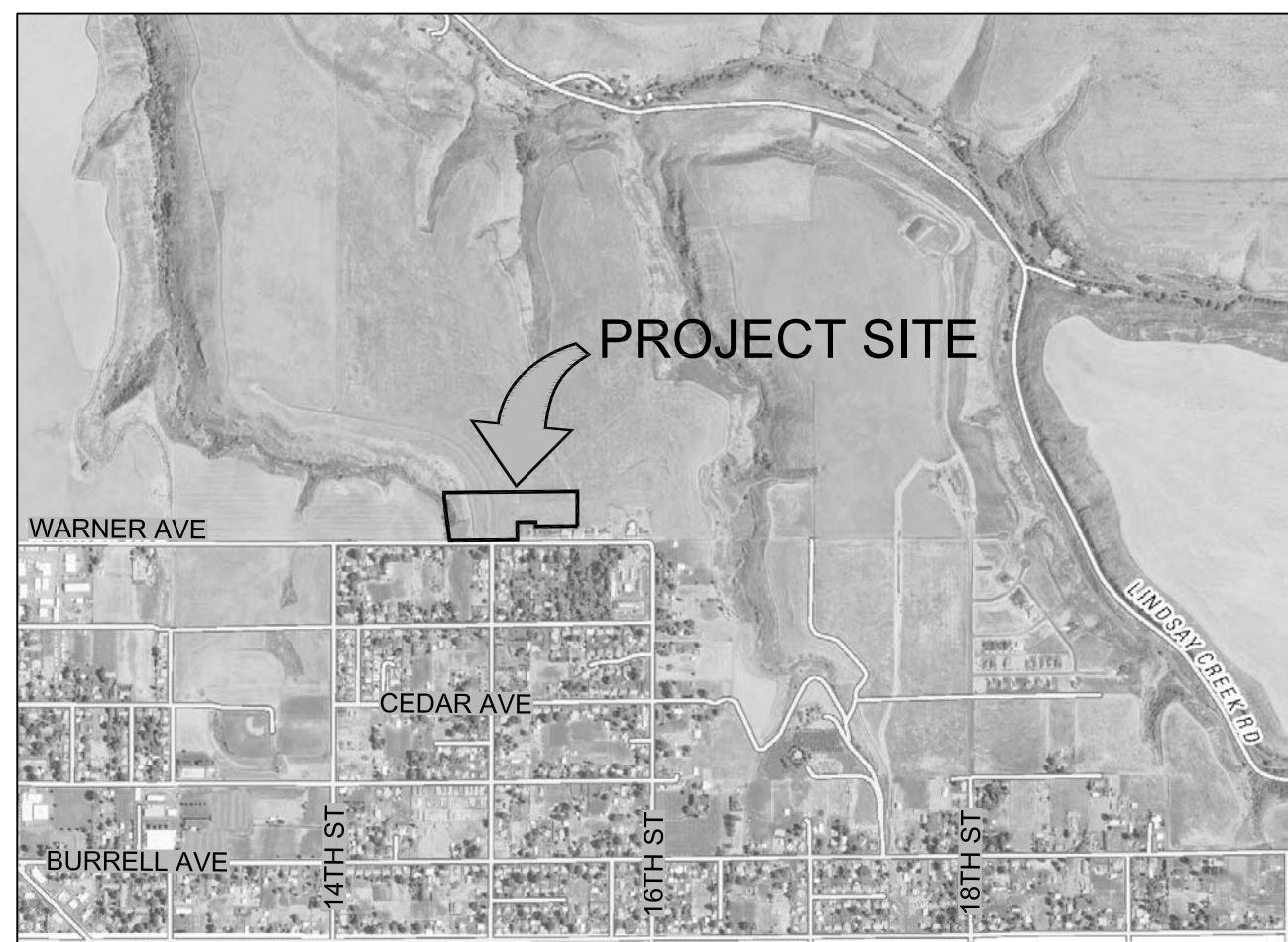


NORTHEAST CROSSING ADDITION - PHASE I/ PROJECT I

CIVIL CONSTRUCTION PLANS



CITY INSPECTION CHECKLIST

ITEM	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	DATE	INITIAL
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]			
TRENCH BACKFILL UNDER EASEMENT / NON-TRAFFICKED AREA	Native Soil Free of Unsuitable Material w/ 4" Max. Particle Size (8" Max. Lift)	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]			
STRUCTURAL FILLS	As Spec'd by Engineer	As Spec'd by Engineer		As Spec'd by Engineer			
2. STORM DRAIN MAINS							
GLASSETED PE Storm Sewer Pipe ALIGNMENT AND GRADE	Polyethylene, ADS N-12 or Equal	Per Manufacturer's Instructions	Certified & Visual by City	Per Plan			Certified & Visual by City
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					Certified & Visual by City
VIDEO INSPECTION	N/A			Public Works Policy No 2012-2			
3. WATER MAINS							
DUCTILE IRON or PVC WATER MAIN ALIGNMENT AND GRADE	AWWA C-151, C-900, C-905 (Class as Req'd)	AWWA C-600, AWWA C-605	Certified & Visual by City	Per Plan			Certified & Visual by City
JOINTS (Deflection/Proper Pipe Embedment)	N/A	AWWA C-600, AWWA C-605		Each Joint			
THRUST BLOCKS	Concrete, 2500 PSI Mix	Per Approved Plans/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 ALIGNMENT AND GRADE	PVC, SDR 35	ASTM 3034		N/A			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Per Manufacturer's Instructions		Per Plan			
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 Ballies > 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 550 Lb/CY, Max Water/Cement Ratio of .44, a VFA, 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-162 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 = 3800 psi; Water/Cement Ratio shall be 0.5 to 0.6 Max. Slump = 5 inches Air Content Percent = ± 0.2% ± 1.5 Temperature = 50°F - 80°F + 0.02" from Design Grade/Alignment + 0.02" Segment Floated, Uniform, Light Broom Finish	1 of Each Test Minimum per Day, or 1 of Each Test per 50 CY			City Approval
ALIGNMENT AND GRADE	N/A	Visual		Per 10' Section			
FLATNESS/STRAIGHTNESS FINISH	N/A	Visual		Entire Surface Area			
6. ASPHALTIC CONCRETE PAVING							
HOT MIX ASPHALT	ITD Class II 1/2" - App'g'd Mix Design Required (2004 ITD Spec 405, 702, and 703.05)	AASHTO T 166, Method C, Specific Gravity of HMA AASHTO T 209, Test for Maximum Specific Gravity WAQTC TM-8, In-Place Density of Bituminous Mixes	92%-95% Max. Theoretical Density	1 Test Per 750 Ton-Min 1 Test			
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			
7. EROSION & SEDIMENT CONTROLS							
	Per Approved Plan	Per Plan and Manufacturer's Instructions		1/Wk or After Every Rainfall			
8. TRAFFIC CONTROL							
	Per Approved Plan	Current Adopted MUTCD/ATSSA		Continuous			
9. RECORD DRAWINGS							
10. ENGINEER'S CERTIFICATION							
	AutoCAD Elect File, Bond Paper, 22" x 34" Min. Size	City Checklist		Before Public Improvements Accepted			
<i>Date Last Revised July 2014</i>							

LEGEND

— San — San —	PROPOSED SAN SEWER	— San — San —	EXISTING SAN SEWER
— SS — SS —	PROPOSED STORM SEWER	— SS — SS —	EXISTING STORM SEWER
— W — W — W —	PROPOSED WATER LINE	— W — W — W —	EXISTING WATER LINE
— F — F — F —	PROPOSED FIRE PROTECTION	— F — F — F —	EXISTING FIRE PROTECTION
— X — X —	PROPOSED FENCE LINE	— OHC — OHC —	EXISTING OVERHEAD ELECTRICAL LINE
▣	PROPOSED CATCH BASIN	— UGC — UGC —	EXISTING UNDERGROUND ELECTRICAL LINE
●	PROPOSED MANHOLE	— X — X —	EXISTING FENCE LINE
⊕	PROPOSED GATE VALVE	▣	EXISTING CATCH BASIN
●	PROPOSED FIRE HYDRANT	●	EXISTING MANHOLE
▶	PROPOSED THRUST BLOCK	⊕	EXISTING GATE VALVE
XXXX	PROPOSED CONTOUR LINE	○	EXISTING FIRE HYDRANT
XXXX	PROPOSED SPOT ELEVATION	▶	EXISTING THRUST BLOCK
●	PROPOSED CENTERLINE MONUMENT	⊕	EXISTING WATER METER
---	PROPOSED CENTERLINE	●	EXISTING POWER POLE
---	PROPOSED EASEMENT LINE	— XXXX —	EXISTING CONTOUR LINE
---	PROPERTY LINE	XXXX	EXISTING SPOT ELEVATION
---	PROJECT BOUNDARY	(E)XXXXXX	EXISTING UTILITY
---	SILT FENCE	---	EXISTING PROPERTY LINE
		⊕	EXISTING CENTERLINE MONUMENT

CONTACTS

OWNER
DK Holdings, LLC
247 Thain Road, STE 107
Lewiston, Id 83501
208 305 9164

GEOTECHNICAL SERVICES
ALLWEST TESTING & ENGINEERING, LLC
2705 E. MAIN STREET
LEWISTON, IDAHO

UTILITY PROVIDERS
SANITARY SEWER COSD 208-746-9689
WATER L.O.L.D. (Barney Metz) 208-746-8235
POWER AVISTA (Colby Witters) 509-780-1475
TELECOM CENTURY LINK (Julio Mendez) 208-798-8380
CABLE T.V. CABLEONE (Tom Donahue) 208-791-5032



Know what's below.
Call before you dig.

PUBLIC IMPROVEMENT QUANTITIES

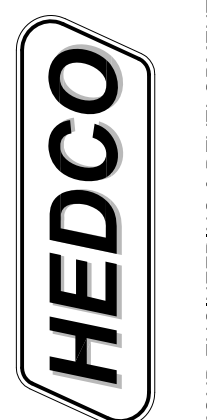
1. Mobilization	Lump Sum
2. Project Earthwork	Lump Sum
3. 8" Base Course	6500 Sq. Yds
4. 3" A.C. Pavement	6000 Sq. Yds
5a. Conc. Rolled Curb	1200 L.F.
5b. Conc. High Back Curb	1300 L.F.
6. Catch Basins	7 Each
7. 12" PVC Storm Drain	520 L.F.
8a. 8" PVC Sanitary Sewer	284 L.F.
8b. 12" PVC Sanitary Sewer	842 L.F.
8c. 4" Sanitary Sewer Services	670 L.F.
9a. 4' Dia. San. Sewer MH	34 V.F.
9b. 4' Dia. Storm Sewer MH	15 V.F.
10a. 8" C900 PVC Water Main	590 L.F.
10b. 12" C900 PVC Water Main	435 L.F.
11a. 8" Gate Valves	1 Each
11b. 12" Gate Valves	4 Each
12a. 4.5" Conc. Sidewalk	7800 S.F.
12b. Pedestrian Ramps	6 Each
12c. Conc. Driveway Approaches	5 Each
13. Utilities Trenching	2100 L.F.
14. Utilities Conduit	Allowance
15. Fire Hydrants	2 Each
16. Water Services	26 Each
17a. Stormwater Inlet Aprons	4 Each
17b. Stormwater Infiltration Trenches	170 L.F.
18. Stormwater Detention Basin	Lump Sum
18. Stormwater Management	Lump Sum

SHEET INDEX

C1 GENERAL NOTES & DETAILS	C11 INTERCEPTOR SANITARY SEWER
C2 EXISTING SITE CONDITIONS	C12 STORM SEWER PLAN & PROFILE
C3 CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN	C13 15TH STREET X-SECTIONS
C4 SITE DEVELOPMENT PLAN	C14 WESTVIEW COURT X-SECTIONS
C5 SITE PAVING & STORMWATER PLAN	C15 ALLEY X-SECTIONS
C6 FRANCHISE UTILITIES PLAN	C16 STANDARD DRAWINGS
C7 15TH STREET PLAN & PROFILE	C17 " "
C8 WESTVIEW COURT PLAN & PROFILE	C18 " "
C9 WARNER AVENUE CURB PLAN & PROFILE	C19 " "
C10 INTERSECTION DETAILS / ALLEY PLAN & PROFILE	C20 " "

2015-04-23 BID/CONSTRUCTION SET

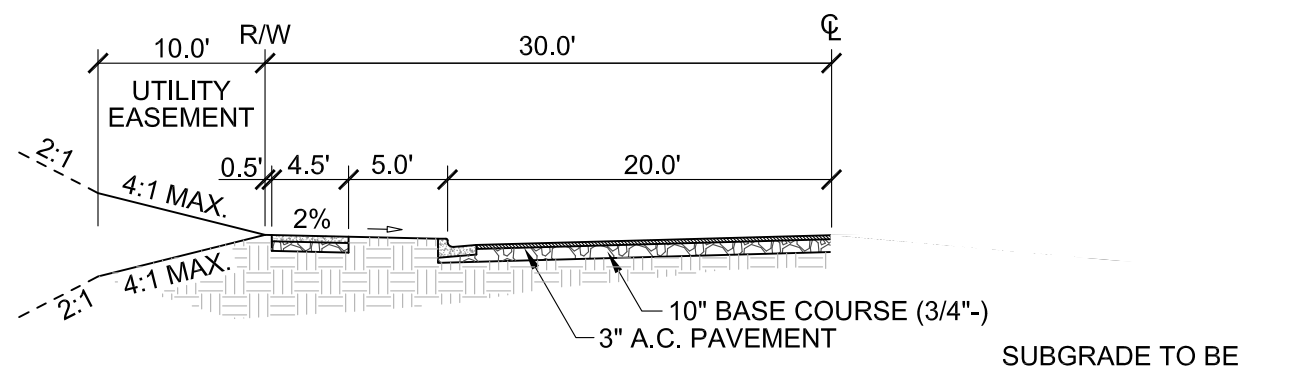
NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
DK HOLDINGS, LLC
LEWISTON, IDAHO



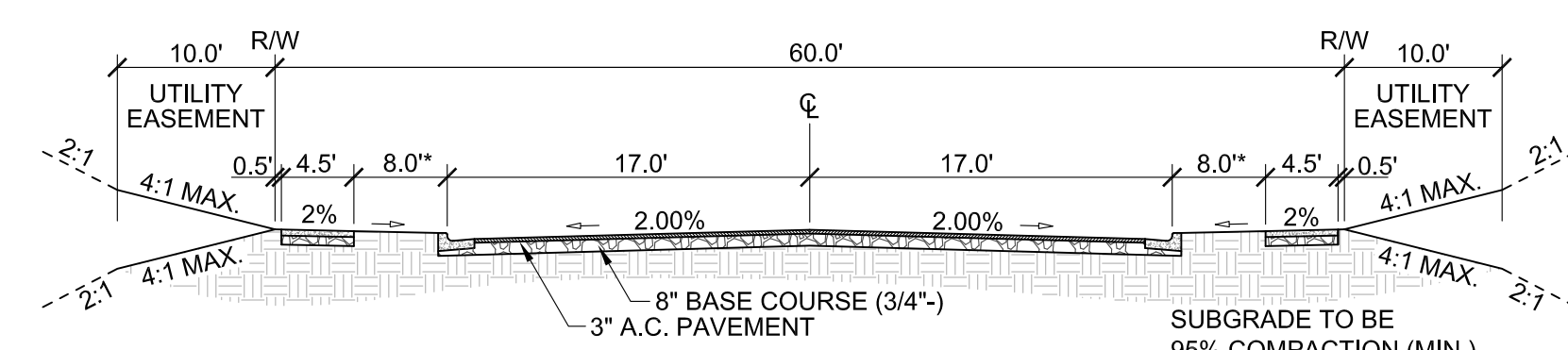
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 780-5422

SHEET
CO

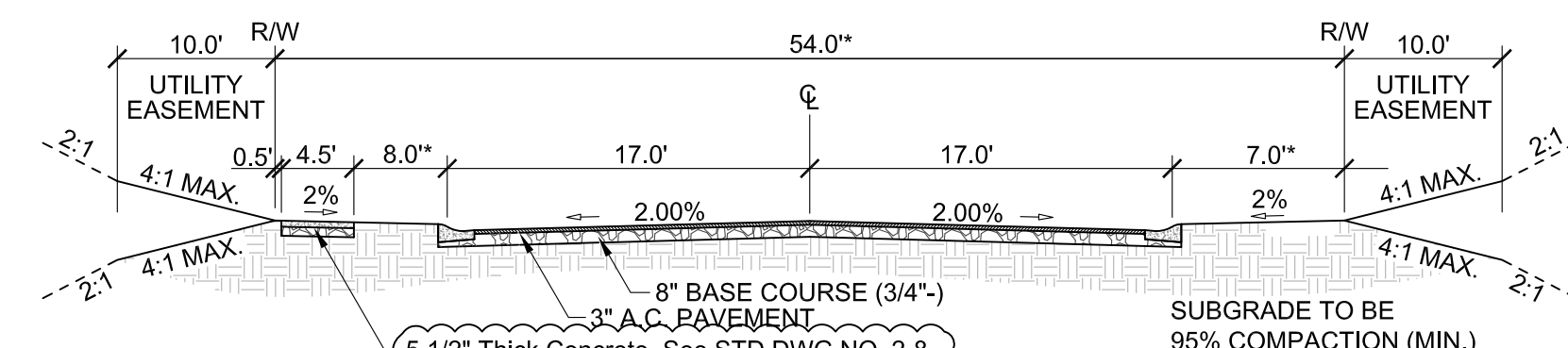
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SHEET 1432 <td>CO <td>DESCRIPTION <td></td> <td></td> </td></td>	CO <td>DESCRIPTION <td></td> <td></td> </td>	DESCRIPTION <td></td> <td></td>		
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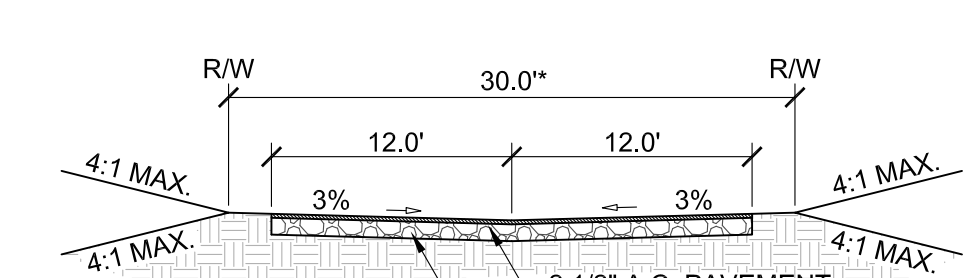
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STD. DWG. NO. 3-9
(WARNER AVENUE)



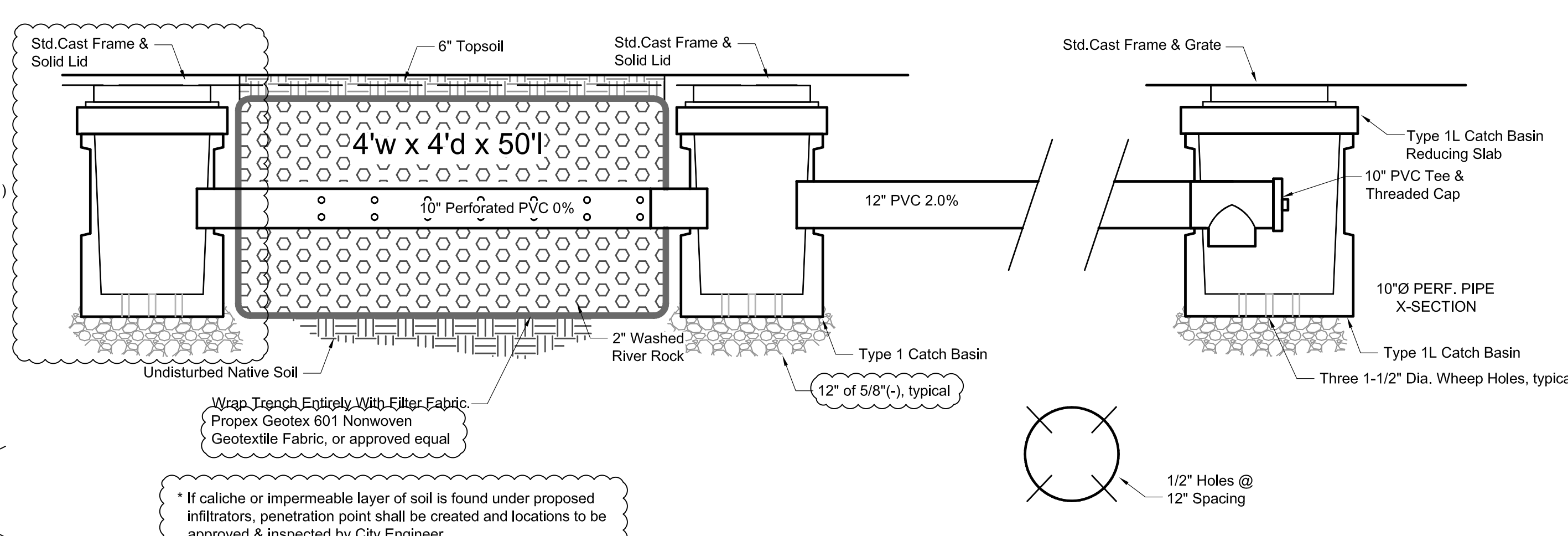
LOCAL RESIDENTIAL STREET
*MODIFIED STD. DWG. NO. 3-3
(15TH STREET)



LOCAL CUL-DE-SAC STREET
*MODIFIED STD DWG 3-5
(WESTVIEW COURT)

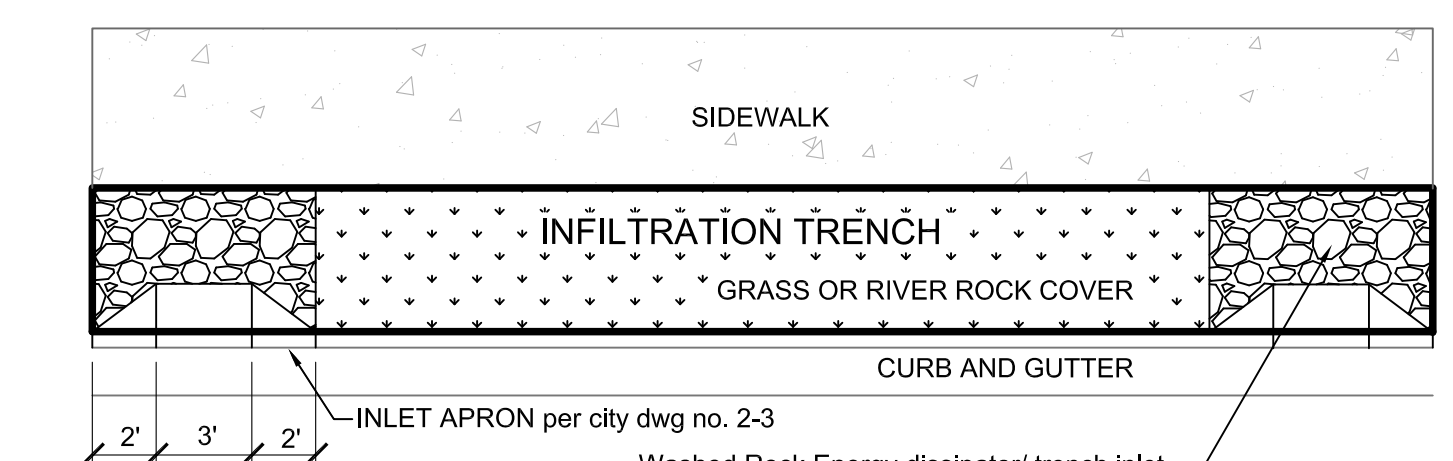


PAVED ALLEY
*MODIFIED STD DWG 3-10
(ALLEY)



ALLEY STORMWATER INFILTRATION TRENCH SYSTEM

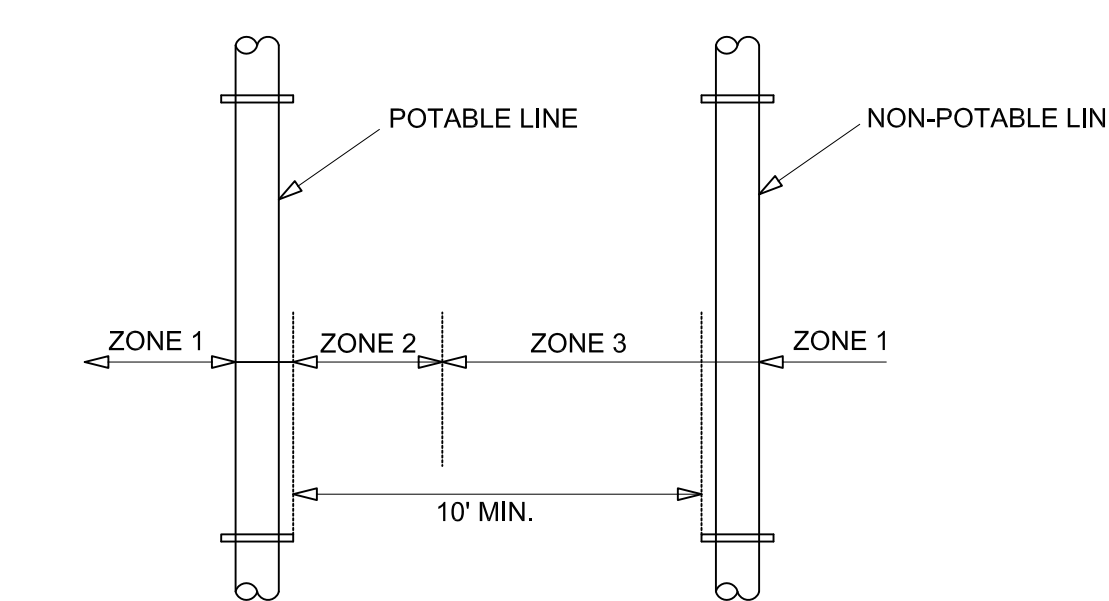
SECTION A
NTS 1432-C10



TYPICAL INFILTRATION TRENCH DETAIL

SECTION B
NTS 1432-C5

LINE SEPARATIONS

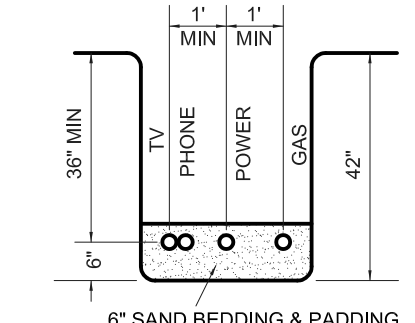


ZONE 1: (MORE THAN 10 FEET APART)
ZONE 2: (FROM 6 TO 10 FEET APART)
* Potable and Non-Potable mains separated by at least 6 feet at outside walls and
* Potable main higher in elevation than Non-Potable mains and
* Non-Potable mains constructed with Potable water class pipe and pressure tested for water-tightness.
Zone 3: (CLOSER THAN 6 FEET APART)
* For Mains and Services, Design Engineer to submit data to Department for review and approval that this installation will protect public health and environment and non-potable line constructed with potable water class pipe.

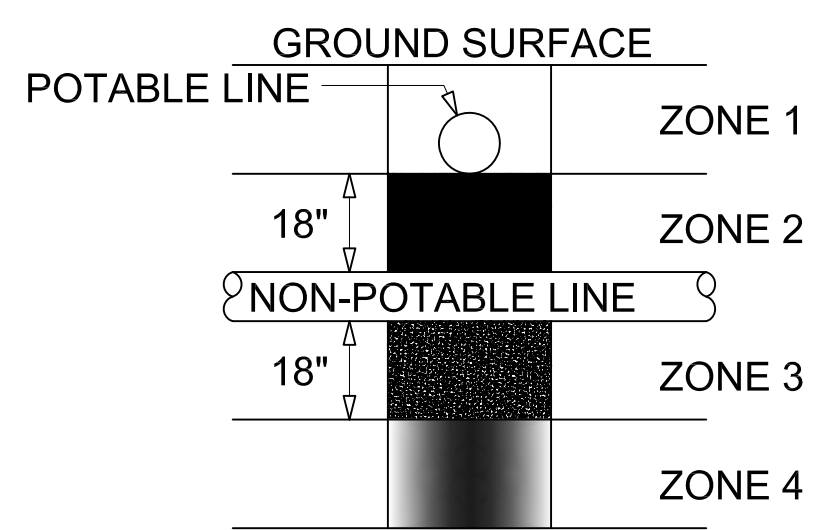
NOTES:

- ALL EARTHWORK SHALL BE COMPACTED TO 95% OF AASHTO T-99 PROCTOR VALUE.
- ALL POTABLE WATER LINES RUNNING FROM MAIN TO METERS WILL BE 1" AND METERS WILL BE 3/4" TYP.
- SANITARY SEWERS SHALL HAVE 3.0' MIN. COVER & SERVICE LATERALS SHALL HAVE 2.0' MIN. GRADE. STORM DRAINS SHALL HAVE 2.0' MIN. COVER
- ALL WORK DONE WITHIN CITY RIGHT OF WAY TO BE DONE IN ACCORDANCE WITH CITY STANDARDS.
- WATER MAIN PIPING, VALVES, FIRE HYDRANTS AND WATER METERS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH L.C.I.D. STANDARDS.
- SANITARY SEWER PIPING AND MANHOLES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH C.O.S.D. STANDARDS.
- VIDEO INSPECTION OF WASTEWATER MAINS REQUIRED; SEE PUBLIC WORKS POLICY # 2012-2
- ALL AVISTA CONDUITS WILL BE SCHEDULE 40 GRAY ELECTRICAL CONDUIT (LARGE SWEEPS, LONG COUPLERS)
- A RIGHT-OF-WAY PERMIT SHALL BE OBTAINED THROUGH THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY WORK WITHIN PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UNDERGROUND UTILITIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGES AT NO ADDITIONAL COST TO THE OWNER. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PROJECT DRAWINGS ARE APPROXIMATE AND BASED ON EXISTING RECORDS AND FIELD SURVEYS. THE NUMBER AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT THE CONTRACTOR SHALL CALL 811 *CALL BEFORE YOU DIG* FOR UTILITY FIELD LOCATIONS PRIOR TO COMMENCING EXCAVATION ON SITE. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RELEVANT UTILITY COMPANIES
- SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS AND INTERSECTIONS SHALL BE MAINTAINED.
- ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY ORDINANCES AND STANDARDS AND C.O.S.D. & L.C.I.D. STANDARD DRAWINGS & TECHNICAL SPECS.
- A SWPPP & NOI IS REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL REFERENCE THE STORMWATER POLLUTION PREVENTION MANUAL (SWPPP) FOR ALL EROSION CONTROL PROCEDURES ON SITE.

