

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. ANACLINE ENGINEERING 4045 EAGLE CT. LEWISTON, ID 83501 PHONE: (208) 791-8055 email: anacline@aol.com

STANDARDS

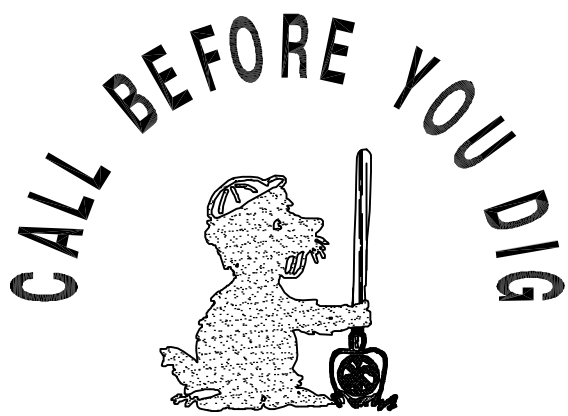
- 1) IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (LATEST ED.)
- 2) NATIONAL ELECTRIC COUNCIL & LOCAL ELECTRIC CODES
- 3) AMERICAN WATER WORKS ASSOCIATION STANDARDS
- 4) IDAPA 58 & 10 STATE STANDARDS
- 5) CITY, COUNTY & STATE CODES
- 6) INTERNATIONAL BUILDING CODE 2003
- 7) INTERNATIONAL FIRE CODE 2003
- 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 WITTERS	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



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

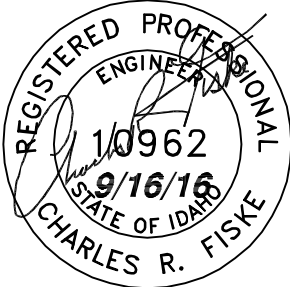
NOTE: THE ENGINEER OF RECORD IS REQUIRED TO
INSPECT THE INFRASTRUCTURE CONSTRUCTION TO
INSURE CONFORMANCE TO PLAN REQUIREMENTS. THE
CONTRACTOR WILL PROVIDE THE ENGINEER EVERY
FRIDAY, A SCHEDULE OF THE WORK TO BE PERFORMED
THE FOLLOWING WEEK. THE CONTRACTOR SHALL
PROVIDE ACCURATE REDLINE DRAWINGS FOR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



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(208) 791-8055

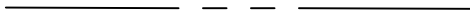
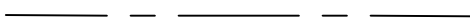
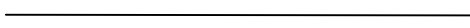
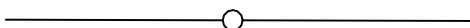
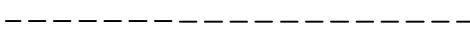
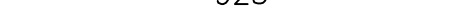
EROSION CONTROL LEGEND

CONSTRUCTION ENTRANCE 	A stone pad, located at points of vehicular ingress and egress on a construction site, to reduce the soil transportation onto public roads and other paved areas. Location may vary from plan location.
DUST CONTROL 	Reducing surface and air movement of dust during land disturbance, demolition or construction activities in areas subject to dust problems in order to prevent soil loss and reduce the presence of potentially harmful airborne substance.
STREET SWEEP 	Where construction vehicle access routes intersect public streets, provisions shall be made to minimize the transportation of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a public street surface, the road shall be cleaned thoroughly. Periodic street sweeping may be required. Street washing shall be allowed only after sediment is first removed by sweeping.
LANDSCAPING 	See Landscaping Plan

POINT LEGEND

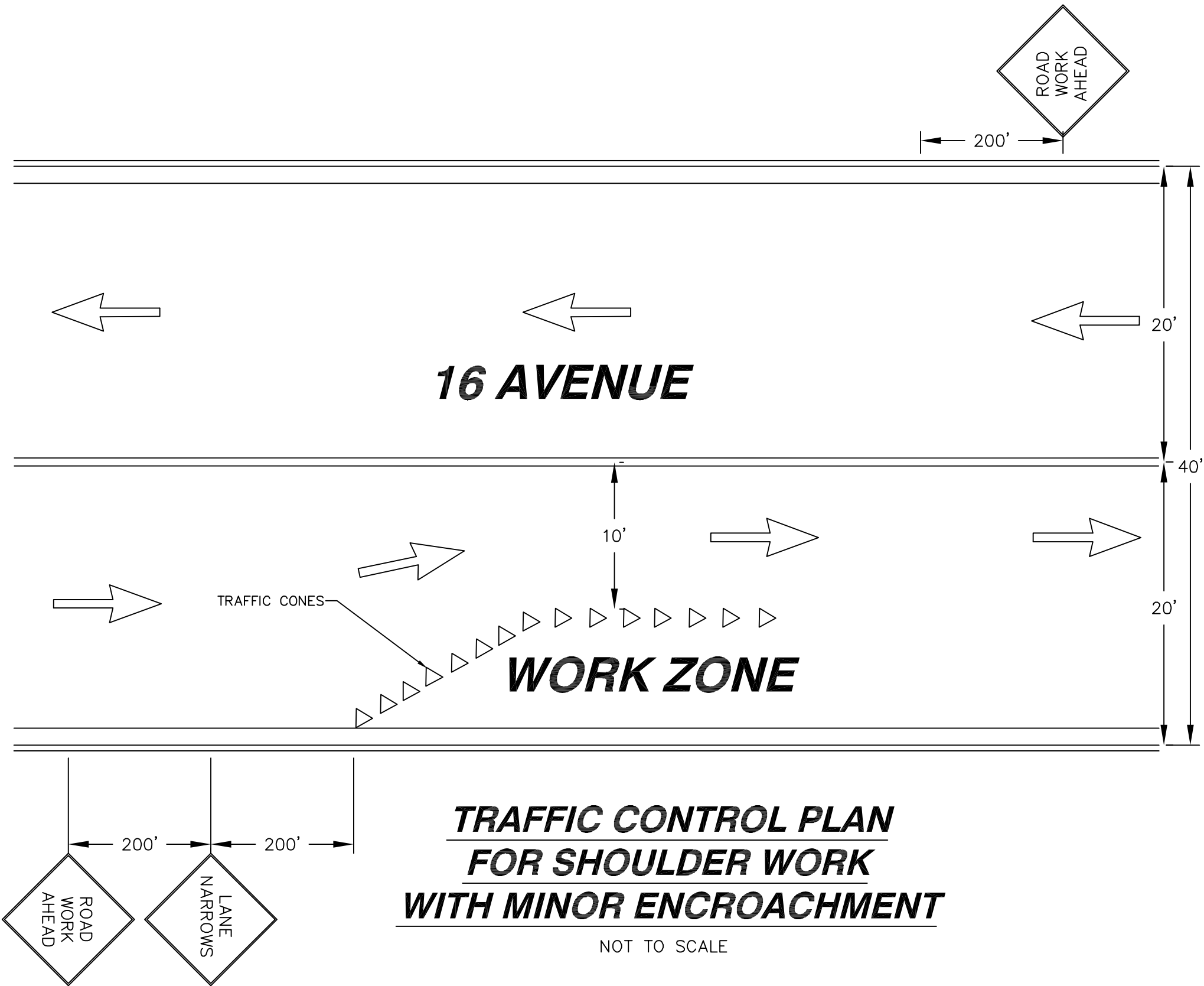
EG = EXISTING GRADE
FG = FINISH GRADE
TBW = TOP BACK OF WALL
BFW = BOTTOM FACE OF WALL
ACP = ASPHALT CEMENT PAVEMENT
CONC = CONCRETE
EXT = EXISTING
MON = MONUMENT
INV = INVERT
TBC = TOP BACK OF CURB
LIP = LIP OF CURB
RIM = RIM OF STRUCTURE

LEGEND

	PROPERTY BOUNDARY
	CENTERLINE
	EDGE OF PAVEMENT
	FENCE
	BREAK LINE
	TOP OF POND STORMWATER
	EXISTING GRADE CONTOUR
	FINISH GRADE CONTOUR
	UNDERGROUND PHONE
	ABANDONED UNDERGROUND PHONE
	OVERHEAD POWER
	UNDERGROUND GAS
	DOMESTIC WATER MAIN OR SERVICE
	CONDUIT
	SANITARY SEWER MAIN OR SERVICE
	STORM DRAIN LINE
	PROPOSED PAVEMENT SECTION
	PROPOSED CONCRETE FLATWORK
	TREE
	CONTROL POINT OR MONUMENT
	SIGN
	BOLLARD
	BUMPER BLOCK
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	GATE VALVE
	WATER METER
	FIRE HYDRANT
	BACK FLOW PREVENTOR / IRRIGATION VALVE BOX
	UTILITY BOX
	UTILITY POLE & ANCHOR
	LIGHT POLE
	CATCH BASIN WITH HOOD
	AREA DRAIN
	THRUST BLOCK FOR WATER MAIN JOINT
	POST INDICATOR VALVE

OPINION OF QUANTITIES

DEMOLITION
NOTIFICATION SIGN = 1 LS
TRAFFIC CONTROL = 1 LS
EROSION CONTROL = 1 LS
MATERIALS TESTING = 1 LS
REMOVE PEDESTRIAN MAIL BOX = 1 EA
REMOVE LIGHT POLE & ALL SITE ELECTRICAL = 1 EA
REMOVE HIGH BACK CURB & GUTTER = 14 FT
REMOVE FENCE = 504 LF
REMOVE TREES = 5 6 EA
REMOVE HIGH BACK CURB & GUTTER = 114 LF
RELOCATE STREET / STOP SIGN = 1 EA
REMOVE MANHOLE = 1 EA
STREET CUT FOR UTILITIES = 240 LF
SITE WORK
SITE CUT (INCLUDES CLEAR & GRUBB & SWALE) = 1,863 CY
INTERIOR PAVEMENT SECTION 4" ITD CL 3 ACP = 1,156 SY
INTERIOR PAVEMENT SECTION 10" OF 3/4"- ROCK = 1,156 SY
24TH PAVEMENT SECTION 4" ITD CL 3 ACP = 148 SY
24TH PAVEMENT SECTION 10" OF 3/4"- ROCK = 148 SY
6" THICK CONCRETE FLATWORK W/#3 REBAR 12" O.C. = 205 SY
4" THICK CONCRETE FLAT WORK = 128 SY
4" THICK 3/4"- AGGREGATE FOR CONCRETE SIDEWALKS = 128 SY
PEDESTRIAN RAMP WITH TACTILE WARNING STRIP = 1 EA
INLET APRON = 1 EA
HIGH BACK CURB & GUTTER = 46 FT
REINFORCED DEPRESSED CURB AND GUTTER = 111 FT
TRANSITION CURB AND GUTTER = 28 FT
TRANSFORMER PAD = 1 LS
BOLLARDS = 3 EA
SOUTH LANDSCAPE WALL = 1 LS
NORTH LOADING DOCK = 1 LS
SOUTH EAST LOADING DOCK = 1 LS
SOUTH EAST RETAINING WALL = 1 LS
LOADING DOCK STAIR WITH RAILS = 2 EA
SITE OBSCURING FENCE = 85 FT
4" WIDE WHITE STALL LINES = 312 LF
UTILITIES
2" CONDUIT = 336 LF
3/4" STANDARD WATER SERVICE CONNECTION = 1 EA
3/4" WATER SERVICE PIPE = 15.5 LF
10" TEE FOR FIRE LINE = 1 EA
POST INDICATOR VALVE = 1 EA
45" ELBOW FOR FIRE LINE = 1 EA
C900 CLASS 150 FIRE LINE = 95 FT
WATER METER ASSEMBLY = 1 EA
IRRIGATION VALVE BOX & IRRIGATION VALVE MANIFOLD = 1 EA
IRRIGATION VALVE BOX & BACK FLOW PREVENTOR = 1 EA
INSTALL CATCH BASIN WITH CAST IRON FRAME & GRATE = 6 EA
INSTALL CITY CATCH BASIN WITH CAST IRON HOOD = 1 EA
12" PVC C900 CL150 STORM PIPE = 30 FT
4" FOUNDATION PERIMETER DRAIN WITH SOCK = 422 FT
4" PVC SDR 35 STORM PIPE = 69 FT
4" PVC SDR 35 ROOF DRAIN PIPE = 330 FT
8" PVC SDR 35 STORM PIPE = 187 FT
SECURED NEMA 4 PUMP CONTROL-ALARM PANEL = 1 EA
800 CF CONTECK STORMWATER INFILTRATION SYSTEM = 1 LS
1000 GAL SAND/OIL SEPARATOR ASSEMBLY = 1 EA
STORMWATER PUMP WITH FLOAT CONTROLS = 1 LS
2" SDR 7 PIPE = 18 FT
2"x4" INCREASOR = 1 EA
4" PVC SDR 35 PIPE W/ 1'X1' CONCRETE OUTLET PAD = 5 FT
INSTALL SEWER MANHOLE = 2 EA
8" PVC C900 CL150 FOR SEWER MAIN = 200 FT
8"x4" SANITARY SEWER WYE = 1 EA
4" PVC SDR35 SEWER PIPE = 116 LF
4" CLEANOUT WITH CAST IRON FRAME & COVER = 1 EA
TRENCH FOR GAS SERVICE LINE = 102 FT
STREET PATCH BACK = 240 FT
ADD ALTERNATE #1 WEST SIDE OF 24TH
SITE CUT = 57 CY
24TH PAVEMENT SECTION 4" ITD CL 3 ACP = 148 SY
24TH PAVEMENT SECTION 10" OF 3/4"- ROCK = 148 SY
HIGH BACK CURB & GUTTER = 71.5 FT
NOTES
1) ALL VOLUMES ARE COMPACTED VOLUMES, LENGTHS ARE PLAN VIEW UP TO THE BUILDING LINE.
2) THE CONTRACTOR SHALL SATISFY FOR THEMSELVES THE QUANTITIES REQUIRED TO COMPLETE THIS PROJECT.
3) ITEMS NOT LISTED ARE INCIDENTAL



C4 GRADING NOTES

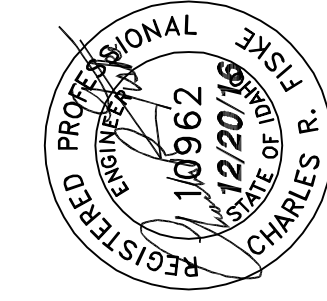
- 1) PREPARATION OF GROUND: THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NON-COMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIALS. SCARIFYING TO PROVIDE A BOND WITH THE NEW FILL AND, WHERE SLOPES ARE STEEPER THAN FIVE TO ONE AND THE FILL HEIGHT IS GREATER THAN 5 FEET, BY BENCHING INTO COMPETENT MATERIAL. THE BENCH UNDER THE TOE OF A FILL ON A SLOPE STEEPER THAN A FIVE TO ONE SHALL BE AT LEAST 10 FEET WIDE. WHEN FILL IS TO BE PLACED OVER CUT, THE BENCH OVER THE TOE OF FILL SHALL BE AT LEAST 10 FEET WIDE BUT THE CUT SHALL BE MADE BEFORE THE FILL AND SHALL BE SUITABLE FOUNDATION FOR FILL.
- 2) FILL MATERIAL: DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILL.
- 3) COMPACTION: ALL STRUCTURAL FILLS (UNDER RESIDENTIAL LOTS, BUILDINGS, AND PAVEMENT OR CONCRETE) SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY ACCORDING TO ASTM D1557 (MODIFIED PROCTOR). THE TOP 6 INCHES OF ALL ROAD SUBGRADES SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY. NON STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 85% OF MAXIMUM DENSITY ACCORDING TO ASTM D1557 (MODIFIED PROCTOR). ALL FILLS MUST BE CERTIFIED AS MEETING THESE SPECIFICATIONS BY A PROFESSIONAL ENGINEER. COMPACTION TESTS SHALL BE TAKEN ON EACH LIFT (MAXIMUM 8" LOOSE DEPTH IN STRUCTURAL FILLS AND 12" MAXIMUM LOOSE DEPTH IN NON STRUCTURAL FILLS) OF FILL PLACED.
- 4) TESTING: THE CONTRACTOR SHALL HIRE A MATERIAL TESTING LAB TO PERFORM MATERIALS TESTING OR OBSERVED TESTING (FOR ROCK FILL) AND PROVIDE THE TESTING RESULTS TO THE ENGINEER FOR REVIEW.

C5 UTILITY NOTES

- 1) SPRINKLER SYSTEM BY CONTRACTOR.
- 2) THE EXISTING UTILITY LOCATIONS SHOW WHERE DETERMINED BY COLLECTING EXISTING UTILITY DRAWINGS FROM VARIOUS UTILITY ENTITIES, CALLING IN A UTILITY LOCATE AND THEN MAPPING THE UTILITY LOCATES. THEREFOR, ANACLIN ENGINEERING PLLC DOES NOT WARRANTY THE ACCURACY OF THE INFORMATION PROVIDED AND PERFORMED BY OTHERS.

C5 CONDUIT SPECIFICATIONS

- 1) ALL CONDUIT IS 2" SCHEDULE 40 GRAY PVC
- 2) CONDUIT BENDS AND SWEEPS ARE 24"
- 3) MINIMUM SEPARATION DISTANCE TO WATER, STORM, SANITARY UTILITIES IS 2' FROM EDGE OF PIPE.
- 4) CONDUITS MAY BE PUT IN A COMMON TRENCH. CONDUIT ROUTES ARE DRAWN FOR CLARITY. CONTRACTOR SHALL ADJUST COMMON TRENCH LOCATION TO AVOID CONFLICTS WITH OTHER UTILITIES AND TO MAINTAIN MINIMUM SEPARATION REQUIREMENTS.

