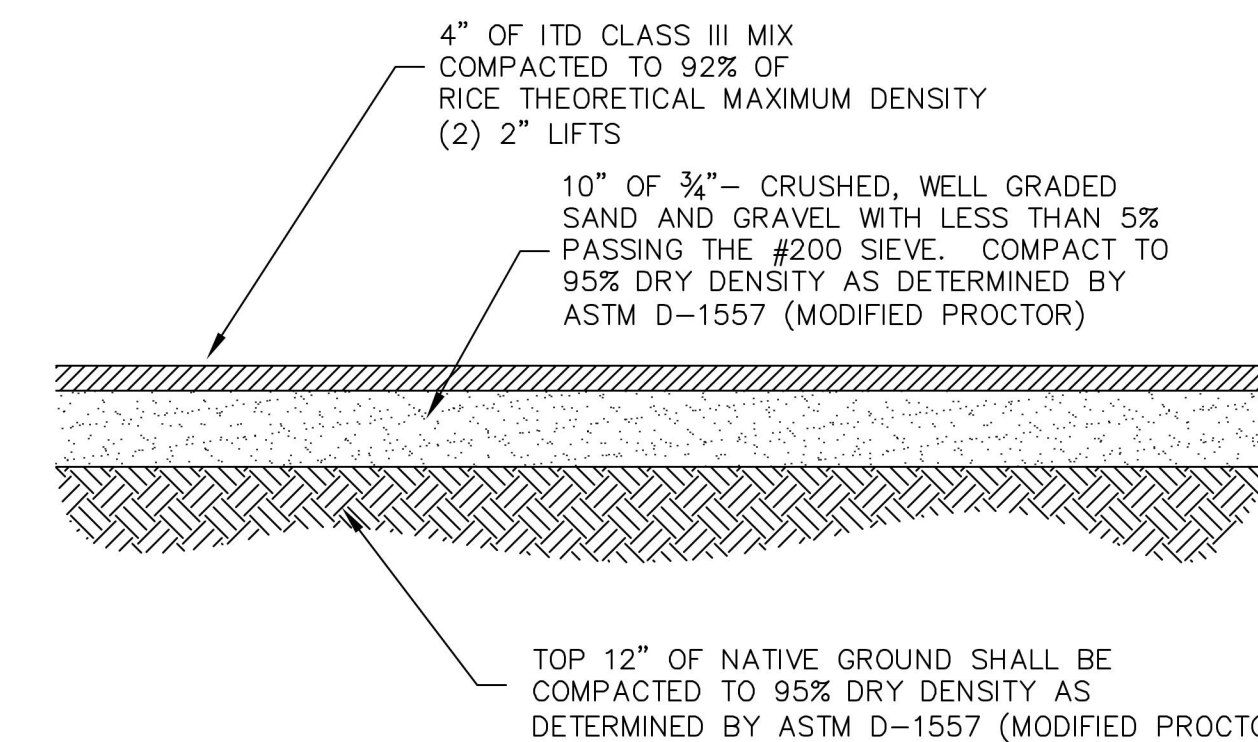
SOUTH SIDEWALK AND DRAINAGE DETAIL

NO SCALE



BOLLARD DETAIL

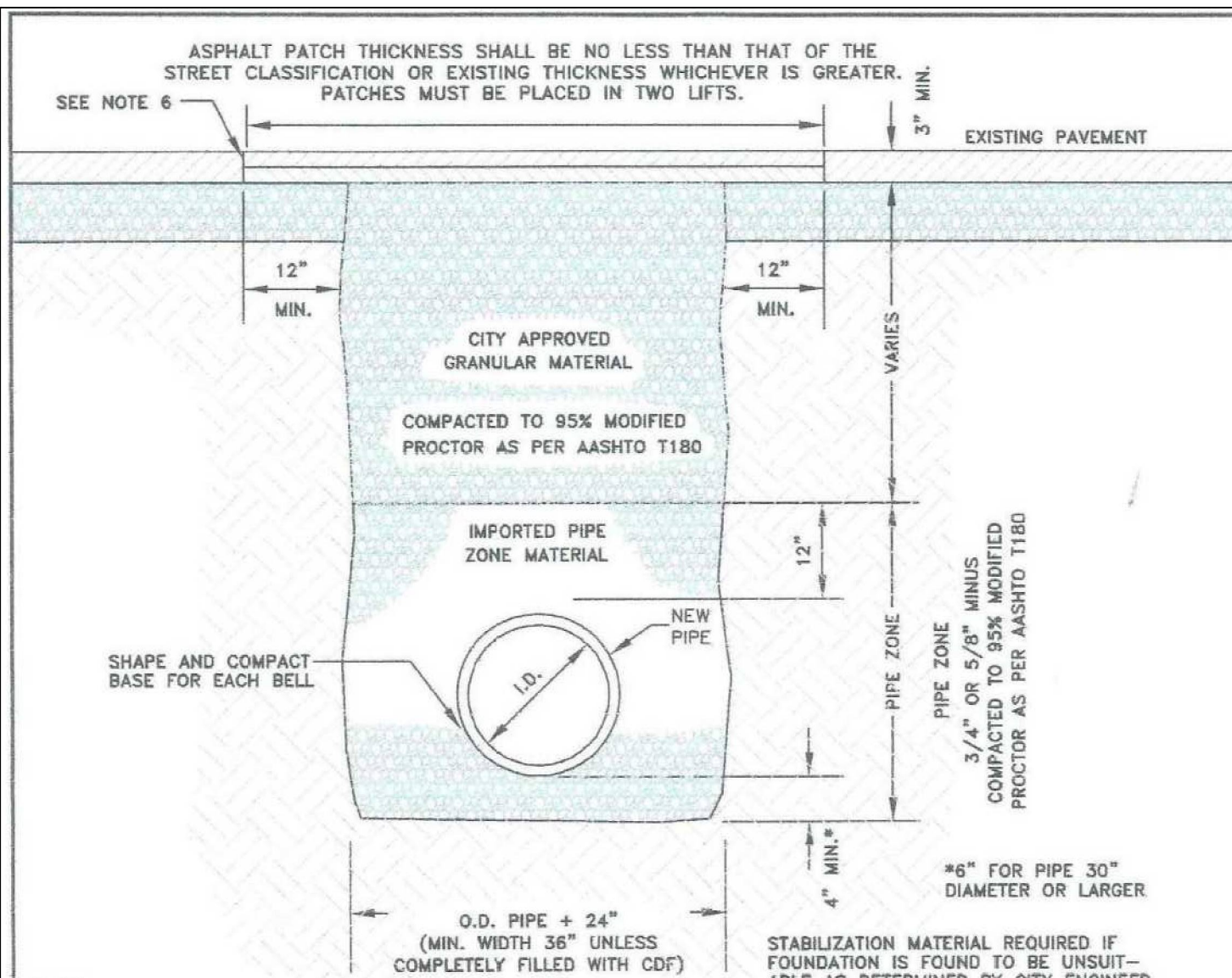
NO SCALE



PAVEMENT SECTION DETAIL

NO SCALE

NO.	DATE	BY	FILENAME	REVISIONS
0				
<p>4025 EAGLE COURT LEWISTON, IDAHO 83501 FAX (208) 756-1082 (208) 791-8605</p> <p>NACLINE ENGINEERING & DRAFTING "an affordable alternative"</p>				
<p>BLUE RIBBON BUILDING DRY CLEANING BUILDING CIVIL DETAILS</p>				
DRAWN BY:	CRF	CHECKED BY:	CRF	
DESIGNED BY:	CRF			
SCALE:	NO SCALE			
DATE:	12/20/16			
PROJECT NO.:	00486			
SHEET 10	OF 14			



- NOTES:
- CONTRACTOR SHALL COMPLY WITH THE MOST CURRENT OSHA REQUIREMENTS FOR EXCAVATIONS.
 - ALL TRENCHES EXCAVATED WITHIN EXISTING PAVED STREETS SHALL BE BACKFILLED AND SURFACED THE SAME DAY WITH A 2" THICK COMPACTED COLD MIX ASPHALT PATCH (SMOOTH) - TO BE REPLACED WITH THE CITY'S STANDARD 4" HOT MIX ASPHALT SURFACING AS SOON AS SCHEDULING ALLOWS; UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE CITY ENGINEER.
 - THE NEW ASPHALT PATCH SHALL MATCH THE EXISTING PAVEMENT GRADE. ACROSS THE WIDTH OF THE TRENCH THE NEW SURFACE SHALL BE FLUSH OR UP TO 1/4" ABOVE THE EXISTING PAVEMENT GRADE.
 - EXISTING PAVEMENT SHALL BE SAWCUT FULL DEPTH AND IN CONTINUOUS, STRAIGHT LINES. BROKEN EDGES WILL NOT BE ALLOWED. PAVEMENT CUTS SHALL BE "TACKED" IMMEDIATELY PRIOR TO INSTALLATION OF THE HOT MIX PATCH.
 - AFTER BACKFILLING TRENCH REMOVE ALL BROKEN OR LOOSE ASPHALT OR CONCRETE BEFORE IN THE INITIAL TRENCH.
 - PATCH CANNOT OVERLAP ANOTHER PARALLEL PATCH AND CANNOT LEAVE EXISTING ASPHALT LESS THAN 36" WIDE.
 - JOINTS TO BE TACKED AND SANDED WITH EMULSIFIED TACK.
 - SPECIFICATIONS REGARDING PIPE BEDDING AND TRENCH BACKFILL WILL FOLLOW IS/PCW SECTION 305 AND 306, UNLESS ABOVE STANDARDS ARE MORE RESTRICTIVE.