FRANCHISE UTILITIES TRENCH DETAIL



LINE CROSSINGS



ZONE 1:
A) Potable Water and Non-potable Mains and Service Lines must be separated by at least 18 inches and
B) One full, uncut length of Non-Potable pipe must be centered so that the joints are as far as possible from the crossing.
ZONE 2: Potable line < 18" over the top of Non-Potable line (Main and Services).
A) One full, uncut length of Non-Potable Water pipe must be centered on the crossing so that the joints are as far as possible from the Non-Potable line and either B)
Non-Potable line must be constructed to Potable water pipe standards and pressure tested for water tightness for a horizontal distance of 10 feet on both sides of crossing.
or C)
Non-Potable or potable line must be cased in a larger diameter carrier pipe for a horizontal distance of 10 feet on both sides of the crossing, with no joints.
ZONE 3: Same requirements as Zone 2 except the Non-Potable line must also be supported above the crossing to prevent settling.
ZONE 4: Same requirements as Zone 1 except the Non-potable line must also be supported above the crossing to prevent settling.
Sewage mains shall have at least eighteen inches of clearance from Potable Water mains and Zones 2 and 3 placements are prohibited. Separation requirements also apply to Potable and Non-Potable service lines controlled by the system owner and extending to the property line, service meter, or cleanout. Refer to IDAPA 58.1.08.542.07: Idaho Rules for Public Drinking Water Systems and IDAPA 58.01.16.430.0 Idaho Wastewater Rules.

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
GENERAL NOTES & DETAILS
DK HOLDINGS, LLC
LEWISTON, IDAHO**

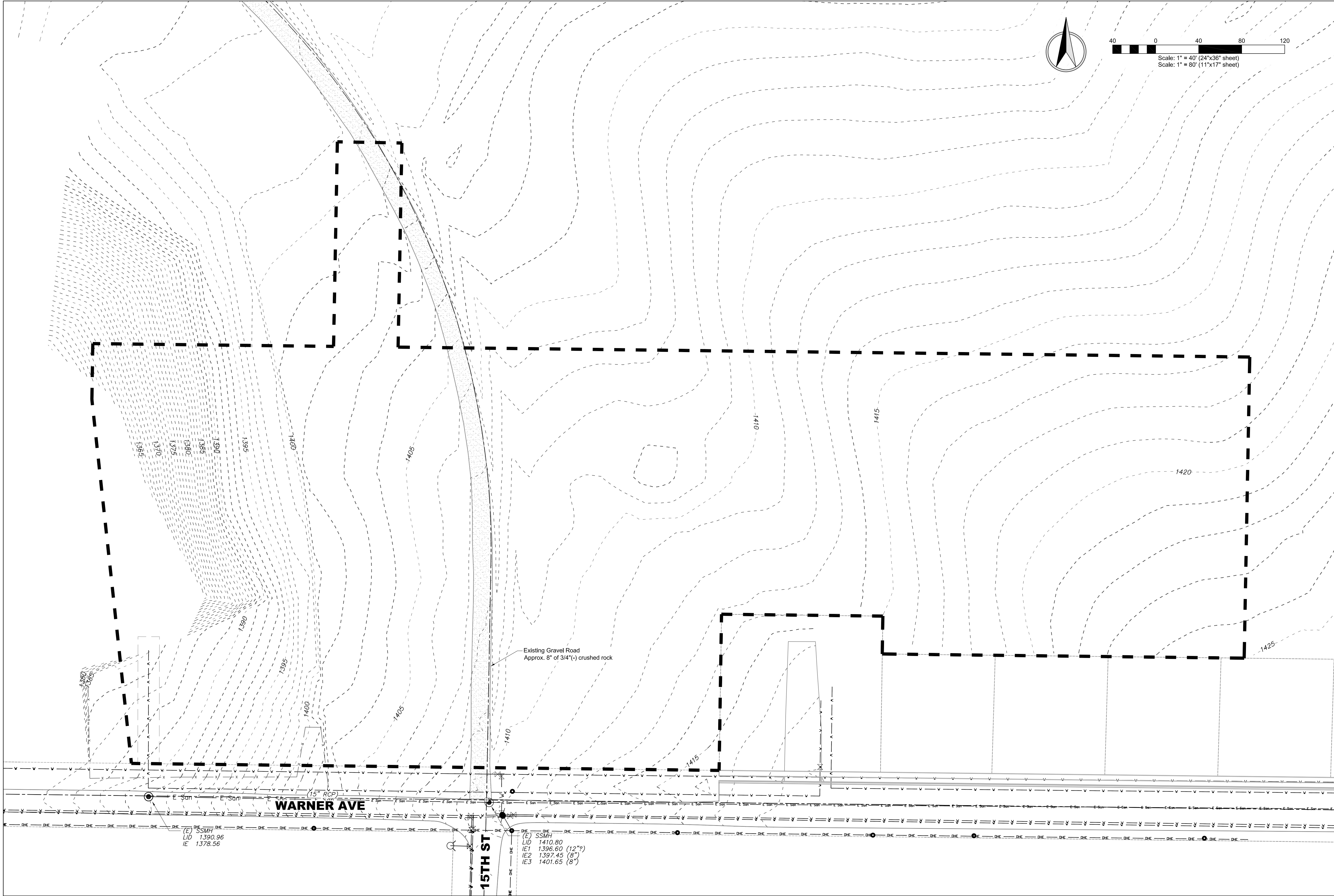
REV. DATE	DESCRIPTION	CHECKED	APPROV.
A 03-30-15	Revised IDAPA Note Reference #		
B 04-23-15	Revised as per City Review Comments dated 04-16-15		

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
#2102
STATE OF IDAHO
SHAWAUNDA SHAWAUNDA
4/23/15

SHEET SIZE: D
DRAWN BY: MEE
CHECKED BY: JSH
DATE: 03-19-15
JOB # 1432
SHEET # C1
DRAWING # 1432-C1

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 750-5422

SHEET **C1**



Scale: 1" = 40' (24"x36" sheet)
 Scale: 1" = 80' (11"x17" sheet)

REV. LTR.	DATE	DESCRIPTION	CHECKED	APPRO.
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DATE	03-19-15	JOB #	1432
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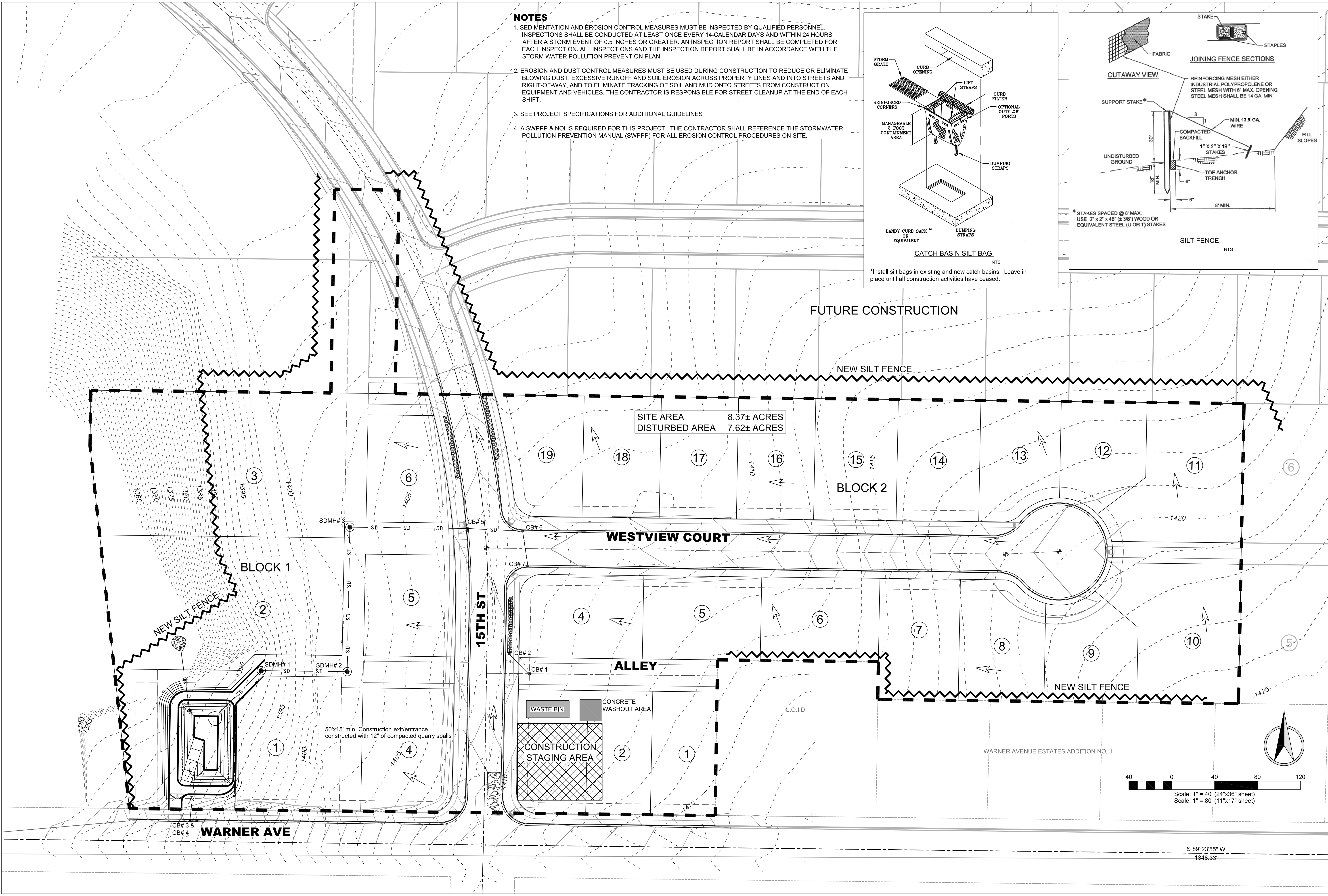
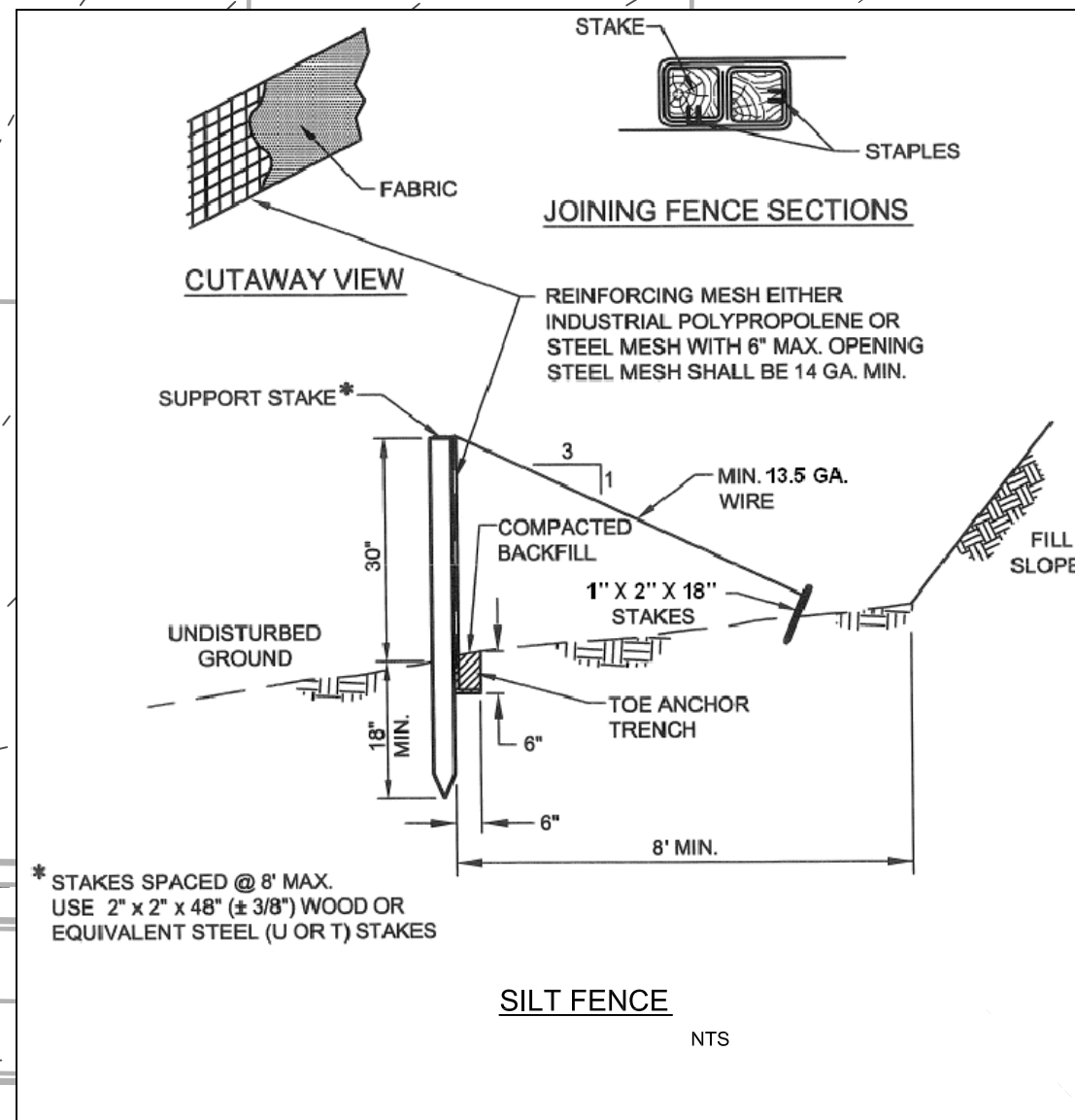
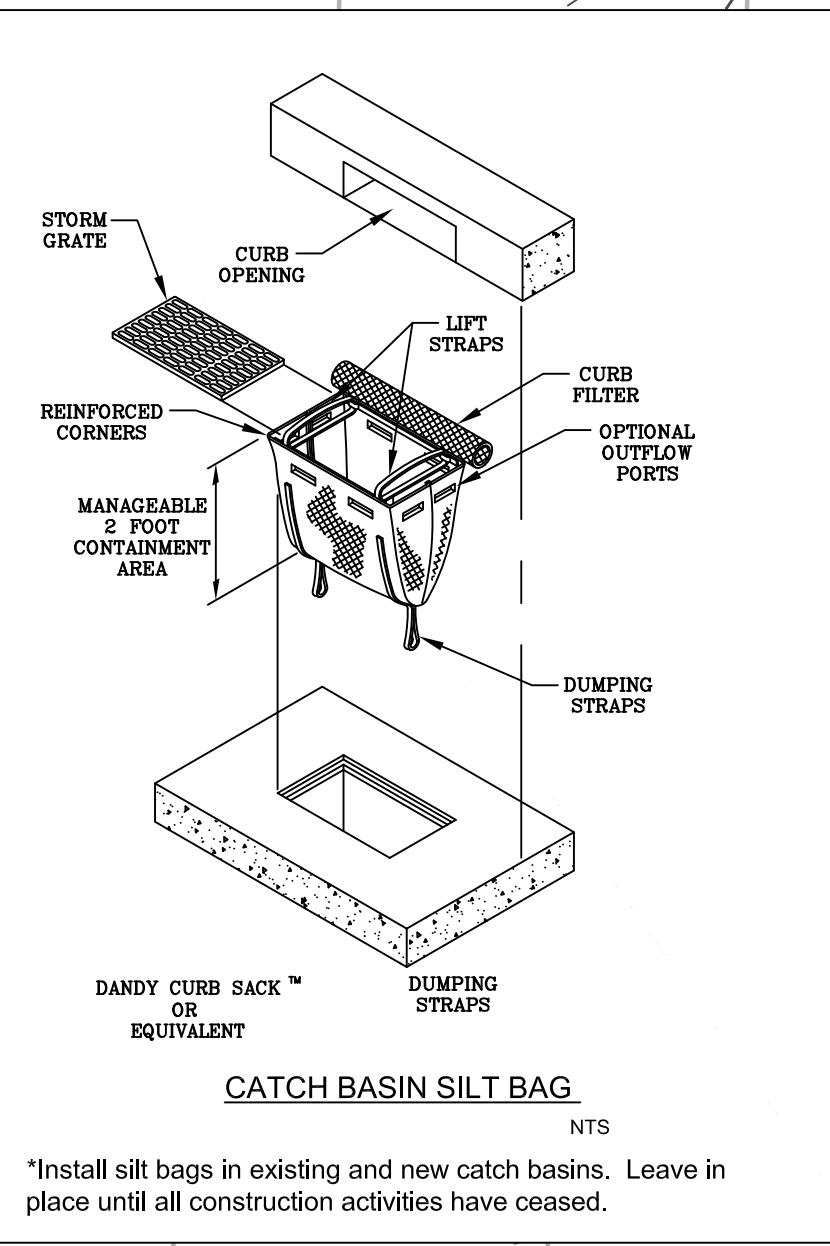
**NORTHEAST CROSSING ADDITION
 PHASE I/PROJECT I
 EXISTING SITE PLAN
 DK HOLDINGS, LLC
 LEWISTON, IDAHO**

HEDCO
 HAMMOND ENGINEERING & DEVELOPMENT CO.
 529 BRYDEN AVENUE LEWISTON, IDAHO 83801
 (208) 786-5422

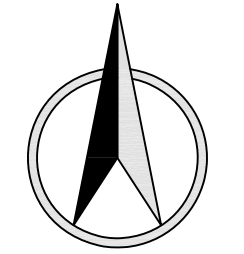
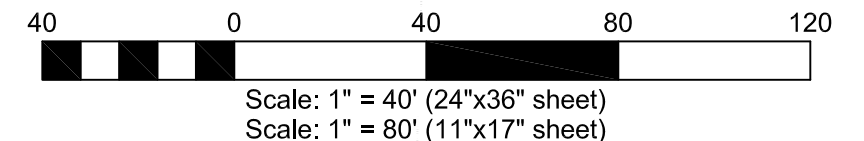
SHEET
C2

NOTES

1. SEDIMENTATION AND EROSION CONTROL MEASURES MUST BE INSPECTED BY QUALIFIED PERSONNEL. INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY 14-CALENDAR DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 0.5 INCHES OR GREATER. AN INSPECTION REPORT SHALL BE COMPLETED FOR EACH INSPECTION. ALL INSPECTIONS AND THE INSPECTION REPORT SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.
2. EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING OF SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE CONTRACTOR IS RESPONSIBLE FOR STREET CLEANUP AT THE END OF EACH SHIFT.
3. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL GUIDELINES
4. A SWPPP & NOI IS REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL REFERENCE THE STORMWATER POLLUTION PREVENTION MANUAL (SWPPP) FOR ALL EROSION CONTROL PROCEDURES ON SITE.



SITE AREA 8.37± ACRES
DISTURBED AREA 7.62± ACRES



REVISION	DESCRIPTION	CHECKED	APPRO.
REV. DATE	DESCRIPTION		
LTR.			

SCALE 1"=40'

DRAWN BY MEE

CHECKED BY JSH

DATE 03-19-15

JOB# 1432

SHEET C3

DRAWING # 1432-C3

HEDCO

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR

#2102

STATE OF IDAHO

4/23/15

NORTHEAST CROSSING ADDITION - PH I/PROJECT I

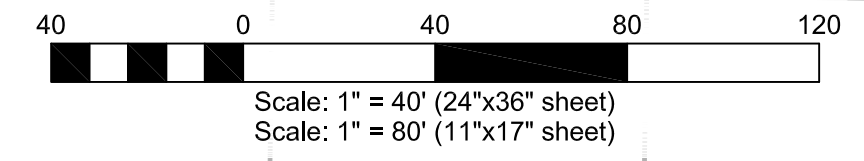
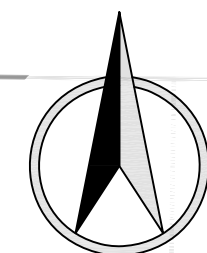
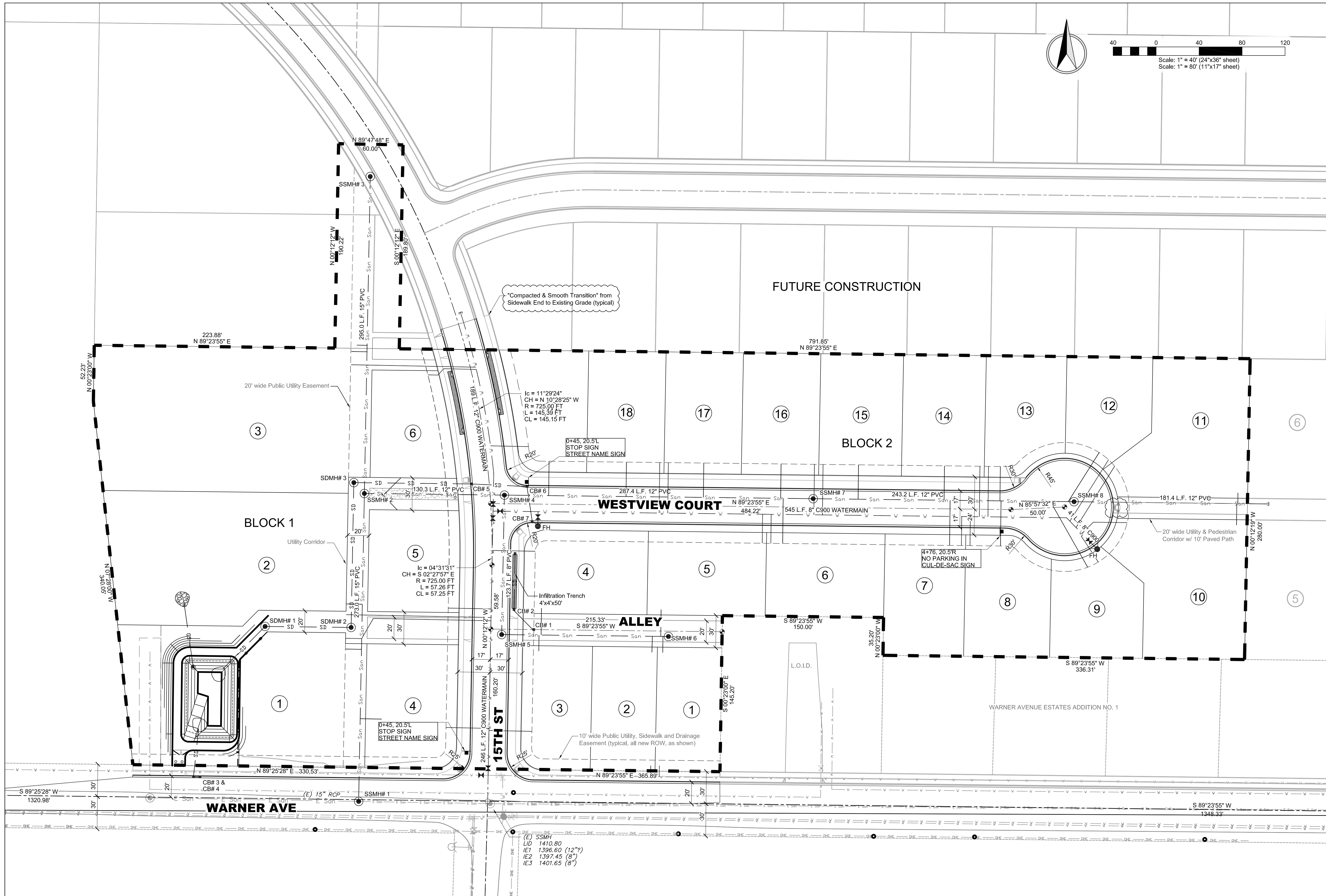
CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN

DK HOLDINGS, LLC

LEWISTON, IDAHO

HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 750-5422

SHEET **C3**



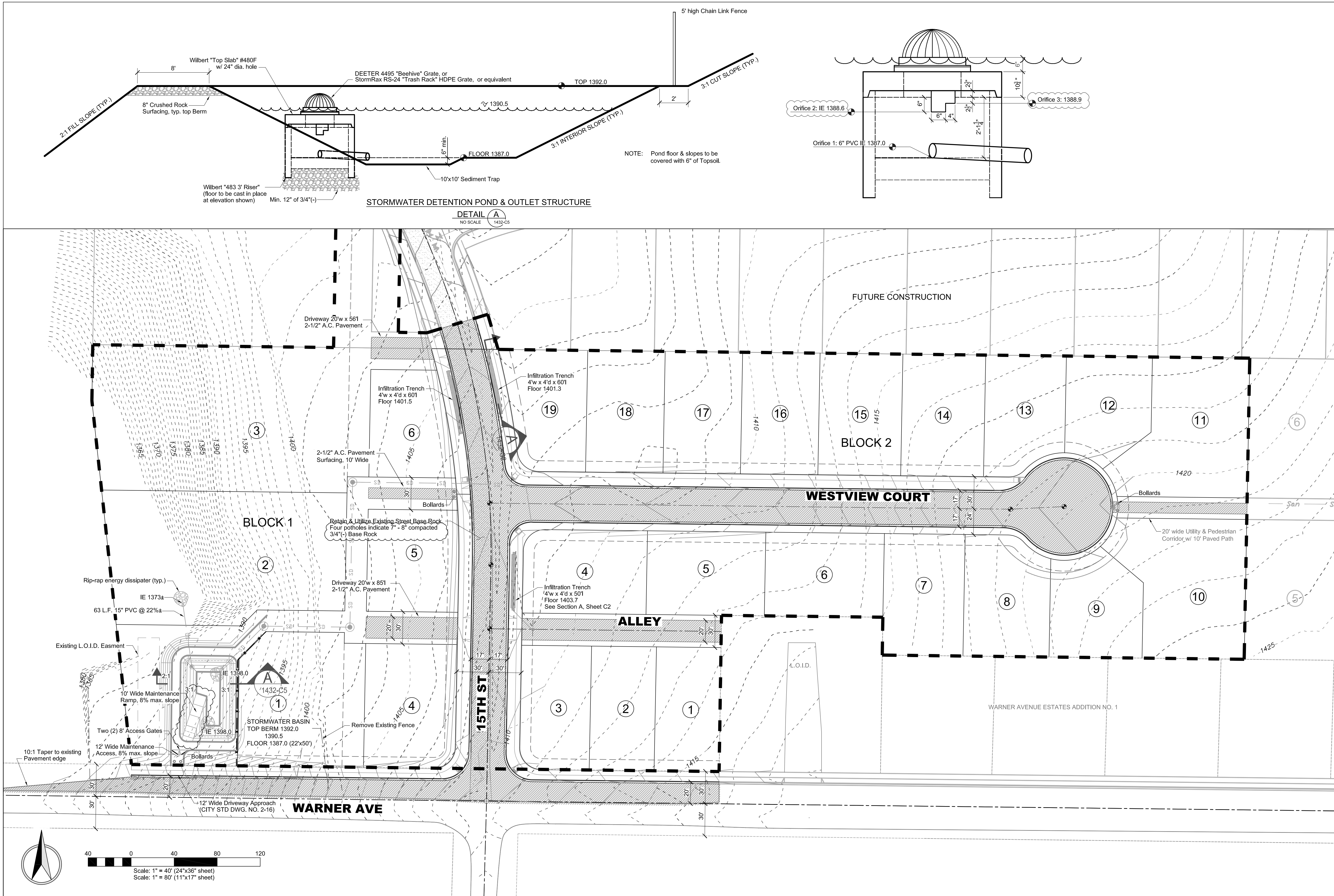
REV. LTR.	DATE	DESCRIPTION	CHECKED	APPD.
A	04-22-15	Revised as per City Review Comments dated 04-16-15		

SCALE: 1"=40'
DRAWN BY: MEE
DATE: 03-19-15
SHEET: C4
DRAWING #: 1432-C4

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
SITE DEVELOPMENT PLAN
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 786-5422

SHEET **C4**



REV. LTR.	DATE	DESCRIPTION	CHECKED	APPRO.
A	03-24-15	Revised Detention Pond Outflow Orifices		
B	04-23-15	Revised as per City Review Comments dated 04-16-15		

SCALE	1"=40'
DRAWN BY	MEE
CHECKED BY	JSH
DATE	03-09-15
SHEET	C5
DRAWING #	1432-C5

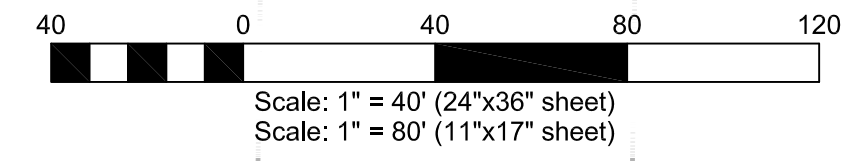
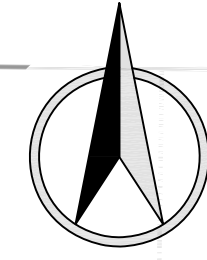
**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
SITE PAVING & STORMWATER PLAN
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 750-5422

SHEET
C5

LEGEND

- AVISTA
- HANDHOLE
 - △ TRANSFORMER
 - JUNCTION BOX
 - E1 — POWER (PRIMARY)
 - E2 — POWER (SECONDARY)
 - Gas — GAS
 - STREET LIGHT
(100w w/ 30' cobra-head style on 30' pole mounting height)