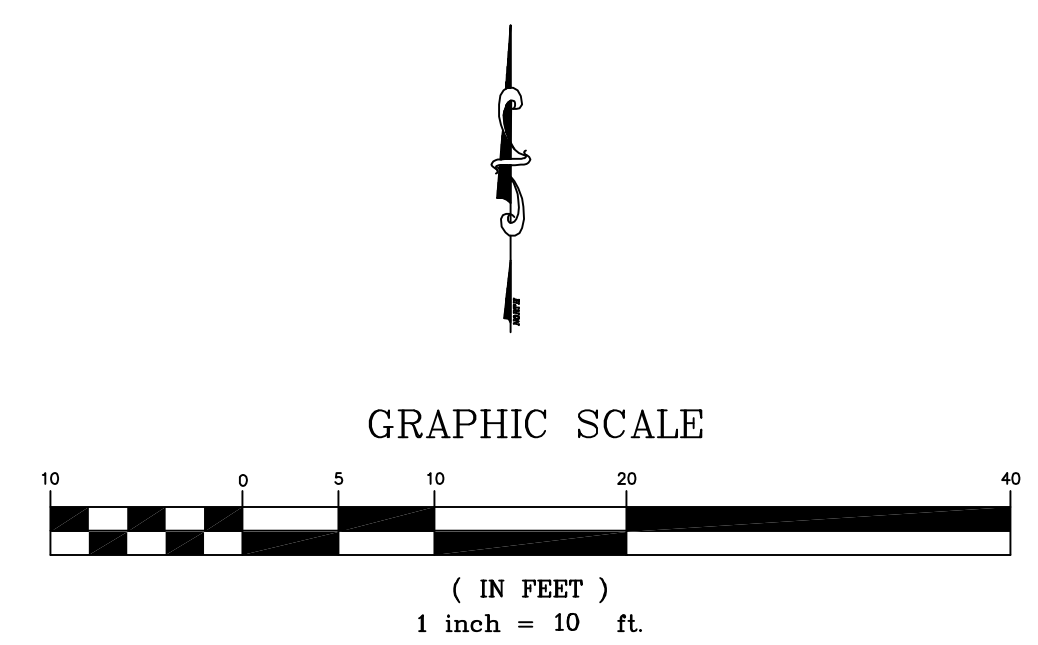


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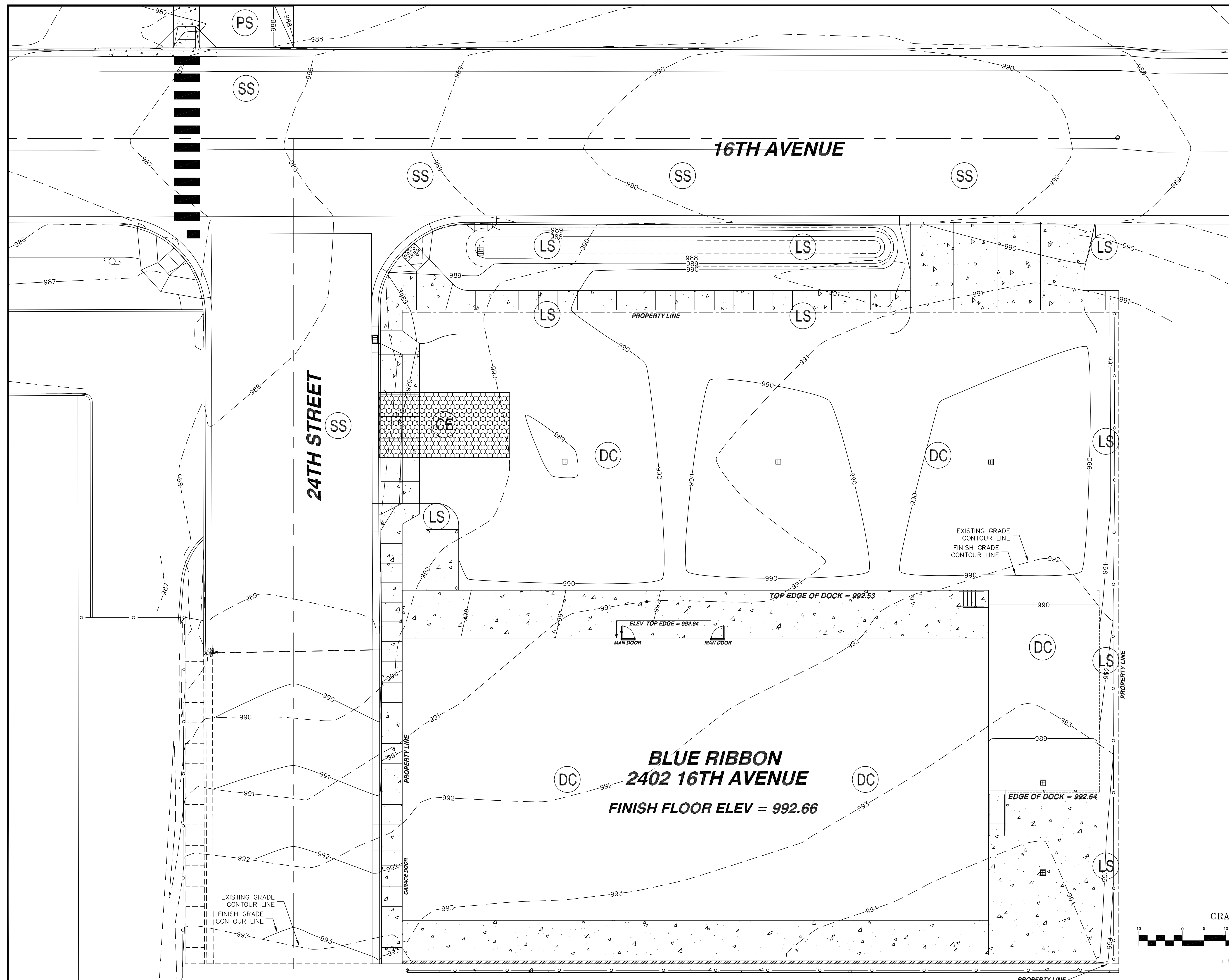
BLUE RIBBON LINEN
DRY CLEANING BUILDING
TRAFFIC CONTROL PLAN
EROSION CONTROL PLAN

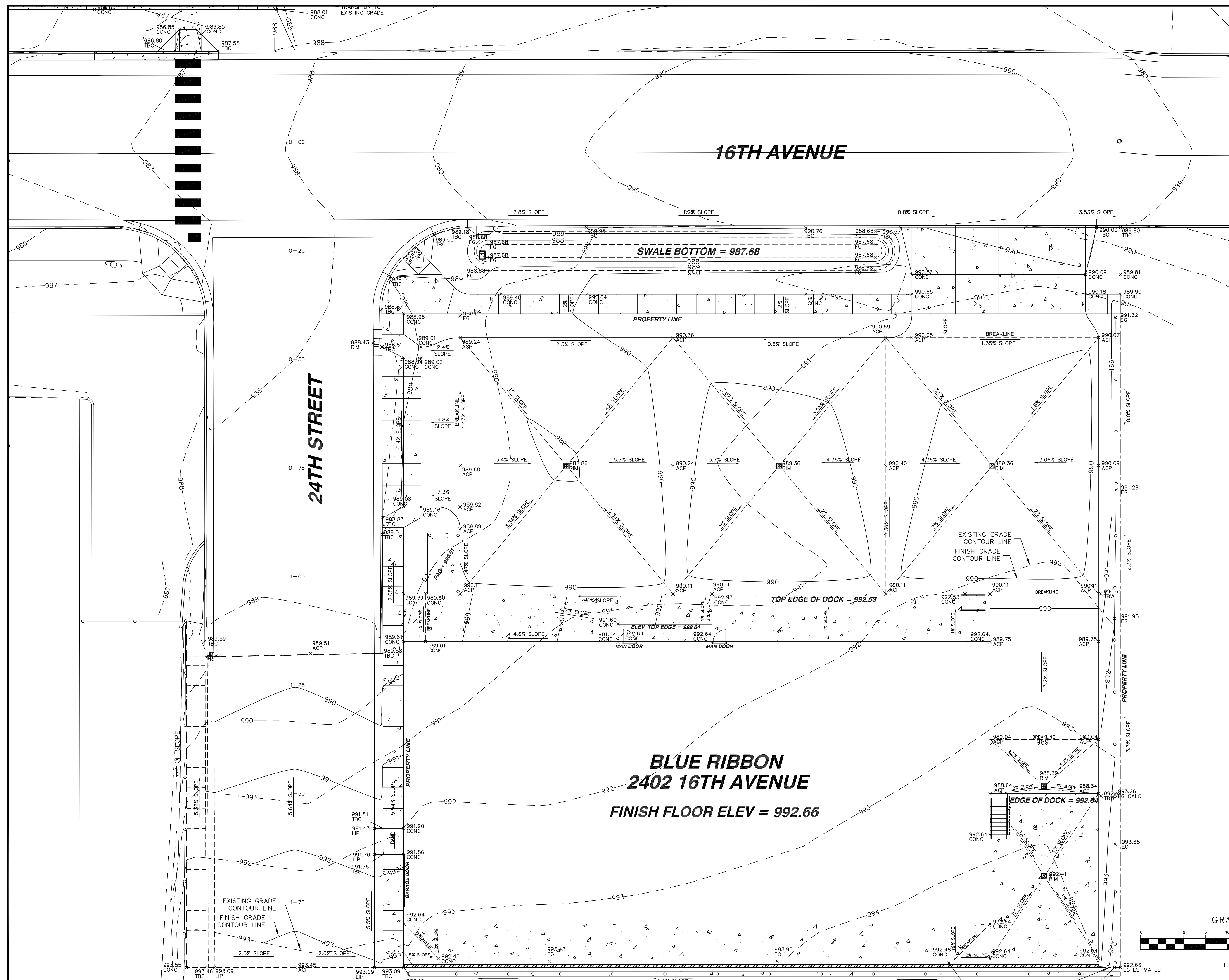
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PROJECT NO.: 00486	
SHEET 2	OF 14



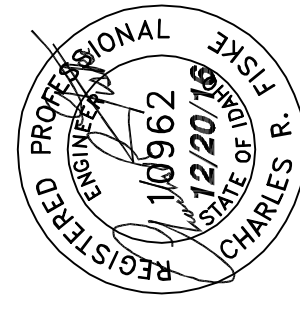
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PROJECT NO.: 00486	
SHEET 3 OF 14	

NO.	DATE	BY	FILENAME	REVISIONS
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0			00466	ORIGINAL DRAWING

[illegible]



NO.	DATE	BY	FILENAME	REVISIONS
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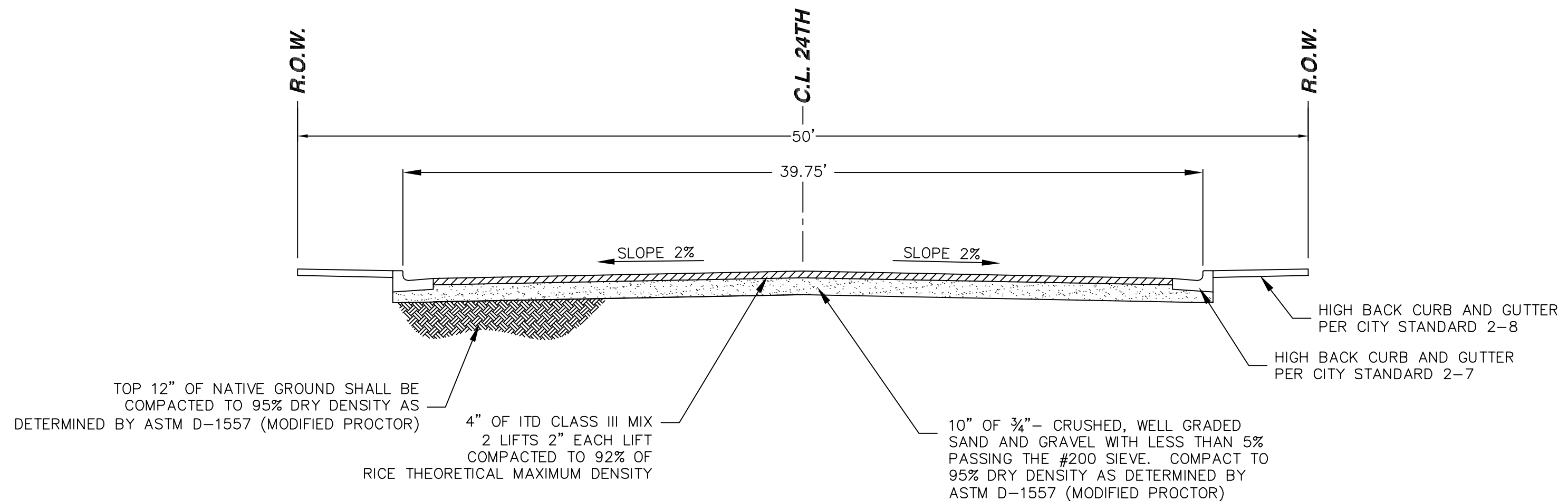
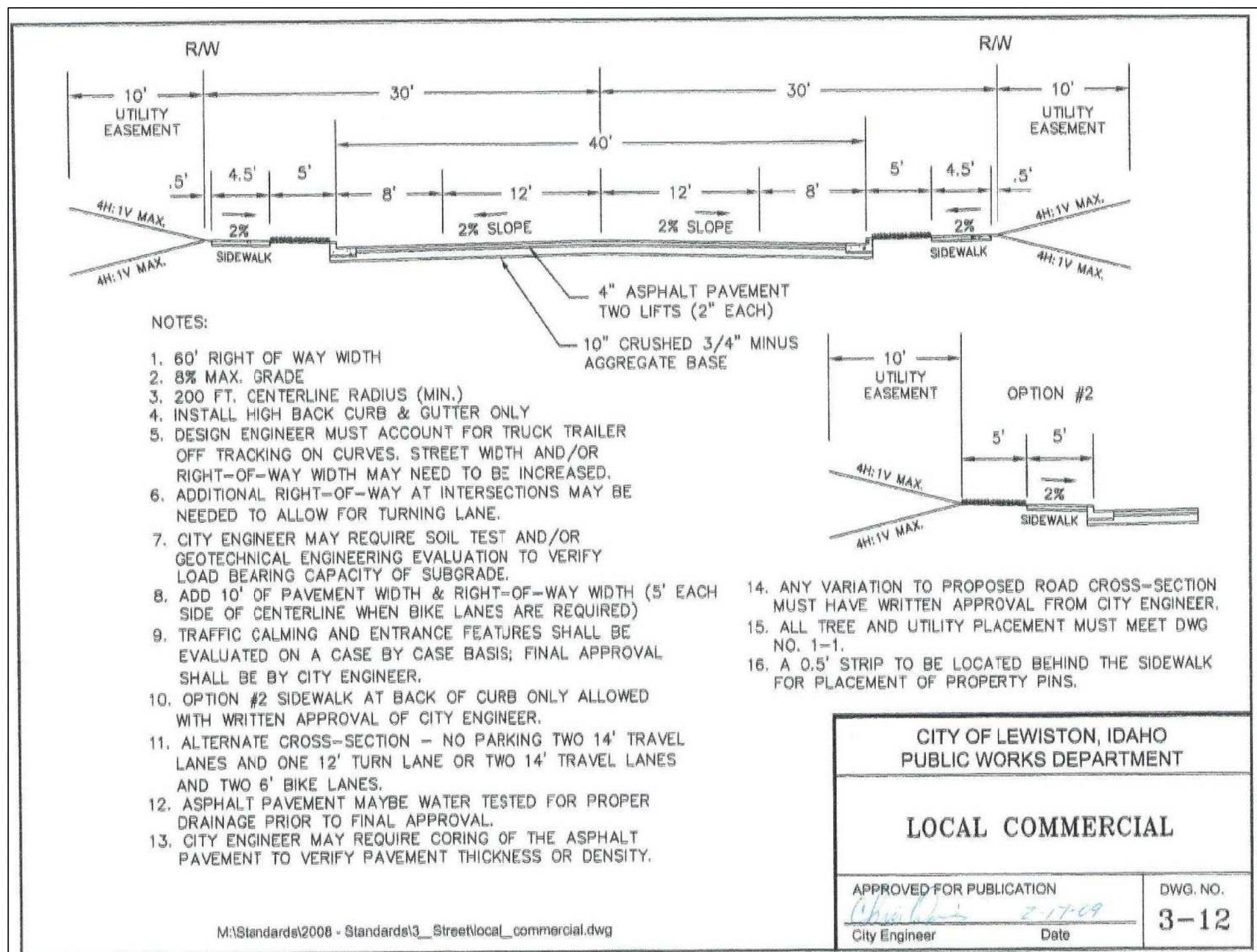
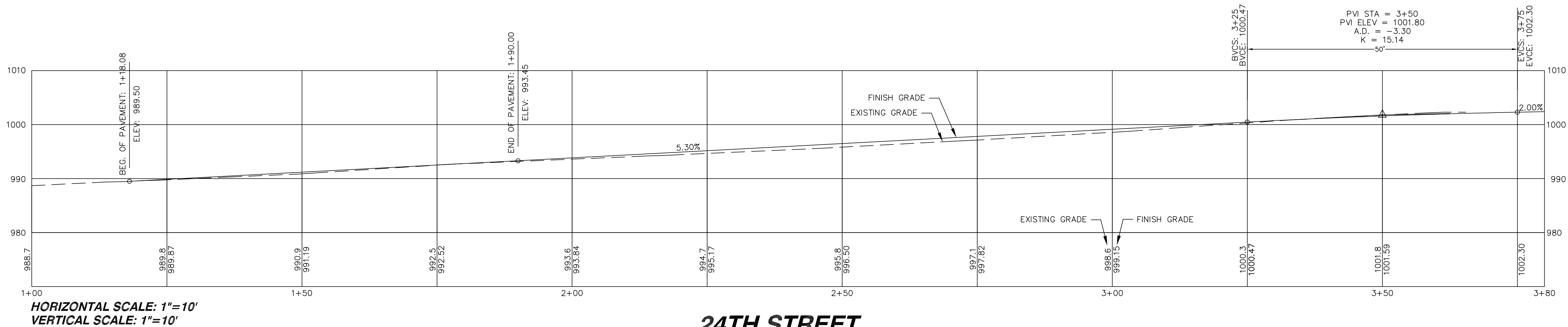
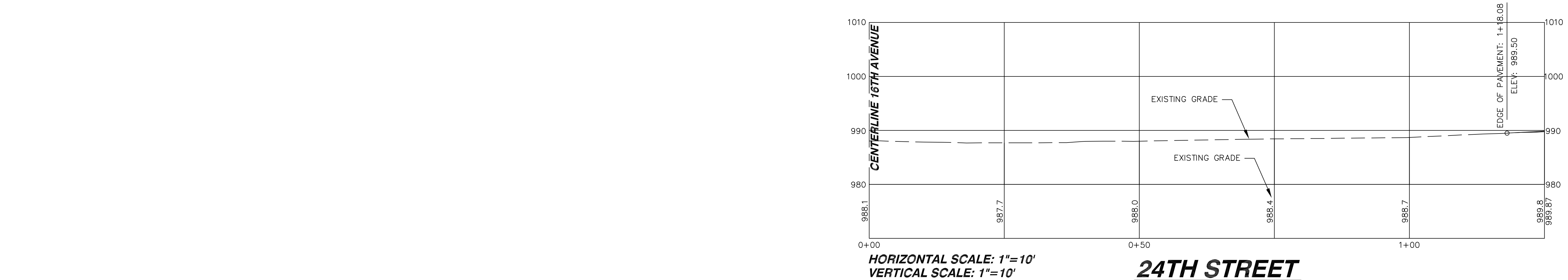
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BLUE RIBBON LINEN
DRY CLEANING BUILDING
GRADING PLAN