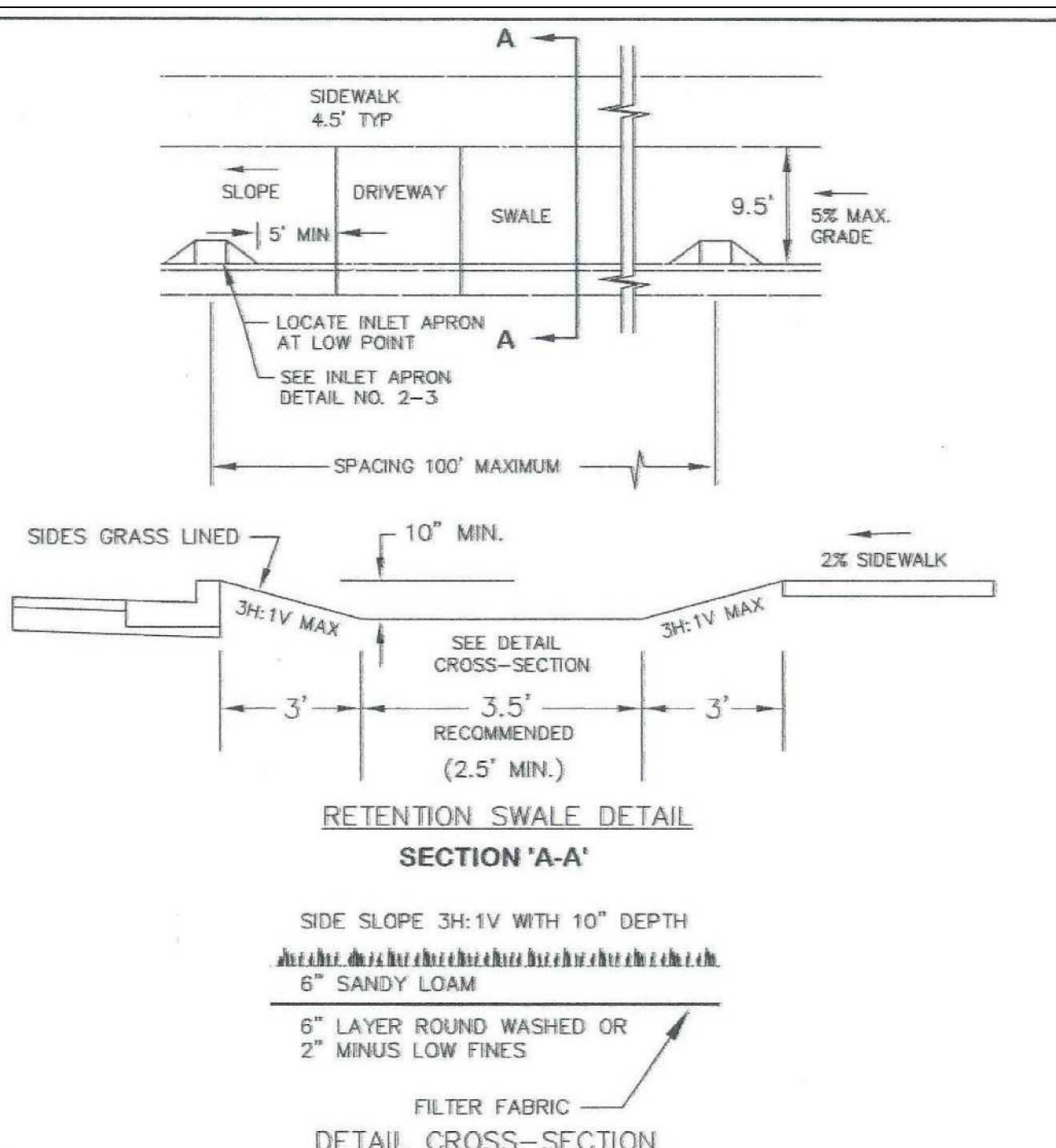
CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

**BACKFILL-
CLASS 'F'**

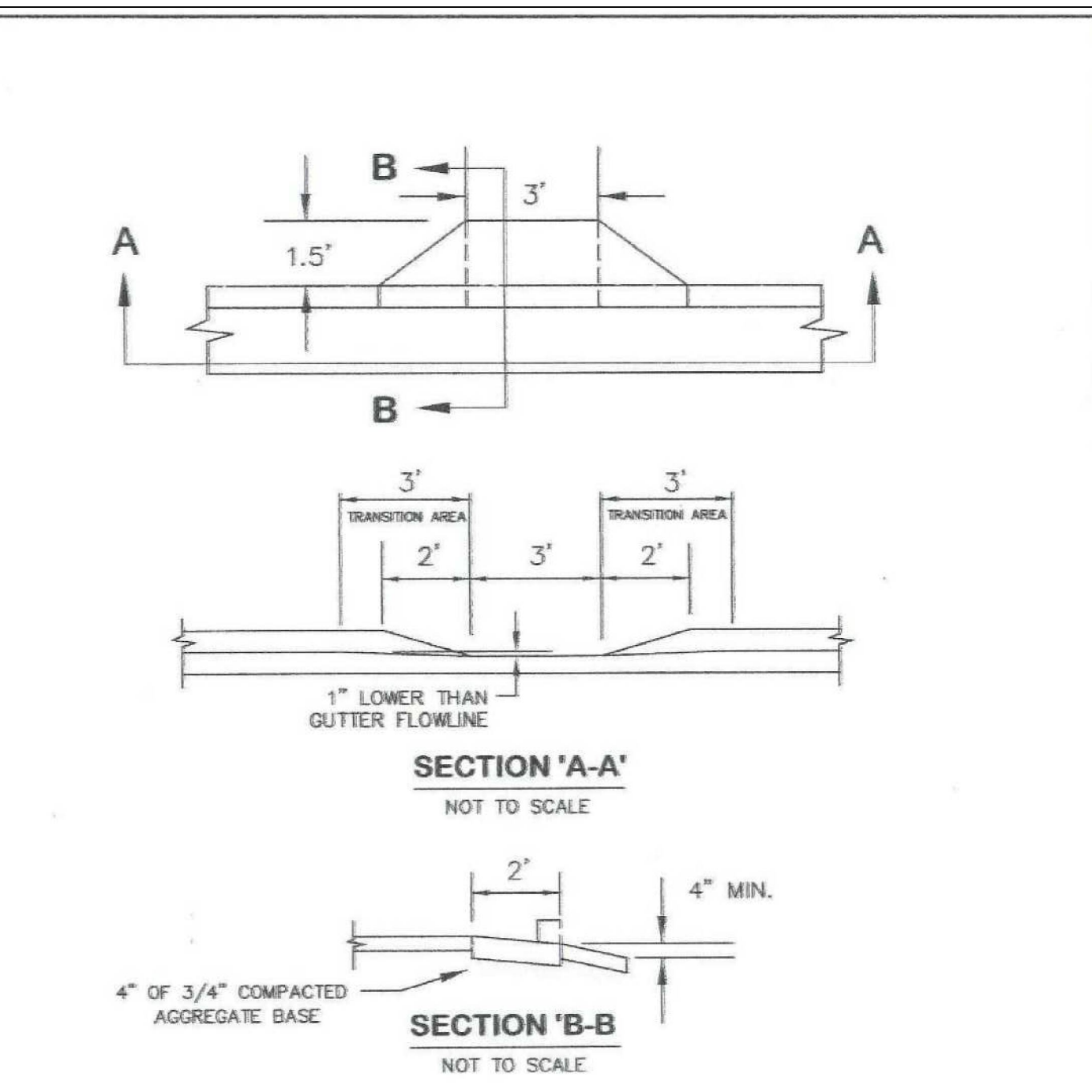
APPROVED FOR PUBLICATION: *Shawn Stiller* 2/5/09
City Engineer Date

DWG. NO. 1-7

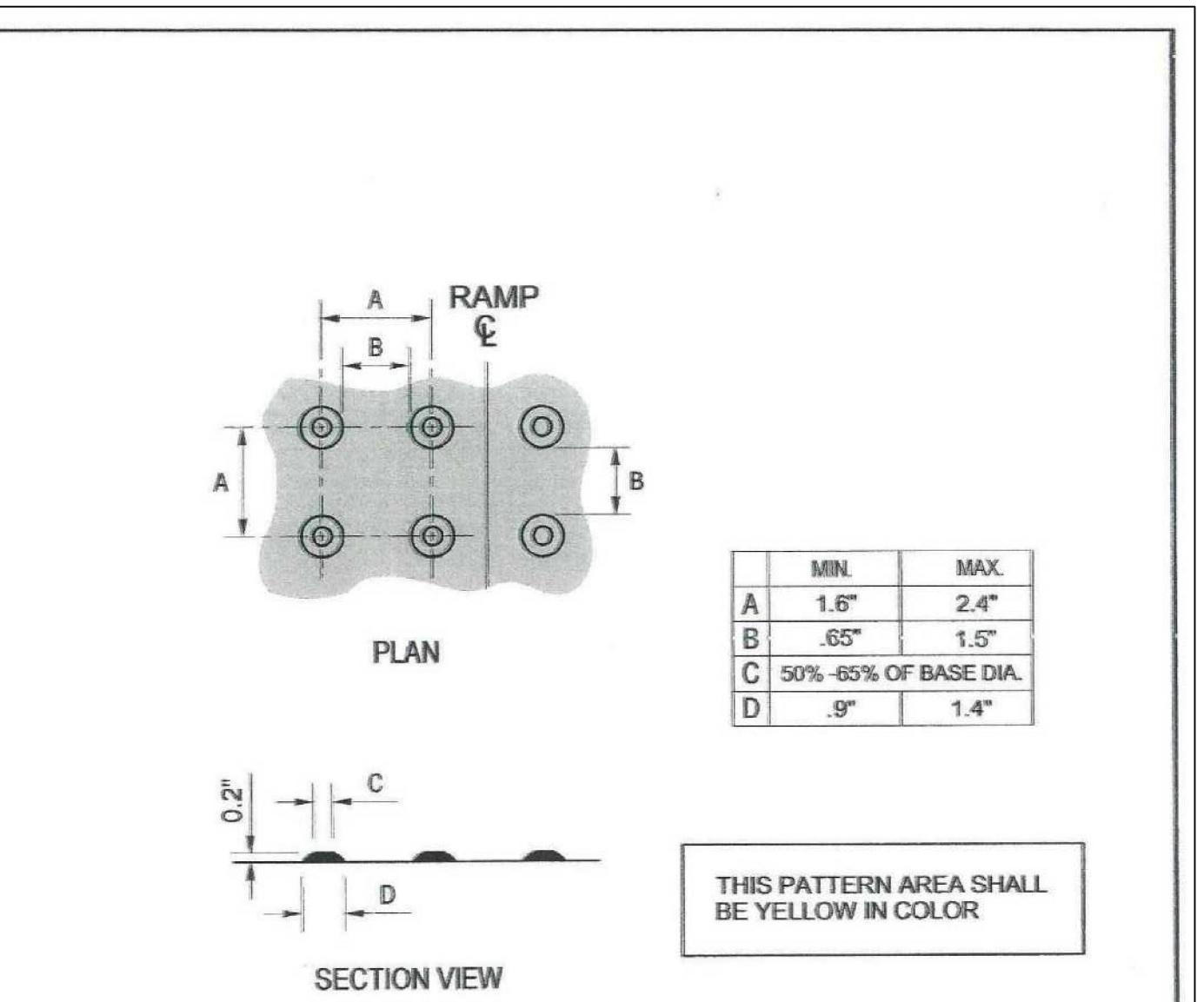
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- NOTES:
- SIDE SLOPES SHALL BE MAXIMUM OF 3H:1V
 - ALL SWALES SHALL HAVE A MINIMUM INFILTRATION RATE OF 0.57/HOUR. GEOTECH REPORT IS REQUIRED TO INDICATE PERCOLATION WILL OCCUR WITHIN 48 HOURS.
 - SEE INLET APRON DETAIL DWG NO. 2-3
 - INLET APRON SHALL BE INSTALLED AT THE SAME TIME AS DRIVEWAY APRON AND ON THE LOWER SIDE OF DRIVEWAY APRON.
 - ONLY ON CUL-DE-SAC ROADWAYS LESS THAN 500' (SEE CITY DETAIL NO. 3-9) THE WIDTH OF THE SWALE MAYBE REDUCED.
 - MAINTAIN 2% SLOPE THROUGH WIDTH OF THE SWALE; FRONT OF THE SIDEWALK SHALL BE SET A MINIMUM OF 2" HIGHER THAN THE TOP OF CURB.
- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- RETENTION SWALE**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 4/10/10
City Engineer Date
- DWG. NO. 2-2
- M:\Standards\2010-Standards\2 - Concrete\Residential Retention Swale.dwg