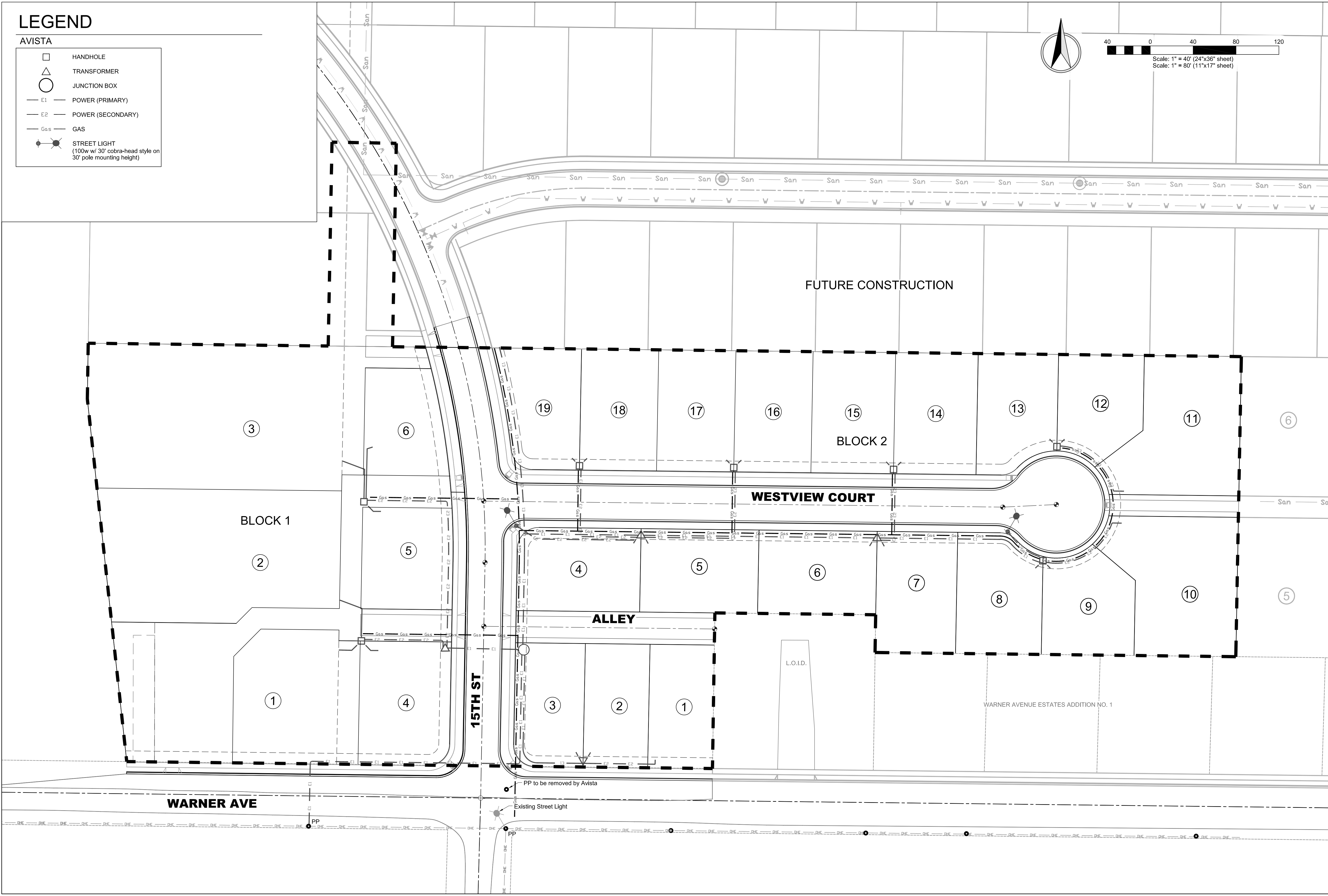
REV. LTR.	DATE	DESCRIPTION	CHECKED	APPD.
A	04-22-15	Revised as per City Review Comments dated 04-16-15		

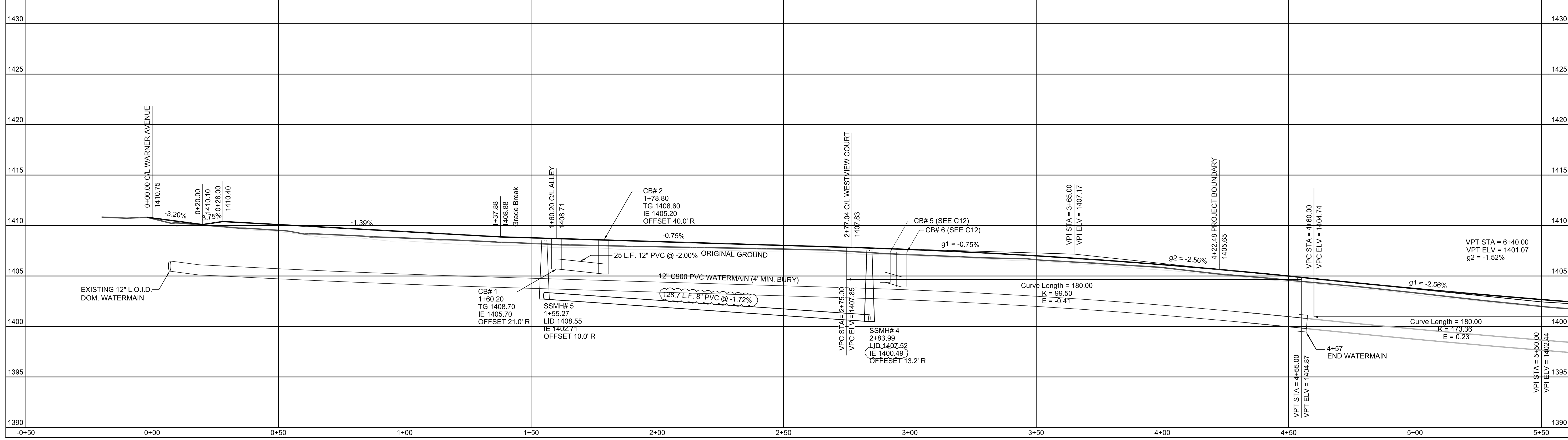
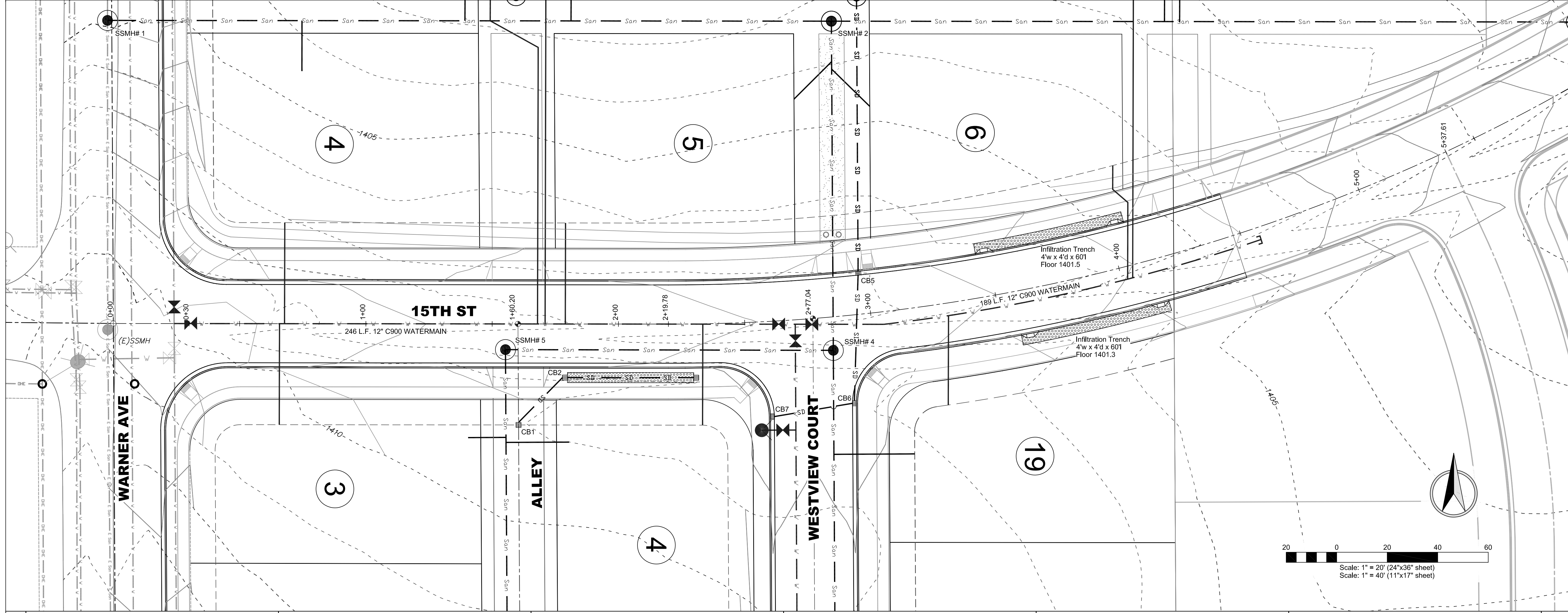
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DRAWN BY	MEE	CHECKED BY	JSH
DATE	03-19-15	JOB #	1432
SHEET	C6	DRAWING #	1432-C6

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
FRANCHISE UTILITY PLAN
DK HOLDINGS, LLC
LEWISTON, IDAHO**



SHEET **C6**





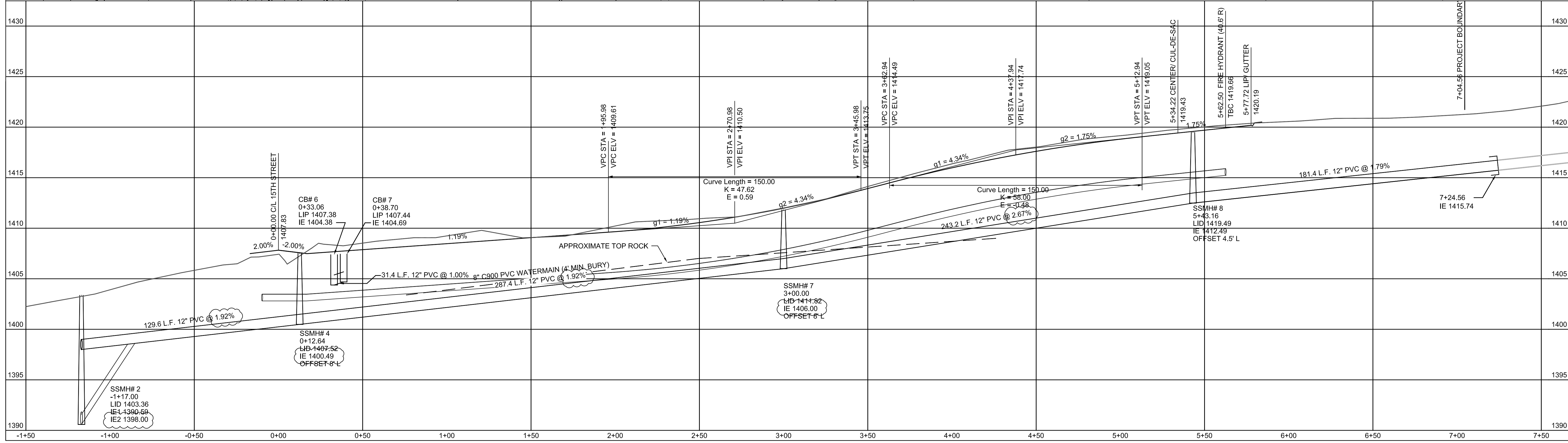
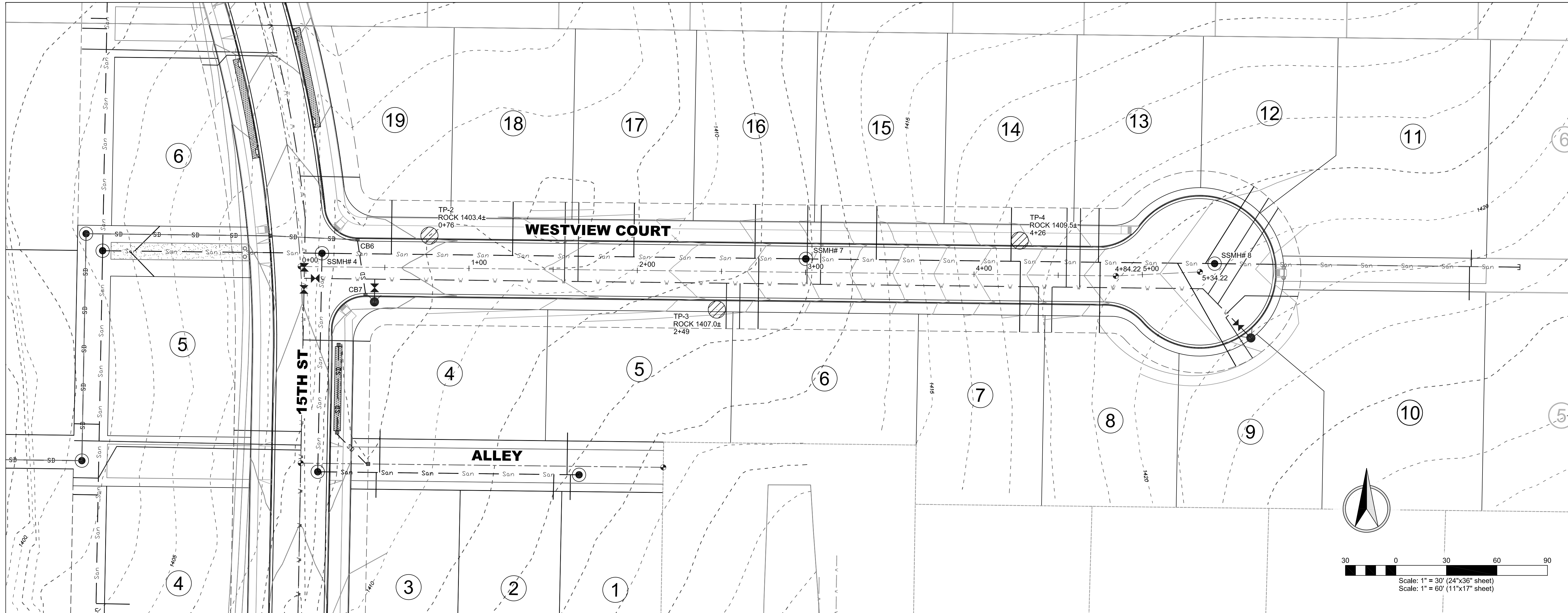
REV. DATE	DESCRIPTION	CHECKED	APPD.
A 04-15-15	"Option B", revised Sanitary Sewer Inverts		
B 04-22-15	Revised as per City Review Comments dated 04-16-15		

SCALE	1"=20'
DRAWN BY	MEE
CHECKED BY	JSH
DATE	03-19-15
JOB #	1432
SHEET	C7
DRAWING #	1432-C7

REGISTERED ENGINEER - LAND SURVEYOR	PROFESSIONAL SEAL
#2102	DAVID R. SHAW
DATE OF EXPIRATION	4/23/15

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
15TH STREET PLAN & PROFILE
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 786-5422



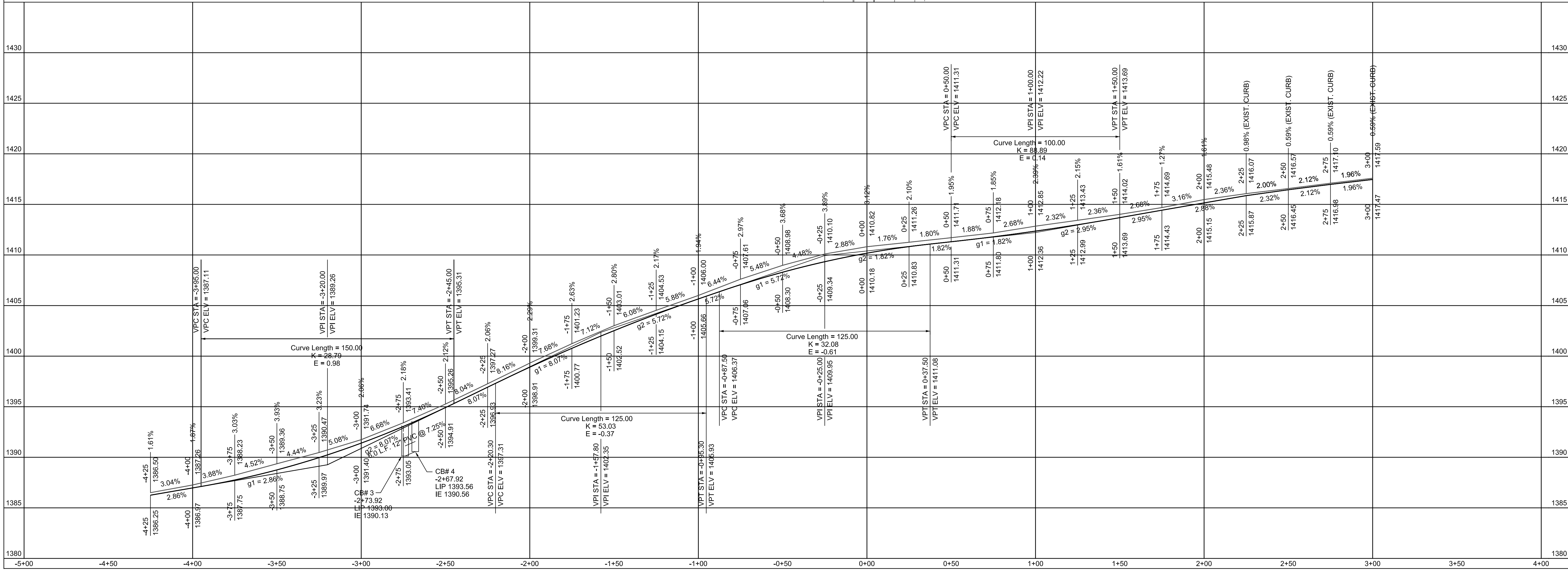
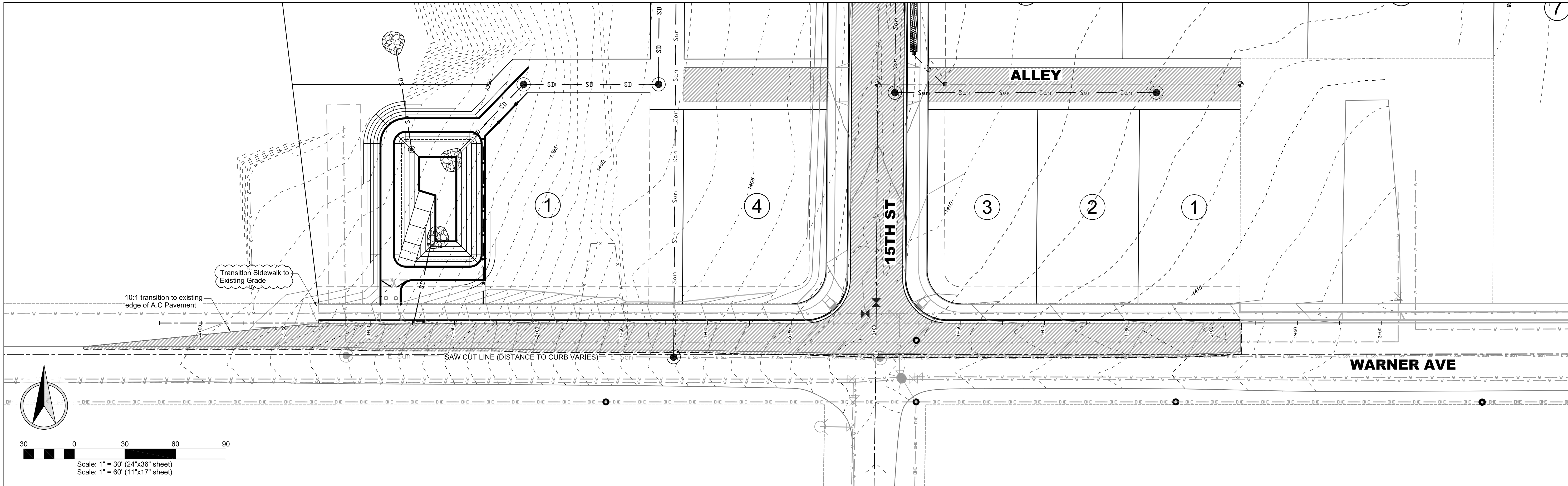
REVISION	DATE	DESCRIPTION	CHECKED	APPD.
A	04-15-15	"Option B", revised Sanitary Sewer Inverts		
B	04-23-15	Revised as per City Review Comments dated 04-15-15		

SCALE	1" = 30'
SHEET SIZE	D
DRAWN BY	MEE
CHECKED BY	JSH
DATE	03-19-15
JOB #	1432
SHEET	C8
DRAWING #	1432-C8

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
 #2102
 STATE OF IDAHO
 S. SHAW
 4/23/15

**NORTHEAST CROSSING ADDITION
 PHASE I/PROJECT I
 WESTVIEW COURT PLAN & PROFILE
 DK HOLDINGS, LLC
 LEWISTON, IDAHO**

HEDCO
 HAMMOND ENGINEERING & DEVELOPMENT CO.
 528 BRYDEN AVENUE LEWISTON, IDAHO 83501
 (208) 750-5422



REV. LTR.	DATE	DESCRIPTION	CHECKED	APPD.
A	03-19-15	Revised as per City Review Comments dated 04-16-15		

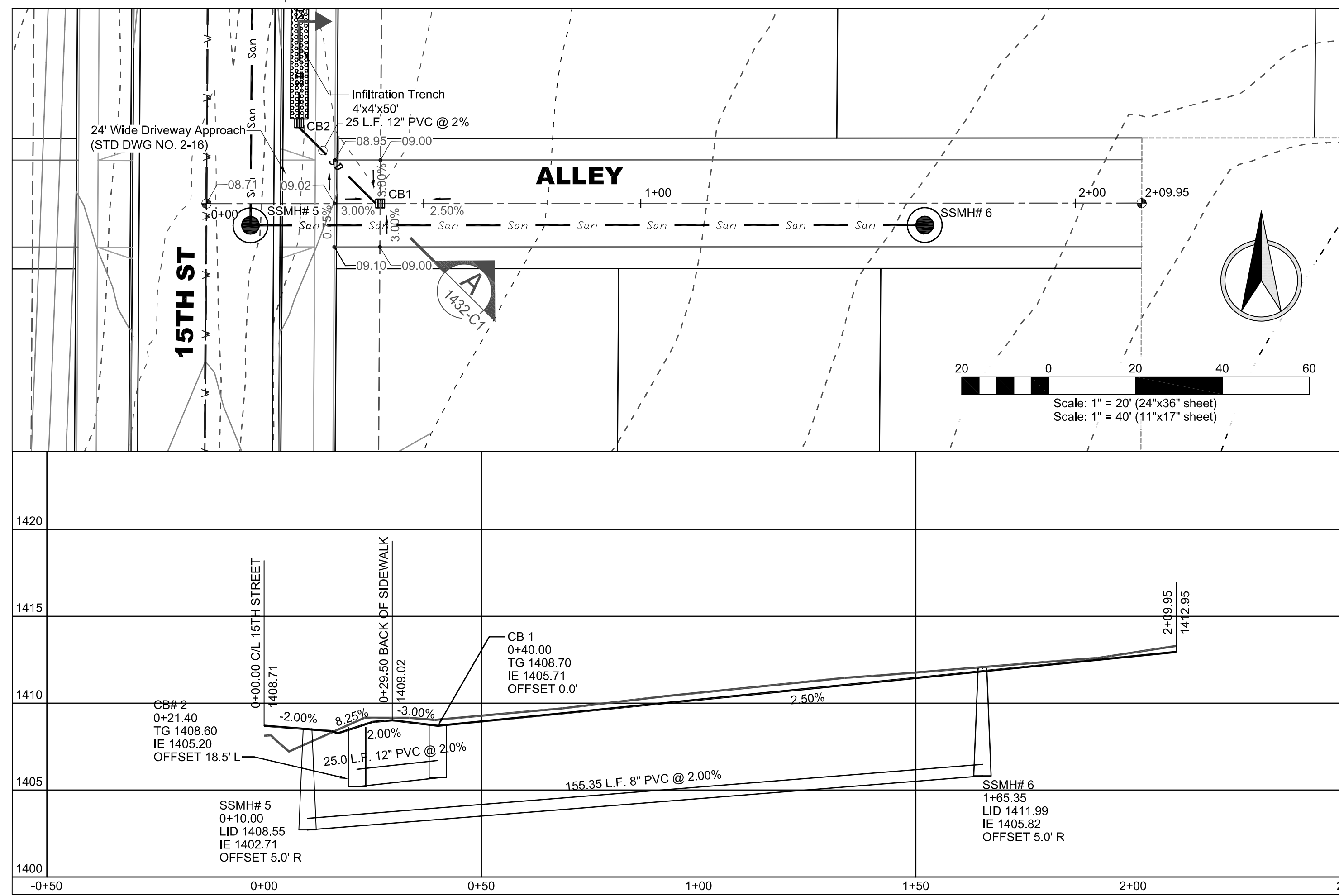
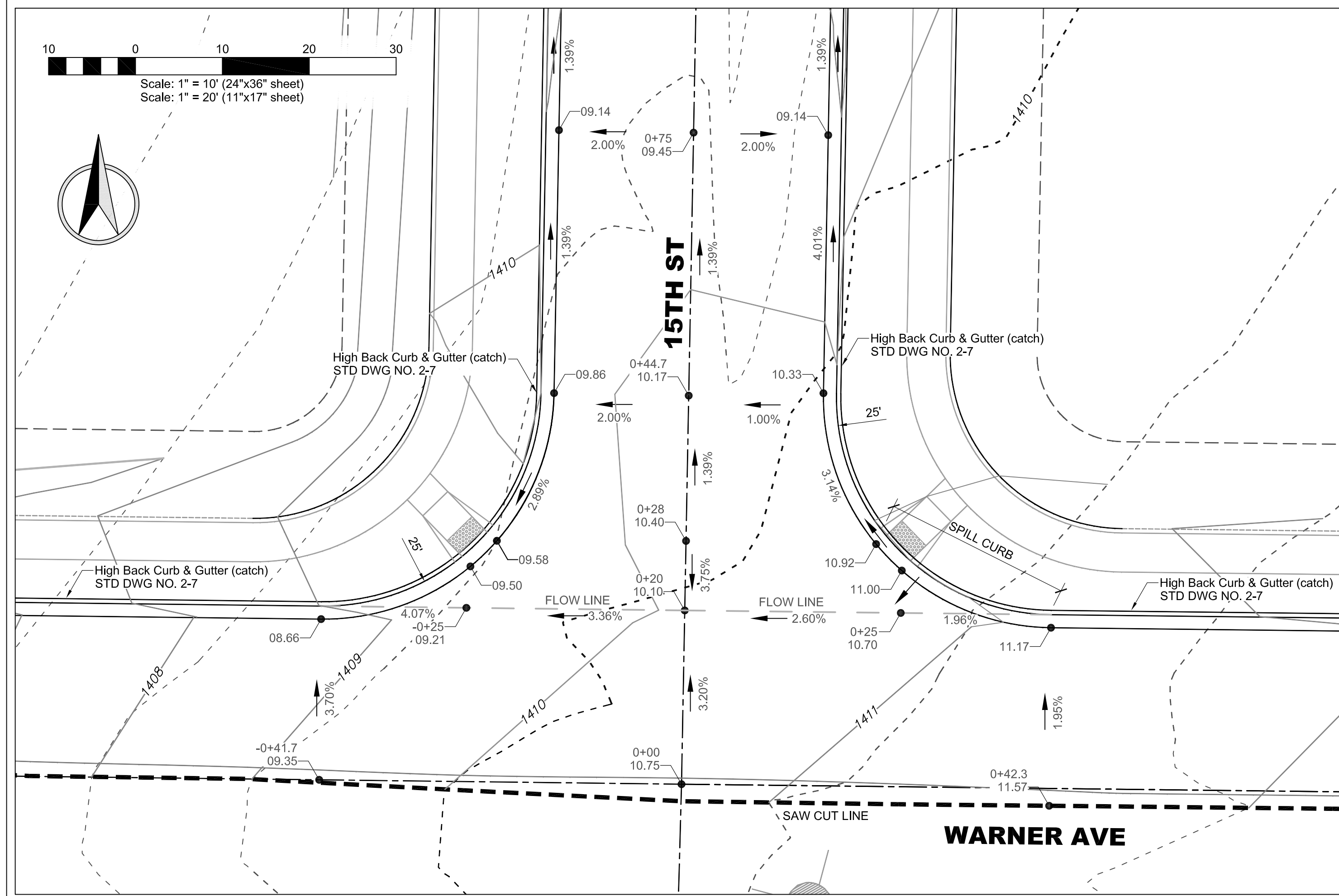
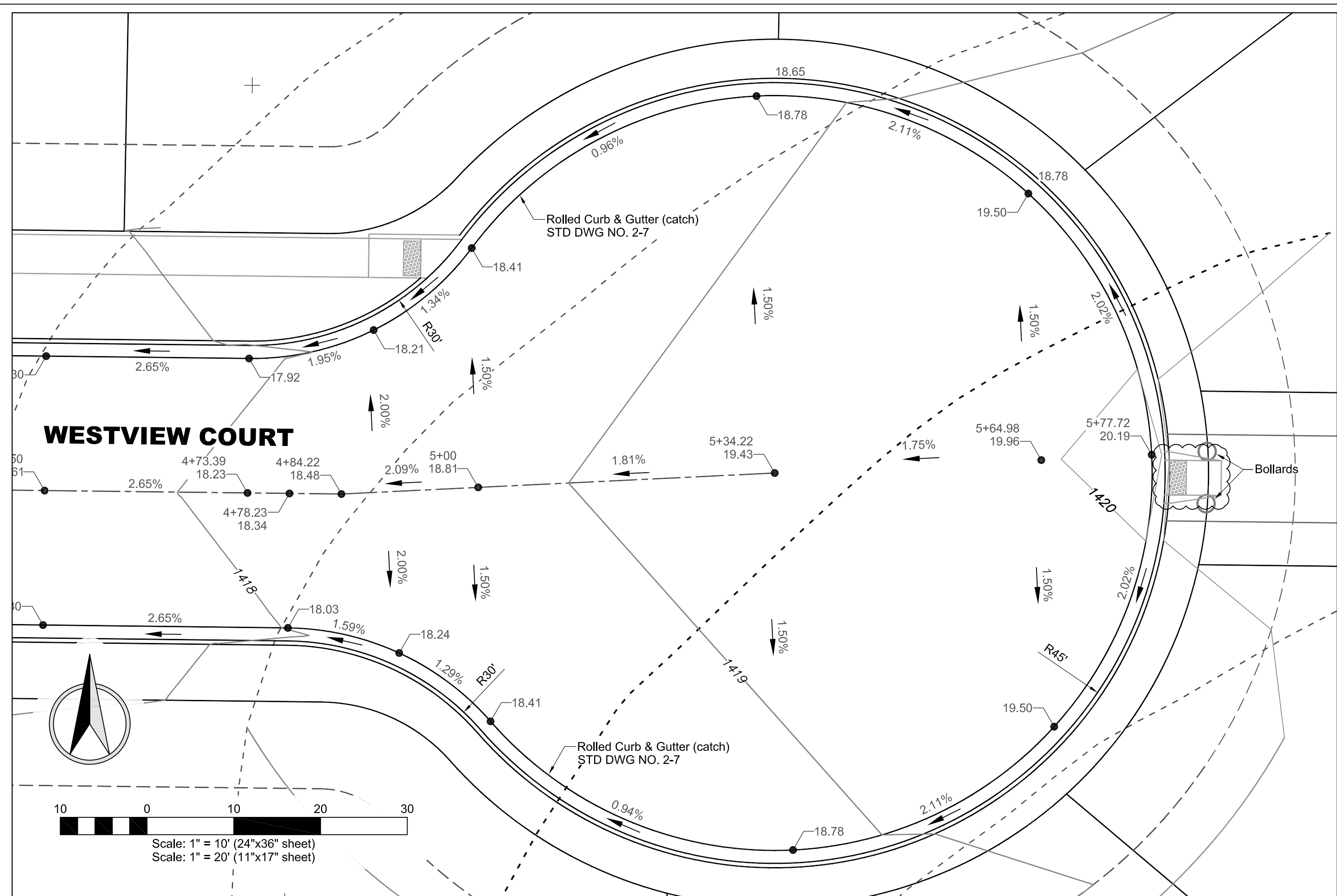
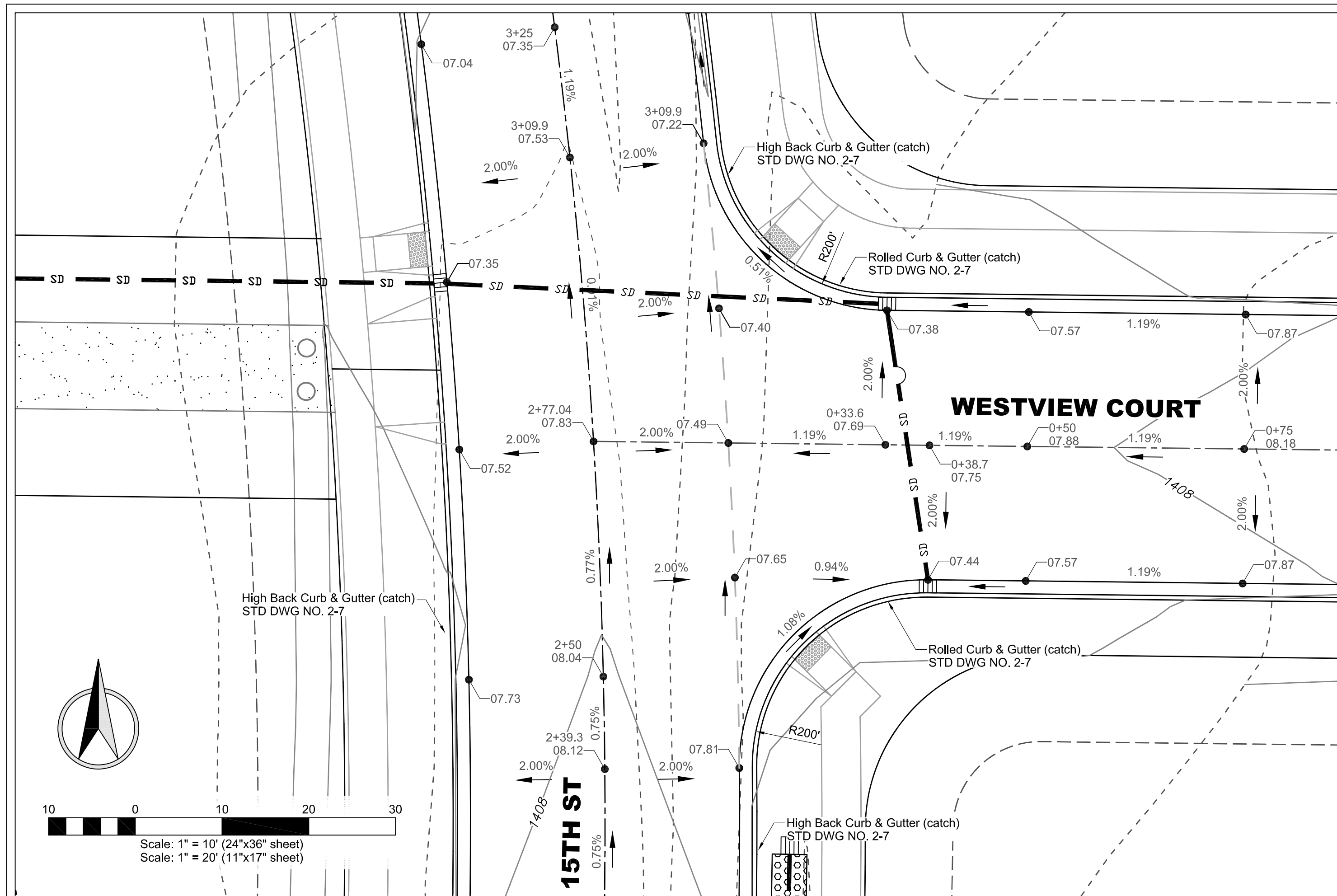
SCALE	1"=20'	CHECKED BY	JSH
DRAWN BY	MEE	JOB #	1432
DATE	03-19-15	SHEET	C9
DRAWING #	1432-C9		