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SHEET 5 OF 14	

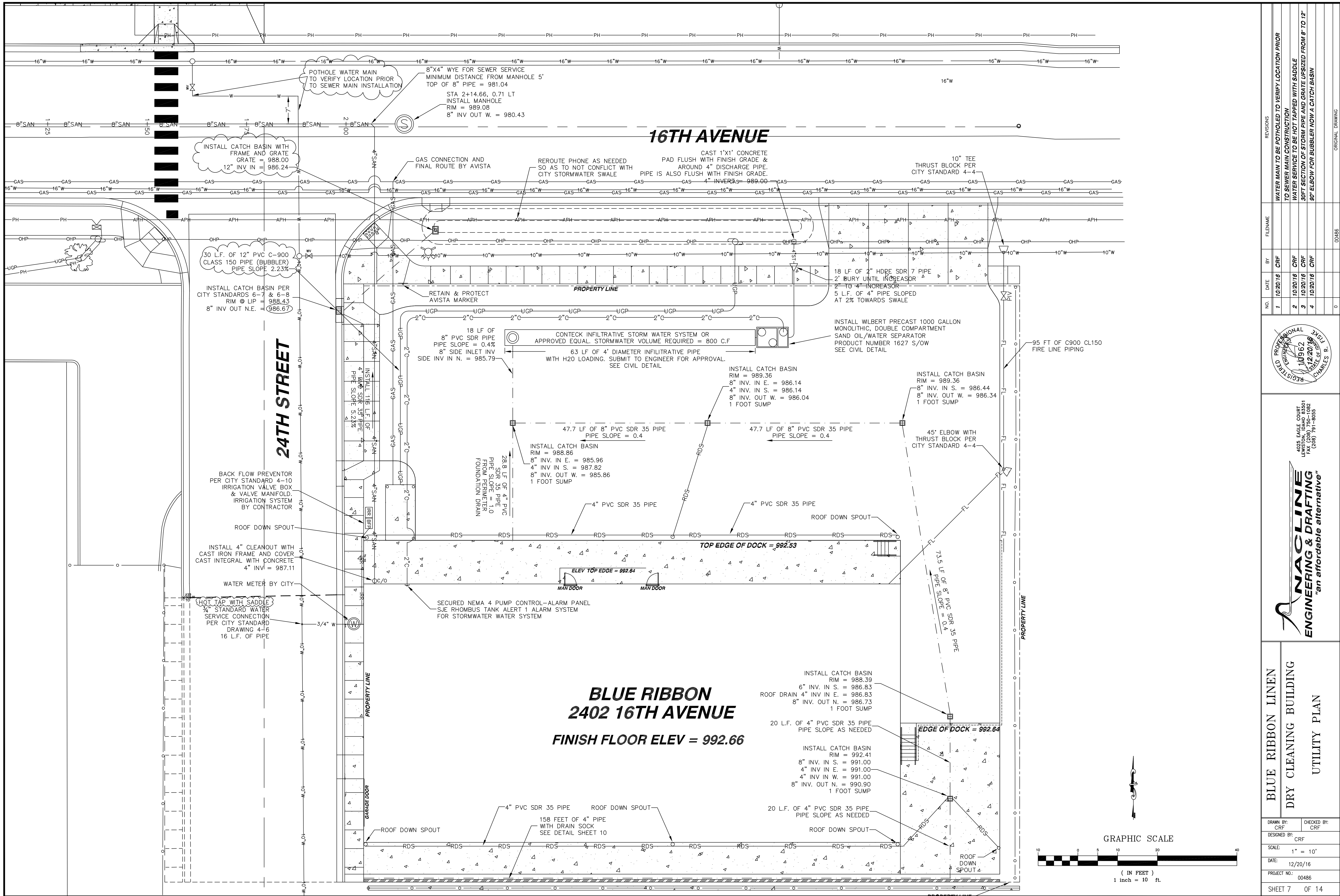


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ORIGINAL DRAWING		00486			

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NACLINE ENGINEERING & DRAFTING "an affordable alternative"	BLUE RIBBON LINEN DRY CLEANING BUILDING 24TH STREET PROFILE MODIFIED SECTION 3-12
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SHEET 6 OF 14	



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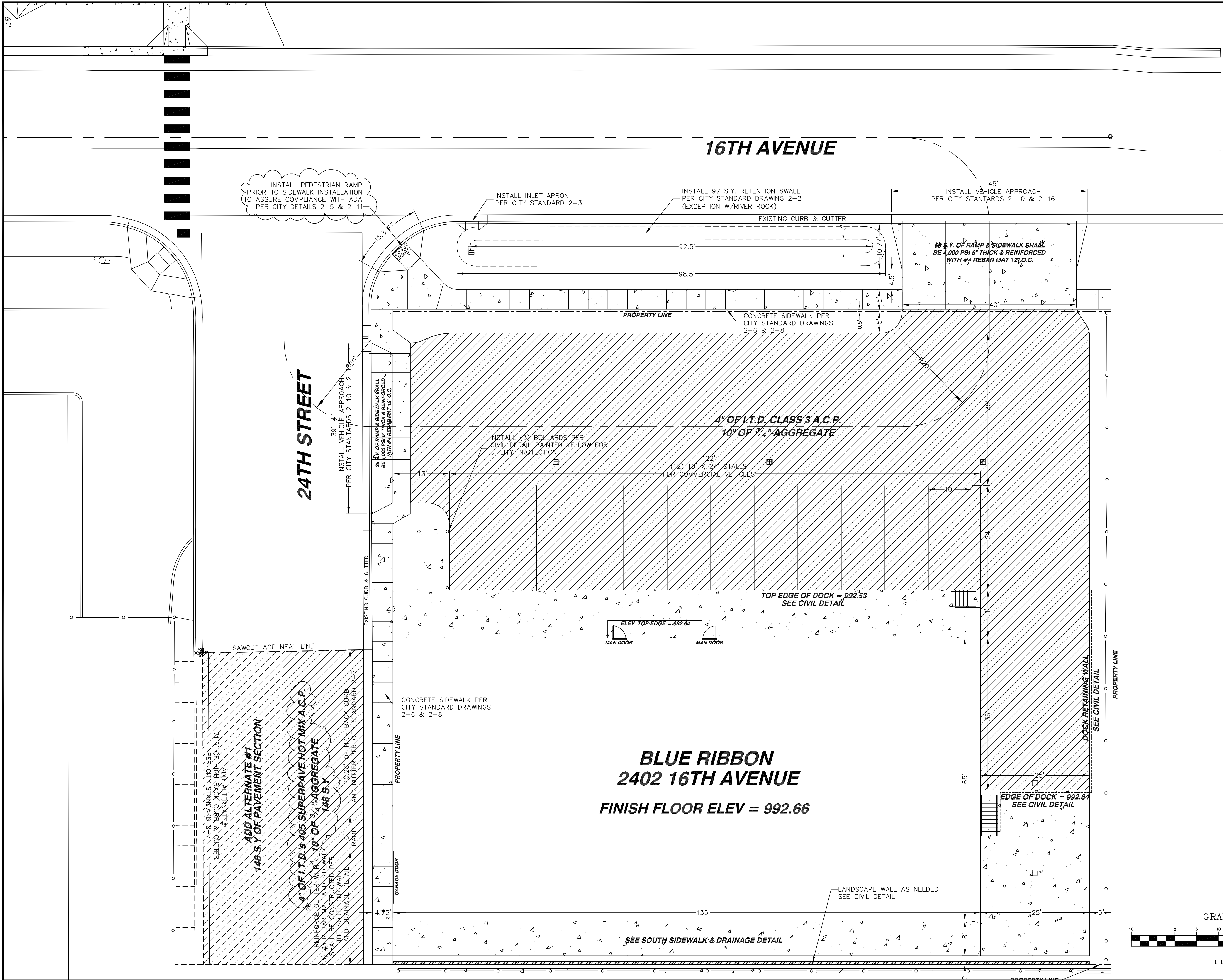
REGISTERED PROFESSIONAL ENGINEER
10962
STATE OF IDAHO
CHARLES R. JOHNSON

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LEWISTON, IDAHO 83501
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BLUE RIBBON LINEN	DRY CLEANING BUILDING	UTILITY PLAN
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SHEET 7	OF 14



BLUE RIBBON LINEN
DRY CLEANING BUILDING
CIVIL PLAN

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(208) 791-8035

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

REVISIONS

NO.	DATE	BY	FILENAME
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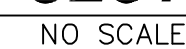
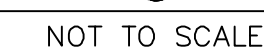
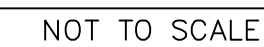
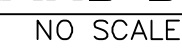
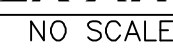
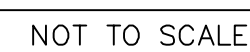
WATER MAIN TO BE POTHoled TO VERIFY LOCATION PRIOR TO SEWER MAIN CONSTRUCTION
ADA RAMP TO BE INSTALLED PRIOR TO SIDEWALK INSTALLATION
TO ASSURE COMPLIANCE WITH ADA STANDARDS

04486 ORIGINAL DRAWING

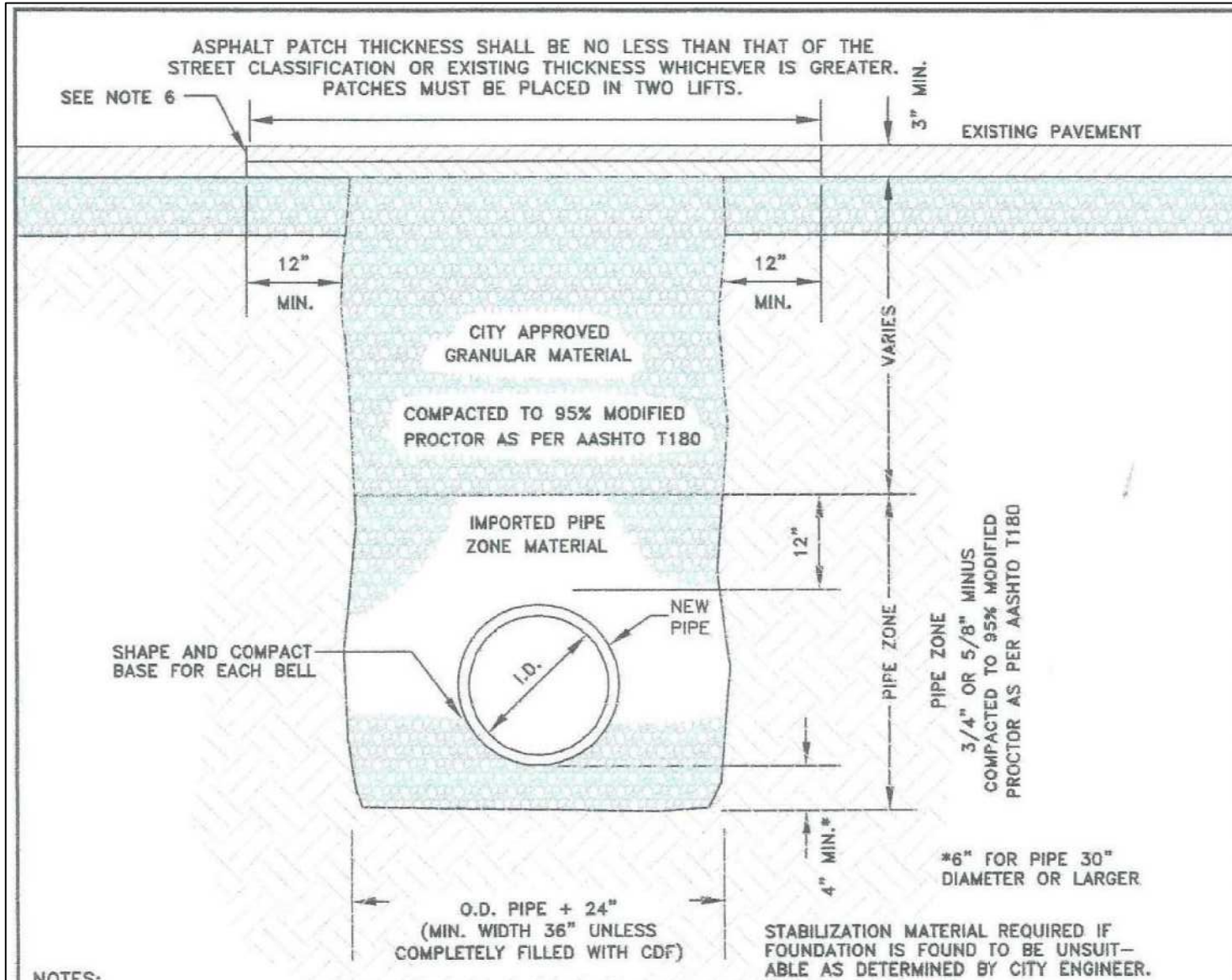
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PROJECT NO.: 00486
SHEET 9 OF 14

CHECKED BY: CRF

GRAPHIC SCALE
(IN FEET)
1 inch = 10 ft.