- NOTES:
- SET APRON ENTRANCE 1" LOWER THAN PROPOSED FLOWLINE TO ENSURE POSITIVE DRAINAGE INTO CATCH BASIN CURB FLOWLINE SHALL BE TRANSITION TO 3" ON EACH SIDE OF INLET APRON TO ADJUST FOR 1" DROP. GUTTER LIP AND TOP OF CURB ARE NOT TO BE DEPRESSED.
 - NOT TO BE USED WHEN BUILDING ELEVATION IS LOWER THAN THE EXISTING CENTERLINE ELEVATION OF THE ADJACENT ROADWAY.
 - APRON TO SLOPE TO BOTTOM OF SWALE.
- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- INLET APRON**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 4/10/10
City Engineer Date
- DWG. NO. 2-3
- M:\Standards\2010 - Standards\2 - Concrete\Inlet Apron.dwg



- NOTES:
- Detectable truncated-dome warning, 2 ft wide, must be provided for the full width of ramps and blended connections to mark the street edge and fully approved by current ADA requirements.
 - At least one corner of the detectable warning panel shall be coincident to the back of curb
- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- DETECTABLE WARNING FOR
PEDESTRIAN ACCESS**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 9/1/10
City Engineer Date
- DWG. NO. 2-5
- M:\Standards\2010-Standards\2 - Concrete\Detectable Dome.dwg

- GENERAL NOTES FOR ALL TYPES OF CURB AND GUTTER**
- SECURE A PERMIT FOR CONSTRUCTION, BEFORE BEGINNING CONSTRUCTION IN PUBLIC RIGHT-OF-WAY.
 - GRADE, ALIGNMENT AND CURB TYPE SHALL BE AS APPROVED BY THE CITY ENGINEER.
 - ALIGNMENT AND GRADE STAKED TO LIP OF GUTTER (LIP) SHALL BE ESTABLISHED OR APPROVED BY THE CITY ENGINEER.
 - THE TOLERANCE FOR FINISHED CURB AND GUTTER - MAX. VARIATION OF SURFACE FLATNESS: 1/4 INCH IN 10 FEET MAX. VARIATION FROM TRUE POSITION (DESIGN GRADE): 1/2 INCH
 - BASE MATERIAL SHALL BE 4" OF 3/4 OR 5/8 INCH MINUS CRUSHED AGGREGATE BASE MATERIAL COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY STANDARD PROCTOR AS PER AASHTO T99. ALL FILL OR BACKFILL AREAS SHALL BE PLACED IN 6" MAXIMUM LIFTS.
 - CONCRETE SHALL BE 3,000 PSI MINIMUM AT 28 DAYS, MAXIMUM WATER/CEMENT RATIO SHALL BE 0.5 (LB/LB), 5" MAX. SLUMP, AIR CONTENT (%) 6.5 ±1.5.
 - DUMMY JOINTS AT 10 FOOT INTERVALS AND AT CURB RADII, 3/4" TO 1" DEEP. CONSTRUCTION JOINTS LOCATIONS AS DIRECTED BY CITY ENGINEER. DIFFERENTIAL ELEVATION BETWEEN ADJACENT SECTIONS SHALL NOT EXCEED 1/4".
 - THE CONTRACTOR ARE REQUIRED BY THE PUBLIC WORKS DEPARTMENT TO MARK STUB-OUTS AND VALVES IN THE UNCURED CONCRETE.
 - THE CONTRACTOR OR OWNER SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT FOR INSPECTION AFTER THE FORMS ARE SET AND THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED NO LESS THAN 2 WORKING DAYS BEFORE PLACEMENT OF CONCRETE FOR A FINAL INSPECTION. FAILURE TO NOTIFY THE PUBLIC WORKS DEPARTMENT IS GROUNDS FOR REJECTION OF CURB AND GUTTER.
 - CONCRETE SURFACE TO HAVE A LIGHT BROOM FINISH PARALLEL WITH THE LENGTH OF THE CURB.
 - APPLY UNIFORM COAT OF REZ-SEAL OR APPROVED EQUIVALENT CURING COMPOUND TO EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING.
 - ROLLED CURB AND GUTTER SHALL NOT BE USED:
 - ON STREETS IN COMMERCIAL AND INDUSTRIAL ZONED AREAS.
 - ON STREETS WITH LONGITUDINAL (LENGTHWISE) GRADES IN EXCESS OF 5%.
 - ON ANY ARTERIAL OR COLLECTOR.
 - WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
 - WHEN SIDEWALK IS LOCATED AT THE BACK OF CURB.

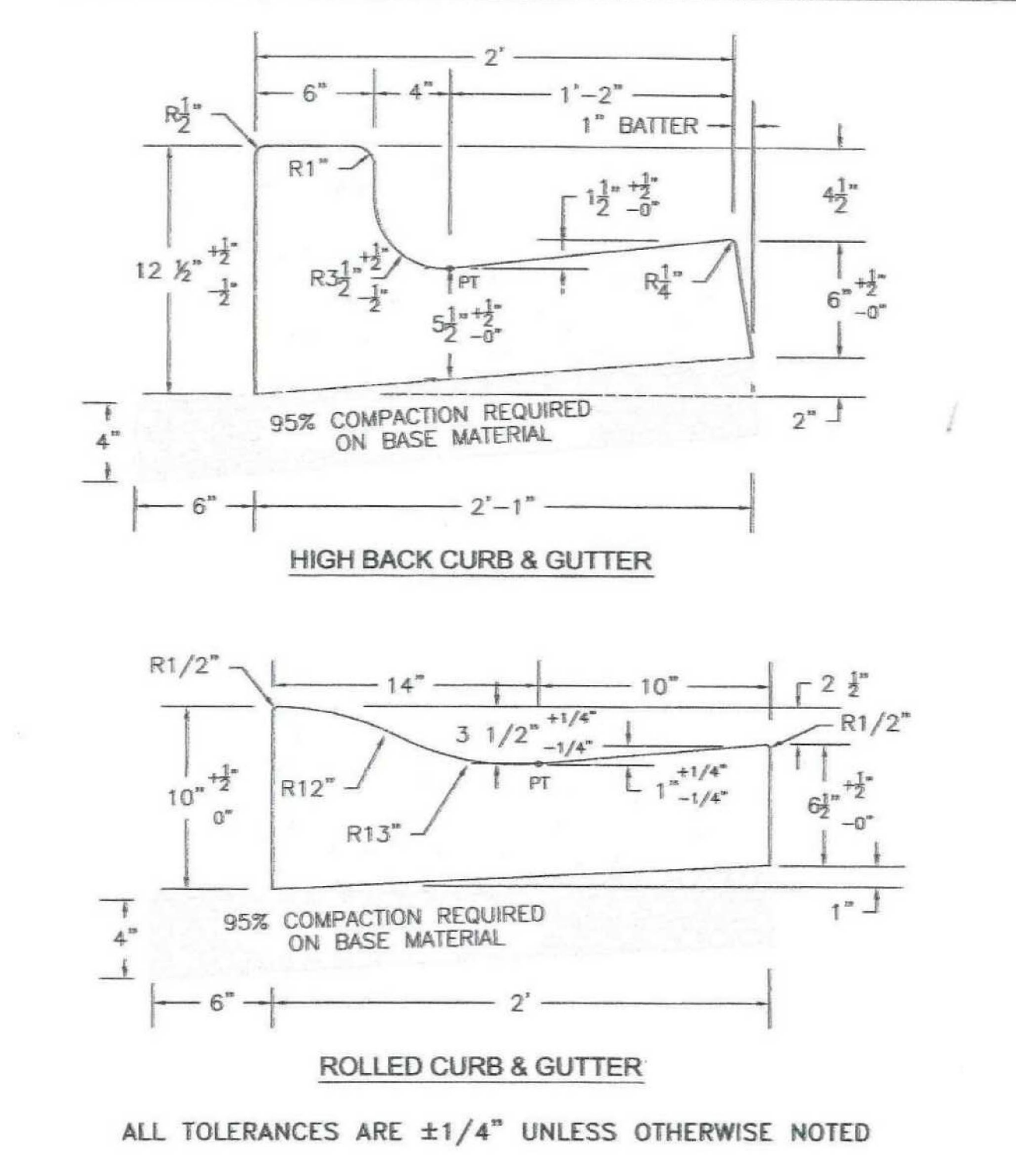
CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