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR	PROJECT NO.	DATE OF EXPIRATION
#2102	1432	04/30/16
STATE OF IDAHO		
412315		

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
WARNER AVENUE CURB PLAN & PROFILE
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 786-5422

SHEET **C9**



REV	DATE	DESCRIPTION	CHECKED	APPD.
A	04-22-15	Revised as per City Review Comments dated 04-16-15		

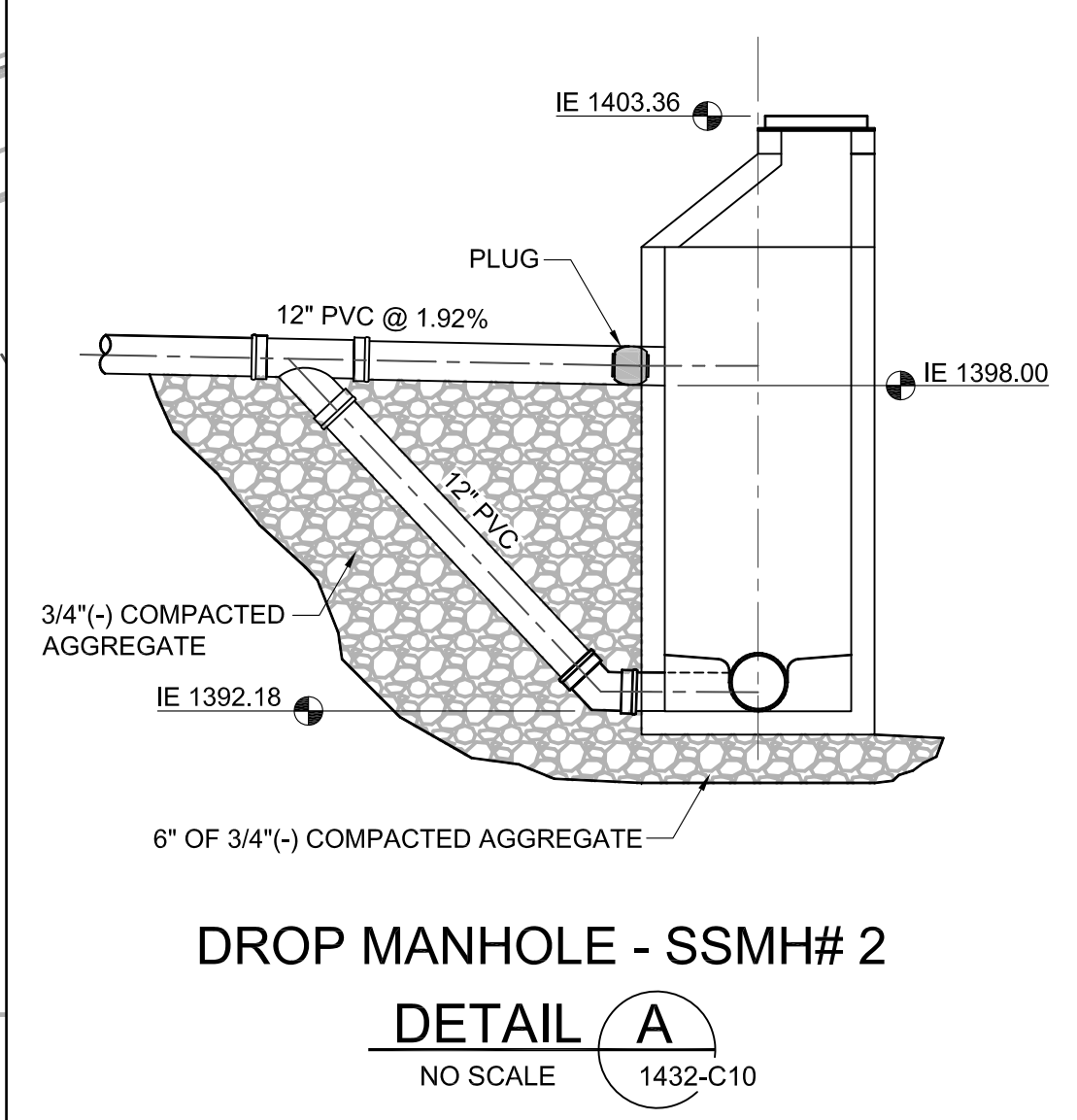
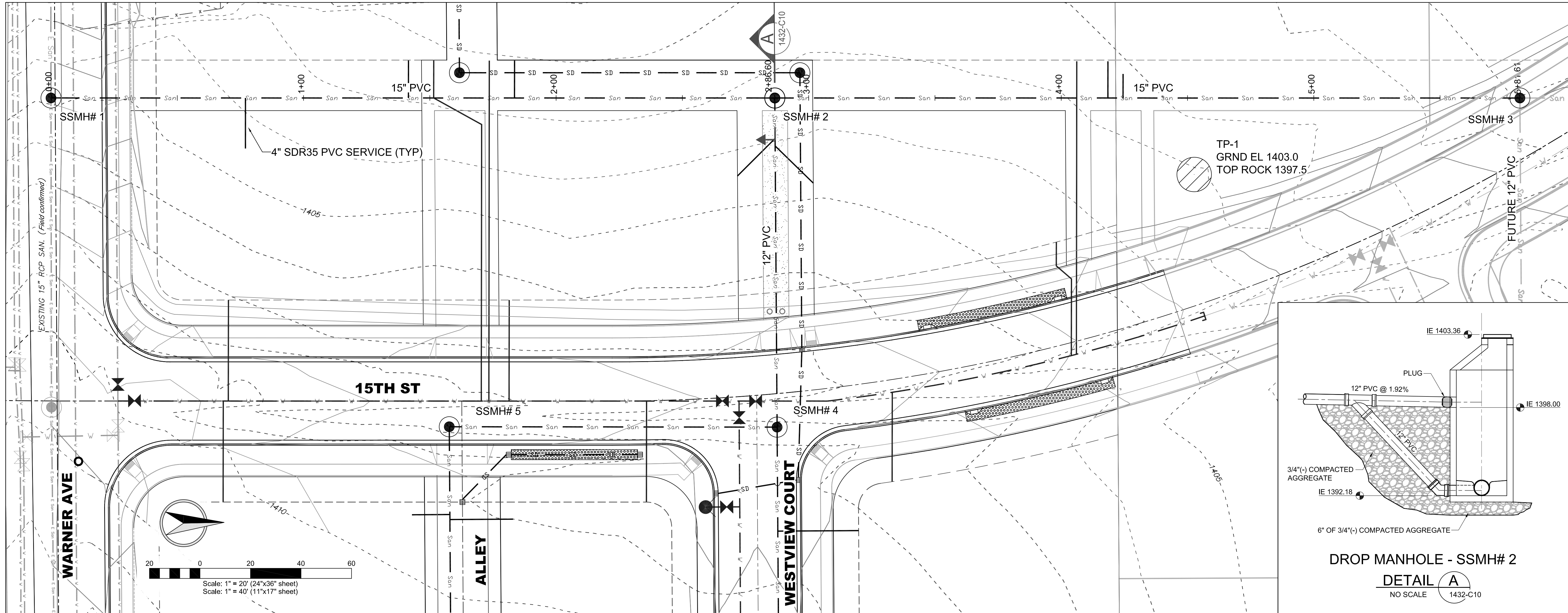
SCALE AS SHOWN	D	SHEET SIZE	D
DRAWN BY	MEE	CHECKED BY	JSH
DATE	03-19-15	JOB #	1432
SHEET	C10	DRAWING #	1432-C10

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR	OFFICE OF SHAW
#2102	4/23/15

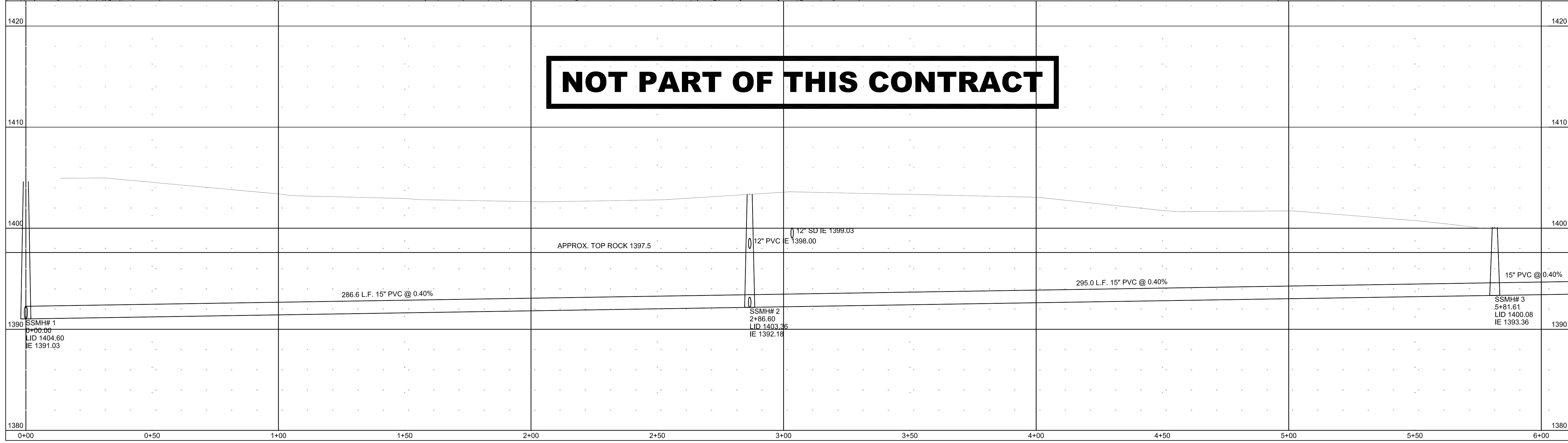
NORTHEAST CROSSING ADDITION - PH I/PROJECT I
INTERSECTION DETAILS/ALLEY PLAN & PROFILE
DK HOLDINGS, LLC
LEWISTON, IDAHO

HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 786-5422

SHEET **C10**



NOT PART OF THIS CONTRACT



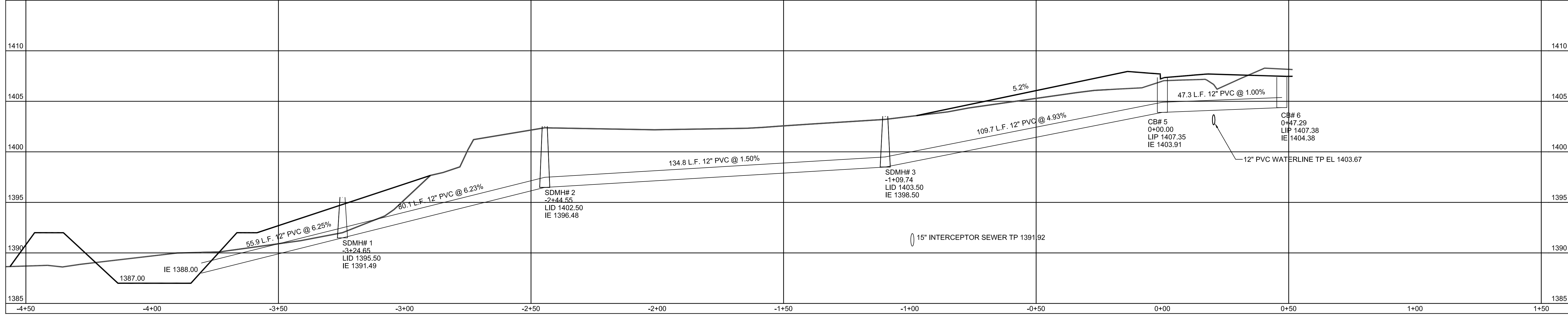
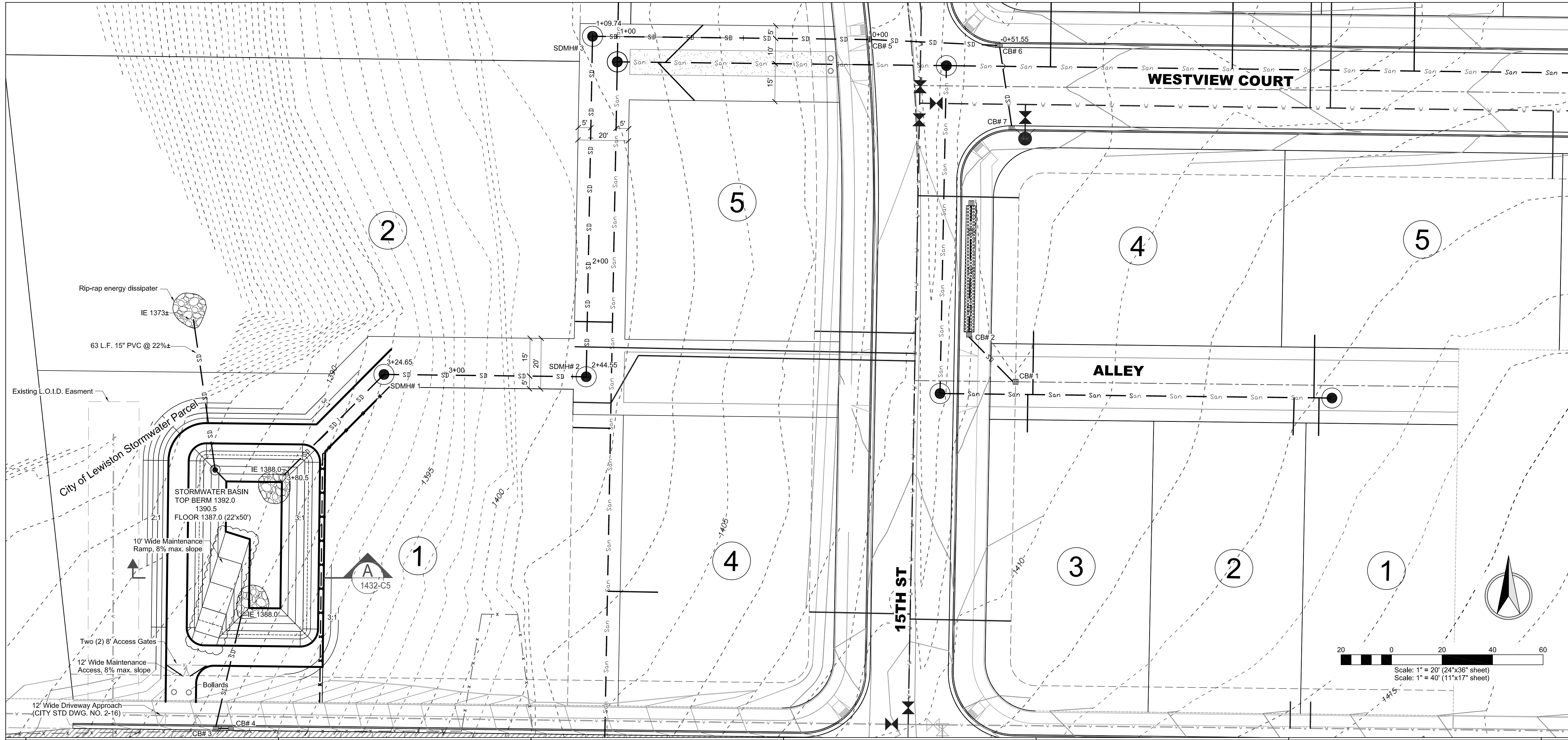
REV. LTR.	DATE	DESCRIPTION	CHECKED	APPROV.
A	03-06-15	Future Pipe size shown		
B	03-19-15	Revised Inverts & Grade due to Existing Pipe @ SSMH# 1 being higher than assumed		
C	04-25-15	Revised as per City Review Comments dated 04-16-15		

SCALE	1"=20'	SHEET	C11	DRAWING #	1432-C11
DRAWN BY	MEE	CHECKED BY	JSH	DATE	03-19-15
DESIGNED BY		PROJECT	1432		

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR	REGISTERED PROFESSIONAL ENGINEER - CIVIL
#2102	#473715
DAVID S. SHAW	DAVID S. SHAW

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
INTERCEPTOR SANITARY SEWER PLAN & PROFILE
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 750-5422

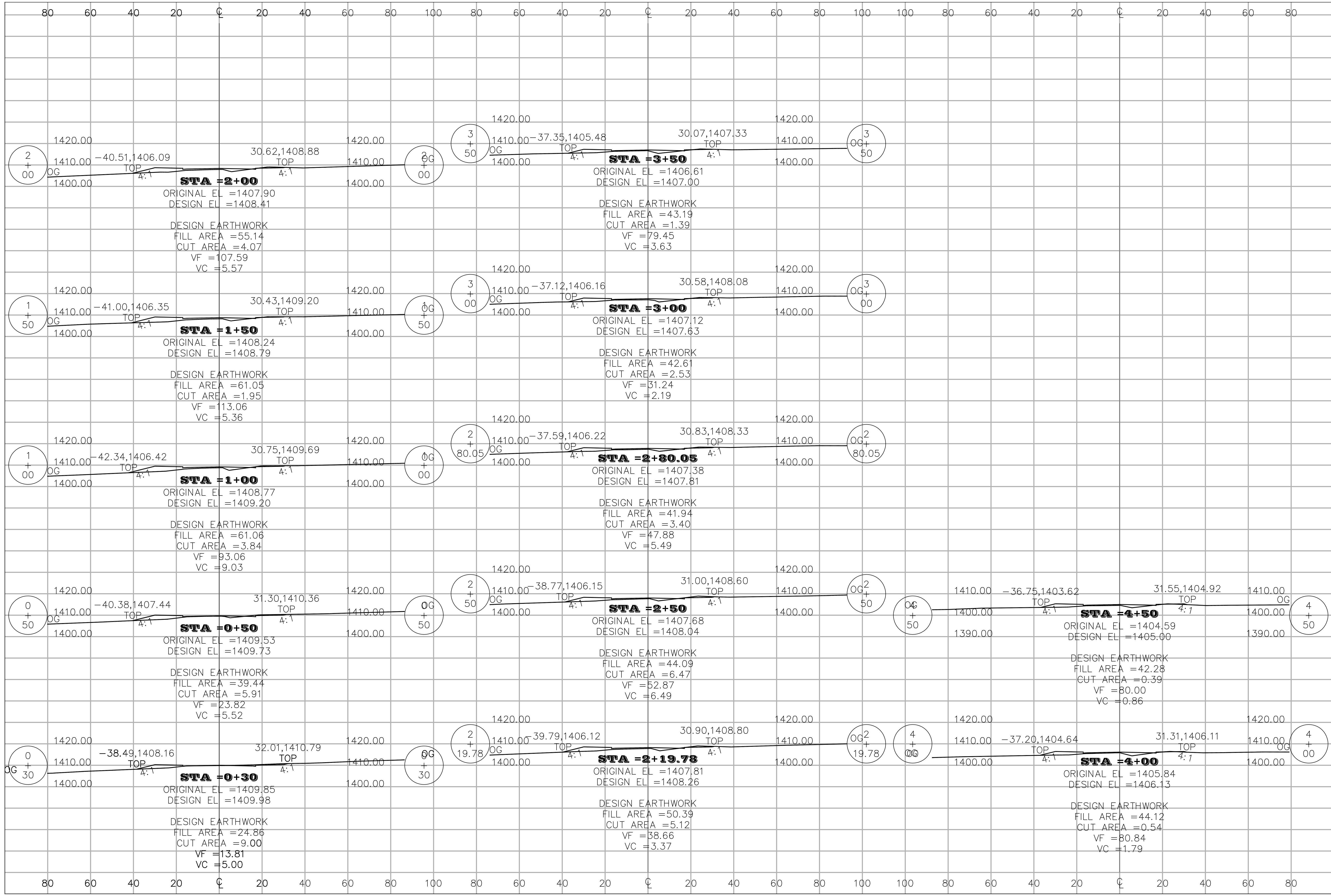


REV	DATE	DESCRIPTION	CHECKED	APPD.
A	04-25-15	Revised as per City Review Comments dated 04-16-15		

SCALE	1"=20'
DRAWN BY	MEE
CHECKED BY	JSH
DATE	03-19-15
JOB #	1432
SHEET	C12
DRAWING #	1432-C12

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
STORM LINE PLAN & PROFILE
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 786-5422



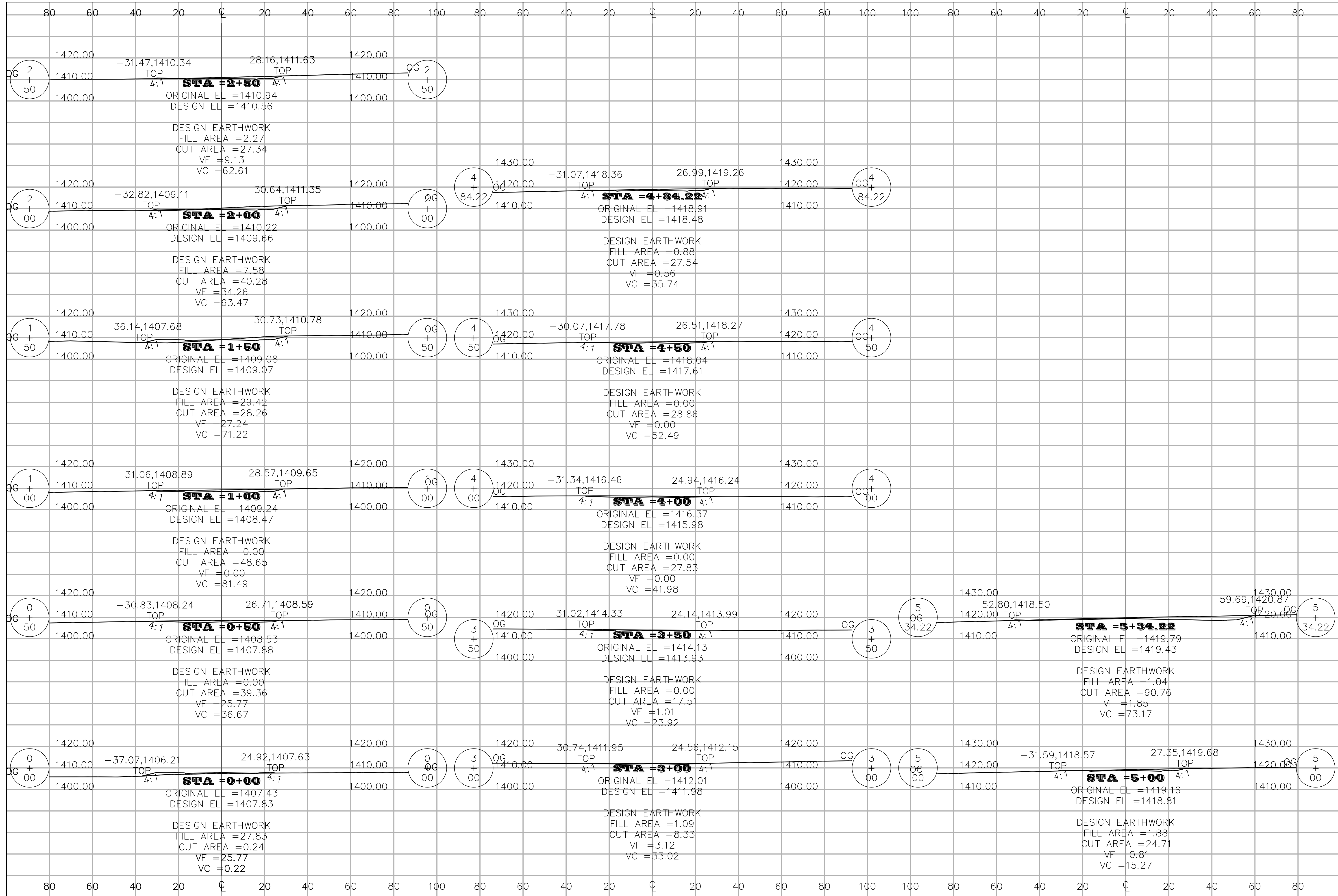
REV	DATE	DESCRIPTION	CHECKED	APPR.

SCALE: SHEET SIZE D
DRAWN BY: MEE
DATE: 03-19-15
JOB #: 1432
SHEET: C13
DRAWING #: 1432-C13

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
#2102
STATE OF IDAHO
SHAW
4/23/15

NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
15TH STREET X-SECTIONS
DK HOLDINGS, LLC
LEWISTON, IDAHO





REVISION	DESCRIPTION	CHECKED	APPROVED
REV. DATE			
LTR.			