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DATE: 12/20/16	
PROJECT NO.: 00486	
SHEET 10 OF 14	

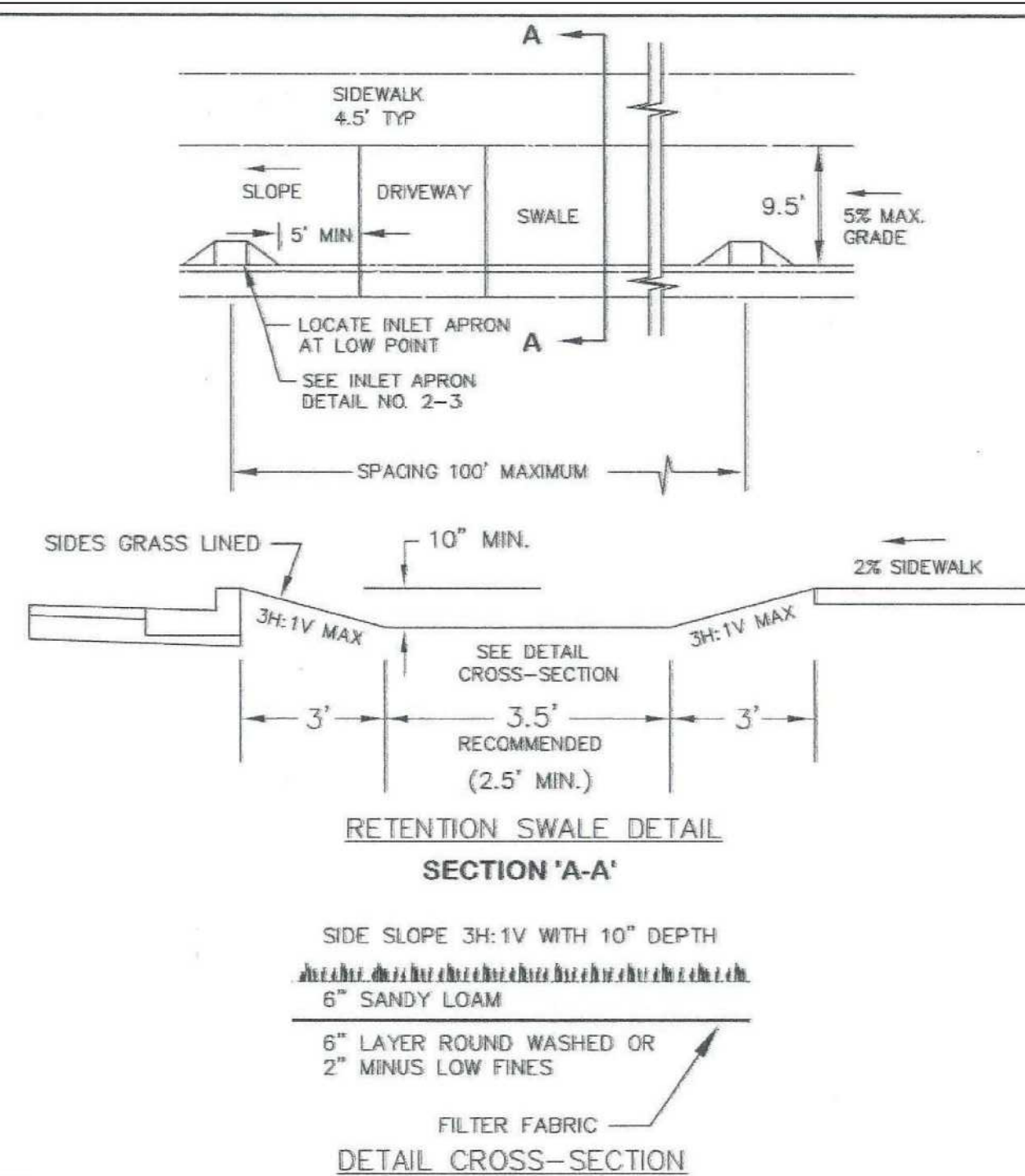


- NOTES:
1. CONTRACTOR SHALL COMPLY WITH THE MOST CURRENT OSHA REQUIREMENTS FOR EXCAVATIONS.
 2. ALL TRENCHES EXCAVATED WITHIN EXISTING PAVED STREETS SHALL BE BACKFILLED AND SURFACED THE SAME DAY WITH A 2" THICK COMPACTED COLD MIX ASPHALT PATCH (SMOOTH) - TO BE REPLACED WITH THE CITY'S STANDARD 4" HOT MIX ASPHALT SURFACING AS SOON AS SCHEDULING ALLOWS; UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE CITY ENGINEER.
 3. 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.
 4. 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.
 5. AFTER BACKFILLING TRENCH REMOVE ALL BROKEN OR LOOSE ASPHALT OR CONCRETE BEYOND THE INITIAL TRENCH.
 6. PATCH CANNOT OVERLAP ANOTHER PARALLEL PATCH AND CANNOT LEAVE EXISTING ASPHALT LESS THAN 36" WIDE.
 7. JOINTS TO BE TACKED AND SANDED WITH EMULSIFIED TACK.
 8. SPECIFICATIONS REGARDING PIPE BEDDING AND TRENCH BACKFILL WILL FOLLOW ISPCW SECTION 305 AND 306, UNLESS ABOVE STANDARDS ARE MORE RESTRICTIVE.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

BACKFILL-
CLASS 'P'

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
1-7

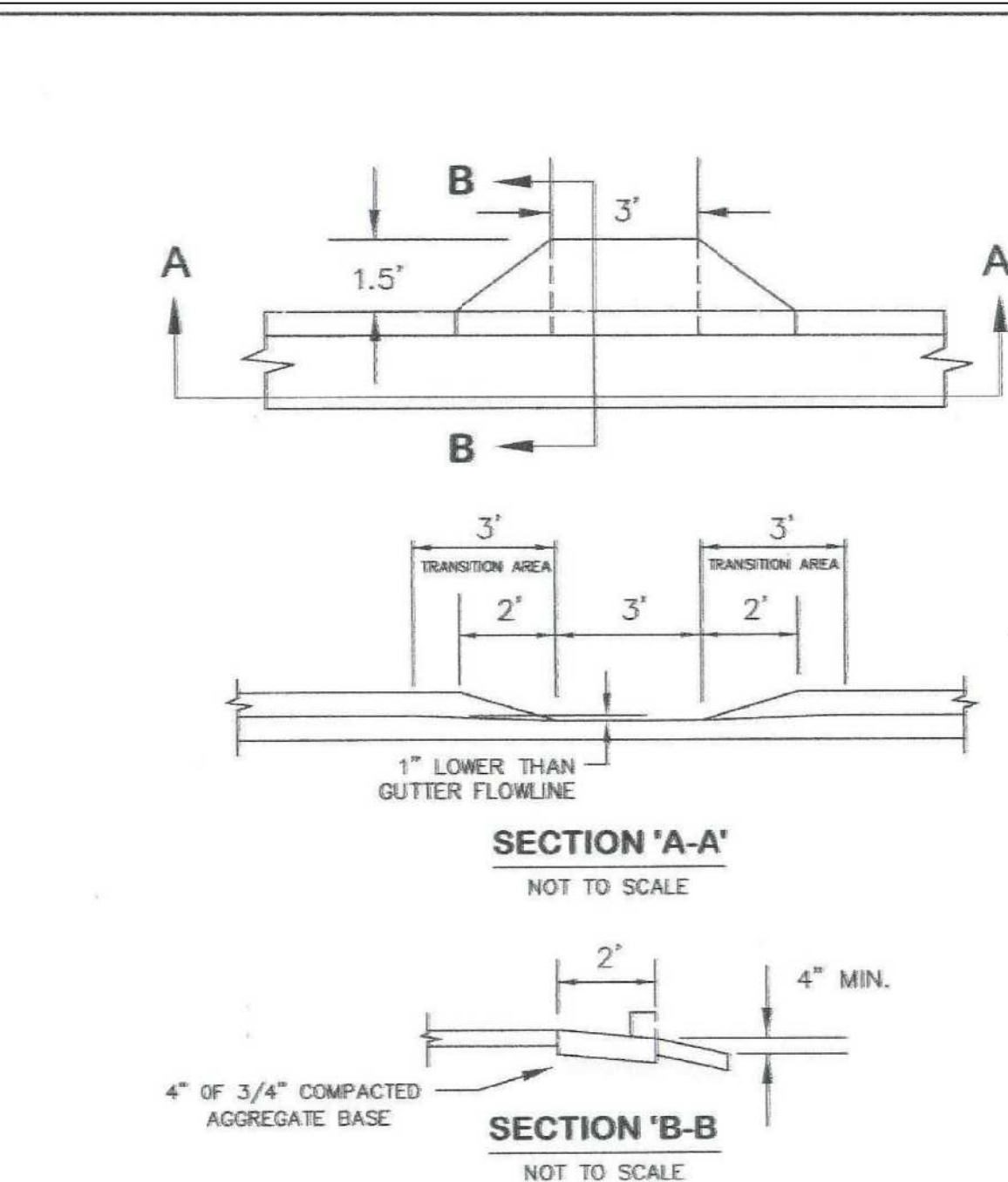


- NOTES:
1. SIDE SLOPES SHALL BE MAXIMUM OF 3:1V
 2. ALL SWALES SHALL HAVE A MINIMUM INFILTRATION RATE OF 0.5"/HR. GEOTECH REPORT IS REQUIRED TO INDICATE PERCOLATION WILL OCCUR WITHIN 48 HOURS.
 3. SEE INLET APRON DETAIL DWG NO. 2-3
 4. INLET APRON SHALL BE INSTALLED AT THE SAME TIME AS DRIVEWAY APRON AND ON THE LOWER SIDE OF DRIVEWAY APRON.
 5. ONLY ON CUL-DE-SAC ROADWAYS LESS THAN 500' (SEE CITY DETAIL NO. 3-5) THE WIDTH OF THE SWALE MAYBE REDUCED.
 6. 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
City Engineer
Date
DWG. NO.
2-2

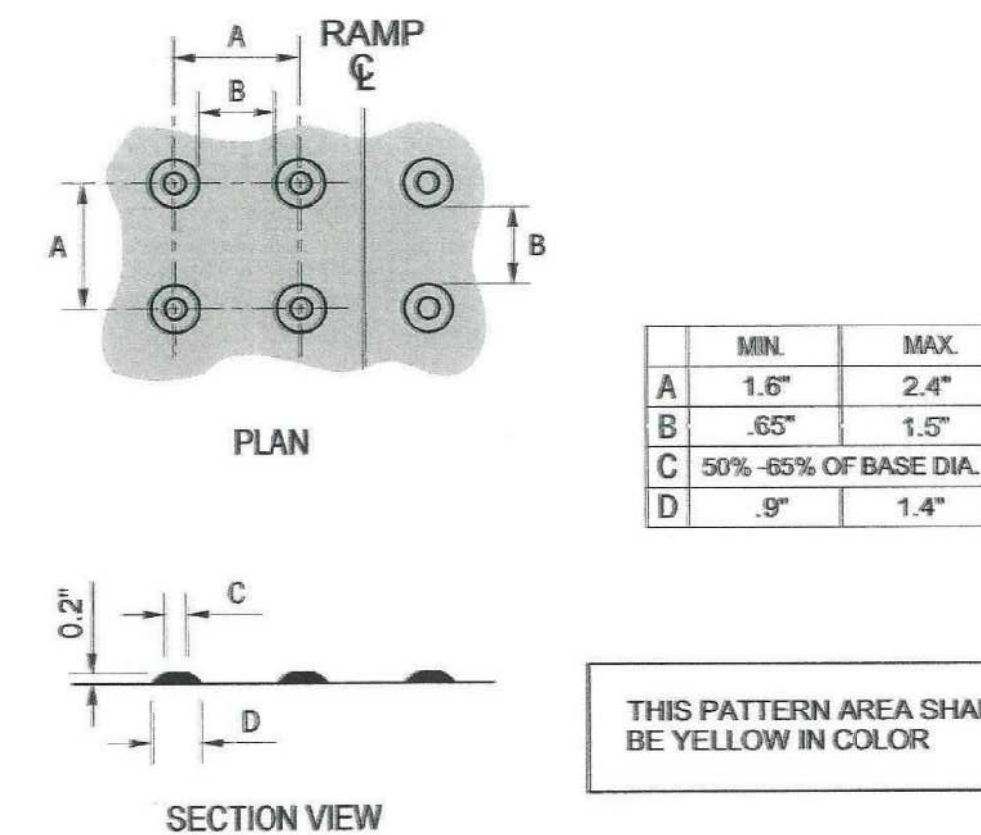


- NOTES:
1. SET APRON ENTRANCE 1" LOWER THAN PROPOSED FLOWLINE TO ENSURE POSITIVE DRAINAGE INTO CATCH BASIN. CURB FLOWLINE SHALL BE TRANSITION TO 3" ON EACH SIDE OF INLET APRON TO ADJUST FOR 1" DROP. GUTTER LIP AND TOP OF CURB ARE NOT TO BE DEPRESSED.
 2. NOT TO BE USED WHEN BUILDING ELEVATION IS LOWER THAN THE EXISTING CENTERLINE ELEVATION OF THE ADJACENT ROADWAY.
 3. APRON TO SLOPE TO BOTTOM OF SWALE.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

INLET APRON

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-3



- Notes:
1. 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.
 2. At least one corner of the detectable warning panel shall be coincident to the back of curb

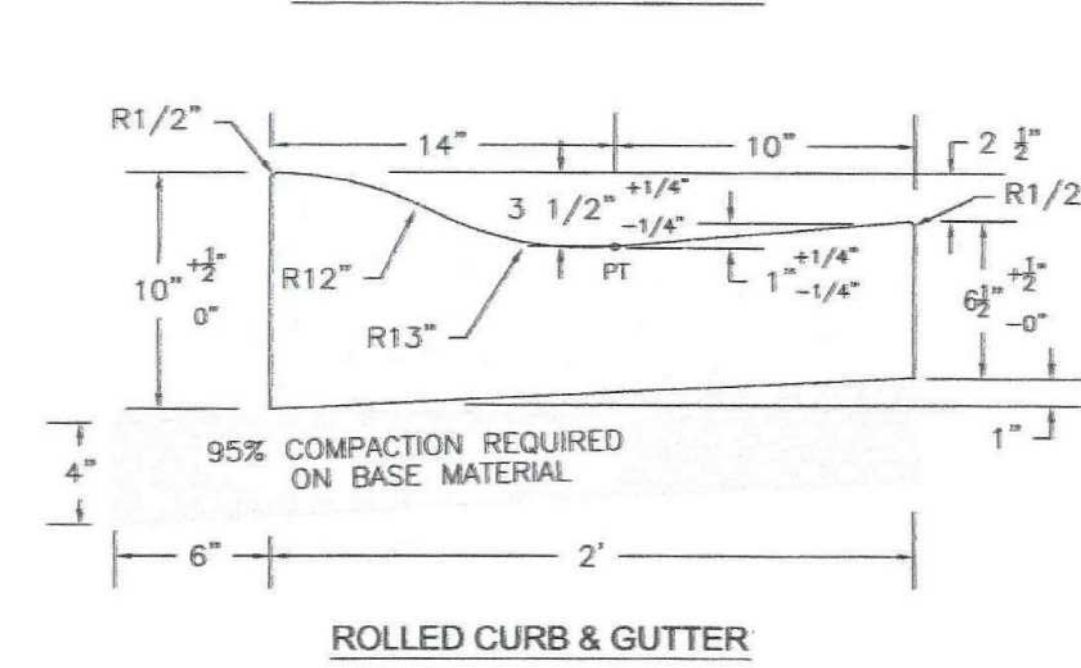
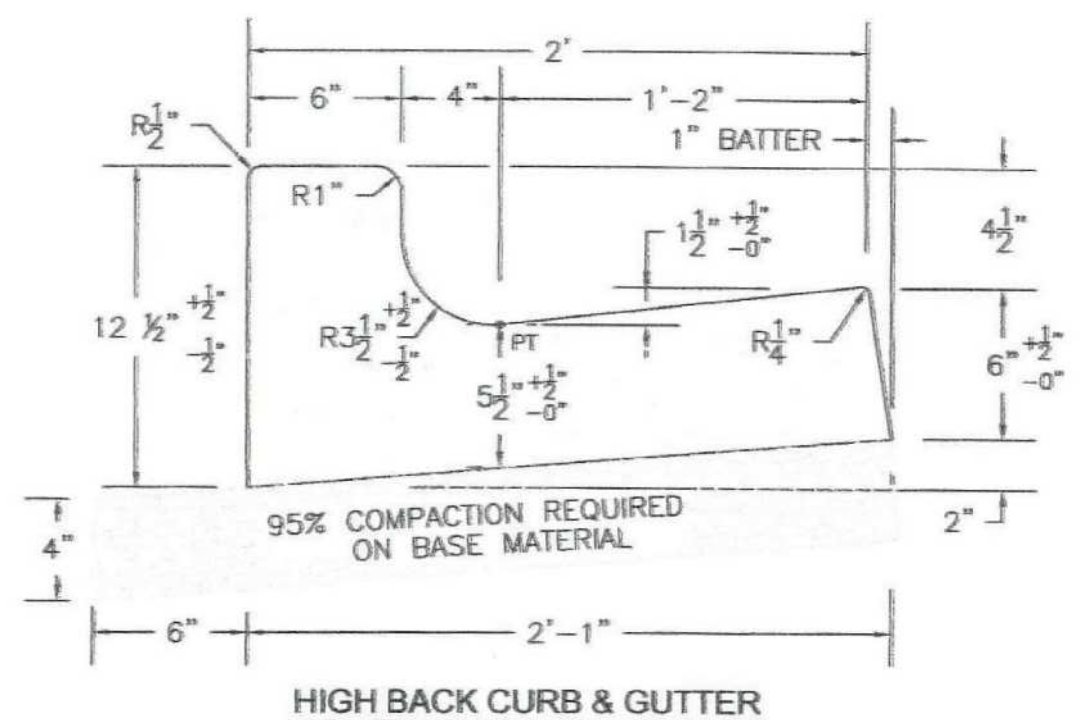
CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

DETECTABLE WARNING FOR
PEDESTRIAN ACCESS

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-5

GENERAL NOTES FOR ALL TYPES OF CURB AND GUTTER

1. SECURE A PERMIT FOR CONSTRUCTION, BEFORE BEGINNING CONSTRUCTION IN PUBLIC RIGHT-OF-WAY.
2. GRADE, ALIGNMENT AND CURB TYPE SHALL BE AS APPROVED BY THE CITY ENGINEER.
3. ALIGNMENT AND GRADE STAKED TO LIP OF GUTTER (LIP) SHALL BE ESTABLISHED OR APPROVED BY THE CITY ENGINEER.
4. 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
5. 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.
6. 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.
7. 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".
8. THE CONTRACTOR ARE REQUIRED BY THE PUBLIC WORKS DEPARTMENT TO MARK STUB-OUTS AND VALVES IN THE UNURED CONCRETE.
9. 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.
10. CONCRETE SURFACE TO HAVE A LIGHT BROOM FINISH PARALLEL WITH THE LENGTH OF THE CURB.
11. APPLY UNIFORM COAT OF REZ-SEAL OR APPROVED EQUIVALENT CURING COMPOUND TO EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING..
12. ROLLED CURB AND GUTTER SHALL NOT BE USED:
 - A. ON STREETS IN COMMERCIAL AND INDUSTRIAL ZONED AREAS.
 - B. ON STREETS WITH LONGITUDINAL (LENGTHWISE) GRADES IN EXCESS OF 6%.
 - C. ON ANY ARTERIAL OR COLLECTOR
 - D. WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
 - E. WHEN SIDEWALK IS LOCATED AT THE BACK OF CURB.