**GENERAL NOTES
FOR ALL TYPES OF
CURB AND GUTTER**

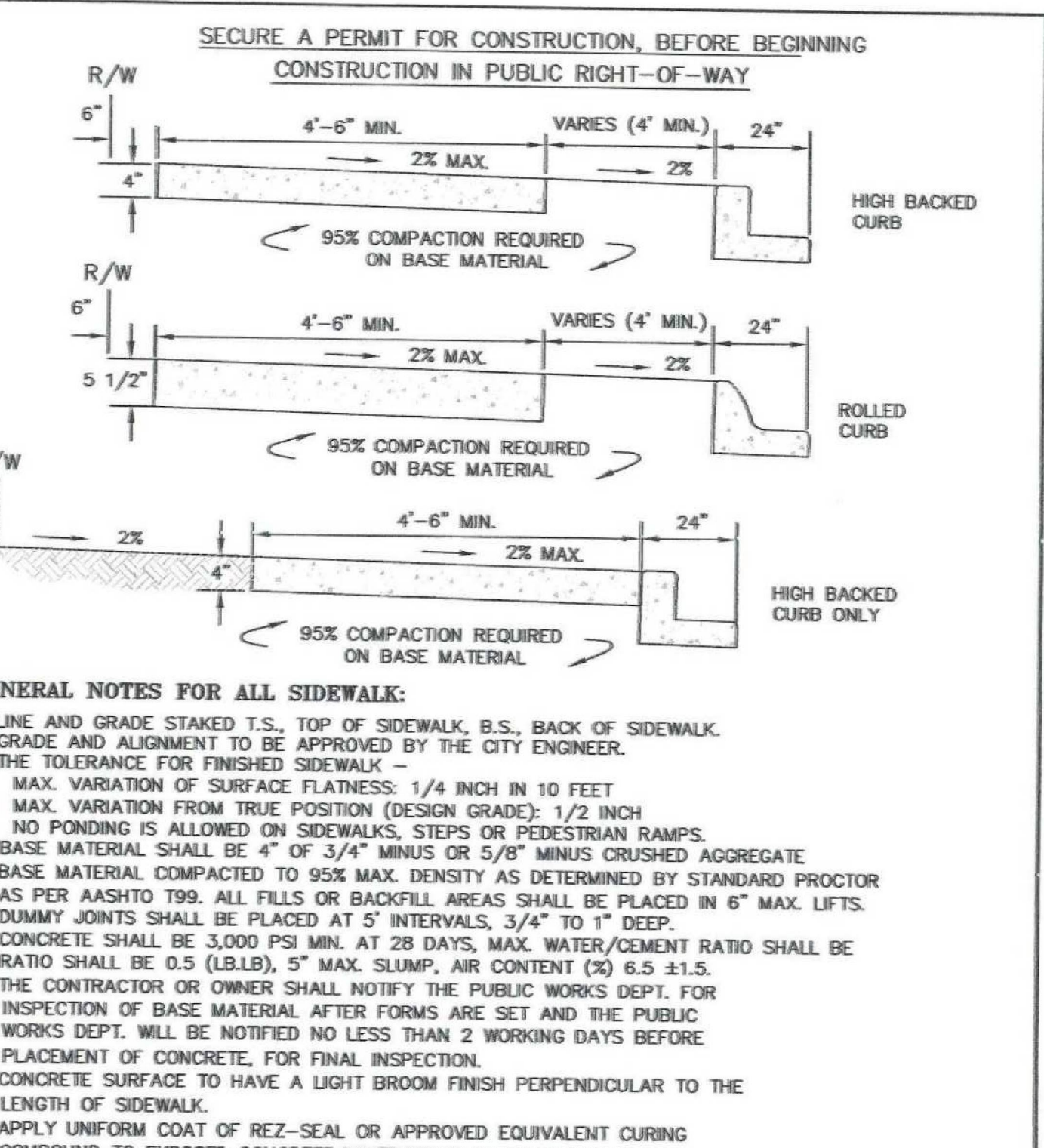
APPROVED FOR PUBLICATION: *Shawn Stiller* 4/23/10
City Engineer Date

DWG. NO. 2-6

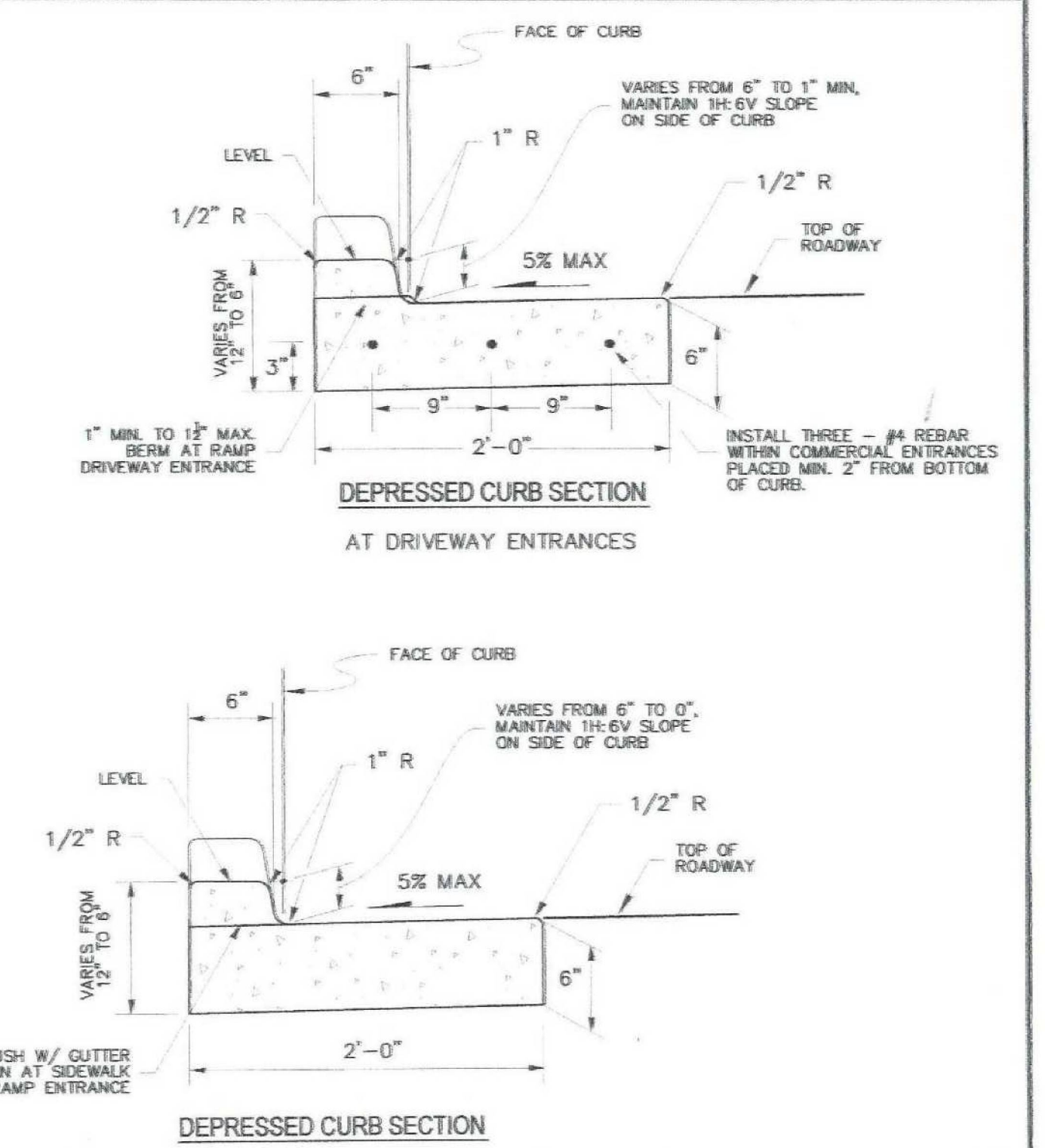
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- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- HIGH BACK CURB & GUTTER
ROLLED CURB & GUTTER**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 2-5-09
City Engineer Date
- DWG. NO. 2-7
- M:\Standards\2008 - Standards\2 - Concrete\HighBack_Rolled_Curb.dwg