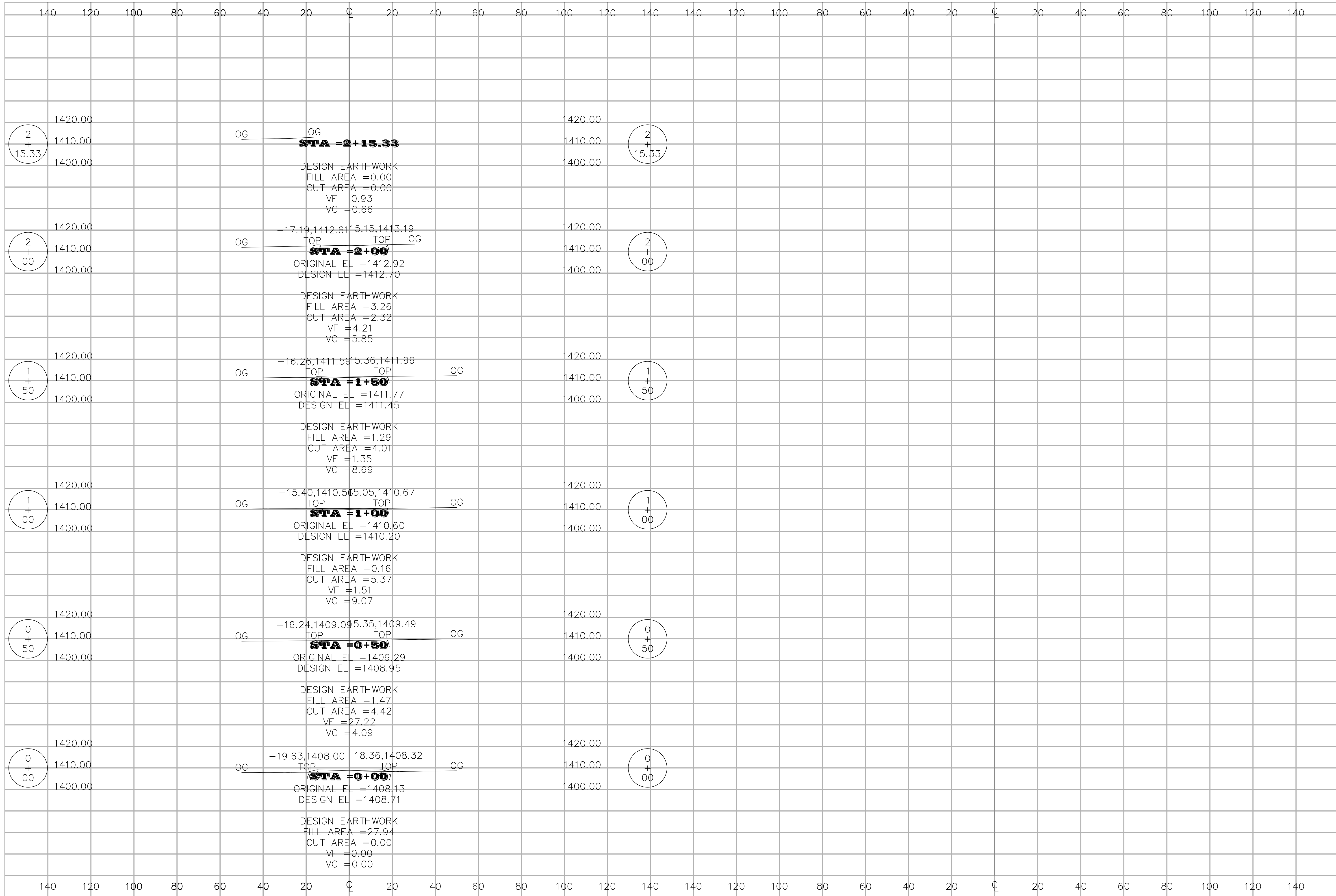
SCALE	SHEET SIZE	DRAWN BY	CHECKED BY	DATE	JOB #	SHEET	DRAWING #
	D	MEE	JSH	03-19-15	1432	C14	1432-C14

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
 #2102
 STATE OF IDAHO
 W. SHAW
 4/23/15

**NORTHEAST CROSSING ADDITION
 PHASE I/PROJECT I
 WESTVIEW COURT X-SECTIONS
 DK HOLDINGS, LLC
 LEWISTON, IDAHO**

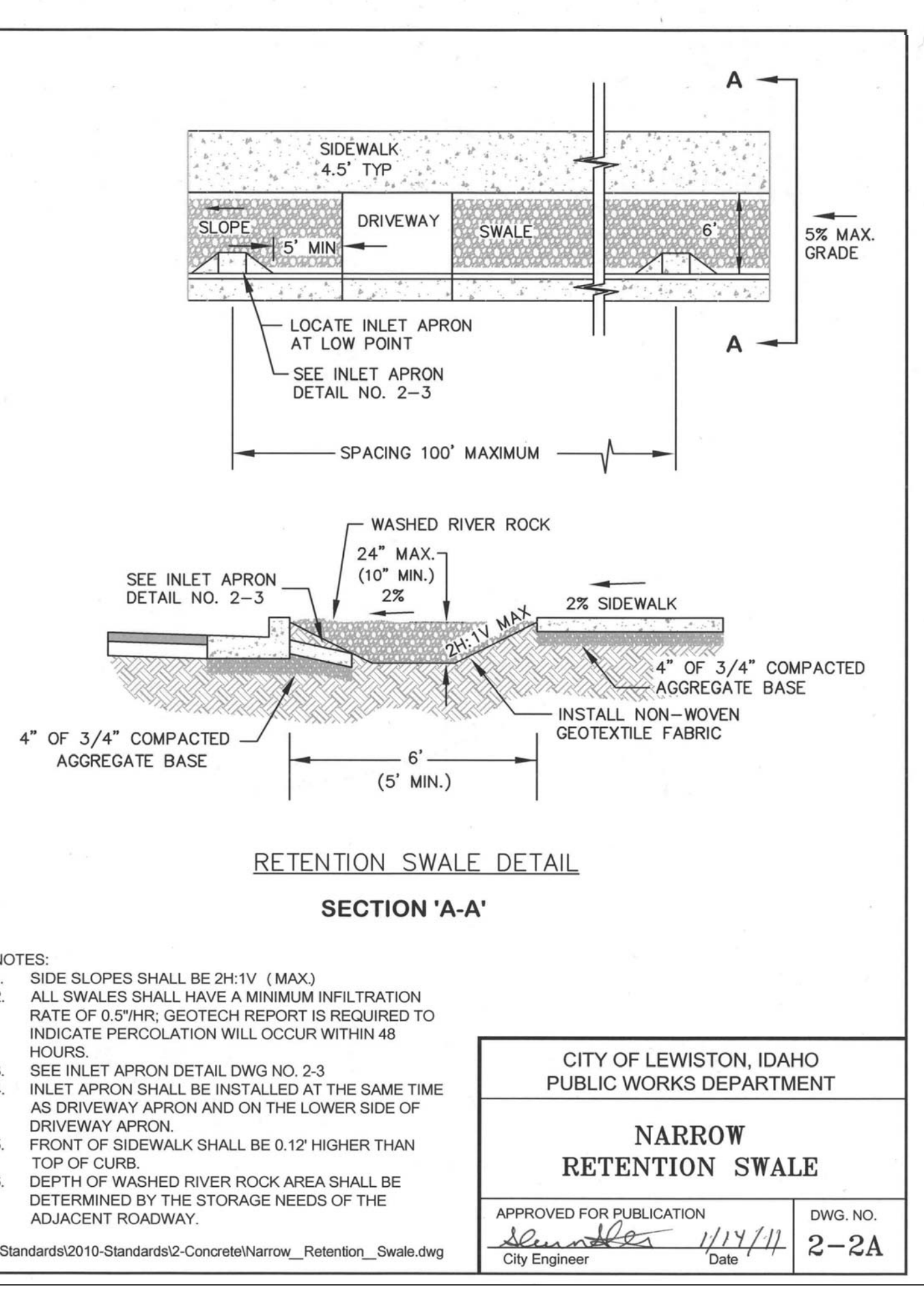
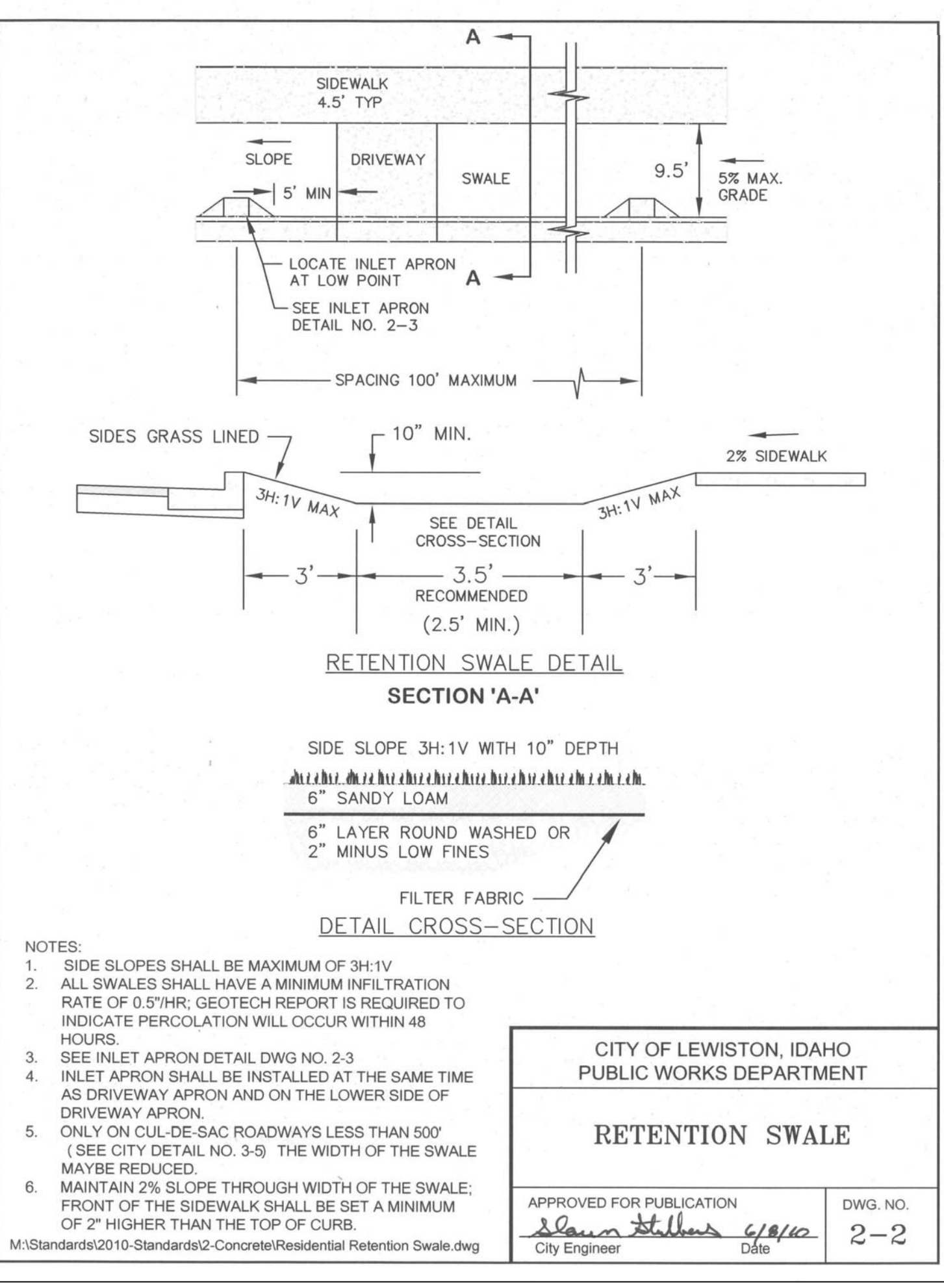
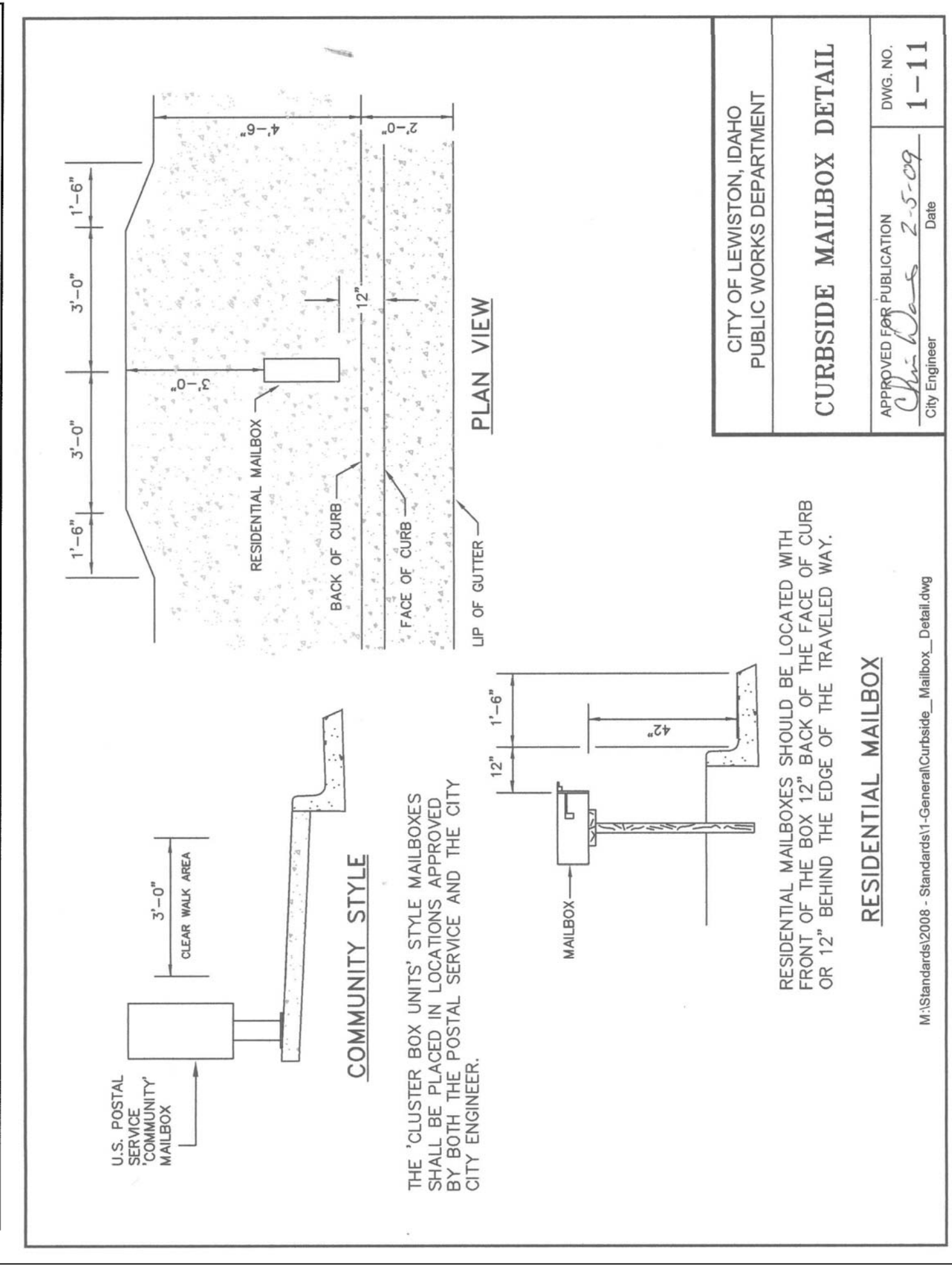
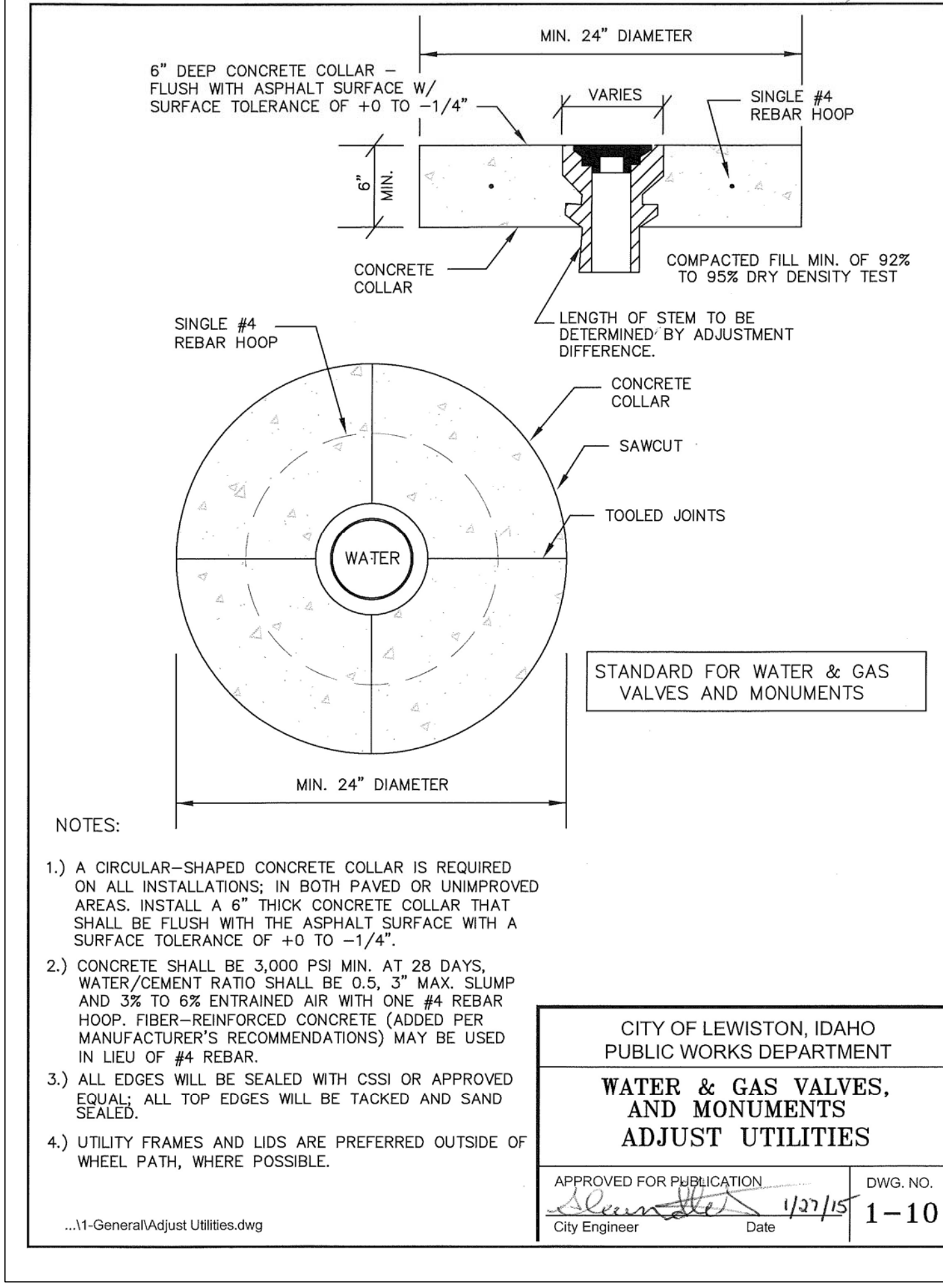
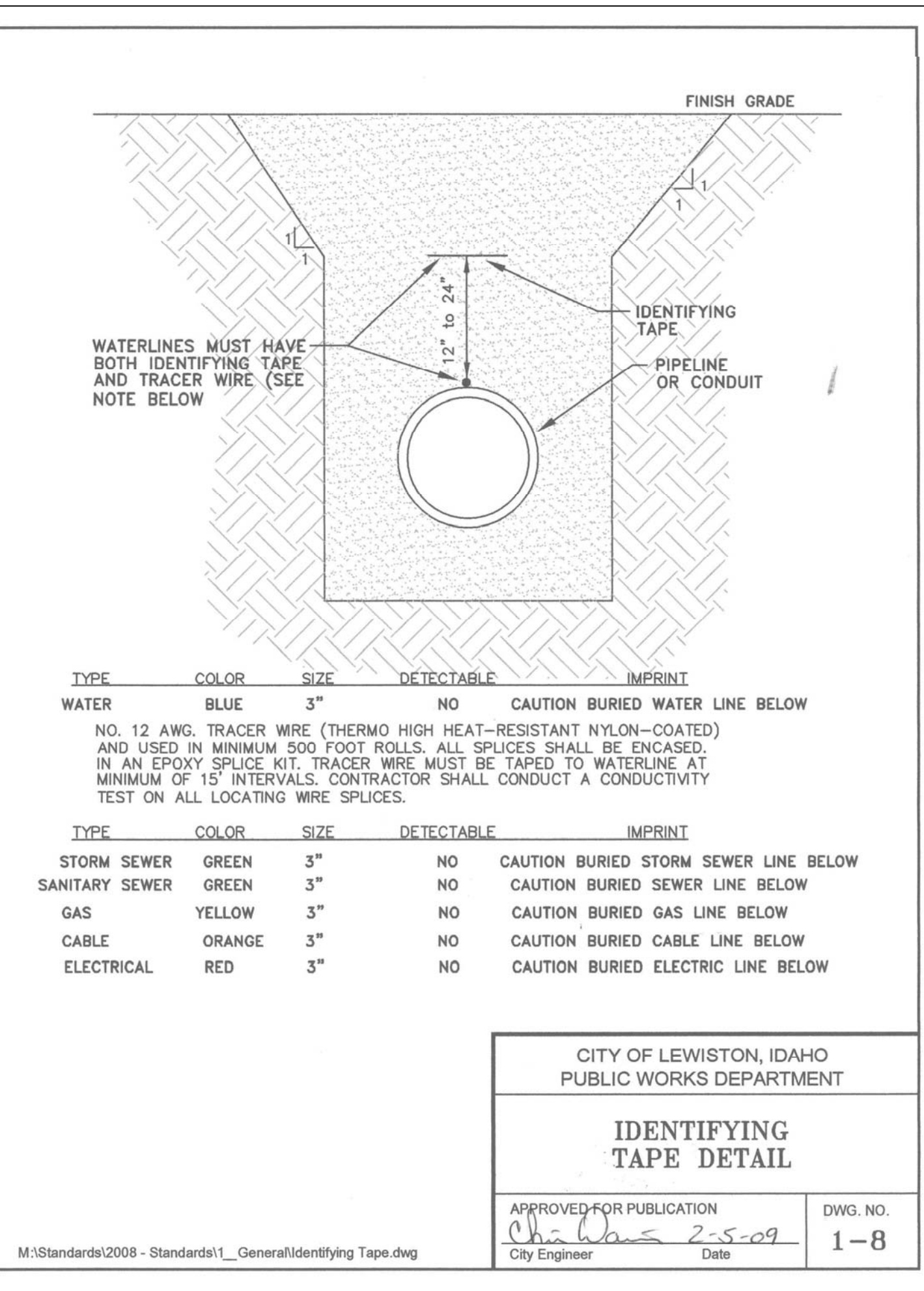
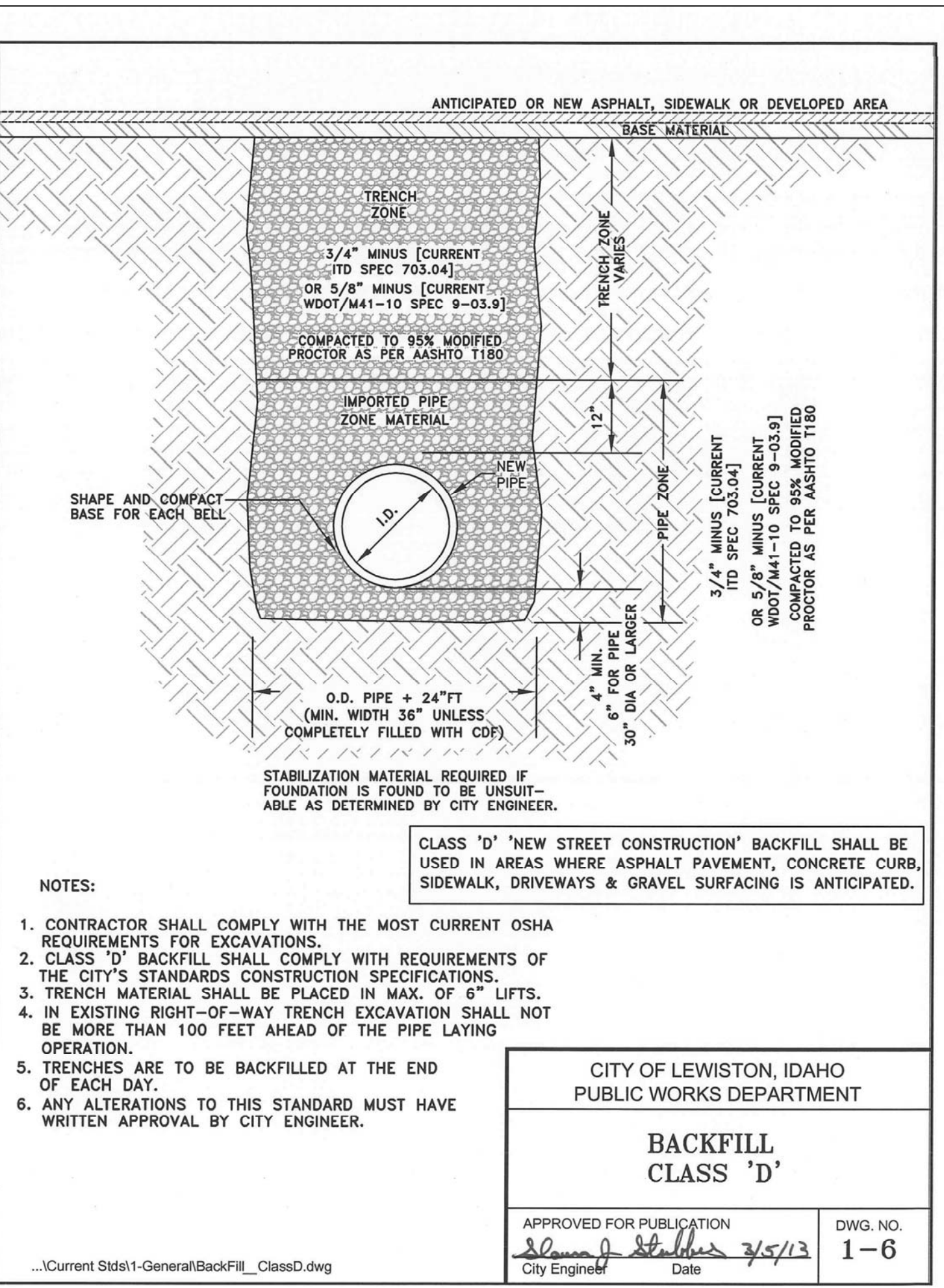
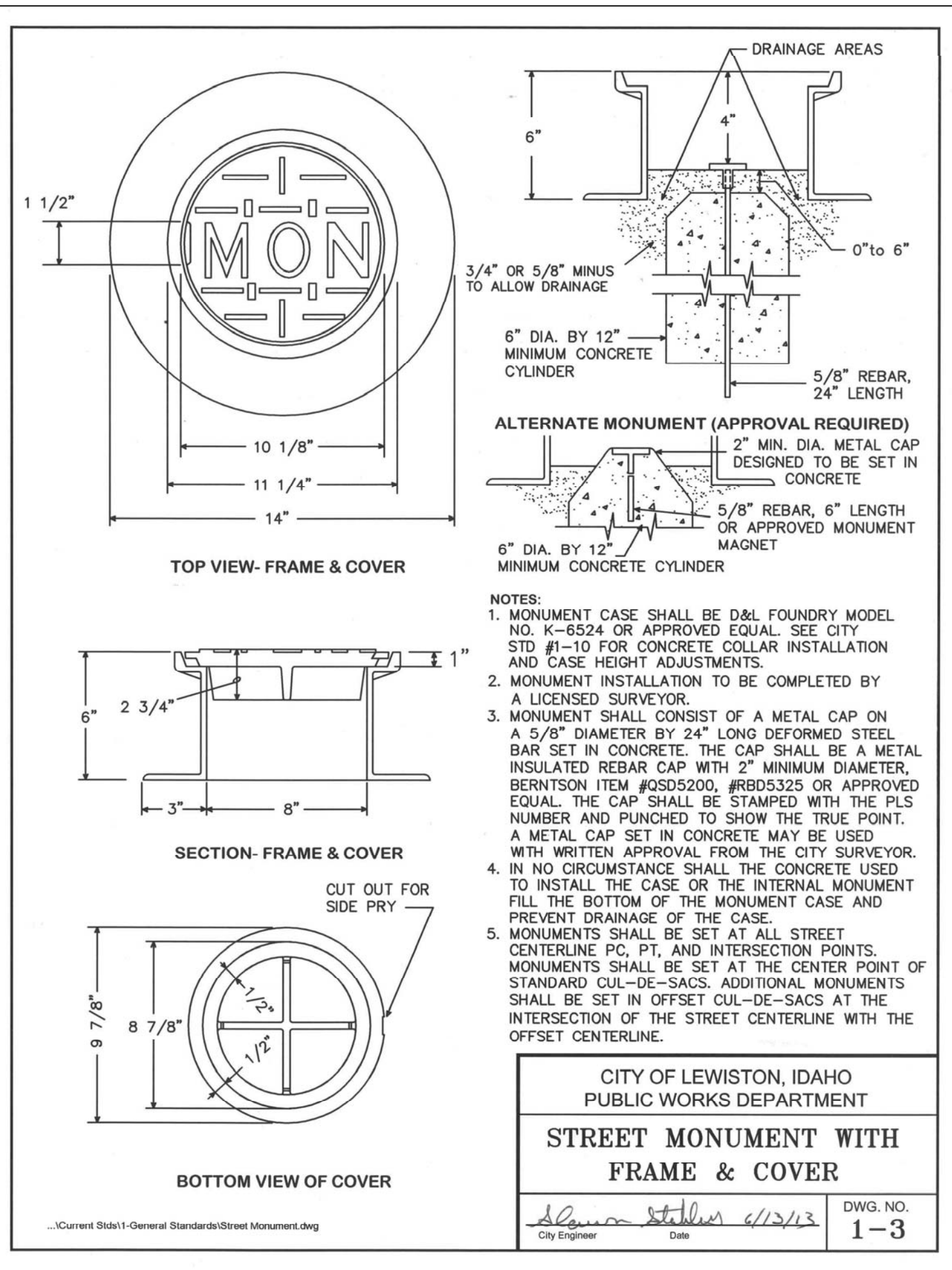
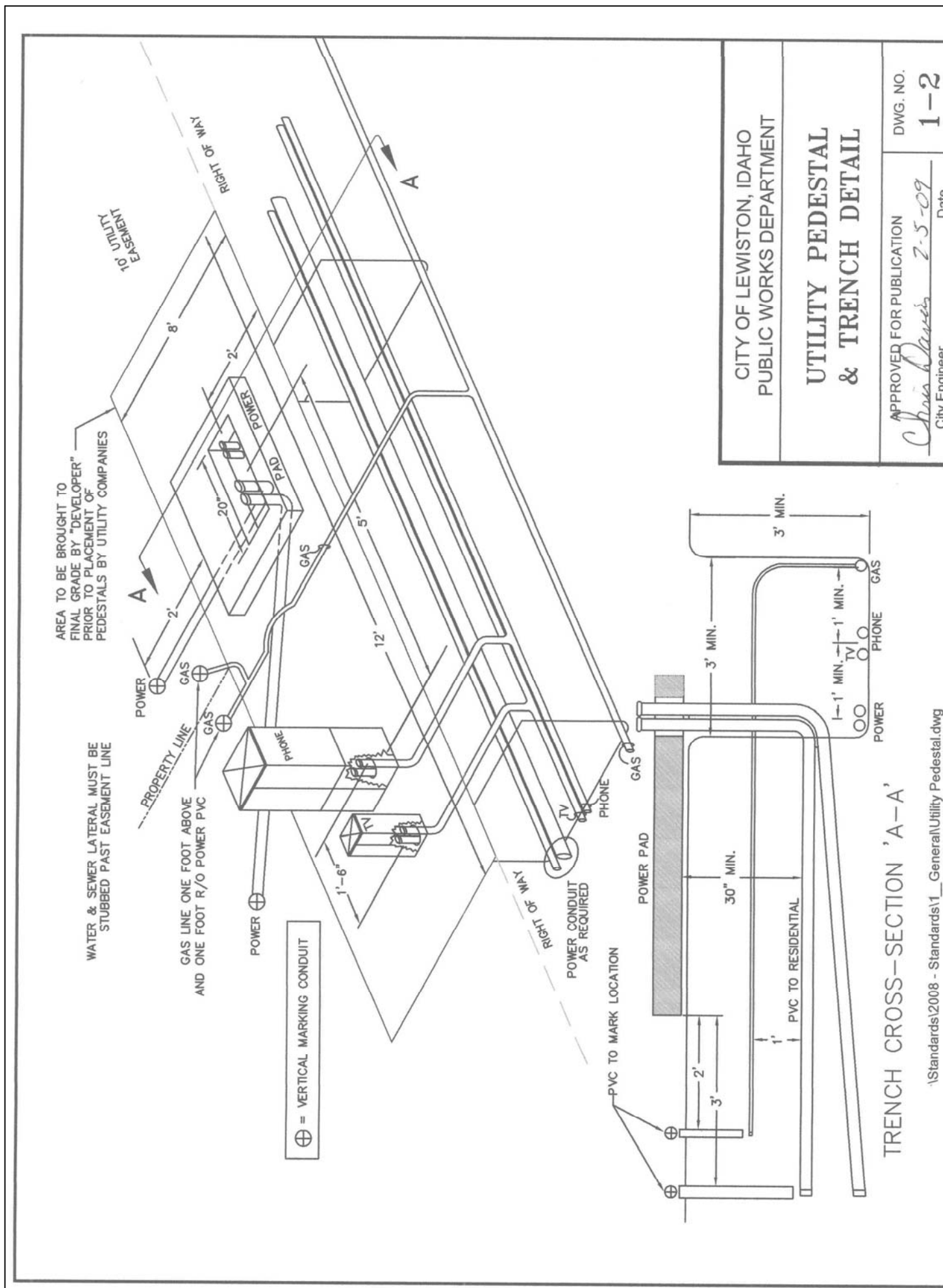
HEDCO
 HAMMOND ENGINEERING & DEVELOPMENT CO.
 529 BRYDEN AVENUE LEWISTON, IDAHO 83501
 (208) 750-5422