ALL TOLERANCES ARE ±1/4" UNLESS OTHERWISE NOTED

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

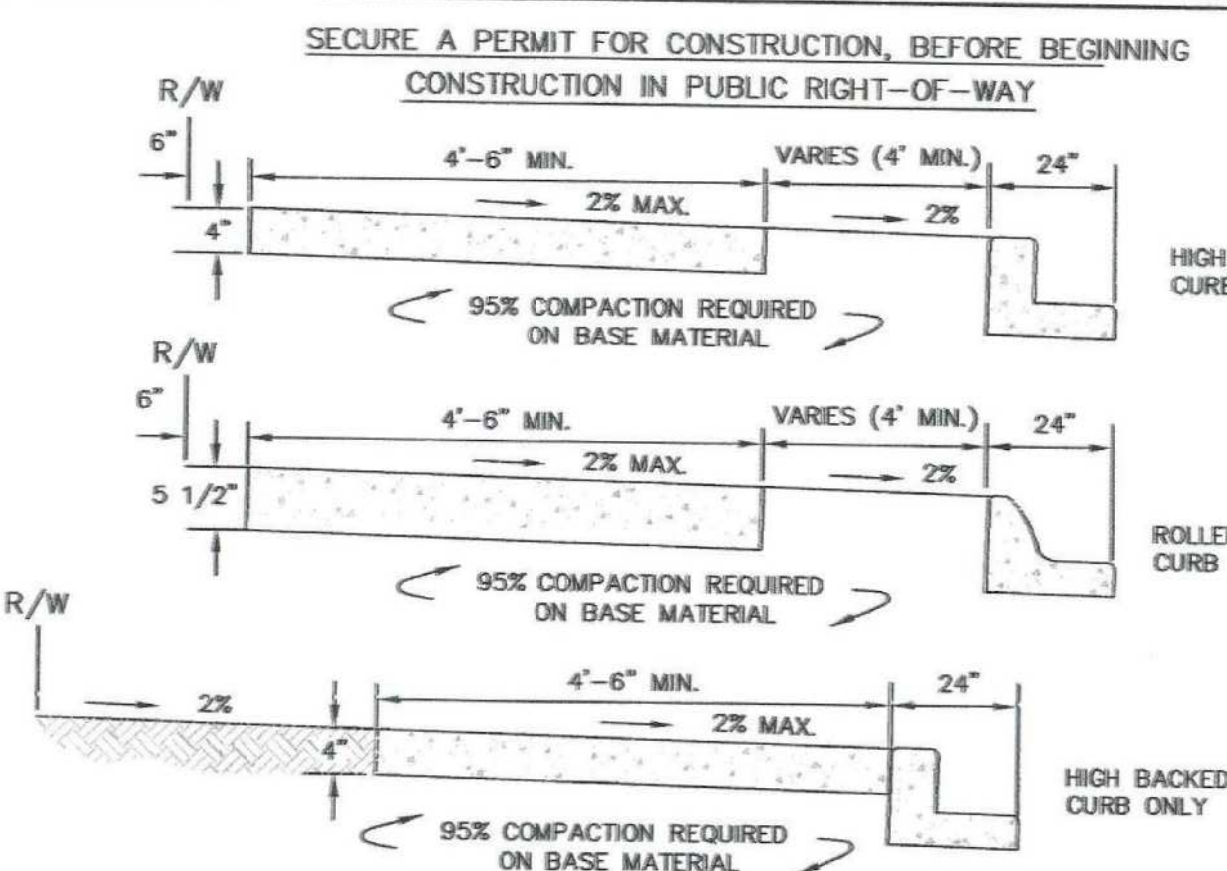
GENERAL NOTES
FOR ALL TYPES OF
CURB AND GUTTER

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-6

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

HIGH BACK CURB & GUTTER
ROLLED CURB & GUTTER

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-7

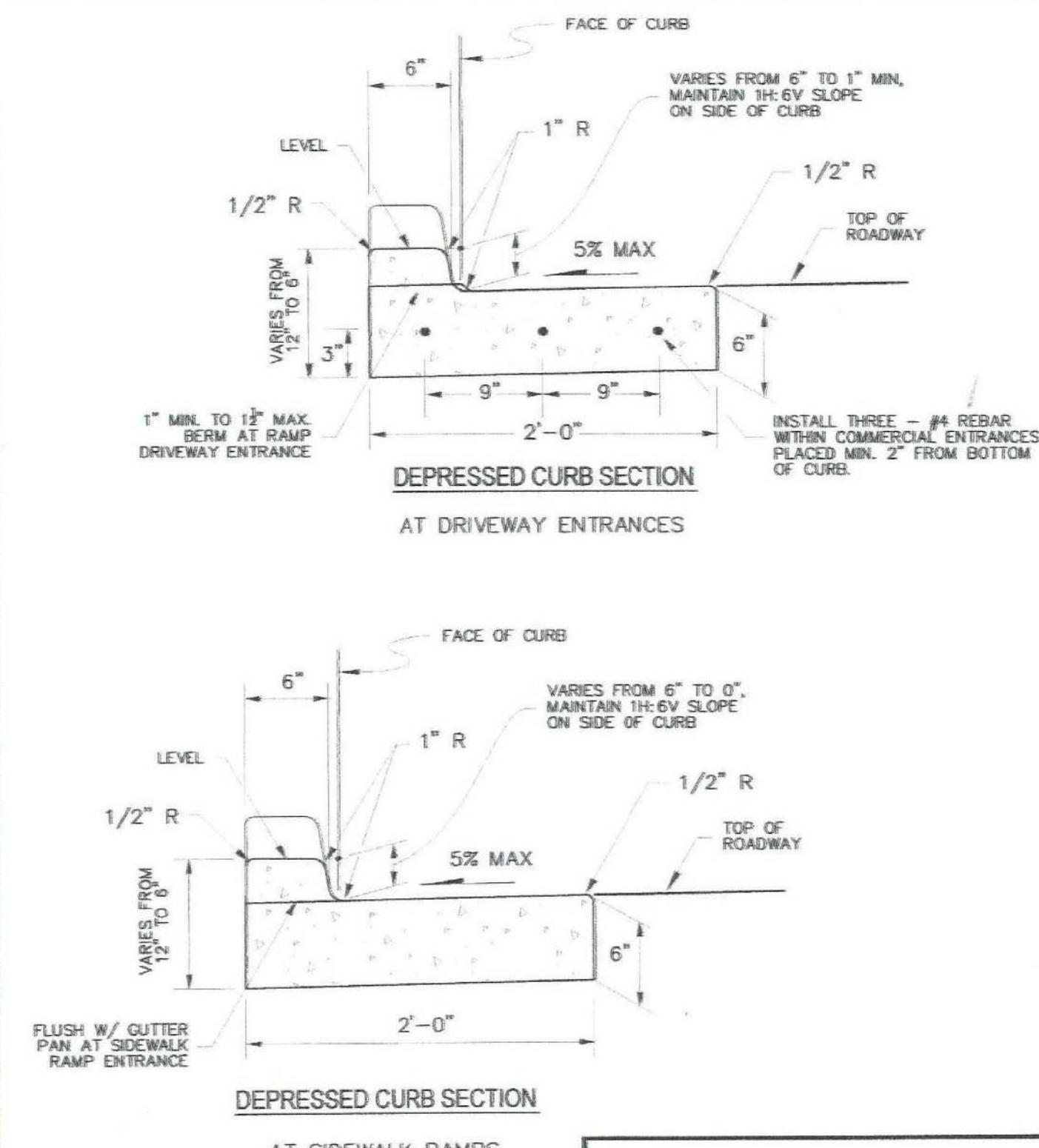


- GENERAL NOTES FOR ALL SIDEWALK:
1. LINE AND GRADE STAKED T.S. TOP OF SIDEWALK, B.S. BACK OF SIDEWALK.
 2. GRADE AND ALIGNMENT TO BE APPROVED BY THE CITY ENGINEER.
 3. THE TOLERANCE FOR FINISHED SIDEWALK - MAX. VARIATION OF SURFACE FLATNESS: 1/4 INCH IN 10 FEET. MAX. VARIATION FROM TRUE POSITION (DESIGN GRADE): 1/2 INCH. NO PONDING IS ALLOWED ON SIDEWALKS, STEPS OR PEDESTRIAN RAMPS.
 4. 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.
 5. DUMMY JOINTS SHALL BE PLACED AT 5' INTERVALS, 3/4" TO 1" DEEP.
 6. CONCRETE SHALL BE 3,000 PSI MIN. AT 28 DAYS, MAX. WATER/CEMENT RATIO SHALL BE 0.5 (LB/LB), 5" MAX. SLUMP, AIR CONTENT (%) 6.5 ±1.5.
 7. 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.
 8. CONCRETE SURFACE TO HAVE A LIGHT BROOM FINISH PERPENDICULAR TO THE LENGTH OF SIDEWALK.
 9. APPLY UNIFORM COAT OF REZ-SEAL OR APPROVED EQUIVALENT CURING COMPOUND TO EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING.
 10. NAME OF CONTRACTOR AND YEAR TO BE STAMPED AT EACH END OF WORK AND AT INTERVALS OF 300 FT.
 11. 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.
 12. A 6" STRIP TO BE LOCATED BETWEEN RIGHT-OF-WAY LINE AND SIDEWALK FOR PLACEMENT OF PROPERTY PINS WHEN PLANTING STRIP OR RETENTION SWALES ARE PLACED BEHIND CURB AND GUTTER.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