- GENERAL NOTES FOR ALL SIDEWALK:**
- LINE AND GRADE STAKED T.S., TOP OF SIDEWALK, B.S., BACK OF SIDEWALK.
 - GRADE AND ALIGNMENT TO BE APPROVED BY THE CITY ENGINEER.
 - THE TOLERANCE FOR FINISHED SIDEWALK - MAX. VARIATION OF SURFACE FLATNESS: 1/4 INCH IN 10 FEET MAX. VARIATION FROM TRUE POSITION (DESIGN GRADE): 1/2 INCH NO PONDING IS ALLOWED ON SIDEWALKS, STEPS OR PEDESTRIAN RAMPS.
 - BASE MATERIAL SHALL BE 4" OF 3/4" MINUS OR 5/8" MINUS CRUSHED AGGREGATE BASE MATERIAL COMPACTED TO 95% MAX. DENSITY AS DETERMINED BY STANDARD PROCTOR AS PER AASHTO T99. ALL FILLS OR BACKFILL AREAS SHALL BE PLACED IN 6" MAX. LIFTS.
 - DUMMY JOINTS SHALL BE PLACED AT 5' INTERVALS, 3/4" TO 1" DEEP.
 - CONCRETE SHALL BE 3,000 PSI MIN. AT 28 DAYS, MAX. WATER/CEMENT RATIO SHALL BE RATIO SHALL BE 0.5 (L.B.L.B.), 5" MAX. SLUMP, AIR CONTENT (%) 6.5 ±1.5.
 - THE CONTRACTOR OR OWNER SHALL NOTIFY THE PUBLIC WORKS DEPT. FOR INSPECTION OF BASE MATERIAL AFTER FORMS ARE SET AND THE PUBLIC WORKS DEPT. WILL BE NOTIFIED NO LESS THAN 2 WORKING DAYS BEFORE PLACEMENT OF CONCRETE, FOR FINAL INSPECTION.
 - CONCRETE SURFACE TO HAVE A LIGHT BROOM FINISH PERPENDICULAR TO THE LENGTH OF SIDEWALK.
 - APPLY UNIFORM COAT OF REZ-SEAL OR APPROVED EQUIVALENT CURING COMPOUND TO EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING.
 - NAME OF CONTRACTOR AND YEAR TO BE STAMPED AT EACH END OF WORK AND AT INTERVALS OF 300 FT.
 - CONCRETE SURFACE SHALL BE FREE OF SURFACE BLEMISHES OR VOIDS GREATER THAN 1/4". JOINTS AND EDGES SHALL BE CLEAN AND FREE OF EXCESS SPALLING OR VOIDS.
 - A 6" STRIP TO BE LOCATED BETWEEN RIGHT-OF-WAY LINE AND SIDEWALK FOR PLACEMENT OF PROPERTY PINS WHEN PLANTING STRIP OR REIENTATION SWALES ARE PLACED BEHIND CURB AND GUTTER.
- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- CONCRETE
SIDEWALK**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 4/23/10
City Engineer Date
- DWG. NO. 2-8
- M:\Standards\2008 - Standards\2 - Concrete\Concrete Sidewalk.dwg



- CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
- DEPRESSED CURB
SECTION**
- APPROVED FOR PUBLICATION: *Shawn Stiller* 3/9/09
City Engineer Date
- DWG. NO. 2-10
- M:\Standards\2008 - Standards\2 - Concrete\Depressed Curb Section.dwg