SHEET **C14**



REVISION DESCRIPTION		CHECKED	APPROVED
REV	DATE		
LTR			
		SURVEYOR OFFICE BOOK NO. 473315	
SCALE	SHEET SIZE	CHECKED BY	DRAWING #
D	D	JSH	1432-C15
MEE	JSH	JSH	
DATE	JOB	SHEET	
03-19-15	1432	C15	
		HAMMOND ENGINEERING & DEVELOPMENT CO. 529 BRYDEN AVENUE LEWISTON, IDAHO 83501 (208) 786-5422	
SHEET		C15	

NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
ALLEY COURT X-SECTIONS
DK HOLDINGS, LLC
LEWISTON, IDAHO



**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
STANDARD DRAWINGS
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO

HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 756-5422

REV	DATE	DESCRIPTION	CHECKED	APPROVED

SHEET SIZE: D

SCALE: AS SHOWN

DRAWN BY: MEE

CHECKED BY: JSH

DATE: 03-19-15

JOB: 1432

SHEET: C16

DRAWING #: 1432-C16

REGISTERED PROFESSIONAL ENGINEER
#2102
STATE OF IDAHO
DATE OF EXPIRATION: 4/23/15

RETENTION SWALE DETAIL
SECTION 'A-A'

NOTES:
1. SIDE SLOPES SHALL BE 2H:1V (MAX)
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. FRONT OF SIDEWALK SHALL BE 0.12' HIGHER THAN TOP OF CURB.
6. DEPTH OF WASHED RIVER ROCK AREA SHALL BE DETERMINED BY THE STORAGE NEEDS OF THE ADJACENT ROADWAY.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

NARROW RETENTION SWALE

APPROVED FOR PUBLICATION: *[Signature]* 1/14/11
City Engineer Date
DWG. NO. 2-2A

SECTION 'A-A'
NOT TO SCALE

SECTION 'B-B'
NOT TO SCALE

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: *[Signature]* 1/10/10
City Engineer Date
DWG. NO. 2-3

TYPICAL 8' CROSS-SECTION

TYPICAL 6' CROSS-SECTION

TYPICAL 4' CROSS-SECTION

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

VALLEY GUTTER

APPROVED FOR PUBLICATION: *[Signature]* 2-5-09
City Engineer Date
DWG. NO. 2-4

PLAN

	MIN.	MAX.
A	1.6"	2.4"
B	.65"	1.5"
C	50%-65% OF BASE DIA.	
D	.9"	1.4"

SECTION VIEW

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: *[Signature]* 9/1/10
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 INCH MINUS [CURRENT ITD SPEC 703.04] OR 5/8 INCH MINUS [CURRENT WDOT/M41-10 SPEC 9-03.9] CRUSHED AGGREGATE BASE MATERIAL COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR AS PER AASHTO T180. ALL FILL OR BACKFILL AREAS SHALL BE PLACED IN 6" TO 8" MAXIMUM LIFTS. IN AREAS OF SMALL PROJECTS, LIMITED HEAVY TRUCK TRAFFIC OR WHERE COMPACTION EQUIPMENT HAS LIMITED ACCESS A REDUCED % COMPACTION MAY BE ALLOWED WITH WRITTEN APPROVAL FROM PUBLIC WORK DIRECTOR.
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 UNCURED 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.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

GENERAL NOTES FOR ALL TYPES OF CURB AND GUTTER

APPROVED FOR PUBLICATION: *[Signature]* 2/24/10
City Engineer Date
DWG. NO. 2-6

HIGH BACK CURB & GUTTER

ROLLED CURB & GUTTER

ALL TOLERANCES ARE ±1/4" UNLESS OTHERWISE NOTED

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

HIGH BACK CURB & GUTTER ROLLED CURB & GUTTER

APPROVED FOR PUBLICATION: *[Signature]* 2-5-09
City Engineer Date
DWG. NO. 2-7

SECURE A PERMIT FOR CONSTRUCTION, BEFORE BEGINNING CONSTRUCTION IN PUBLIC RIGHT-OF-WAY

CONCRETE SIDEWALK

NOTES:
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 INCH MINUS [CURRENT ITD SPEC 703.04] OR 5/8 INCH MINUS [CURRENT WDOT/M41-10 SPEC 9-03.9] CRUSHED AGGREGATE BASE MATERIAL COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED PROCTOR AS PER AASHTO T180. ALL FILL 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 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: *[Signature]* 2/24/10
City Engineer Date
DWG. NO. 2-8

DEPRESSED CURB SECTION AT DRIVEWAY ENTRANCES

DEPRESSED CURB SECTION AT SIDEWALK RAMPS

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT

DEPRESSED CURB SECTION

APPROVED FOR PUBLICATION: *[Signature]* 3-9-08
City Engineer Date
DWG. NO. 2-10

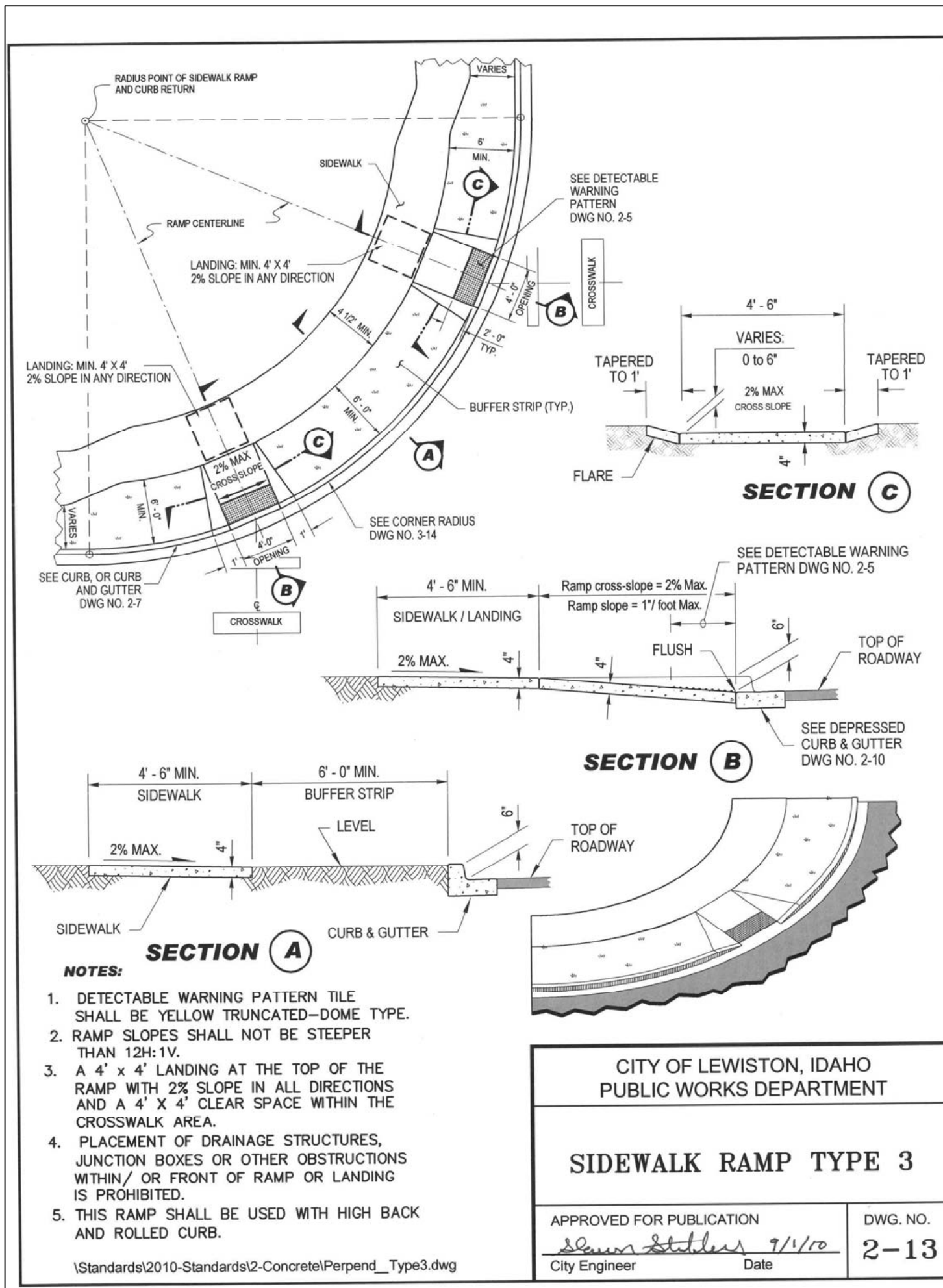
NORTHEAST CROSSING ADDITION PHASE I/PROJECT I STANDARD DRAWINGS DK HOLDINGS, LLC LEWISTON, IDAHO

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 756-5422

REVISION DESCRIPTION
REV. DATE
LIT.

CHECKED
APPROVED

SHEET **C17**



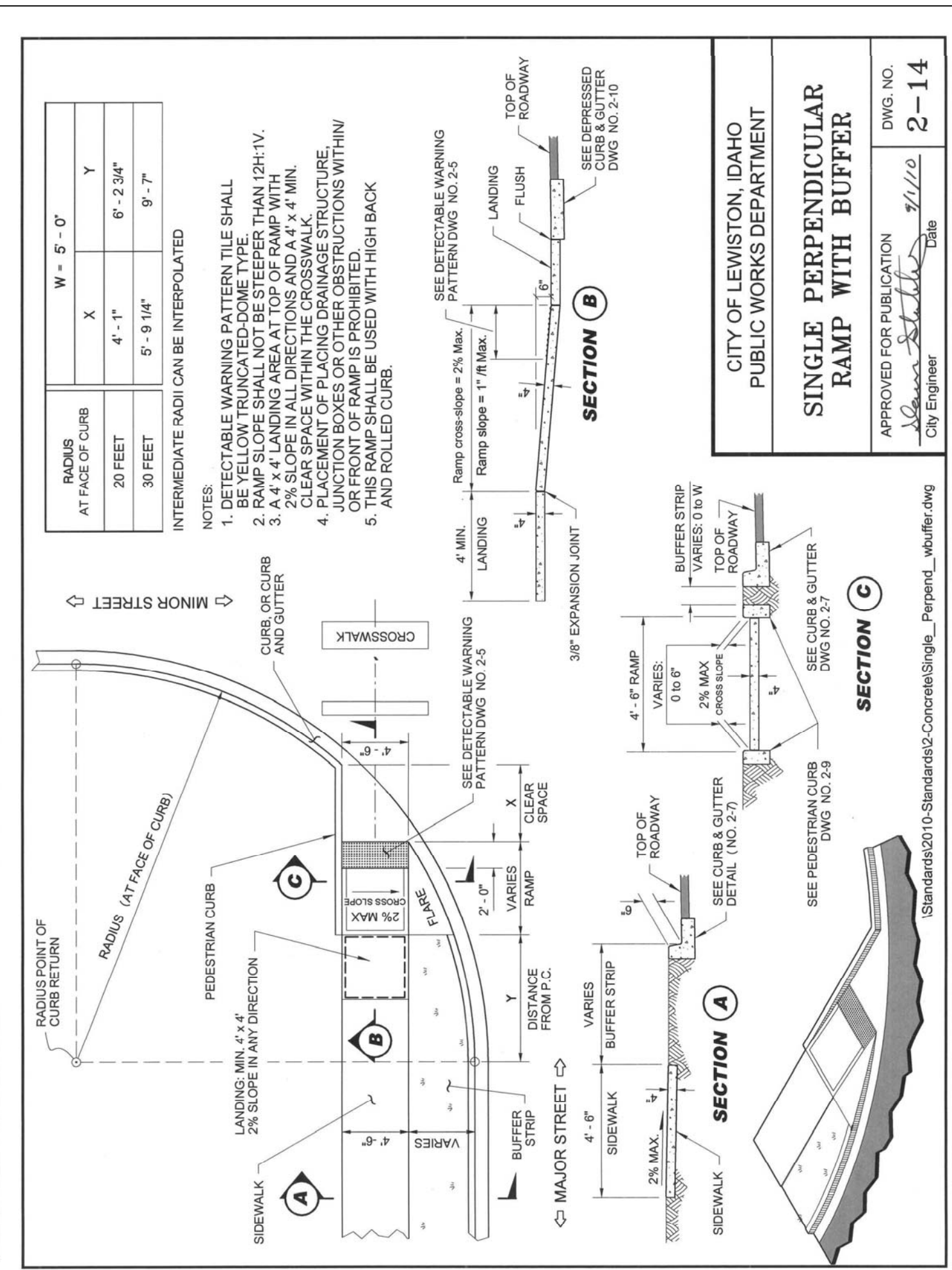
**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

SIDEWALK RAMP TYPE 3

APPROVED FOR PUBLICATION
[Signature] 7/1/10
City Engineer Date

DWG. NO. **2-13**

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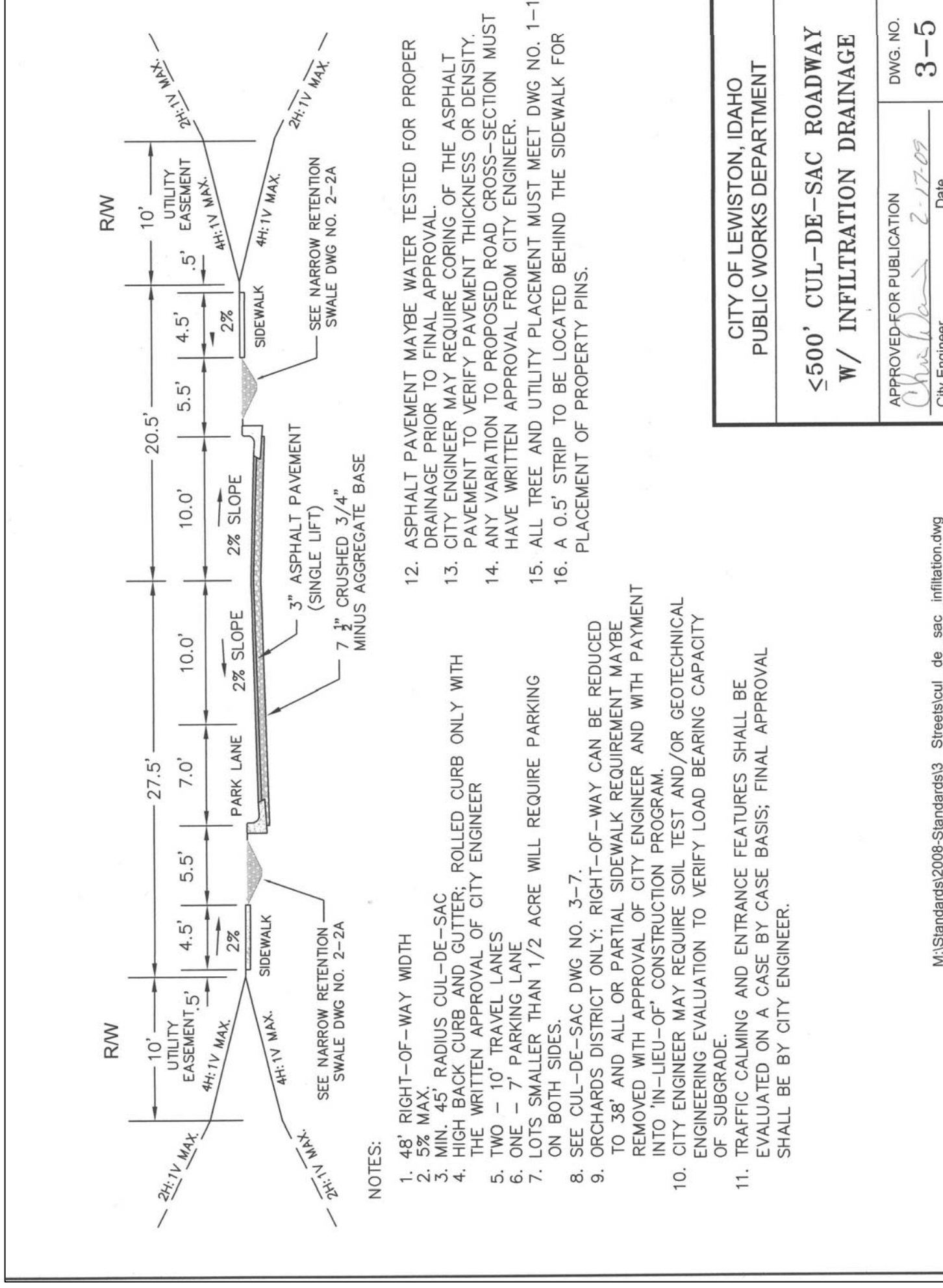
**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

**SINGLE PERPENDICULAR
RAMP WITH BUFFER**

APPROVED FOR PUBLICATION
[Signature] 7/1/10
City Engineer Date

DWG. NO. **2-14**

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**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

**<500' CUL-DE-SAC ROADWAY
W/ INFILTRATION DRAINAGE**

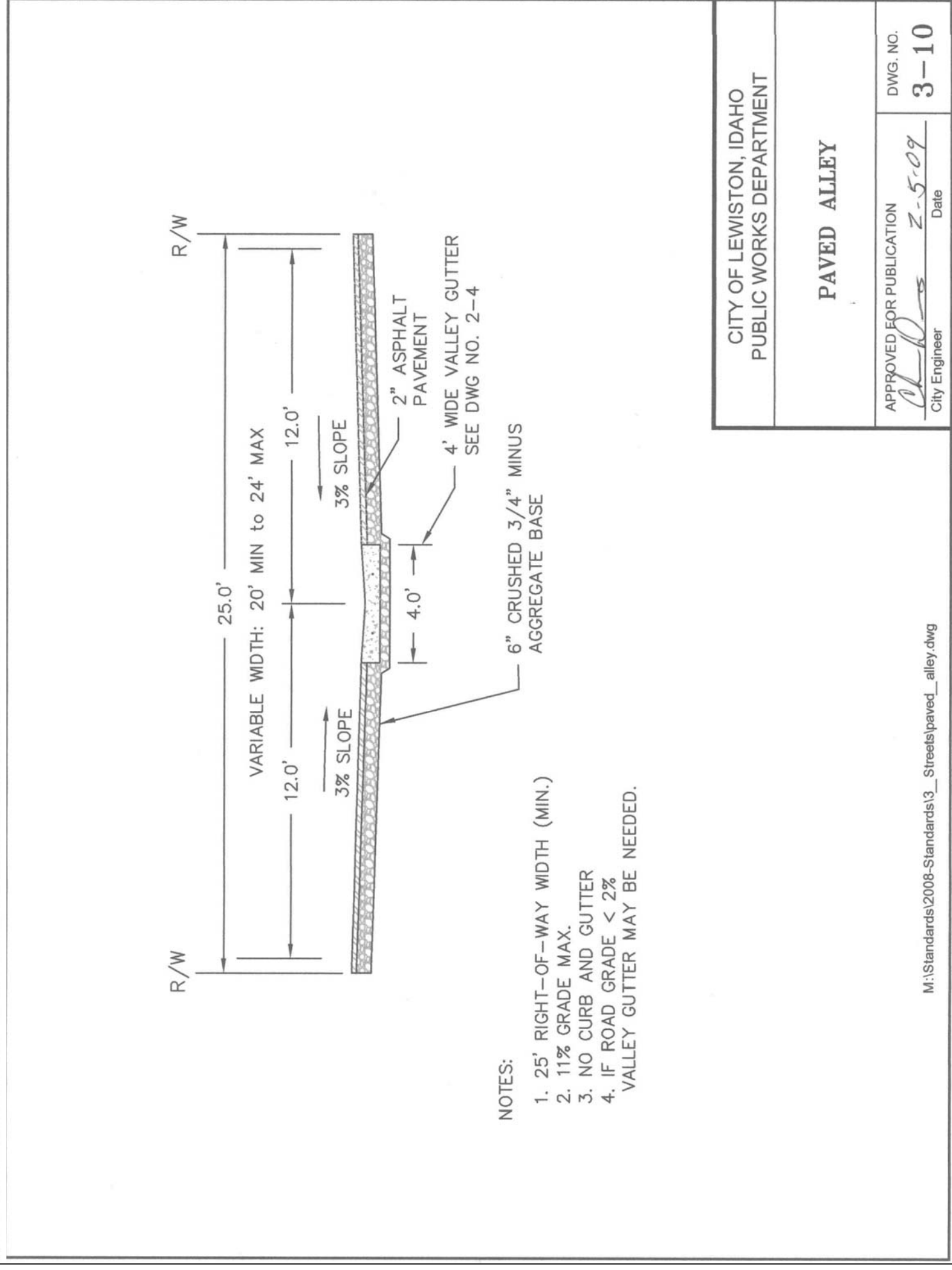
APPROVED FOR PUBLICATION
[Signature] 2/1/10
City Engineer Date

DWG. NO. **3-5**

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NOTES:

- 48" RIGHT-OF-WAY WIDTH
- 5% MAX. RADIUS OF CURB AND GUTTER
- 3" MIN. BACK CURB AND GUTTER
- THE WRITTEN APPROVAL OF CITY ENGINEER
- TWO - 10' TRAVEL LANES
- ONE - 7' PARKING LANE
- LOTS SMALLER THAN 1/2 ACRE WILL REQUIRE PARKING
- SEE CUL-DE-SAC DWG NO. 3-7
- ORCHARDS DISTRICT ONLY: RIGHT-OF-WAY CAN BE REDUCED TO 38' AND ALL OR PARTIAL SIDEWALK REQUIREMENT MAY BE REMOVED WITH APPROVAL OF CITY ENGINEER AND WITH PAYMENT INTO IN-LEU-OF CONSTRUCTION PROGRAM.
- CITY ENGINEER MAY REQUIRE SOIL TEST AND/OR GEOTECHNICAL ENGINEERING EVALUATION TO VERIFY LOAD BEARING CAPACITY
- TRAFFIC CALMING AND ENTRANCE FEATURES SHALL BE EVALUATED ON A CASE BY CASE BASIS; FINAL APPROVAL SHALL BE BY CITY ENGINEER.



**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

PAVED ALLEY

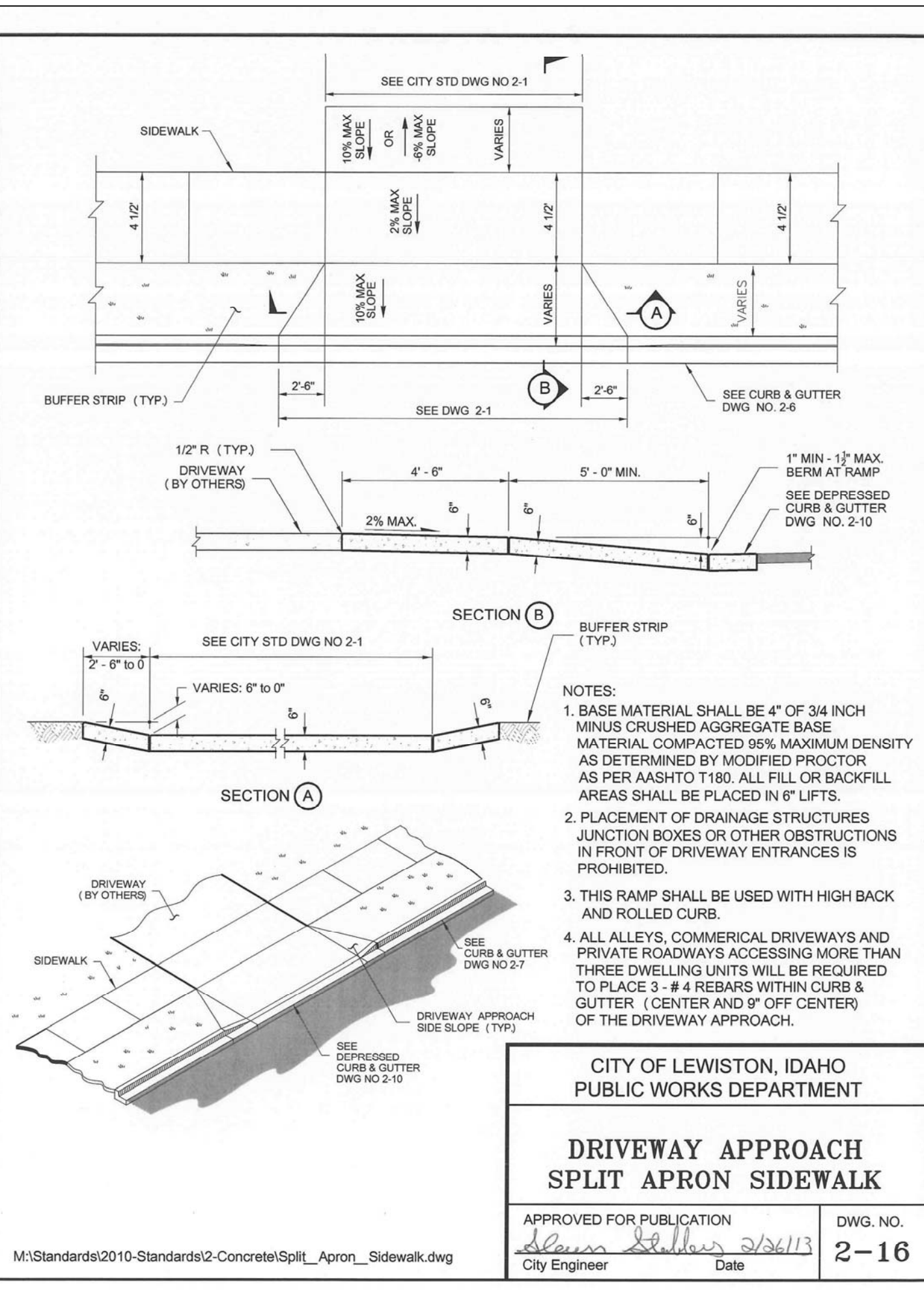
APPROVED FOR PUBLICATION
[Signature] 2-5-09
City Engineer Date

DWG. NO. **3-10**

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NOTES:

- 25" RIGHT-OF-WAY WIDTH (MIN.)
- 11% GRADE MAX.
- NO CURB AND GUTTER
- IF ROAD GRADE < 2% VALLEY GUTTER MAY BE NEEDED.