CONCRETE
SIDEWALK

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-8



- DEPRESSED CURB SECTION

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

DEPRESSED CURB
SECTION

APPROVED FOR PUBLICATION
City Engineer
Date
DWG. NO.
2-10

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

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

4025 EAGLE COURT
LEWISTON, IDAHO 83501
FAX (208) 750-1082
(208) 751-0605

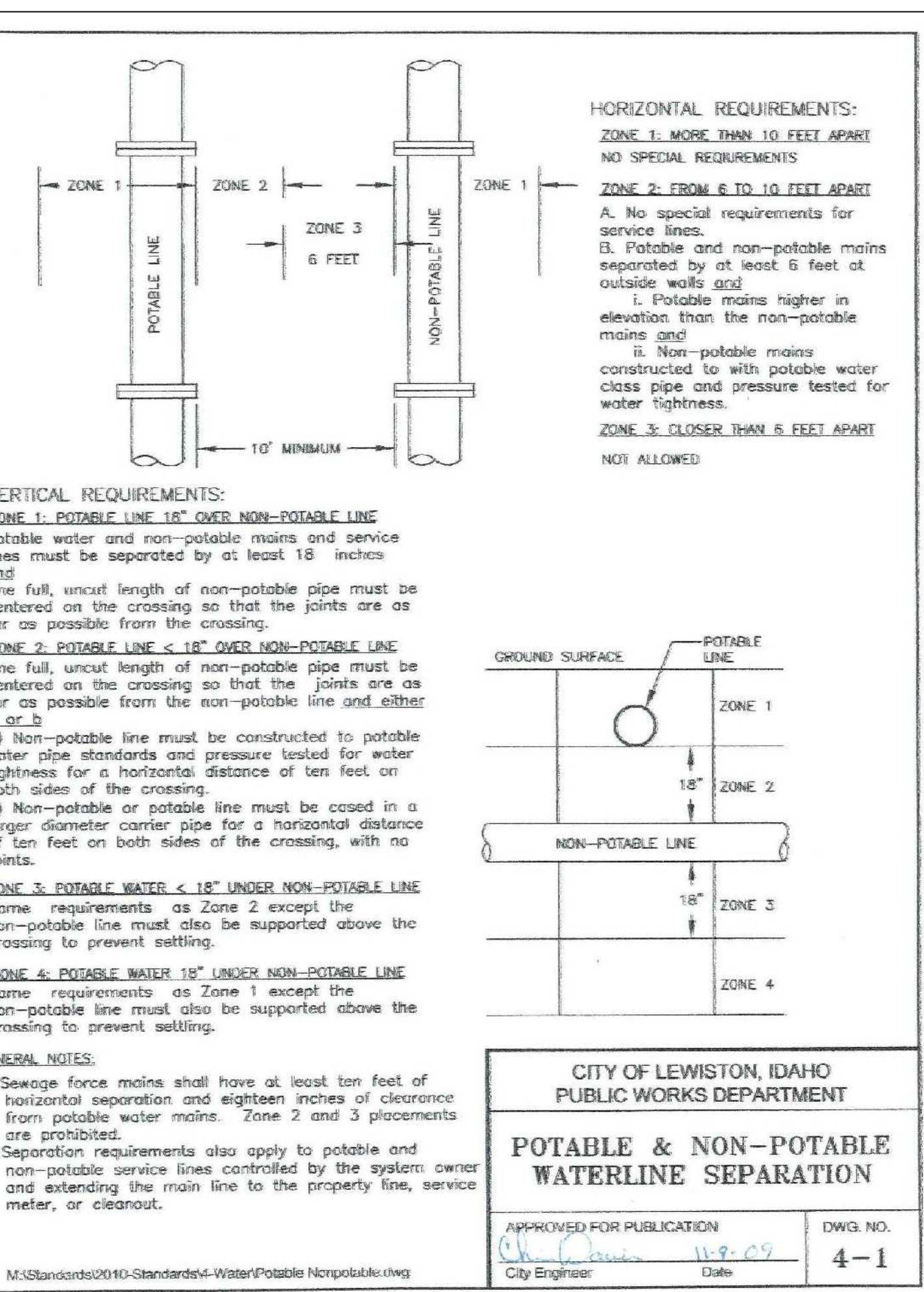
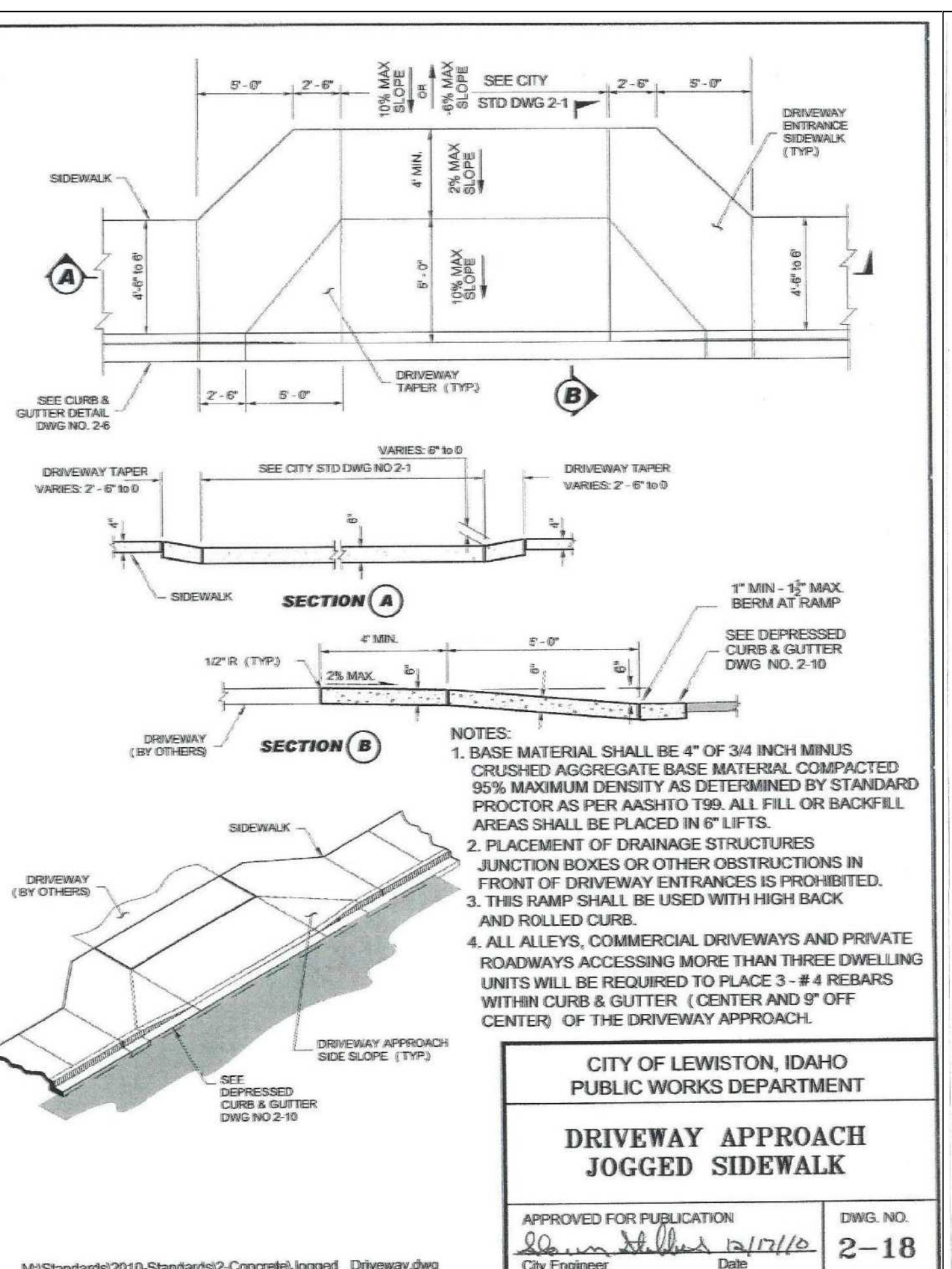
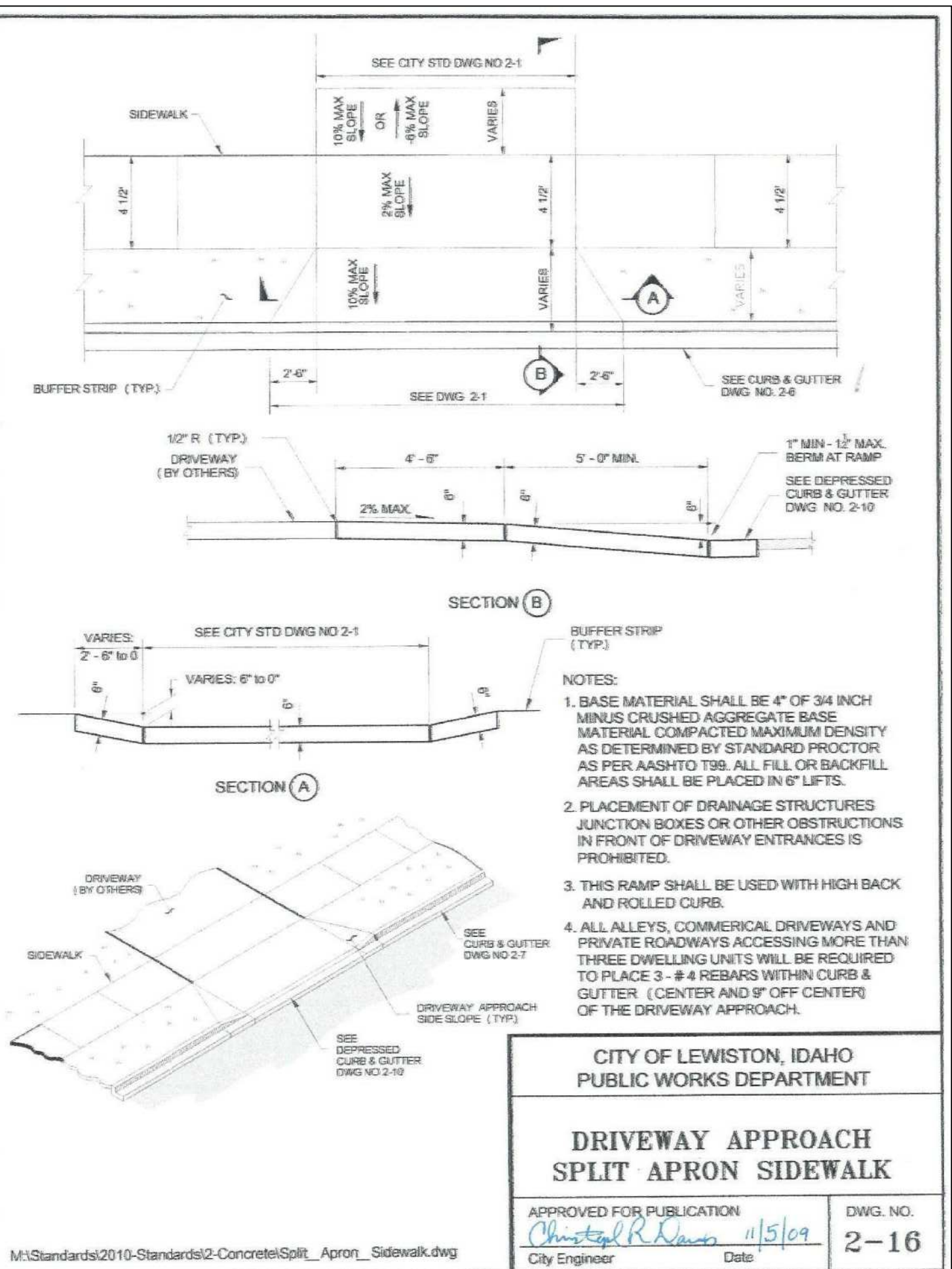
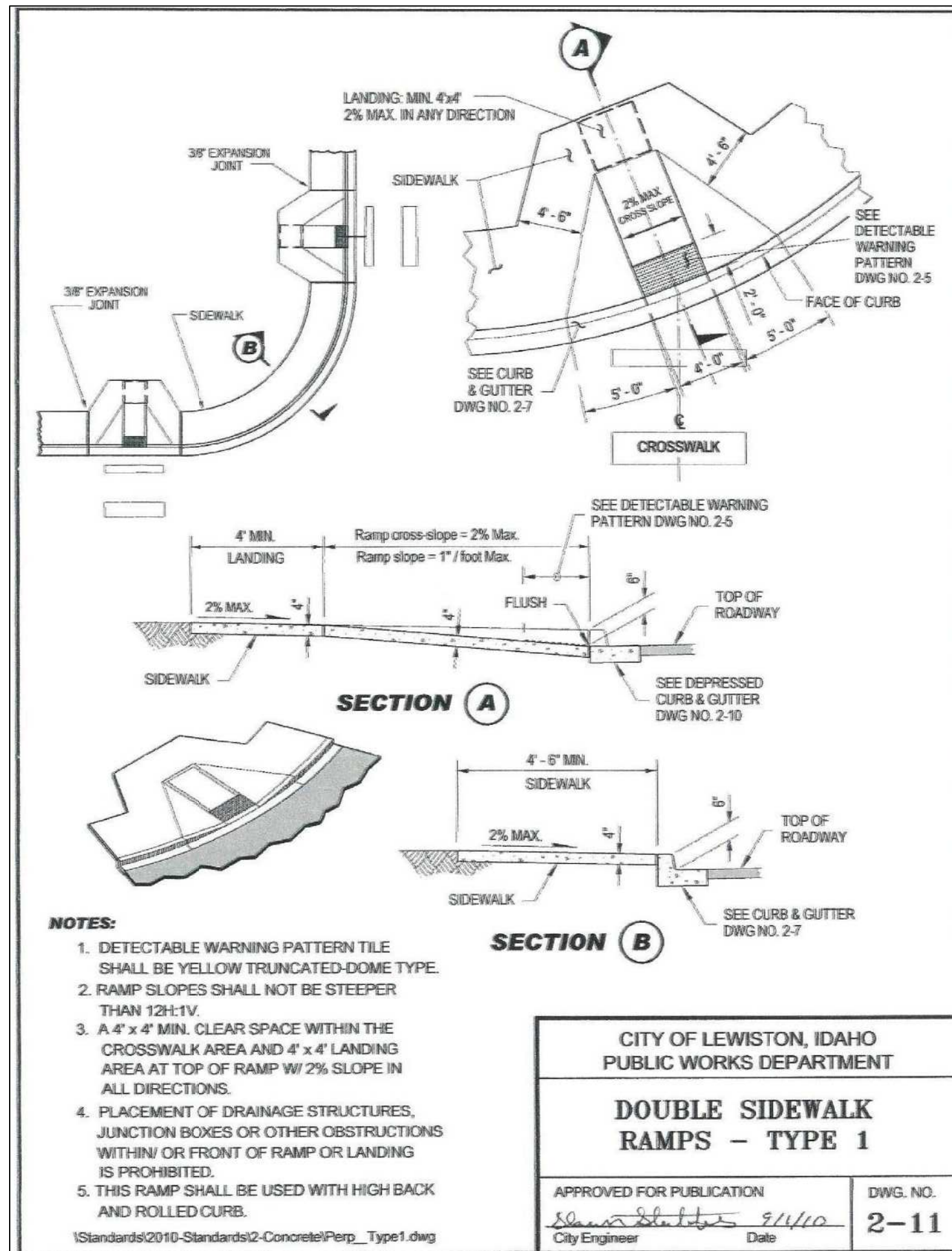
NAACLINE
ENGINEERING & DRAFTING
"an affordable alternative"

REVISIONS

FILENAME
BY
DATE
NO.