REVISIONS

NO.	DATE	BY	FILENAME
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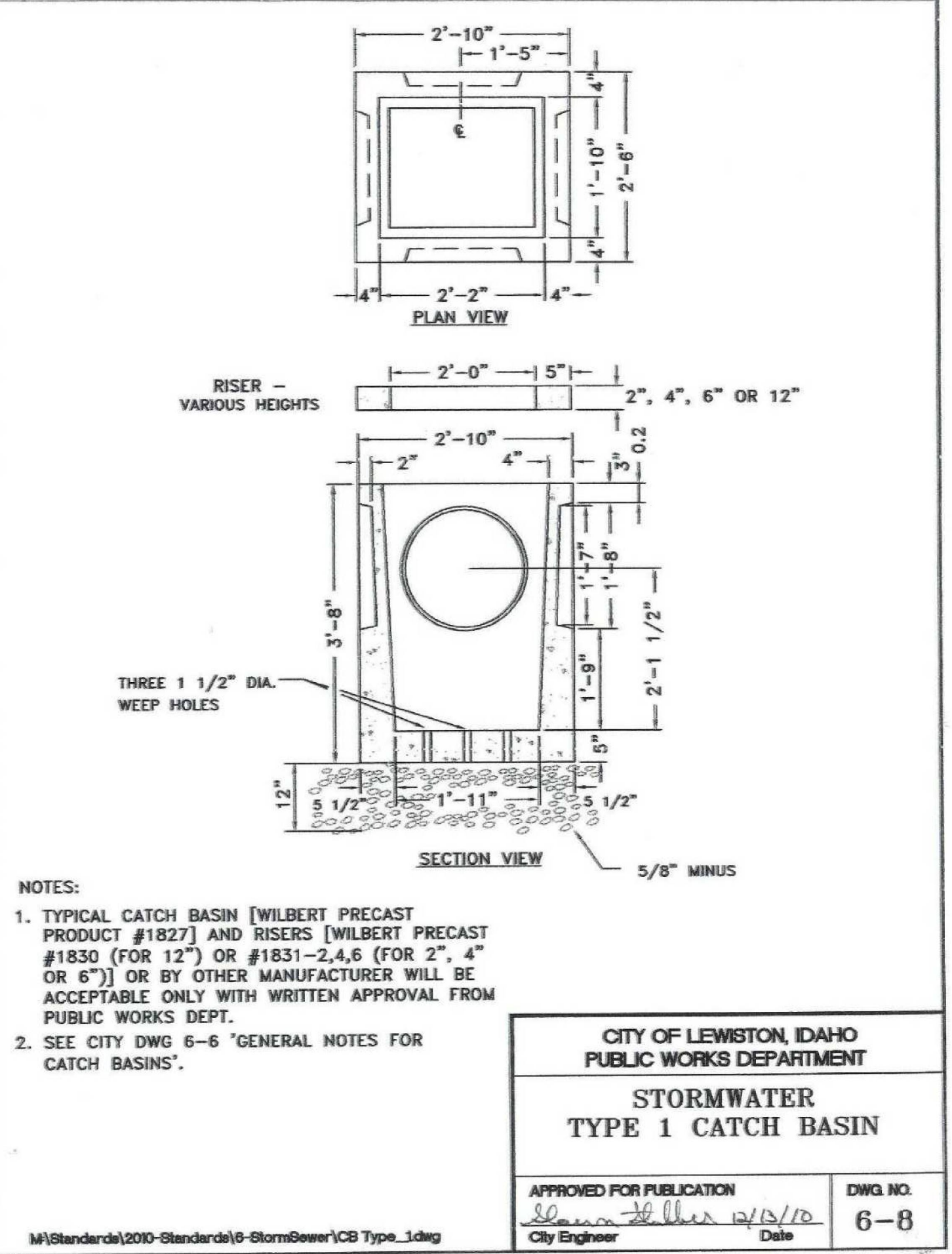
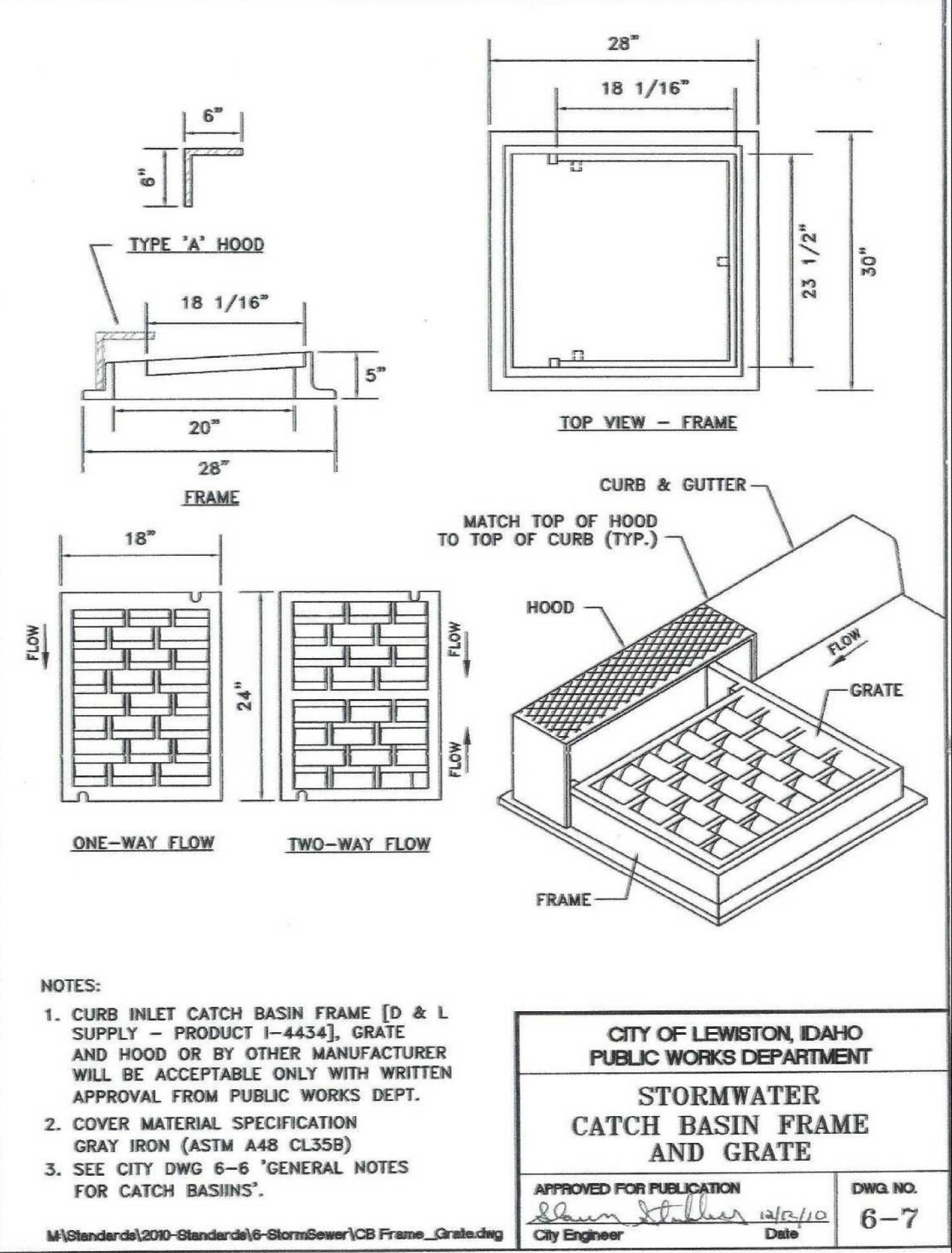
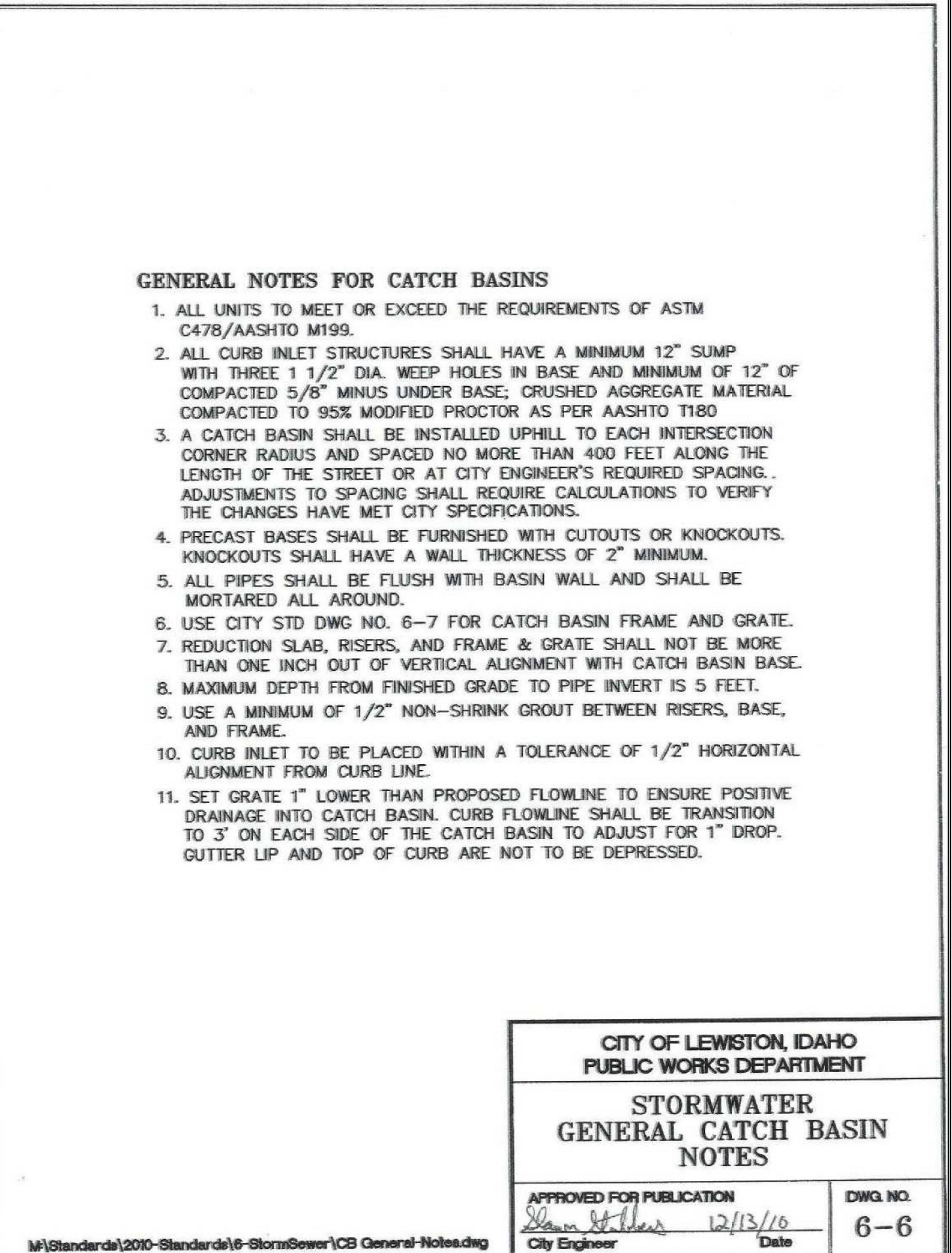