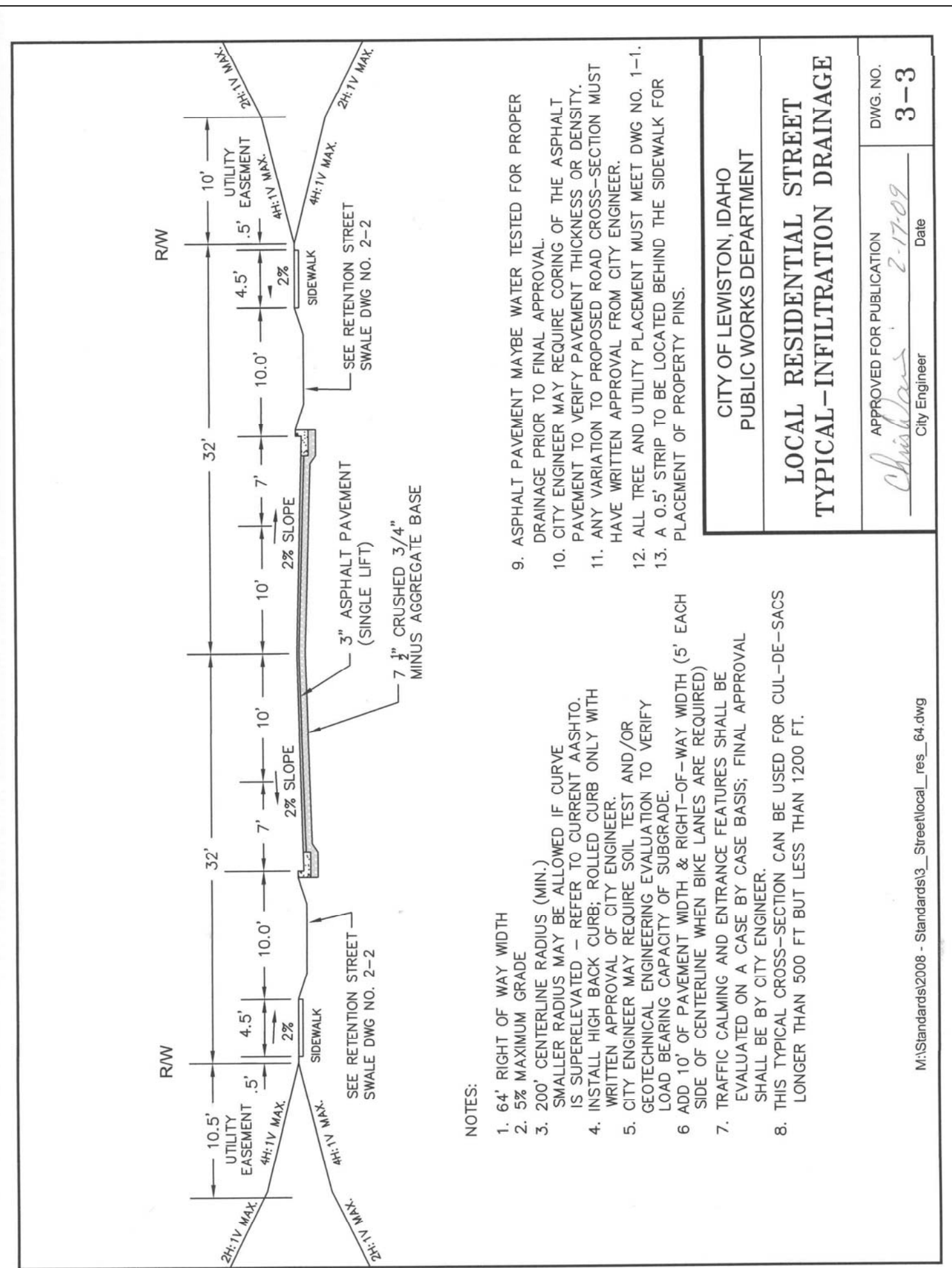
**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

**DRIVEWAY APPROACH
SPLIT APRON SIDEWALK**

APPROVED FOR PUBLICATION
[Signature] 2/26/13
City Engineer Date

DWG. NO. **2-16**

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**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

**LOCAL RESIDENTIAL STREET
TYPICAL - INFILTRATION DRAINAGE**

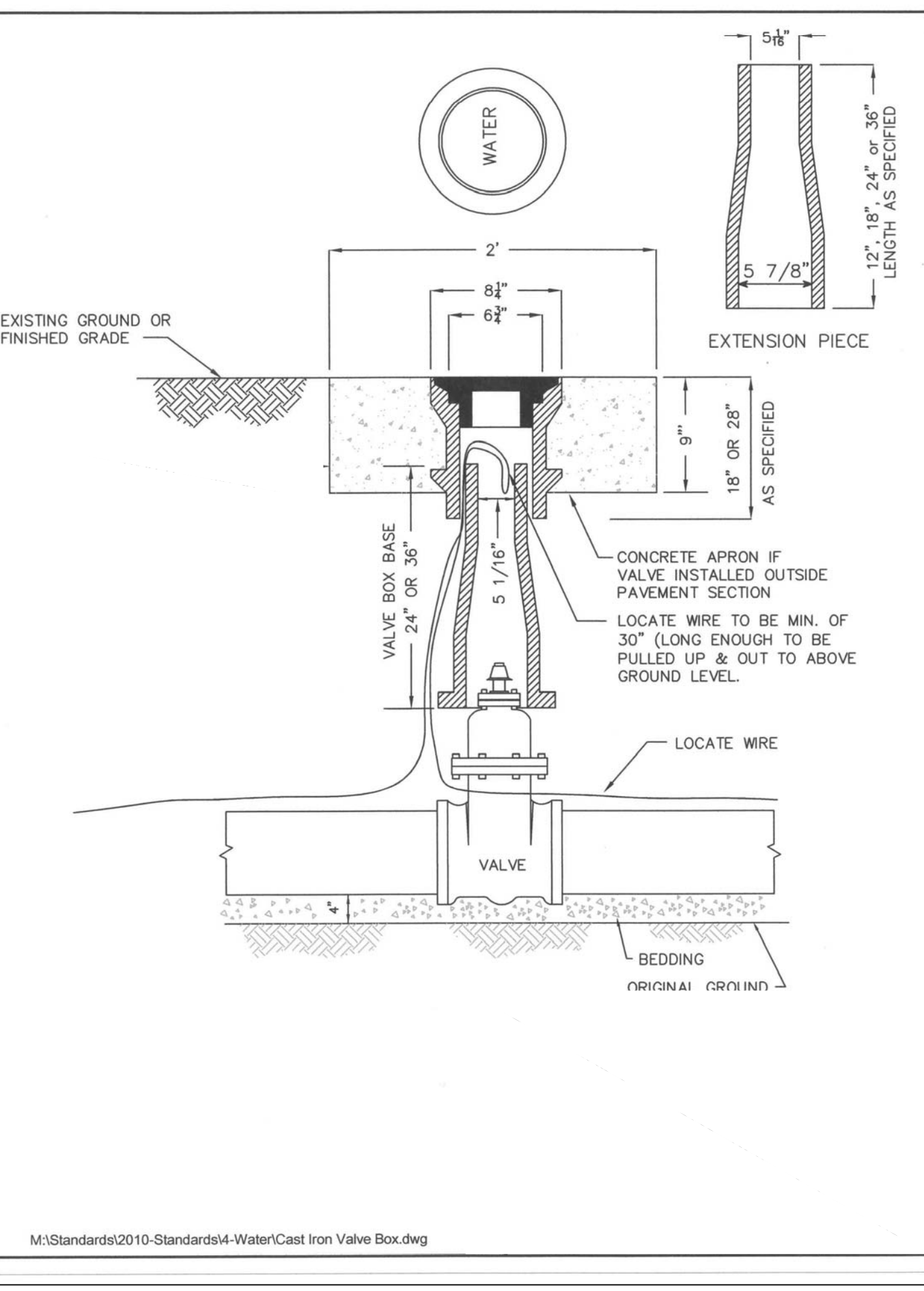
APPROVED FOR PUBLICATION
[Signature] 2-17-09
City Engineer Date

DWG. NO. **3-3**

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NOTES:

- 64" RIGHT OF WAY WIDTH
- 5% MAXIMUM GRADE
- 200' CENTERLINE RADIUS (MIN.)
- IS SUPERELEVATED - REFER TO CURRENT AASHTO, INSTALL HIGH BACK CURB; ROLLED CURB ONLY WITH WRITTEN APPROVAL OF CITY ENGINEER AND/OR GEOTECHNICAL ENGINEERING EVALUATION TO VERIFY LOAD BEARING CAPACITY OF SUBGRADE.
- ADD 10' OF PAVEMENT WIDTH & RIGHT-OF-WAY WIDTH (5' EACH SIDE OF CENTERLINE WHEN BIKE LANES ARE REQUIRED)
- THE PAVEMENT ON A CASE BY CASE BASIS; FINAL APPROVAL SHALL BE BY CITY ENGINEER
- THIS TYPICAL CROSS-SECTION CAN BE USED FOR CUL-DE-SACS LONGER THAN 500 FT BUT LESS THAN 1200 FT.
- ASPHALT PAVEMENT MAYBE WATER TESTED FOR PROPER DRAINAGE PRIOR TO FINAL APPROVAL OF THE ASPHALT PAVEMENT TO VERIFY PAVEMENT THICKNESS OR DENSITY.
- ANY VARIATION TO PROPOSED ROAD CROSS-SECTION MUST HAVE WRITTEN APPROVAL FROM CITY ENGINEER.
- ALL TREE AND UTILITY PLACEMENT MUST MEET DWG NO. 1-1.
- A 0.5' STRIP TO BE LOCATED BEHIND THE SIDEWALK FOR PLACEMENT OF PROPERTY PINS.



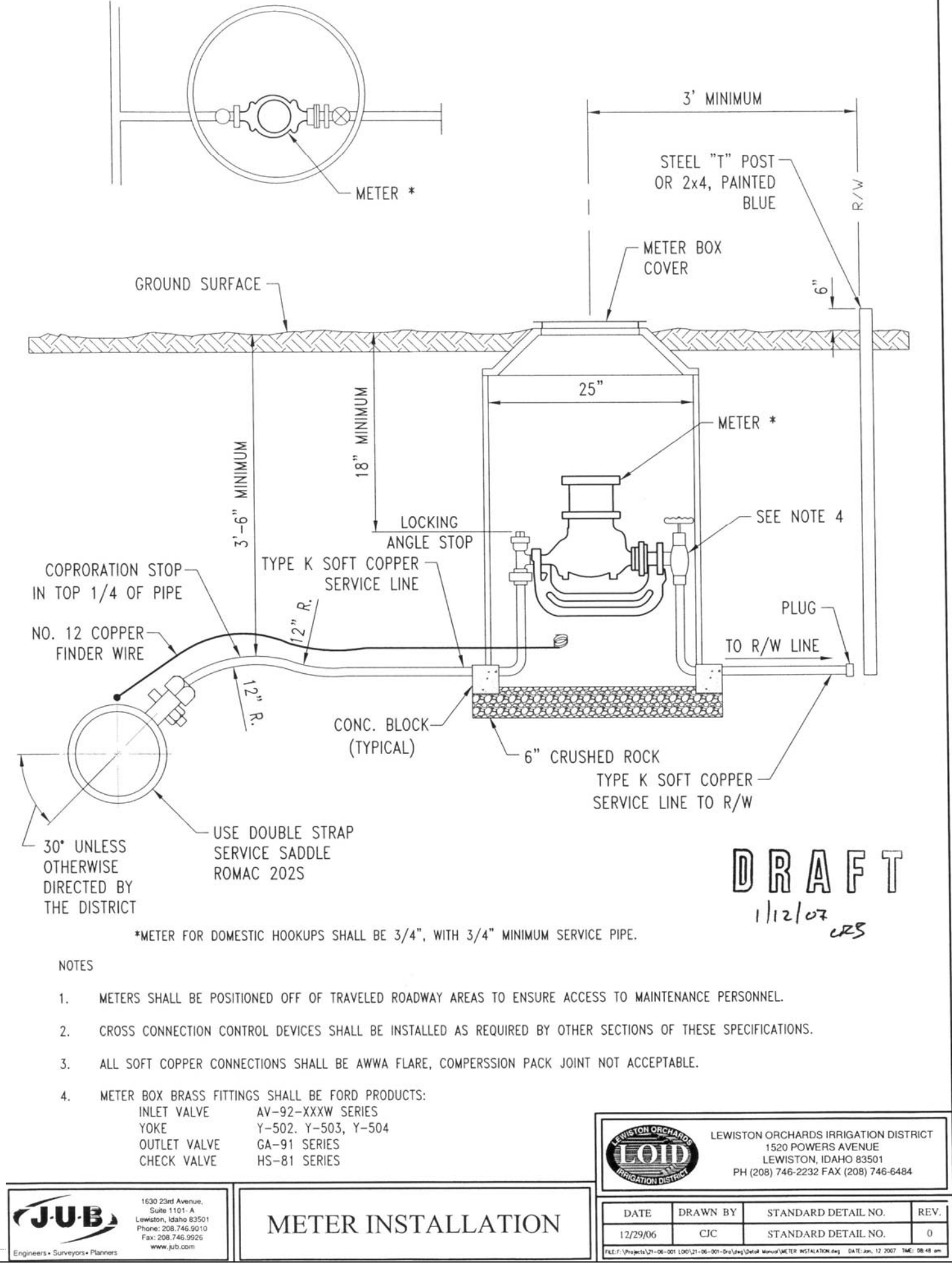
**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

WATER

APPROVED FOR PUBLICATION
[Signature] 2-5-09
City Engineer Date

DWG. NO. **3-10**

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**CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT**

METER INSTALLATION

APPROVED FOR PUBLICATION
[Signature] 11/2/07
City Engineer Date

DWG. NO. **3-10**

M:\Standards\2010-Standards\4-Water\Cast Iron Valve Box.dwg

NOTES:

- METERS SHALL BE POSITIONED OFF OF TRAVELED ROADWAY AREAS TO ENSURE ACCESS TO MAINTENANCE PERSONNEL.
- CROSS CONNECTION CONTROL DEVICES SHALL BE INSTALLED AS REQUIRED BY OTHER SECTIONS OF THESE SPECIFICATIONS.
- ALL SOFT COPPER CONNECTIONS SHALL BE ANWA FLARE, COMPRESSION PACK JOINT NOT ACCEPTABLE.
- METER BOX BRASS FITTINGS SHALL BE FORD PRODUCTS: INLET VALVE AW-32-RXW SERIES; YOEK OUTLET VALVE GA-91 SERIES; CHECK VALVE HS-81 SERIES

DRAFT
11/2/07

LEWISTON ORCHARDS IRRIGATION DISTRICT
1520 POWERS AVENUE
LEWISTON, IDAHO 83501
PH (208) 746-2332 FAX (208) 746-6464

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
STANDARD DRAWINGS
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO

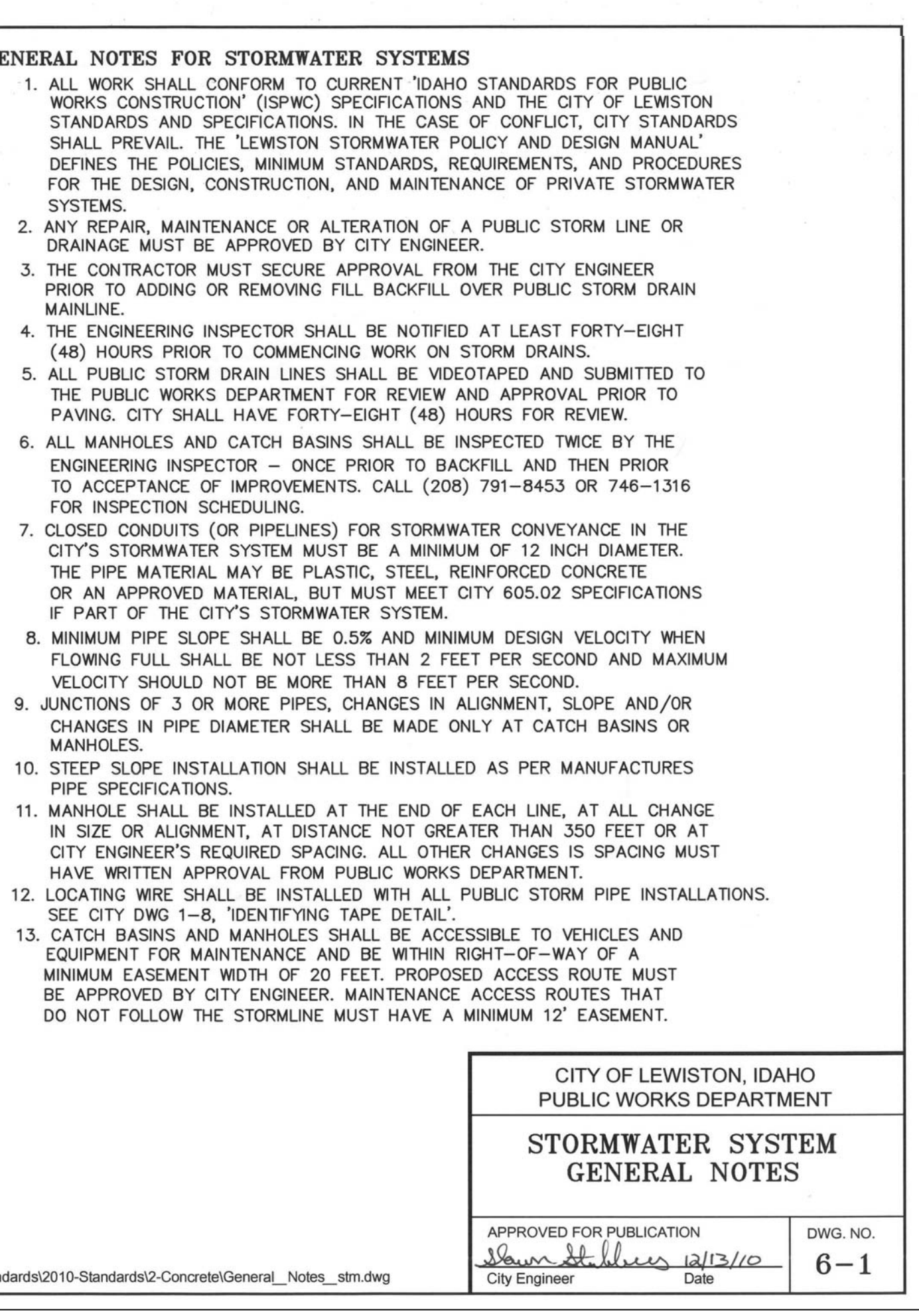
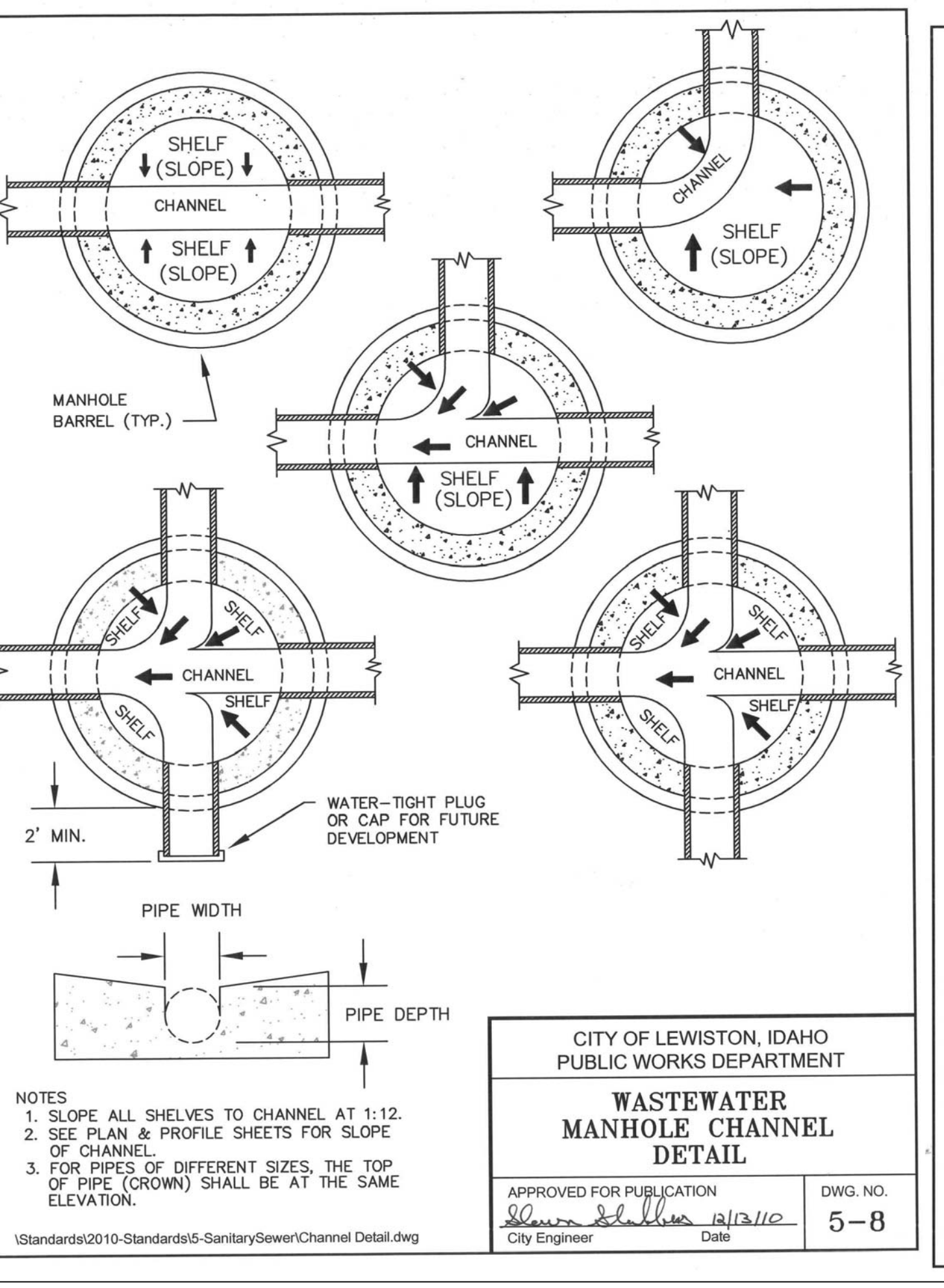
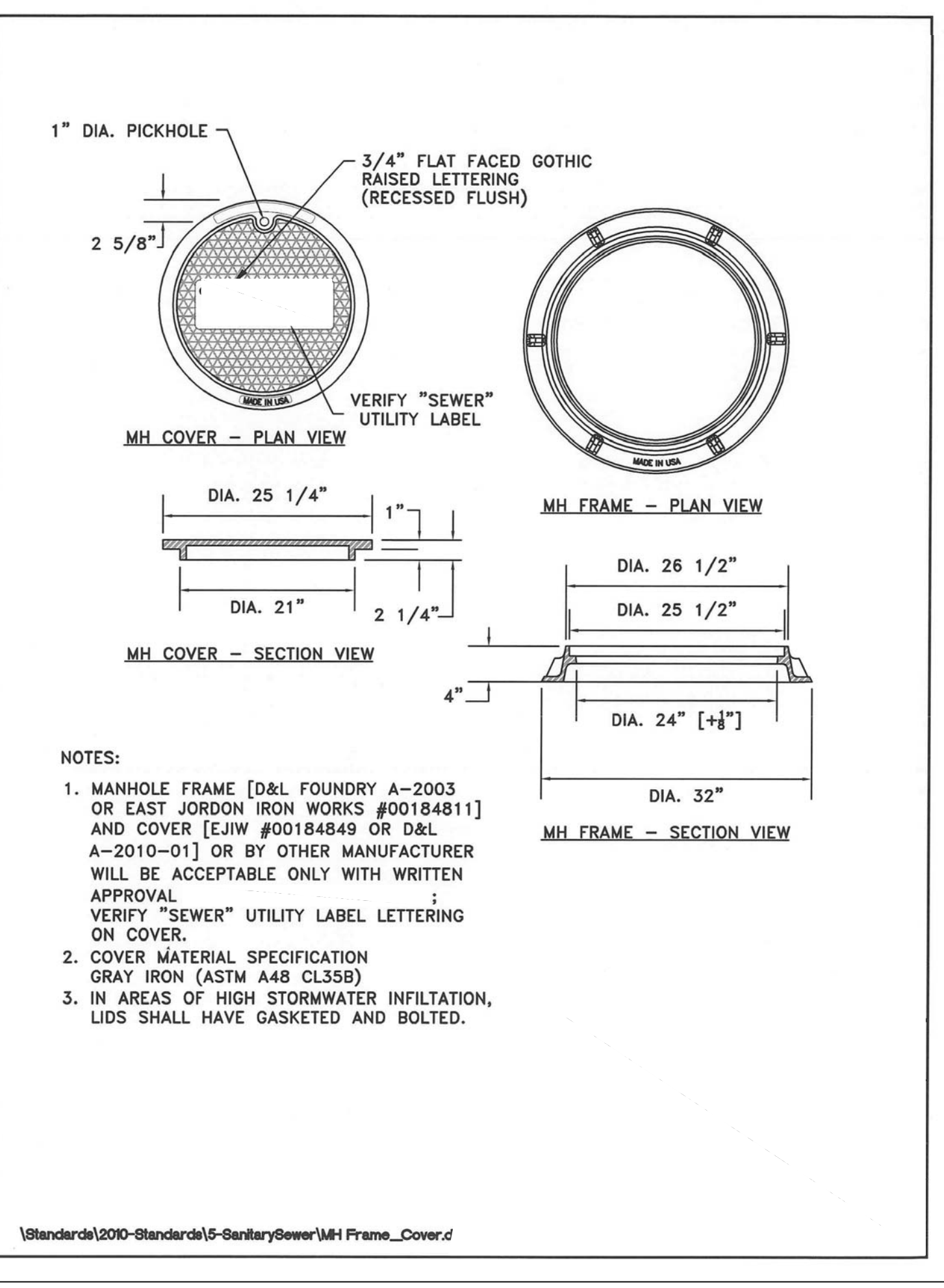
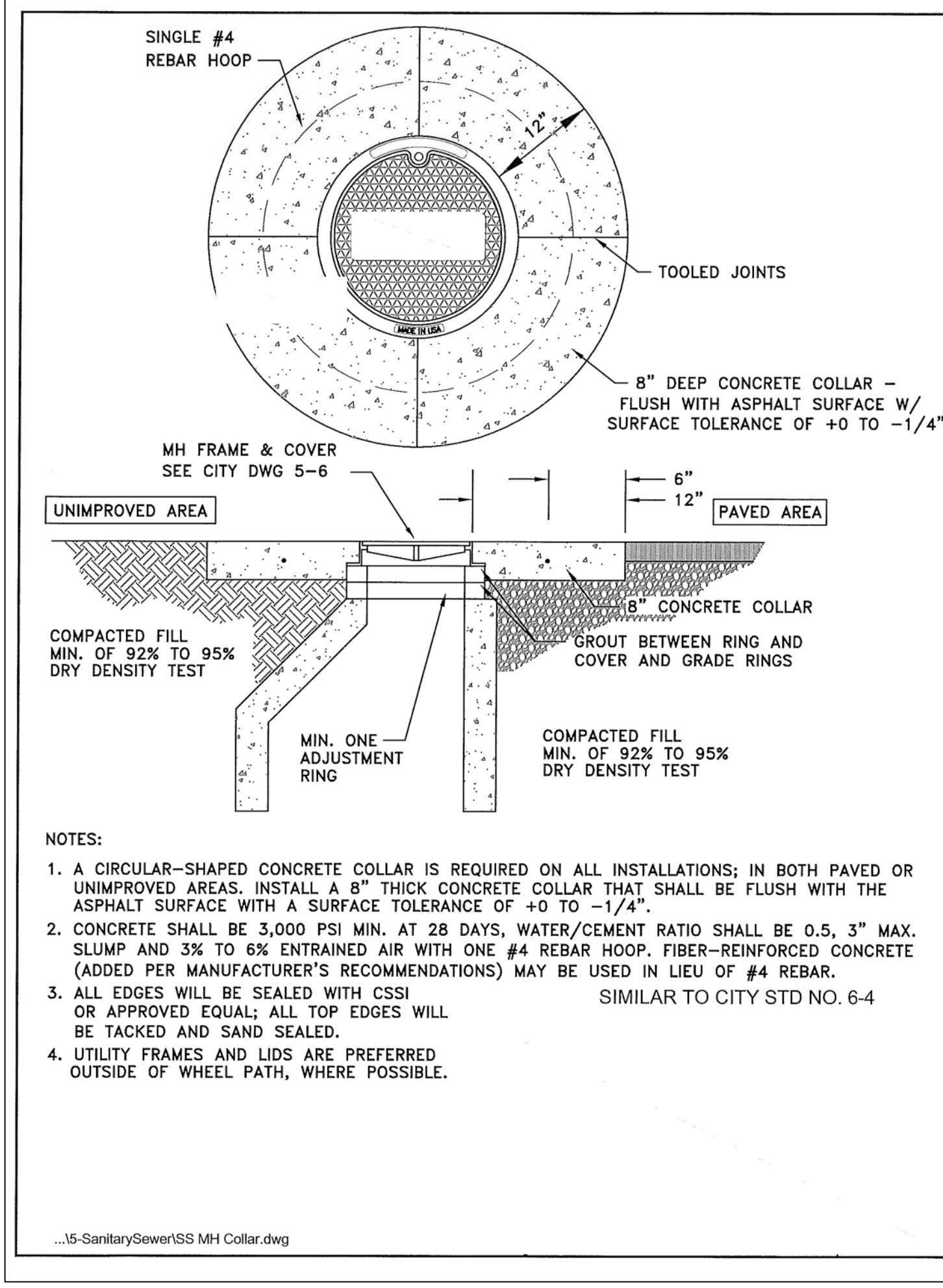
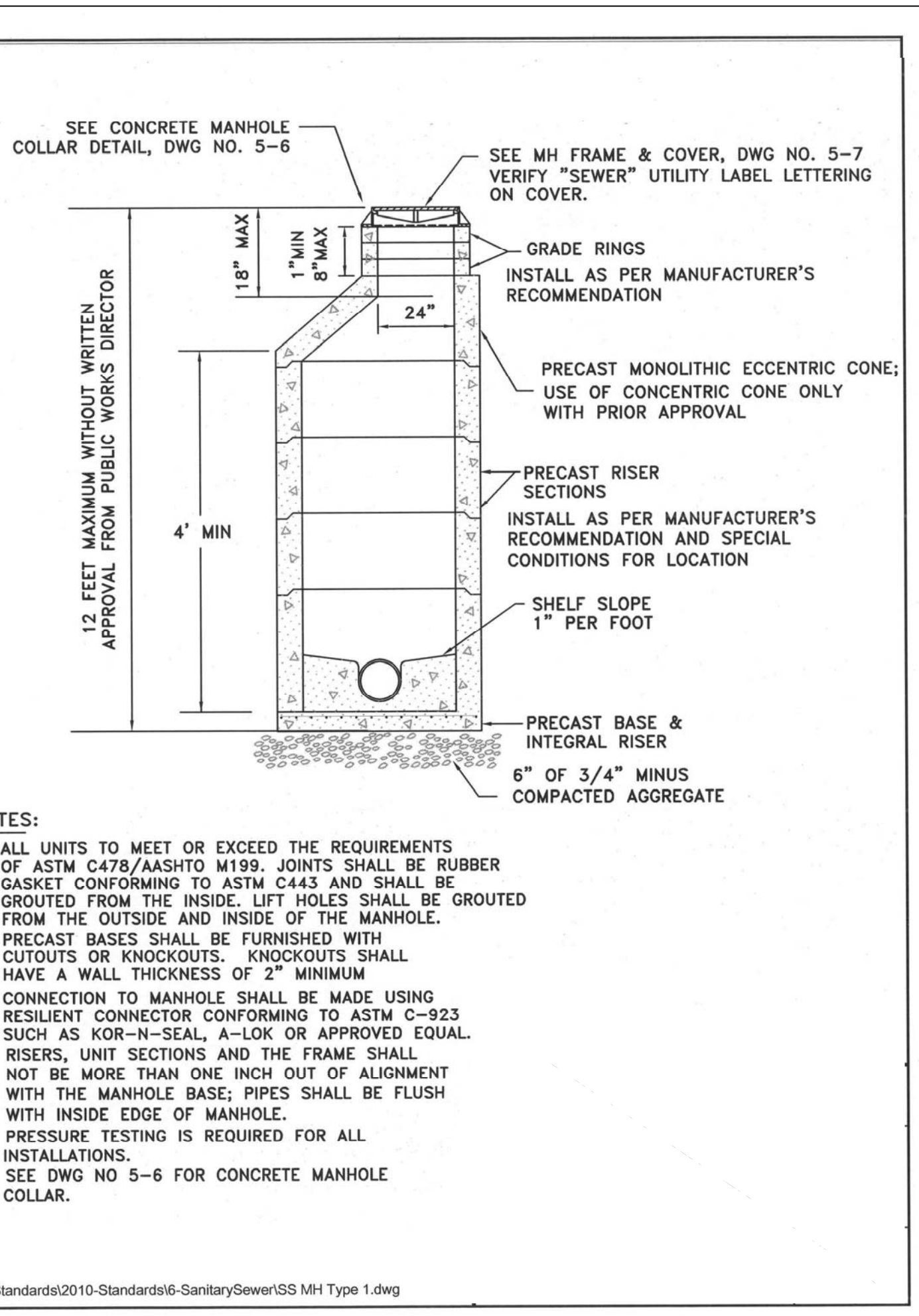
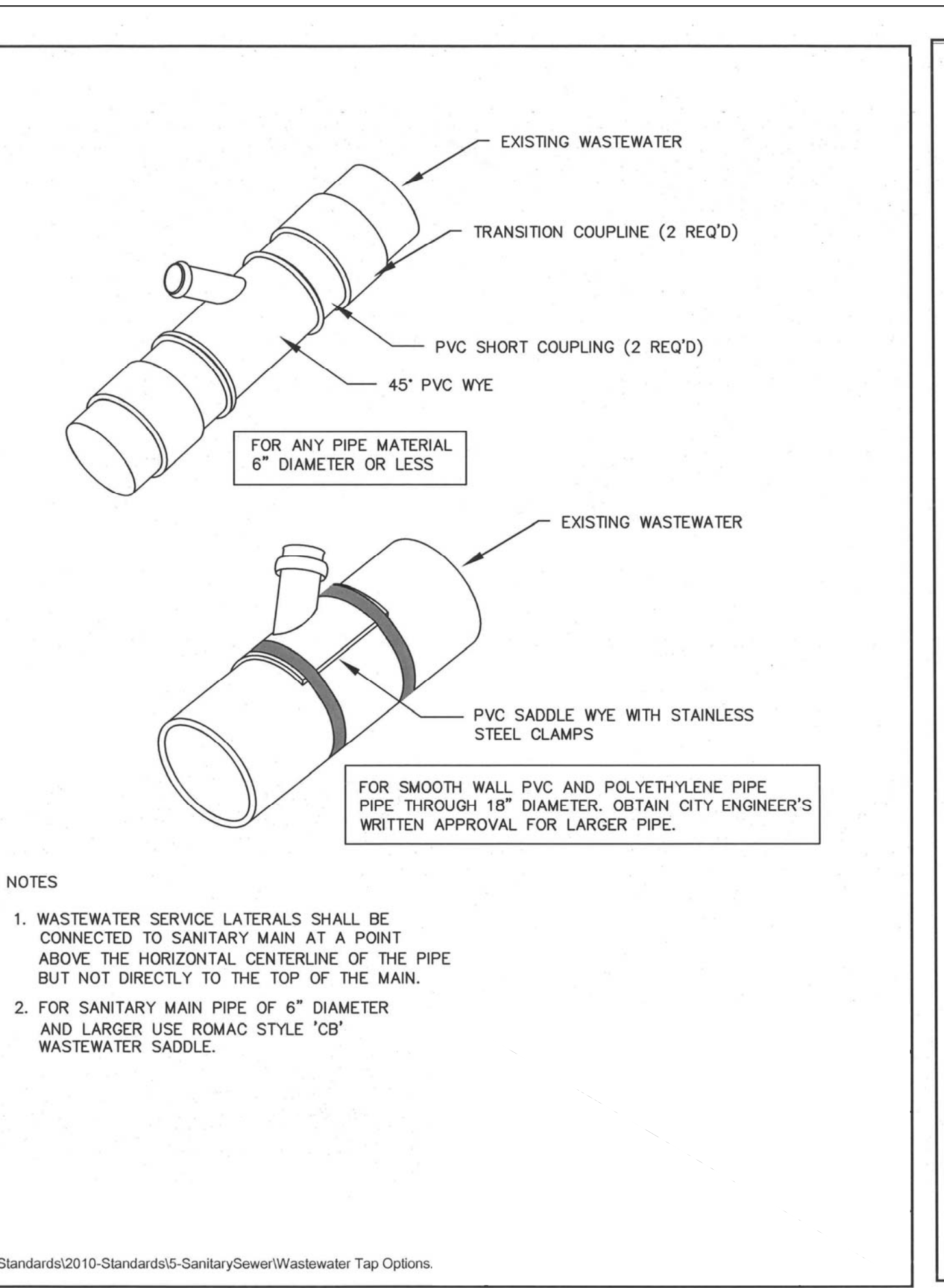
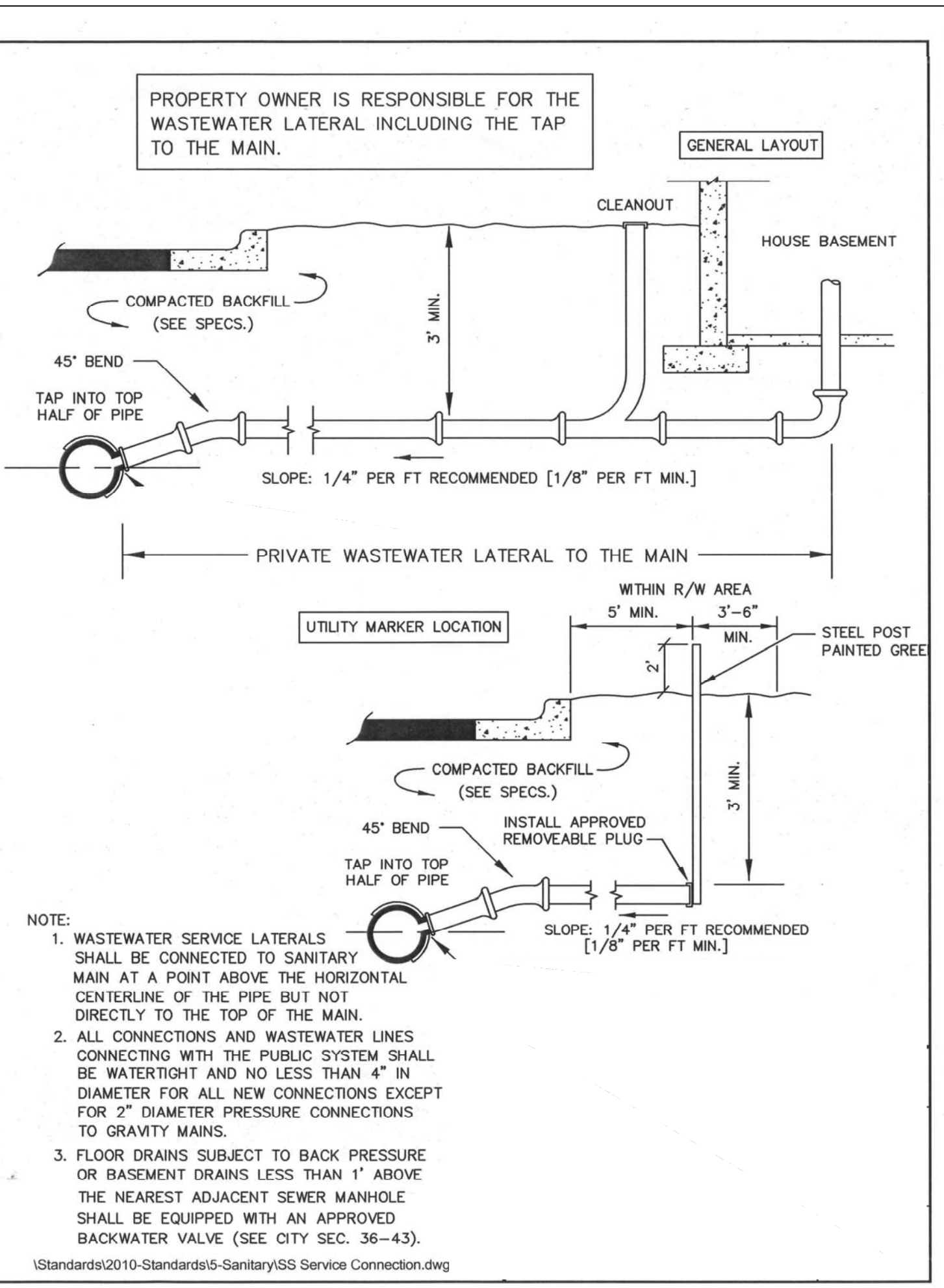
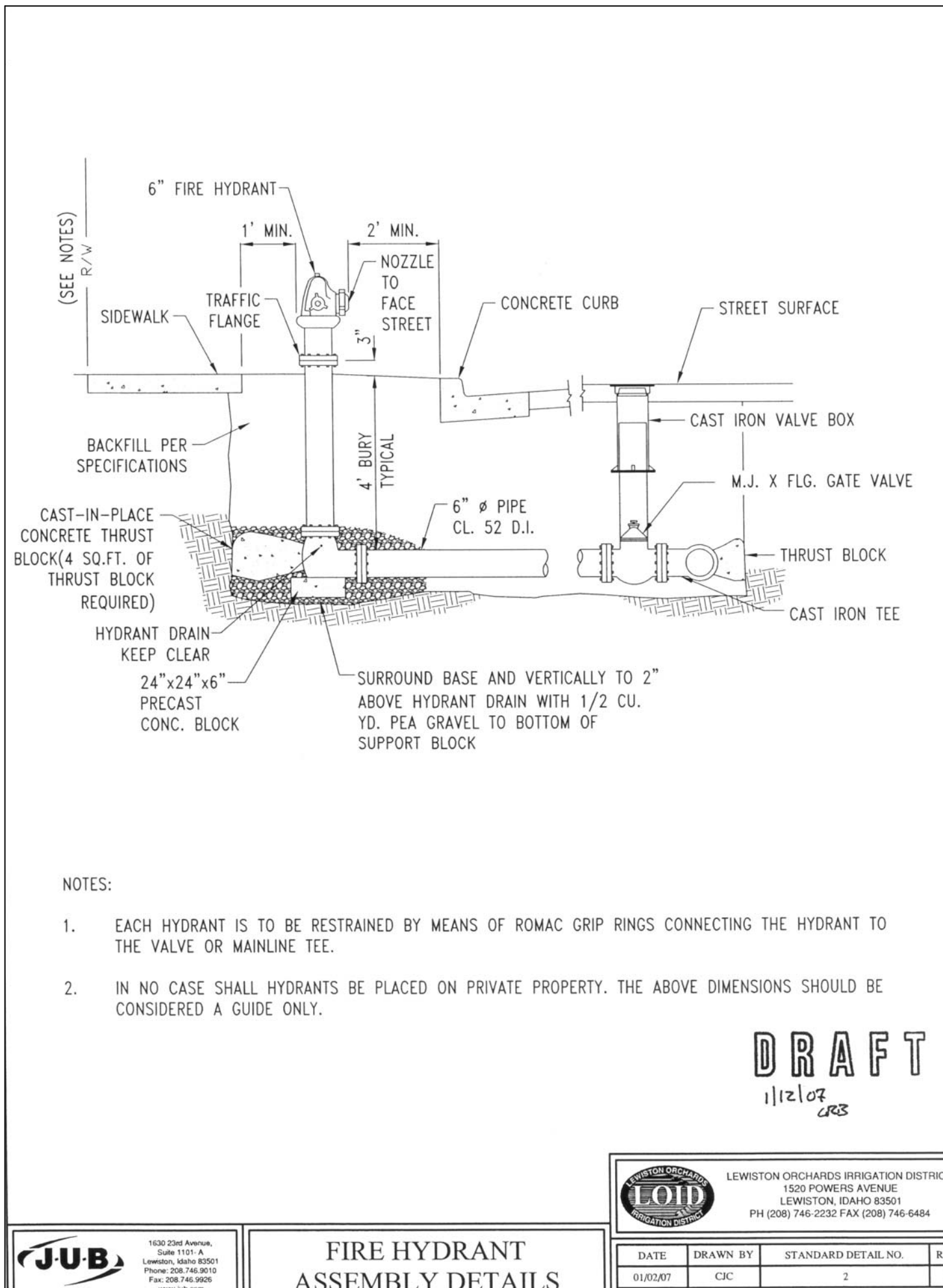
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 746-5422