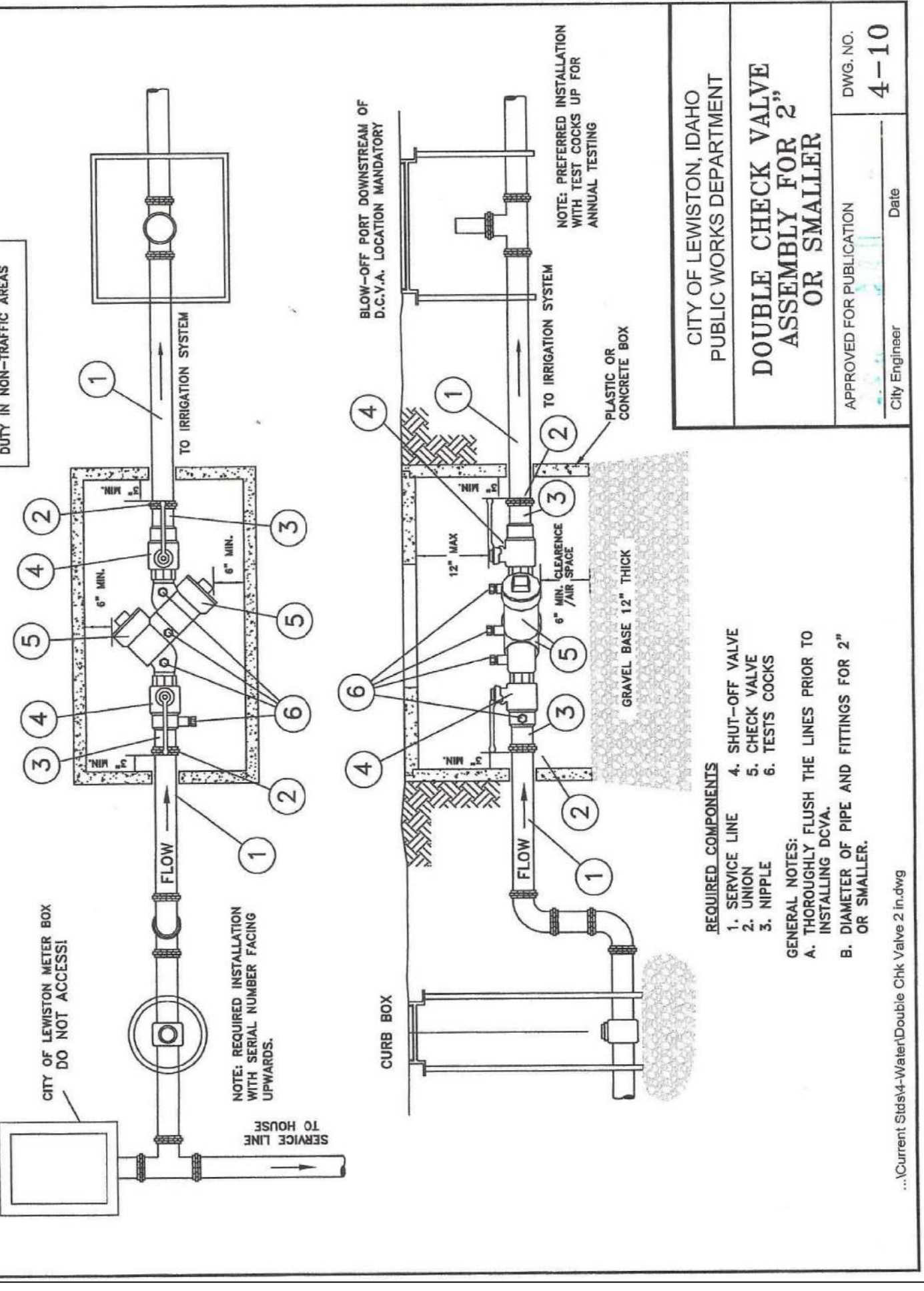
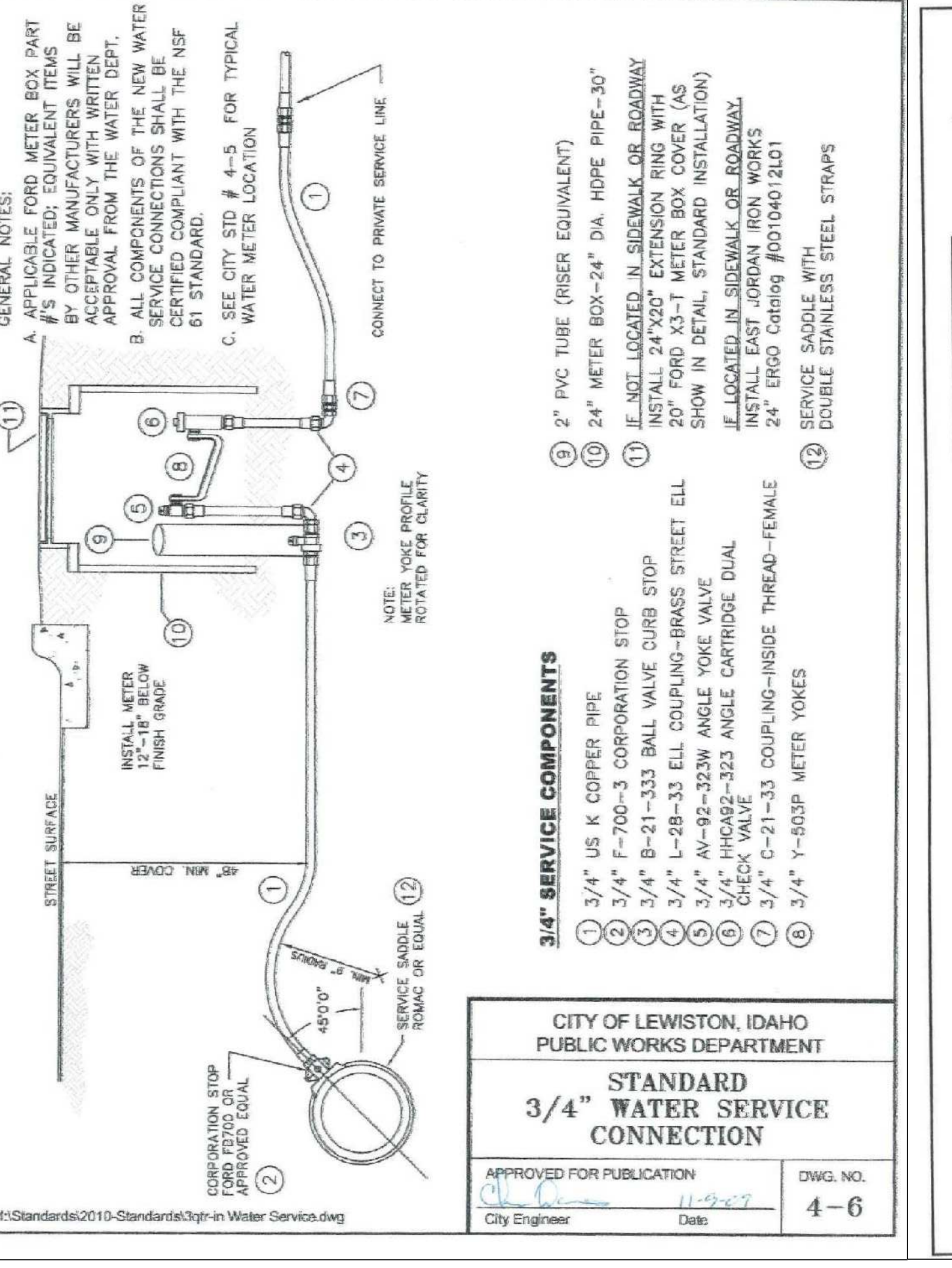
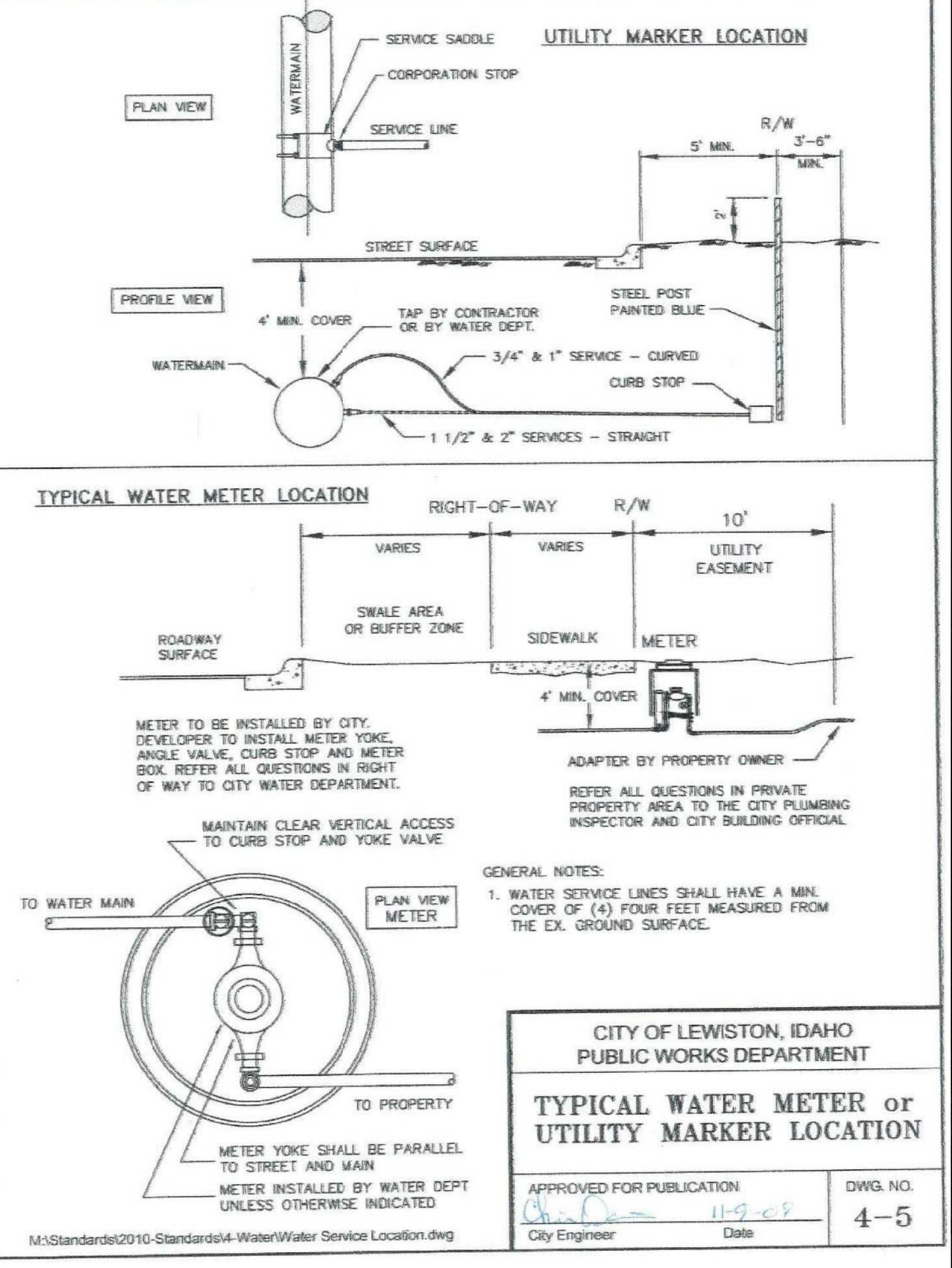
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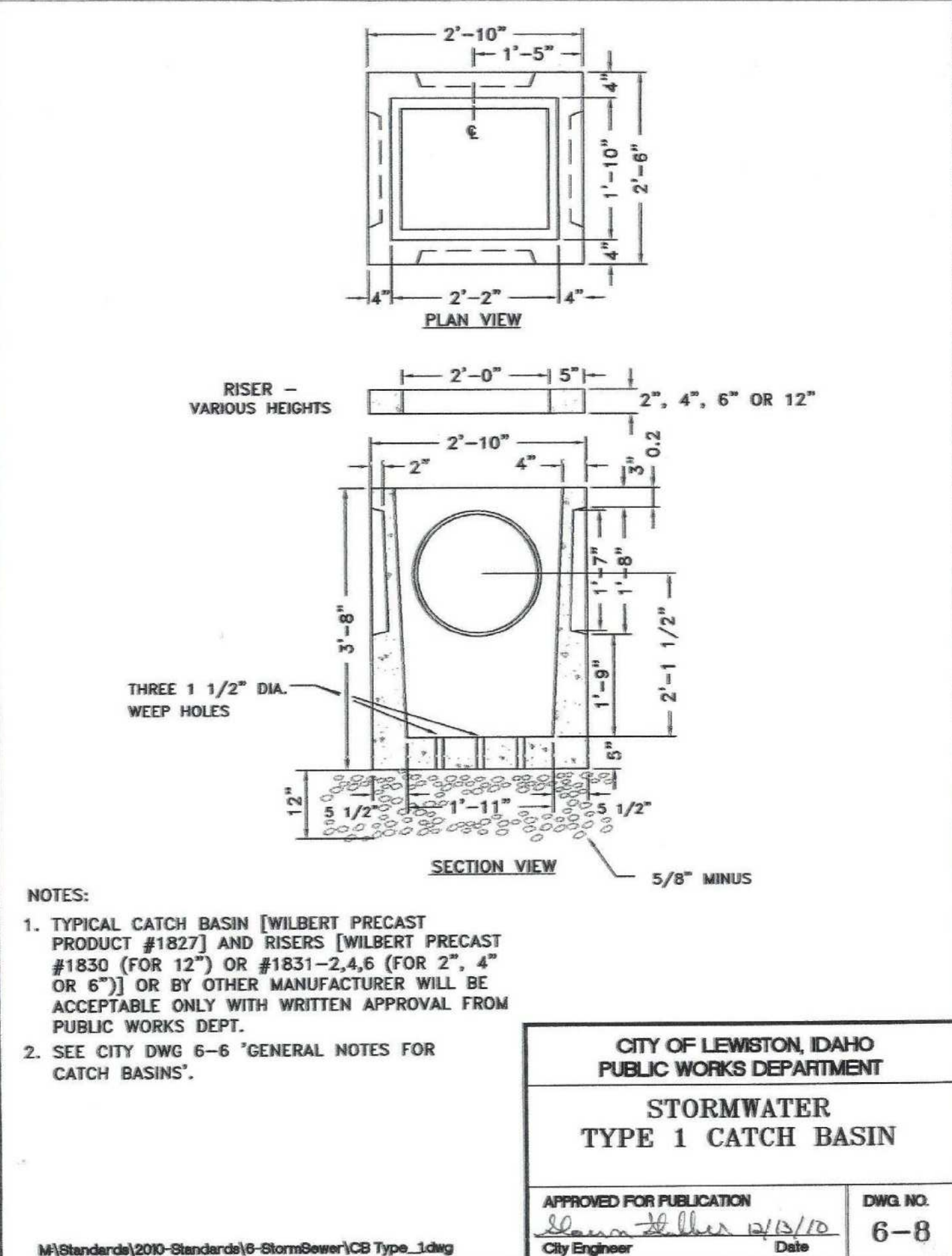
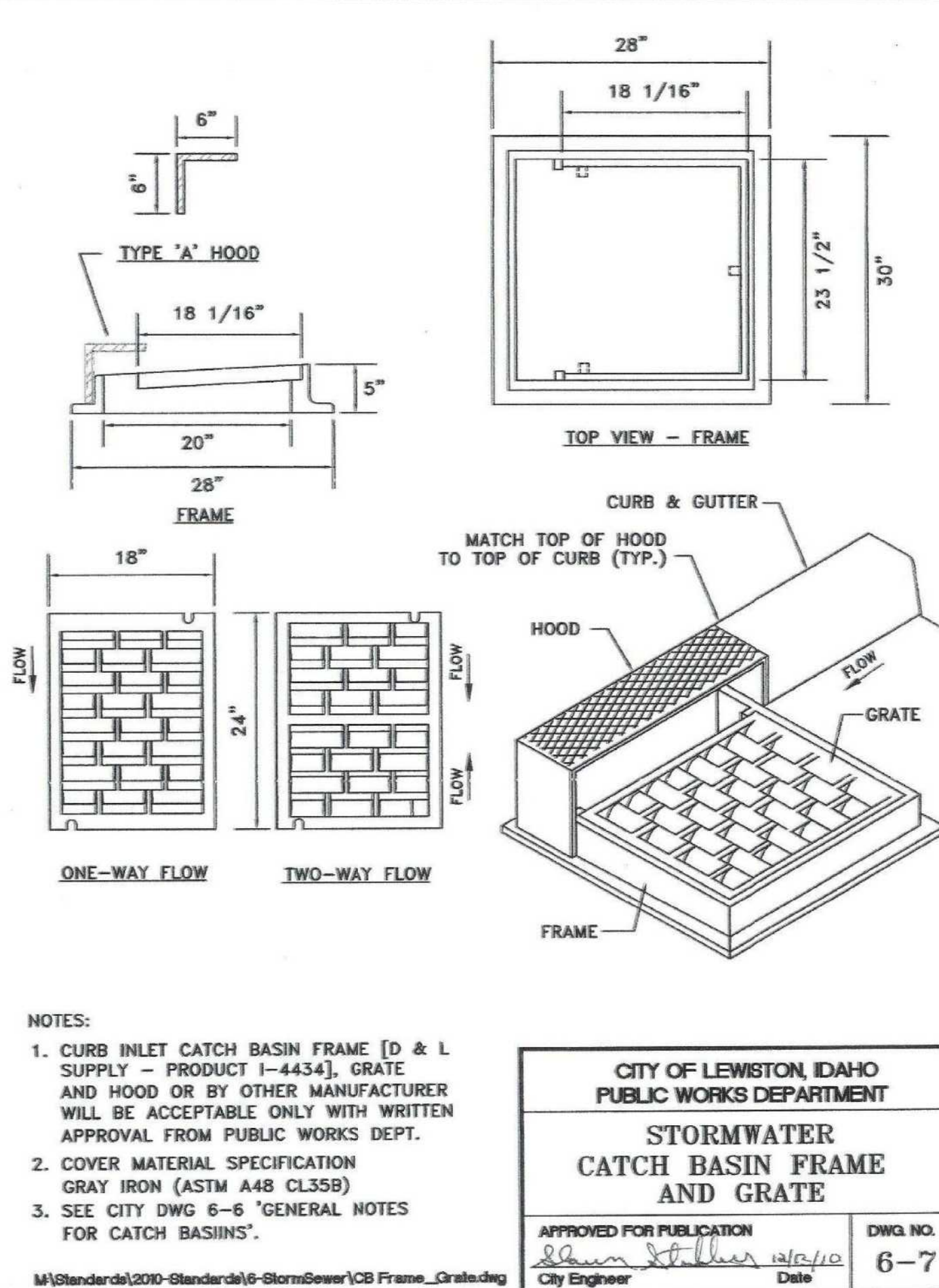
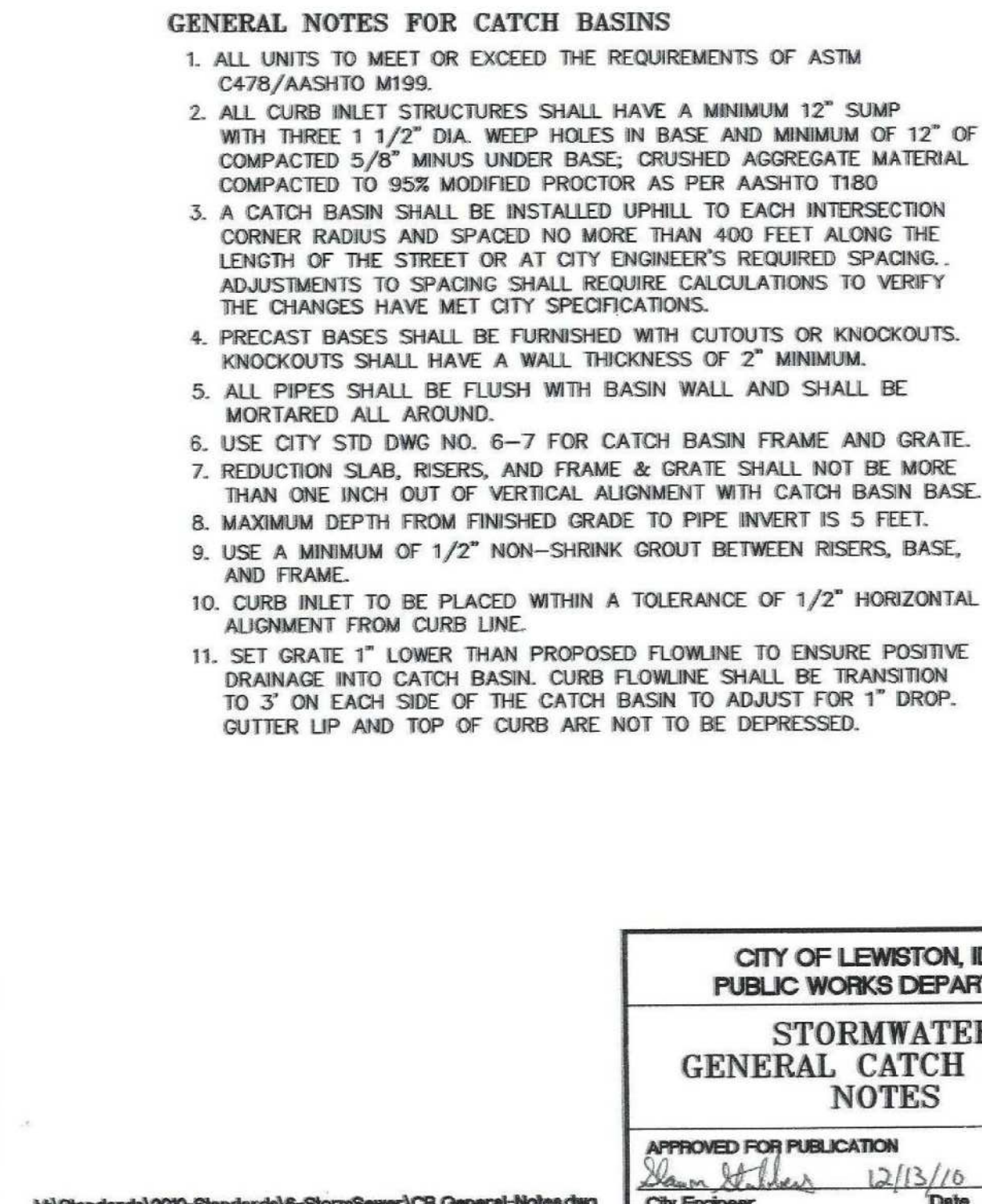
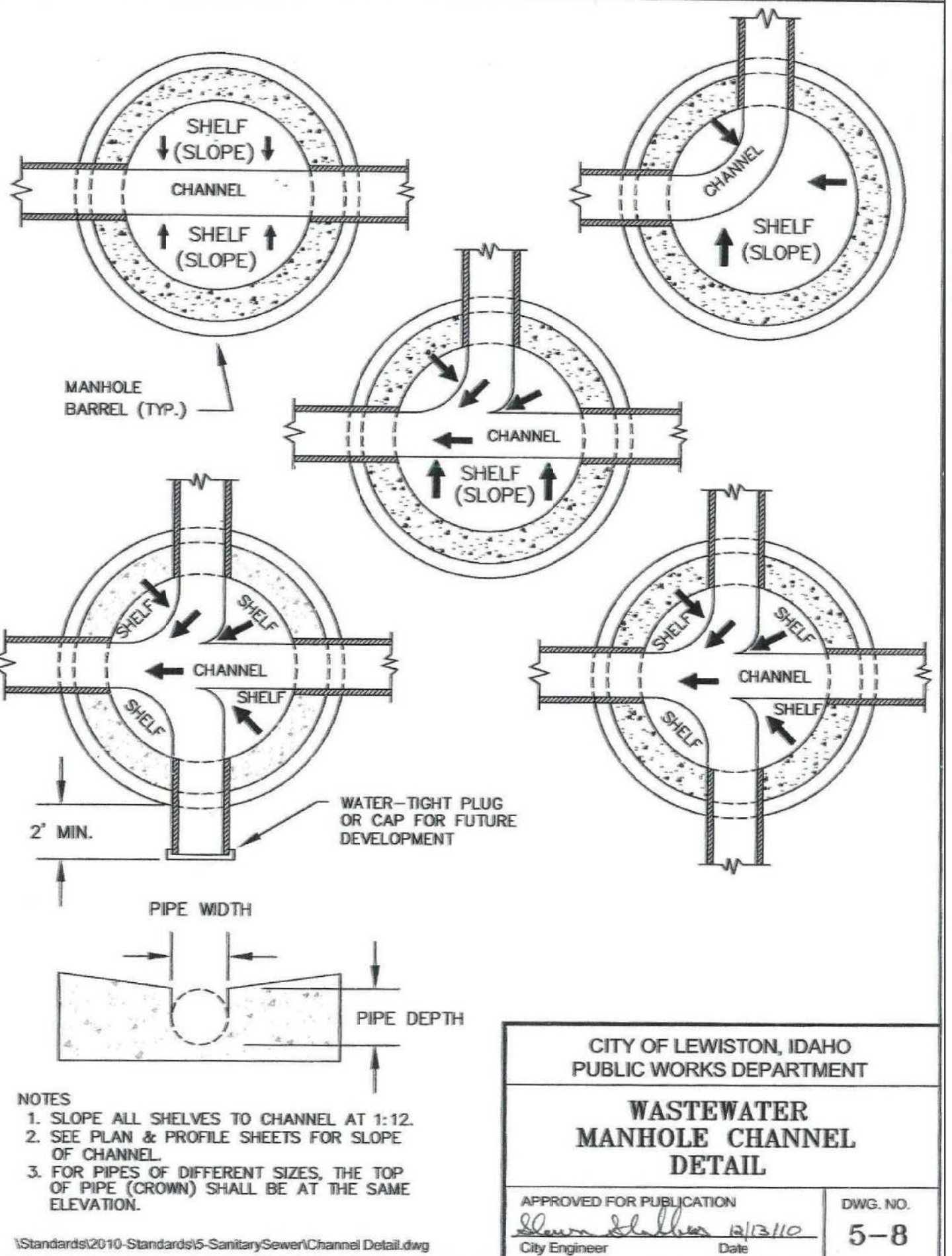
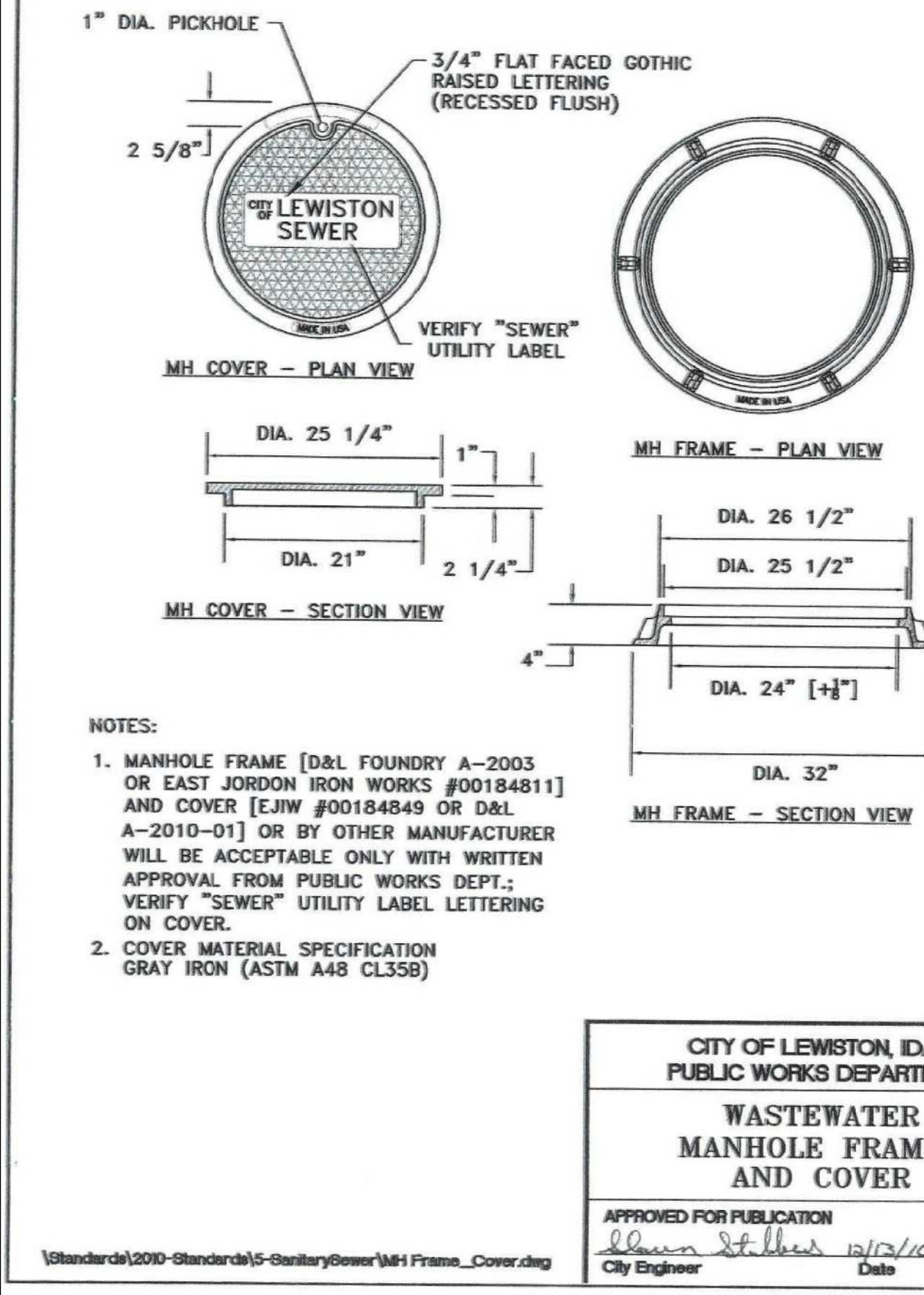
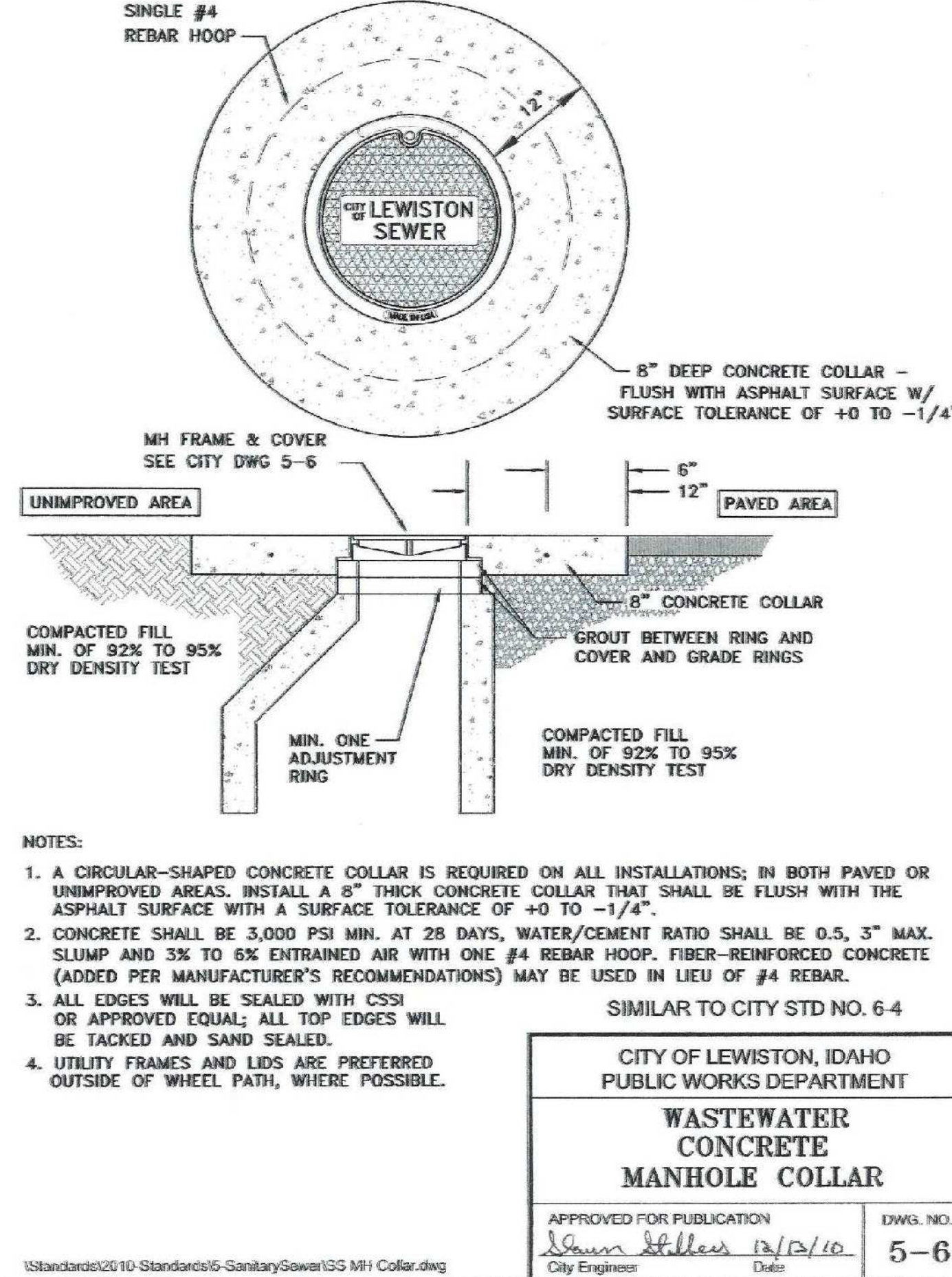
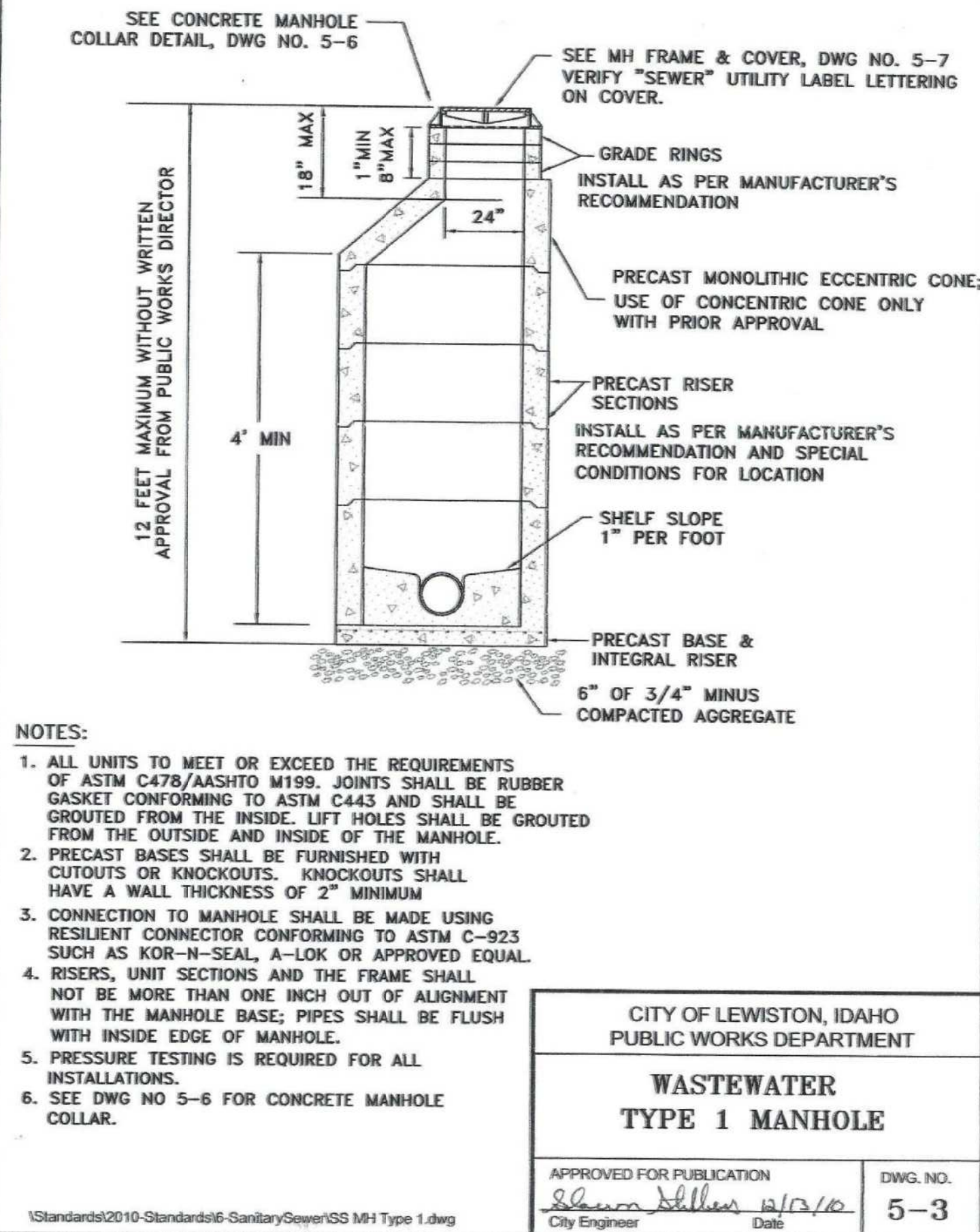
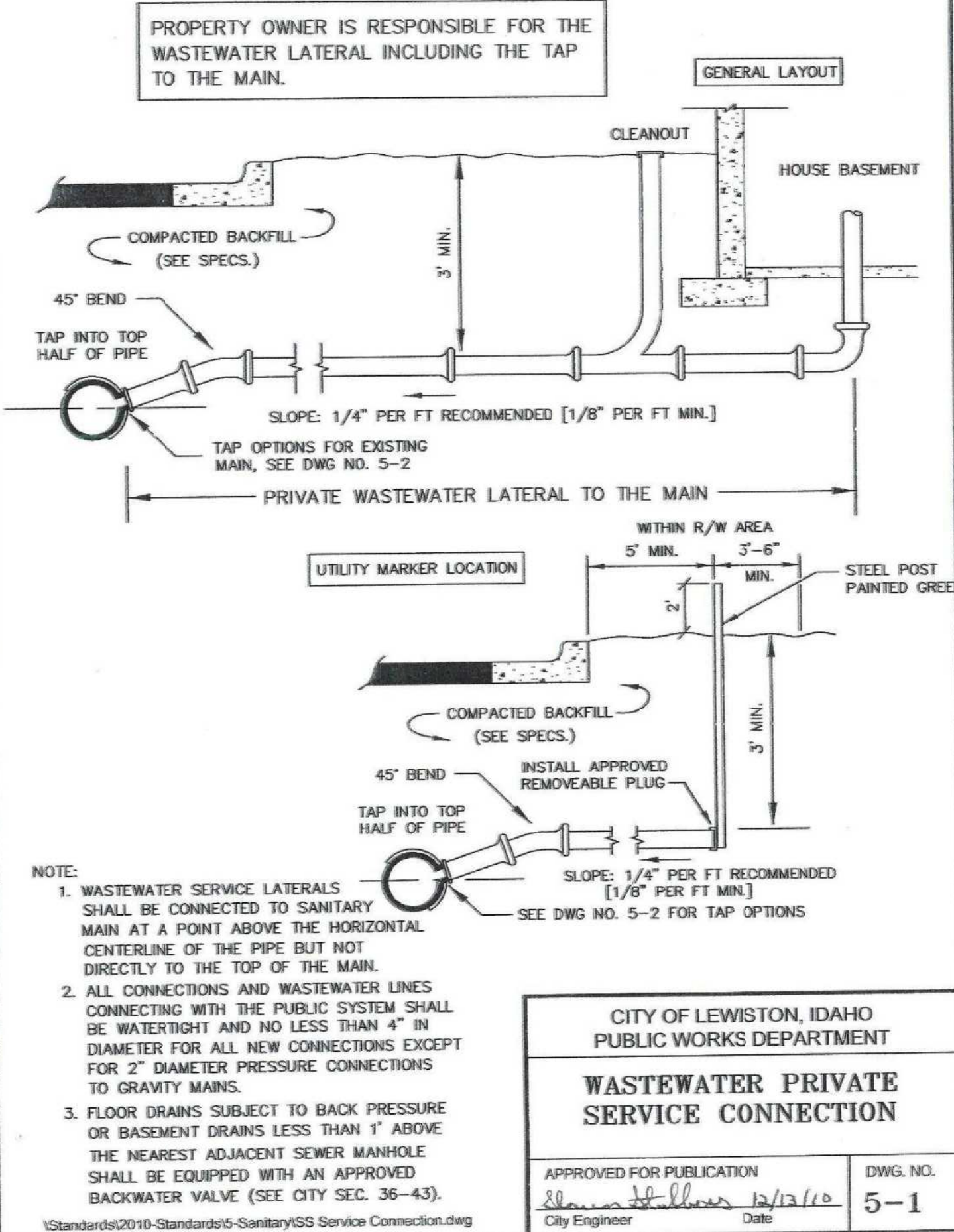
ORIGINAL DRAWING



THRUST BLOCKING DETAIL

APPROVED FOR PUBLICATION: *[Signature]* 11/9/09
City Engineer Date
DWG. NO. 4-4





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 for 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, Cents 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 ± 1.5 In-Place Density - 92-95% of Maximum Theoretical	1 Test Per 750 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/ATSSA		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	AutoCAD Elect File, Bond Paper, 22" x 34" Min Size	City Checklist		Before Public Improvements Accepted			
Date Last Revised September 2016							
Dcklist-A							

REVISIONS		NEW SHEET - CITY INSPECTION CHECKLIST	
NO.	DATE	BY	FILENAME
1	10/20/16	CRF	
0			
REGISTERED PROFESSIONAL 10962 12/20/16 JAMES R. CHAPMAN 4025 EAGLE COURT LEWISTON, IDAHO 83501 FAX (208) 750-1082 (208) 751-8605 NACLINE ENGINEERING & DRAFTING "an affordable alternative"			
BLUE RIBBON		CITY INSPECTION CHECKLIST	
DRAWN BY: CRF		CHECKED BY: CRF	
DESIGNED BY: CRF			
SCALE: NO SCALE			
DATE: 12/20/16			
PROJECT NO.: 00486			
SHEET 14 OF 14			