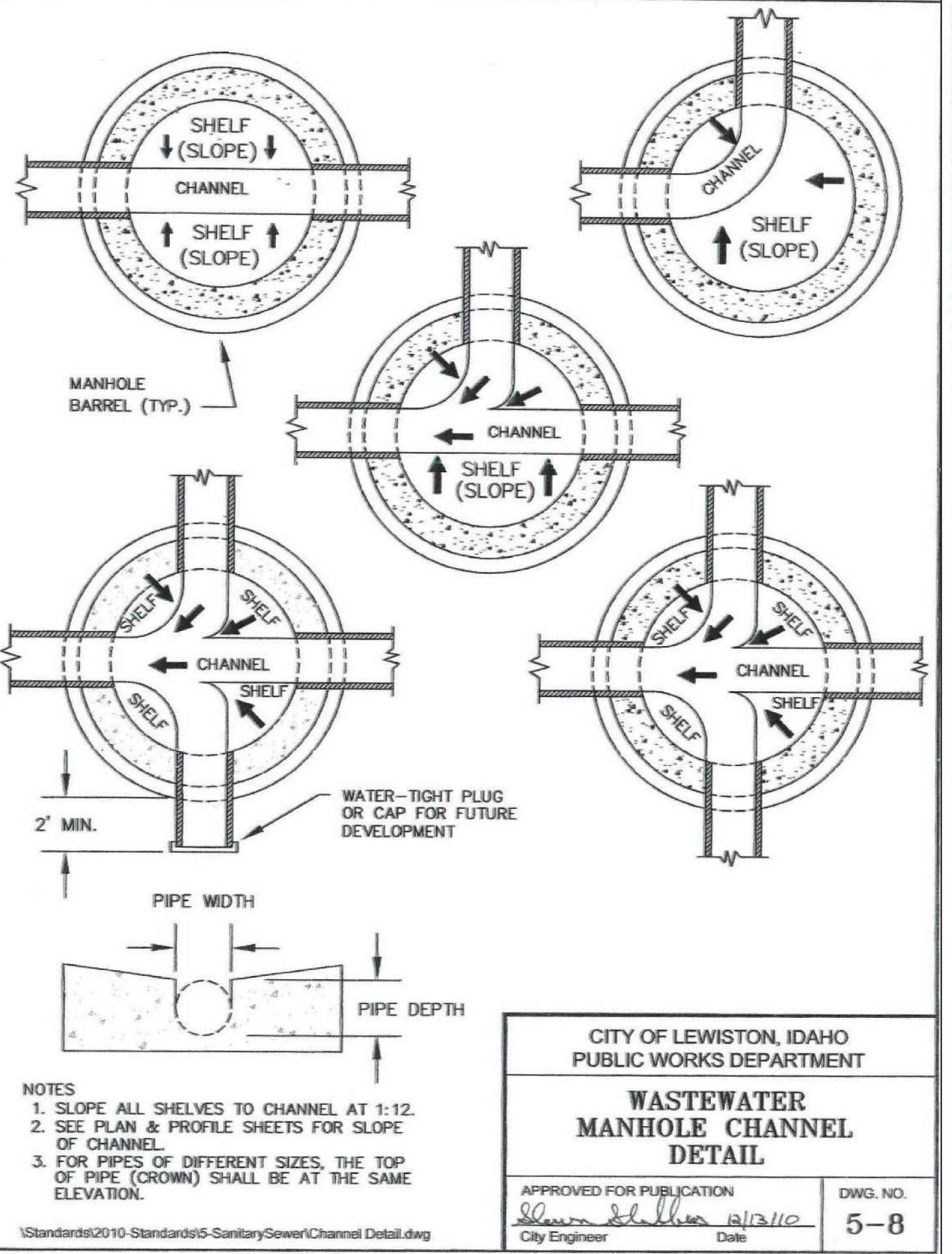
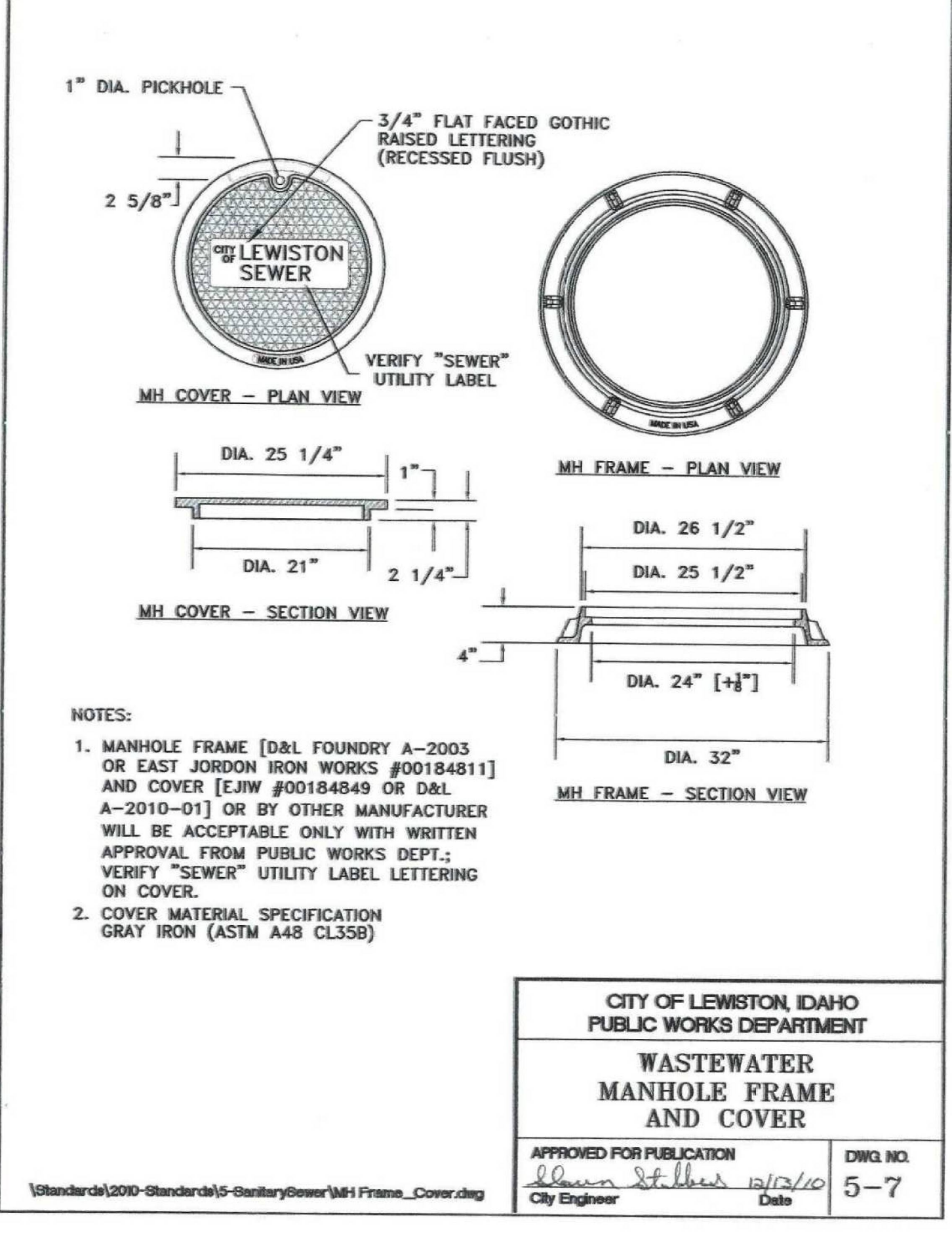
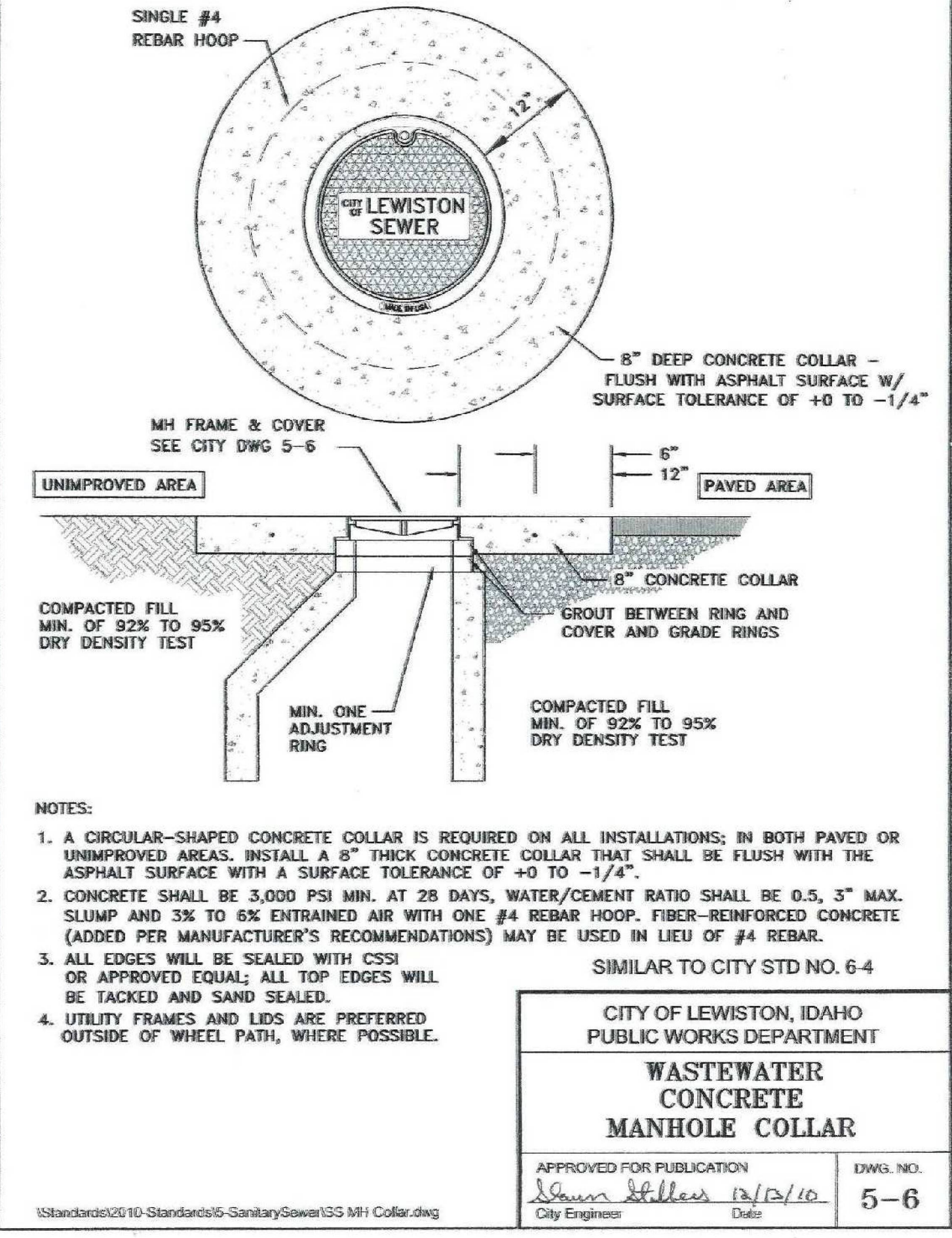
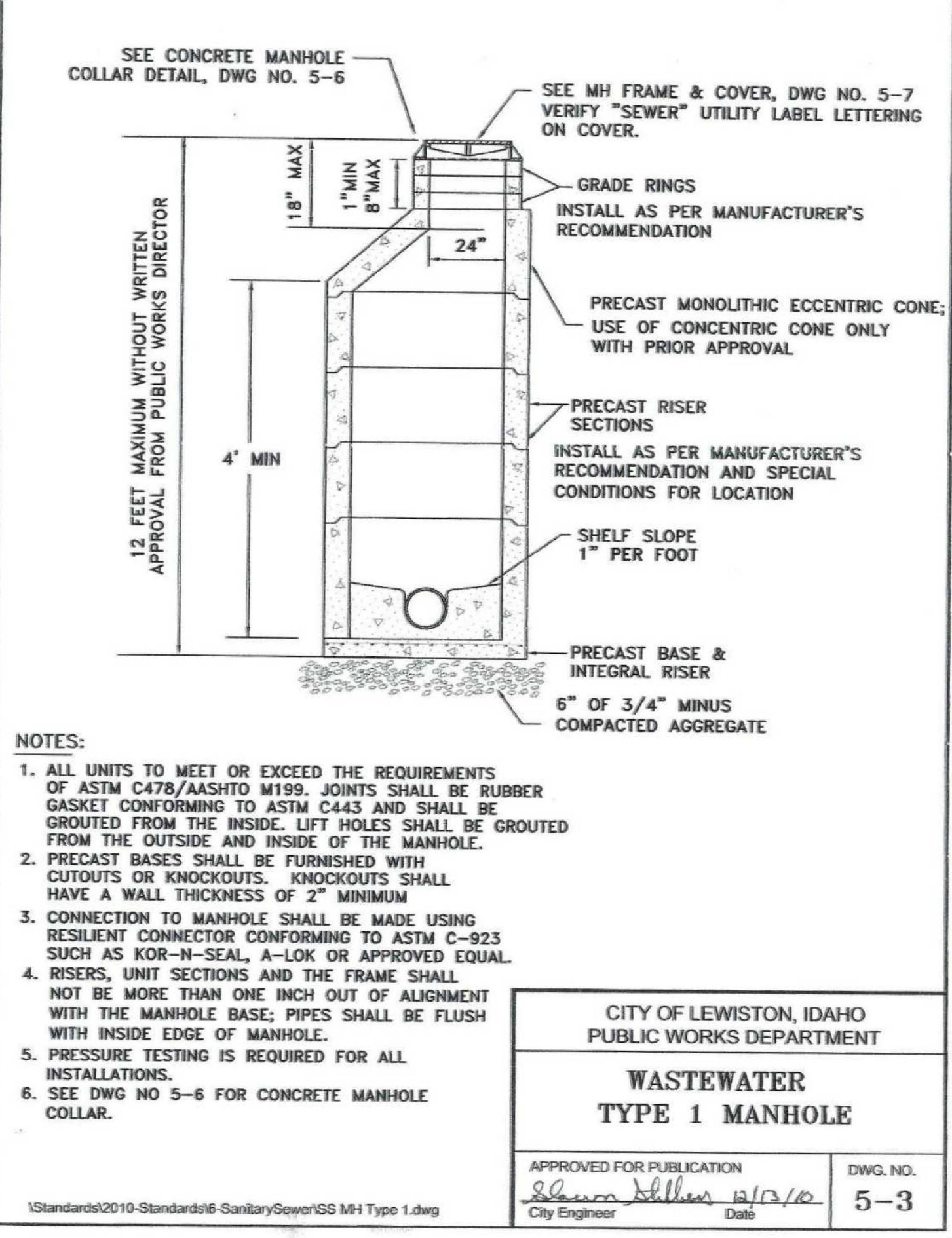
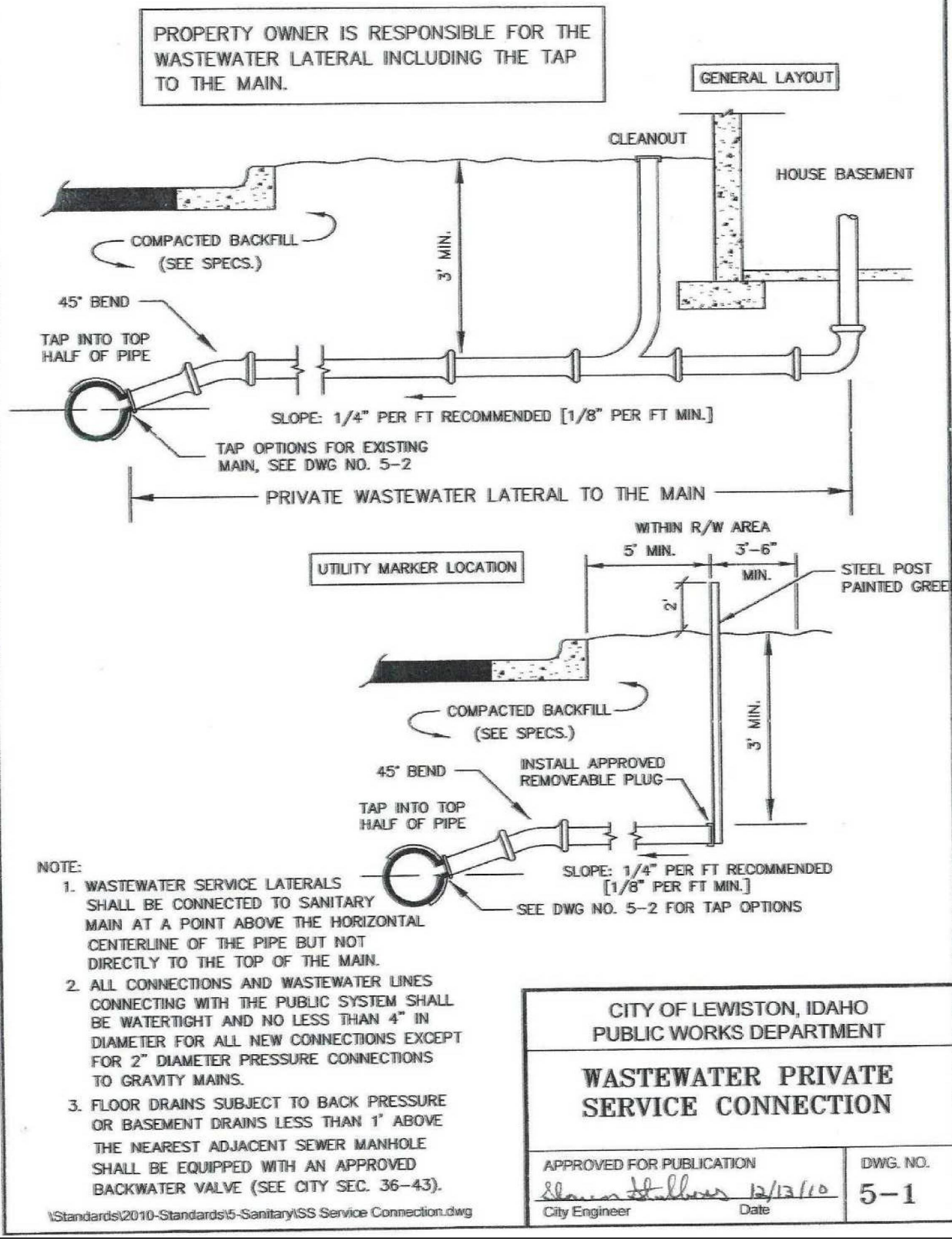
ORIGINAL DRAWING