REV.	DATE	DESCRIPTION	CHECKED	APPROVED
A	04-25-15	Revised as per City Review Comments dated 04-16-15		

SCALE: SHEET SIZE: D

DRAWN BY: MEE
CHECKED BY: JSH
DATE: 03-19-15
JOB NO: 1432
SHEET: C18
DRAWING #: 1432-C18

PROFESSIONAL ENGINEER - LAND SURVEYOR
#2102
DATE OF EXPIRATION: 06/30/15
SHAMUS A. SHAW
4/23/15



**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
STANDARD DRAWINGS
DK HOLDINGS, LLC
LEWISTON, IDAHO**

REVISION	DESCRIPTION	CHECKED	APPROVED

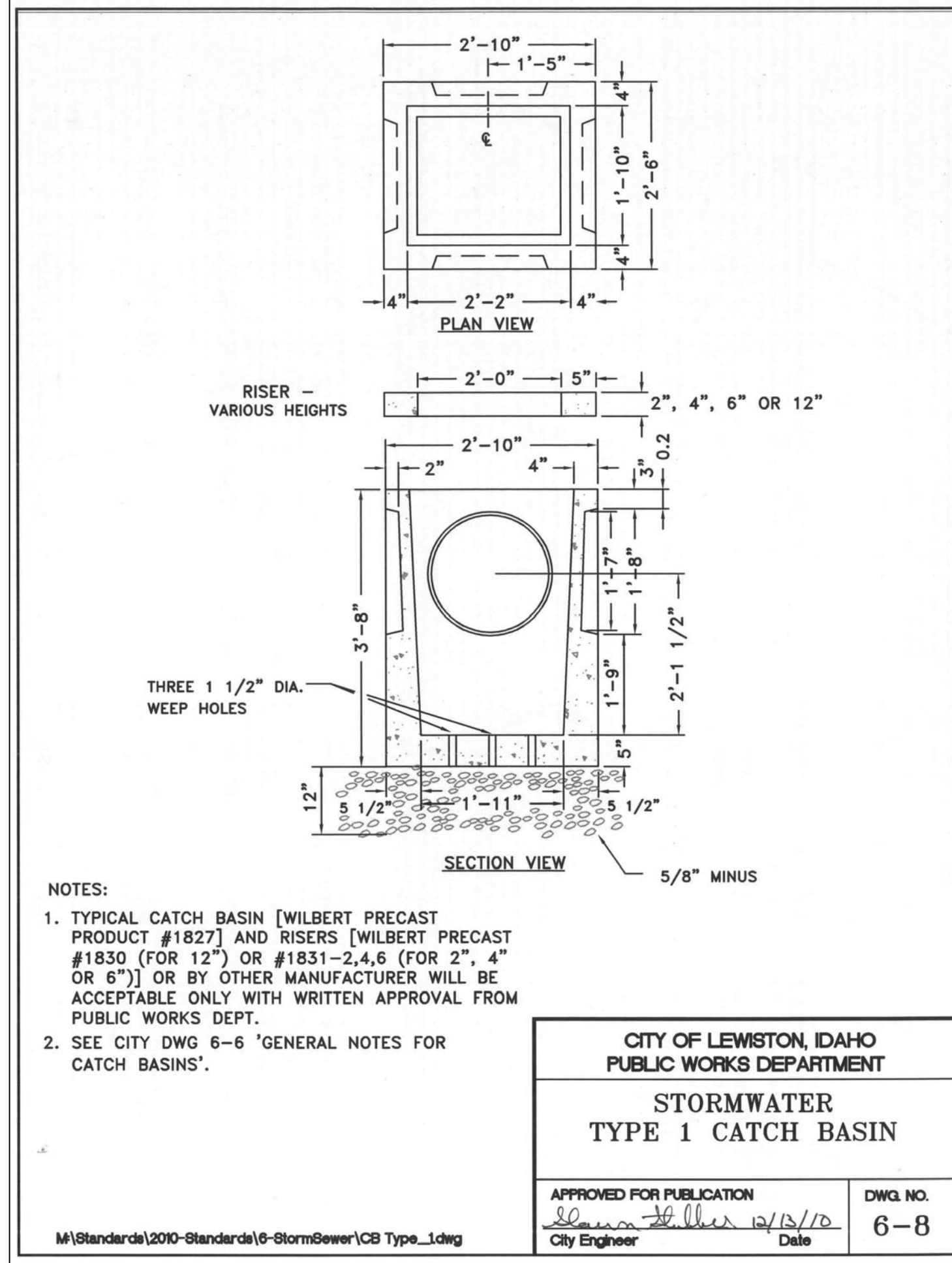
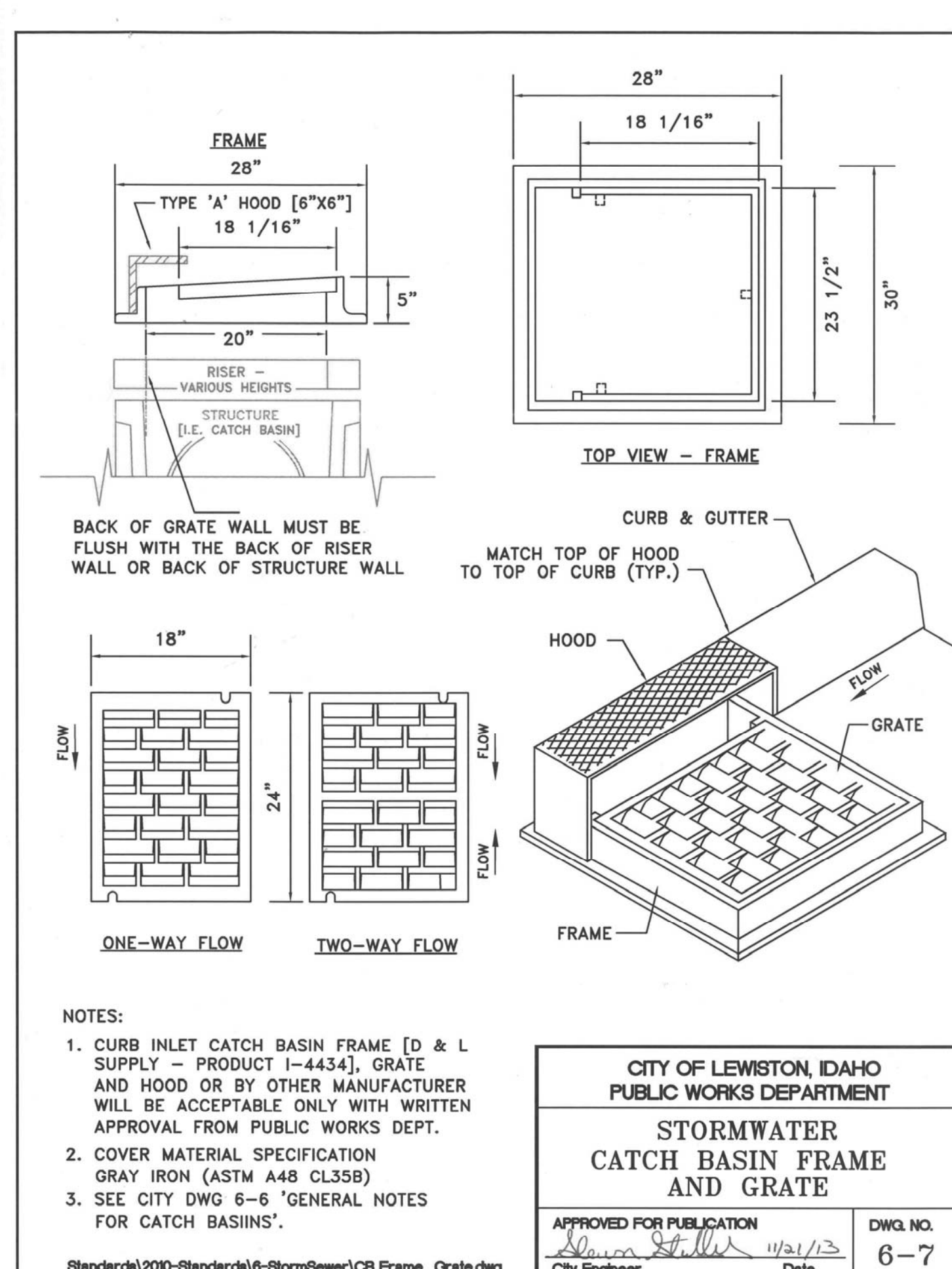
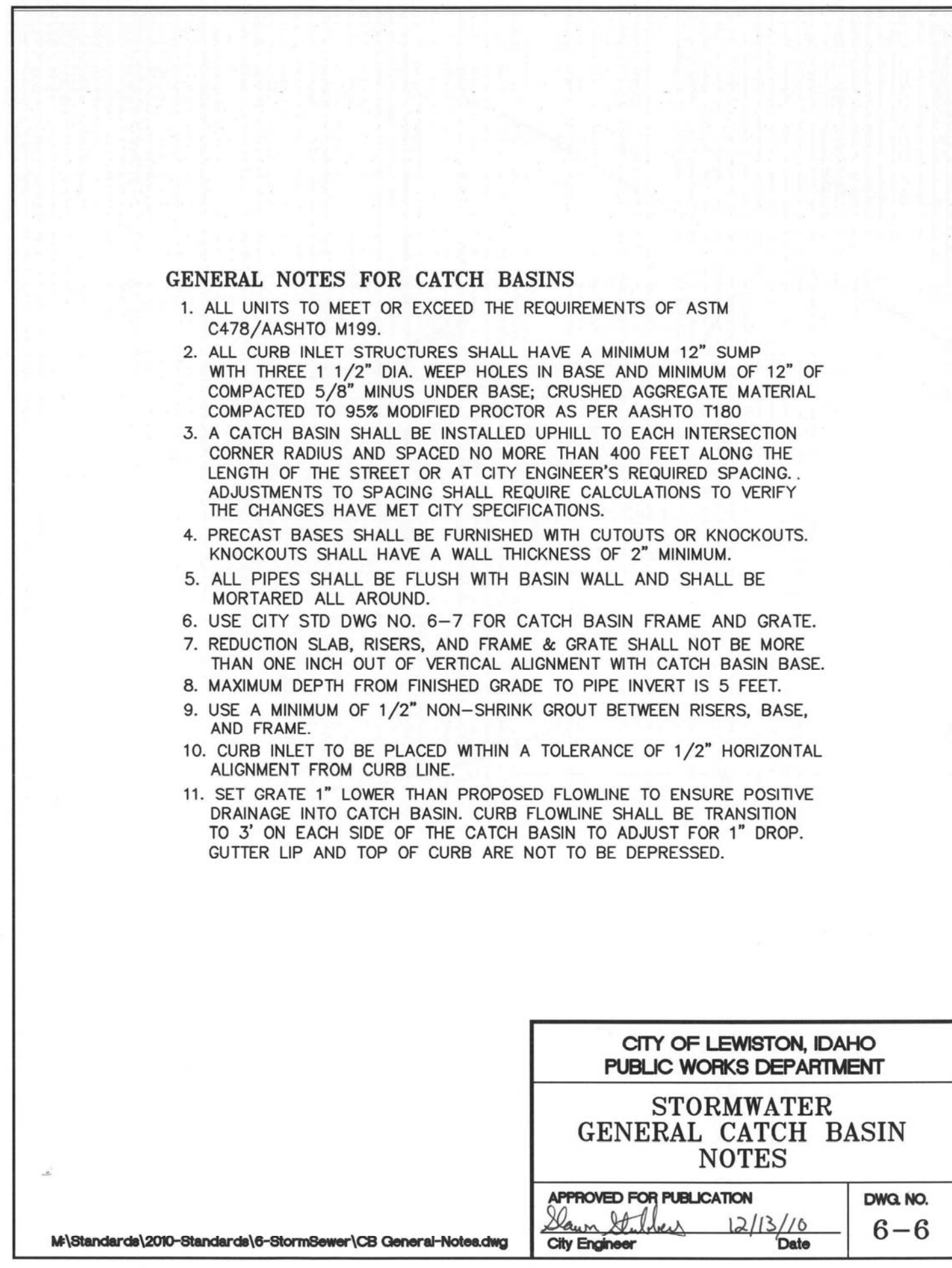
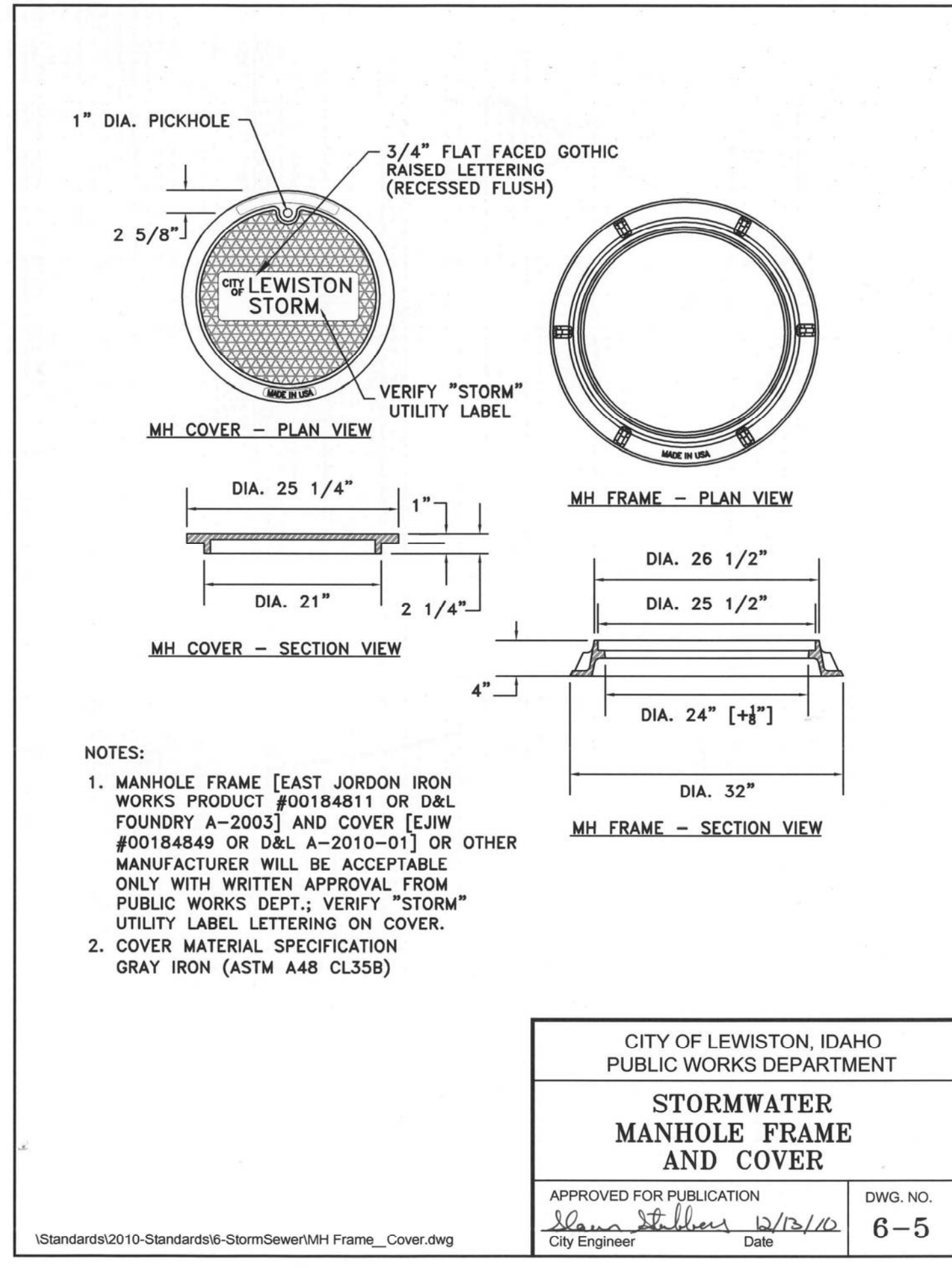
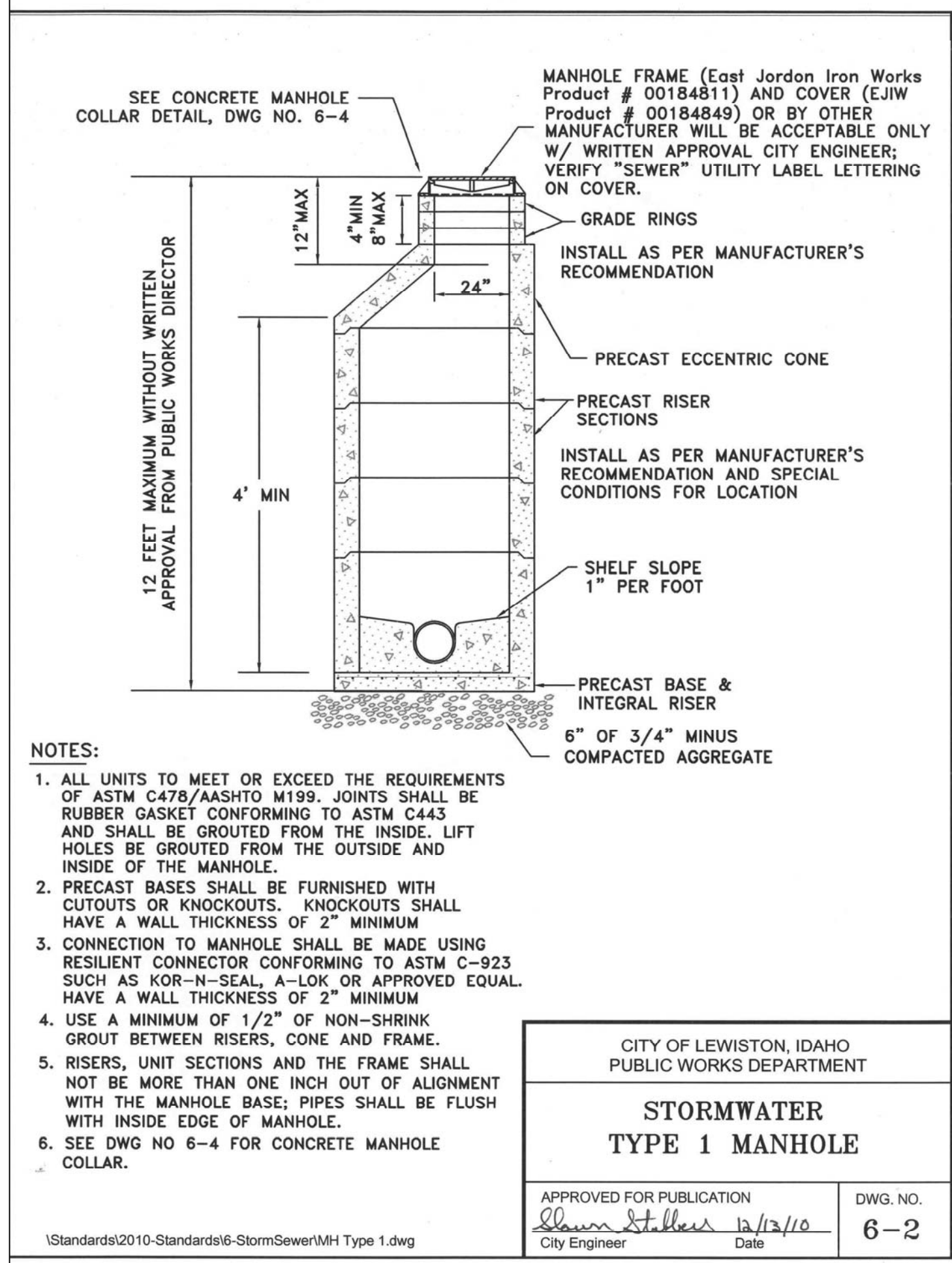
REVISION DATE LTR. A (4-25-15) Revised as per City Review Comments dated 04-16-15

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
#2102
STATE OF IDAHO
DAVID S. SHAW
4/23/15

SHEET SIZE D
DRAWN BY MEE
DATE 03-19-15
JOB # 1432
SHEET # C19
DRAWING # 1432-C19

HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
529 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 796-5422

SHEET **C19**



REVISION	DESCRIPTION	CHECKED	APPROVED

REV. DATE LTR. A (6-25-15) Revised as per City Review Comments dated 04-16-15

REGISTERED PROFESSIONAL ENGINEER - LAND SURVEYOR
#2102
S. W. SHAW
4/23/15

SHEET SIZE: D

DRAWN BY: MEE

CHECKED BY: JSH

DATE: 03-19-15

JOB: 1432

SHEET: C20

DRAWING #: 1432-C20

**NORTHEAST CROSSING ADDITION
PHASE I/PROJECT I
STANDARD DRAWINGS
DK HOLDINGS, LLC
LEWISTON, IDAHO**

HEDCO

HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 750-5422

SHEET: C20