4025 EAGLE COURT
LEWISTON, IDAHO 83501
FAX (208) 750-1082
TEL (208) 791-8605

**MACLINE
ENGINEERING & DRAFTING**
"an affordable alternative"

BLUE RIBBON
DRY CLEANING BUILDING
CITY DETAILS

DRAWN BY: CRF
DESIGNED BY: CRF
SCALE: NO SCALE
DATE: 12/20/16
PROJECT NO.: 00486
SHEET 11 OF 14



REVISIONS

NO.	DATE	BY	FILENAME

ORIGINAL DRAWING

4025 EAGLE COURT
LEWISTON, IDAHO 83501
PHONE (208) 750-0882
FAX (208) 751-8605

REGISTERED PROFESSIONAL ENGINEER
10962
STATE OF IDAHO
CHARLES R.

BLUE RIBBON
DRY CLEANING BUILDING
CITY DETAILS

DRAWN BY: CRF
CHECKED BY: CRF

DESIGNED BY: CRF

SCALE: NO SCALE

DATE: 12/20/16

PROJECT NO.: 00486

SHEET 13 OF 14

ITEM	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	DATE	INITIALS
1. ALL UTILITY TRENCHES & STRUCTURES							
TRENCH SUBGRADE	Native (6" to 8" Lifts Max.)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	90% Max. Dry Density	One in-place density test every lift per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].			
PIPE BEDDING	3/4" minus Crushed Aggregate (6" to 8" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	One in-place density test every lift per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive]. Test top 6" of 12" cover.			
1st FOOT (12") OF FILL OVER PIPE	3/4" minus Crushed Aggregate (6" to 8" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	One in-place density test every lift per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].			
TRENCH BACKFILL UNDER PROPOSED ROAD & SIDEWALK	3/4" minus Crushed Aggregate (6" to 8" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	One in-place density test every lift per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].			
STRUCTURAL FILLS	As Spec'd by Engineer	As Spec'd by Engineer		As Spec'd by Engineer			
2. STORM DRAIN MAINS							
GASKETED PE Storm Sewer Pipe	Polyethylene, ADS N-12 or Equal		Certified & Visual by City		Certified & Visual by City		
ALIGNMENT AND GRADE	N/A	Per Manufacturer's Instructions		Per Plan			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Per Manufacturer's Instructions		Each Joint			
PRESSURE TEST	N/A	4 PSI for 15 Minutes, 1/2 PSI Drop	If required by City Engineer	Between Access Holes			
MANHOLES	Concrete	City Standard		N/A	Certified & Visual by City		
VIDEO INSPECTION	N/A		Public Works Policy No 2012-2				
3. WATER MAINS							
DUCTILE IRON or PVC WATER MAIN	AWWA C-151, C-900, C-905 (Class as Req'd)		Certified & Visual by City		Certified & Visual by City		
ALIGNMENT AND GRADE	N/A	AWWA C-600, AWWA C-605		Per Plan			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	AWWA C-600, AWWA C-605		Each Joint			
THRUST BLOCKS	Concrete, 2500 PSI Mix	Per Approved Plans or City Std Dwg # 4-4		Each Joint	Certified & Visual by City		
HYDROSTATIC PRESSURE	N/A	2 Hrs. NTE Allowable Leakage Per AWWA C-600, AWWA C-605		150% Working Pressure OR 1 1/2 times the Working Pressure in the Water System			
CHLORINATION/BACTERIA	N/A	AWWA C-651		Bacterial Testing: two negative testing samples 24 hours apart	City of Lewiston		
4. WASTEWATER MAINS							
PVC WASTEWATER MAIN	PVC, SDR 35	ASTM 3034		N/A			
ALIGNMENT AND GRADE	N/A	N/A		Per Plan			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Per Manufacturer's Instructions		Each Joint			
MANHOLES	Concrete	Hydrostatic Test		Each Joint			
PRESSURE TEST	N/A	4 PSI for 15 Minutes, 1/2 PSI Drop		Between Access Holes			
VIDEO INSPECTION	N/A	No Perforations, Dents or Dimples, No Bellies > 0.02"	Public Works Policy No 2012-2	Between Access Holes			
5. CONCRETE CURB, GUTTER & SIDEWALK							
CONCRETE	CLASS 35B - Approved Mix Design Required with Min Cement Content of 560 LB/CY, Max Water/Cement Ratio of .44, a WRA, and an AEA	AASHTO T-22 Compressive Strength of Concrete AASHTO T-23 Making Test Specimens AASHTO T-119 Slump of Hydraulic Cement Concrete AASHTO T-152 Air Content of Freshly Mixed Concrete AASHTO T-309 Temperature of Freshly Mixed Concrete WAQTC TM-2 Sampling Freshly Mixed Concrete	Min. 28 day Compressive Strength = 3000 psi; Water/Cement Ratio shall be 0.5 lb/lb Max. Slump = 5 inches Air Content Percent = 6.5% ± 1.5 Temperature = 50°F - 80°F	1 of Each Test Minimum per Day, or 1 of Each Test per 50 CY			
CRUSHED AGGREGATE BASE COURSE	3/4" minus Crushed Aggregate (4" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (4" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	1 Tests Per 500 LF-Min 2 Tests			
ALIGNMENT AND GRADE	N/A	Visual	± 0.02" from Design Grade/Alignment	Per 10' Section	City Approval		
JOINTS/FLATNESS/STRAIGHTNESS	N/A	Visual	± 0.02/10' Segment	Per 10' Section			
FINISH	N/A	Visual	Floated, Uniform, Light Broom Finish	Entire Surface Area			
6. ASPHALTIC CONCRETE PAVING							
SUPERPAVE HOT MIX ASPHALT	ITD 405 Superpave Class SP2, SP3 and SP5 (2012 ITD Spec 405 and 703.05)	Class SP2: AASHTO T-306, Asphalt Content AASHTO T-27 & T-11, Sieve Analysis WAQTC TM-8, In-Place Density of Bituminous Mixes AASHTO T-209, Theoretical Maximum Density (RICE) Class SP3 and SP5: AASHTO T-306, Asphalt Content AASHTO T-27 & T-11, Sieve Analysis AASHTO T-166 Method A, Air Voids, and Voids in Mineral Aggregates (VMA) WAQTC TM-8, In-Place Density of Bituminous Mixes AASHTO T-209, Theoretical Maximum Density (RICE)	ITD Section 405.03 Asphalt Content - CJMF Value ± 0.3%, Sieve Analysis - Table 405.03-5 Air Voids = 4.0 ± 1.0% Voids in Mineral Aggregates, at N design 703.05 Minimum Value 0.05b Voids Filled with Asphalt - Table 703.05-1 ± 0.5 In-Place Density - 92-95% of Maximum Theoretical	1 Test Per 7.50 Ton, Minimum of 1 Test per Project, Random Sample Locations Determined by City Engineer.			
CRUSHED AGGREGATE BASE COURSE*	Same test requirement as under 5, Concrete Curb, Gutter & Sidewalk						
7. EROSION & SEDIMENT CONTROLS							
	Per Approved Plan	Per Plan and Manufacturers' Instructions		1/Wk or After Every Rainfall			
8. TRAFFIC CONTROL							
	Per Approved Plan	Current Adopted MUTCD/WATSSA		Continuous			
9. PRIVATE STORMWATER SYSTEM							
	Per Approved Plan	City Resolution #80-100	Certified & Visual by City		Certified & Visual by City - Underground infrastructure elements must be approved by City prior to backfill.		
10. RECORD DRAWINGS							
11. ENGINEER'S CERTIFICATION							
Date Last Revised September 2016							
List A							

NO.	DATE	BY	FILENAME	REVISIONS
1	10/20/16	CRF		NEW SHEET - CITY INSPECTION CHECKLIST
0				

4025 EAGLE COURT
LEWISTON, IDAHO 83501
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(208) 791-8605

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ENGINEERING & DRAFTING
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DRAWN BY:	CRF	CHECKED BY:	CRF
DESIGNED BY:	CRF		
SCALE:	NO SCALE		
DATE:	12/20/16		
PROJECT NO.:	00486		
SHEET 14	OF 14		