

CLEARVIEW EYE CLINIC AND SURGERY CENTER
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 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 WDOTM41-10 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 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 WDOTM41-10 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 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 WDOTM41-10 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 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 Unavailable 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 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				
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					
VIDEO INSPECTION	N/A		Public Works Policy No 2012-2				
3. WATER MAINS							
DUCTILE IRON or PVC WATER MAIN	AWWA C-151, C-200, C-305 (Class as Req'd)		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 Min.	Per Approved Plans or City Std Draw # 4-4		Each Joint			
HYDROSTATIC PRESSURE	N/A	2 Hrs. NTE Allowable Leakage Per AWWA C-600, AWWA C-605		100% Working Pressure OR 15 times the Working Pressure in the Water System			
CHLORINATION/BACTERIA	N/A	AWWA C-651		Bacterial Testing: two negative testing samples 24 hours apart			
4. WASTEWATER MAINS							
PVC WASTEWATER MAIN	PVC, SDR 35	ASTM 3034		N/A			
ALIGNMENT AND GRADE	N/A	Per Manufacturer's Instructions		Per Plan			
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Per Manufacturer's Instructions		Each Joint			
MANHOLES	Concrete	Hydraulic 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 Disinlets, No Ripples > 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 = 3600 psi; Water/Cement Ratio shall be 0.5 or less Max. Slump = 5 inches Air Content Percent = 6.0% ± 1.5 Temperature = 60°F - 80°F ± 0.02" from Design Grade/Alignment ± 0.02"/10' Segment	1 of Each Test Minimum per Day, or 1 of Each Test per 50 CY			
ALIGNMENT AND GRADE	N/A	Visual		Per 10' Section			
JOINTS/FLATNESS/STRAIGHTNESS	N/A	Visual		Per 10' Section			
FINISH	N/A	Visual		Entire Surface Area			
6. ASPHALTIC CONCRETE PAVING							
HOT MIX ASPHALT	ITD Class II 1/2" - App'd Mix Design Required (2004 ITD Spec 405, 702, and 703.05)	AASHTO T 166, Method C, Specific Gravity of HMA AASHTO T 200, 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 WDOTM41-10 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		1ANK or After Every Rainfall			
8. TRAFFIC CONTROL	Per Approved Plan	Current Adopted MUTCD/ATSSA		Continuous			
9. RECORD DRAWINGS	AutoCAD Elected File, Bond Paper, 22" x 34" Min Size	City Checklist		Before Public Improvements Accepted			
10. ENGINEER'S CERTIFICATION							
Date Last Revised July 2014							

LEGEND

	PROPOSED A.C. PAVEMENT		EXISTING A.C. PAVEMENT
	PROPOSED CONCRETE		EXISTING CONCRETE
	PROPOSED SAN. SEWER		EXISTING SAN. SEWER
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED WATER LINE		EXISTING WATER LINE
	PROPOSED FIRE PROTECTION		EXISTING FIRE PROTECTION
	PROPOSED CATCH BASIN		EXISTING CATCH BASIN
	PROPOSED MANHOLE		EXISTING MANHOLE
	PROPOSED GATE VALVE		EXISTING GATE VALVE
	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED THRUST BLOCK		EXISTING THRUST BLOCK
	PROPOSED WATER METER		EXISTING WATER METER
	PROPOSED POST INDICATOR VALVE		EXISTING POST INDICATOR VALVE
	PROPOSED CONTOUR LINE		EXISTING CONTOUR LINE
	PROPOSED SPOT ELEVATION		EXISTING SPOT ELEVATION
	PROPERTY LINE		EXISTING UTILITY
	CENTERLINE		
	SILT FENCE		
	GRADE BREAK LINE		

CONTACTS

OWNER
CLEARVIEW
2500 WEST STREET, SUITE 300
MOSCOW, ID 83483
PHONE: 208-882-4662
FAX: 208-882-6557

DESIGN-BUILD CONTRACTOR
KENASTON CORPORATION
2517 MAIN STREET, PO BOX 245
LEWISTON, ID 83501
PHONE: 208-746-1351
FAX: 208-746-1937

UTILITY PROVIDERS
SANITARY SEWER CITY OF LEWISTON 208-746-1316
WATER CITY OF LEWISTON 208-746-1316
POWER AVISTA (DAVE FOWLER) 208-791-7150
TELECOM CENTURY LINK (JULIO MENDEZ) 208-798-8380
TELECOM XO (SEAN P. SCANLON) 509-444-8556
CABLE T.V. CABLEONE (TOM DONAHUE) 208-791-5032

SHEET INDEX

- C1 EXISTING SITE CONDITIONS
- C2 SITE DEVELOPMENT PLAN
- C3 SITE GRADING PLAN
- C4 RETAINING WALL PLAN & PROFILE
- C5 DETAILS
- C6 STANDARD DETAILS
- C7 STANDARD DETAILS
- C8 CONSTRUCTION EROSION & SEDIMENT CONTROL

2014-11-14 REVIEW SET - NOT FOR CONSTRUCTION

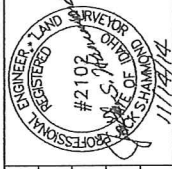
CLEARVIEW EYE CLINIC AND SURGERY CENTER
CIVIL CONSTRUCTION PLANS
2840 JUNIPER DRIVE
LEWISTON, IDAHO



HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE, LEWISTON, IDAHO 83501
(208) 798-5422

SHEET
C

REVISION	DESCRIPTION	DATE	CHECKED	APPD.

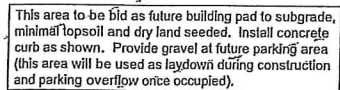
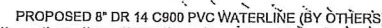


SHEET SIZE	D	CHECKED BY	JSH
DRAWN BY	MEE	DATE	11-14-14
SHEET	C	JOB #	1326
DRAWING #	1326-C		



NOTE
All watermain materials and installation shall conform to ISPWC construction specifications.

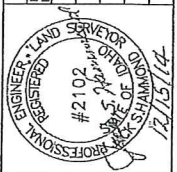
LOT 2/LOT 10,
NEZ PERCE
PLAZA NO. 1



this is Reverse

NEZ PERCE
TERRACE NO. 3

REV. NO.	DATE	REVISION DESCRIPTION	CHECKED	APPRO.
A	11-14-14	Rev: Waterline alignment, S.W.D Pond location, Resolving Well Site grading		
B	11-17-14	Rev: Waterline annotation		
C	12-15-14	Rev: Waterline alignment, City review comments (12/08/14)		
D	02-10-15	Rev: Sanitary Sewer Storm CB		
E	02-13-15	Rev: Invert error at Sta. C+D.		



SCALE	1"=20'	SHEET SIZE	D
DRAWN BY	MEE	CHECKED BY	JSH
DATE	10-07-14	JOB #	1326
SHEET		C2	
DRAWING #		1326-C2	

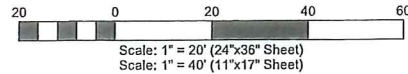
**CLEARVIEW EYE CLINIC AND SURGERY CENTER
SITE DEVELOPMENT PLAN
2840 JUNIPER DRIVE
LEWISTON, IDAHO**



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SHEET

C2

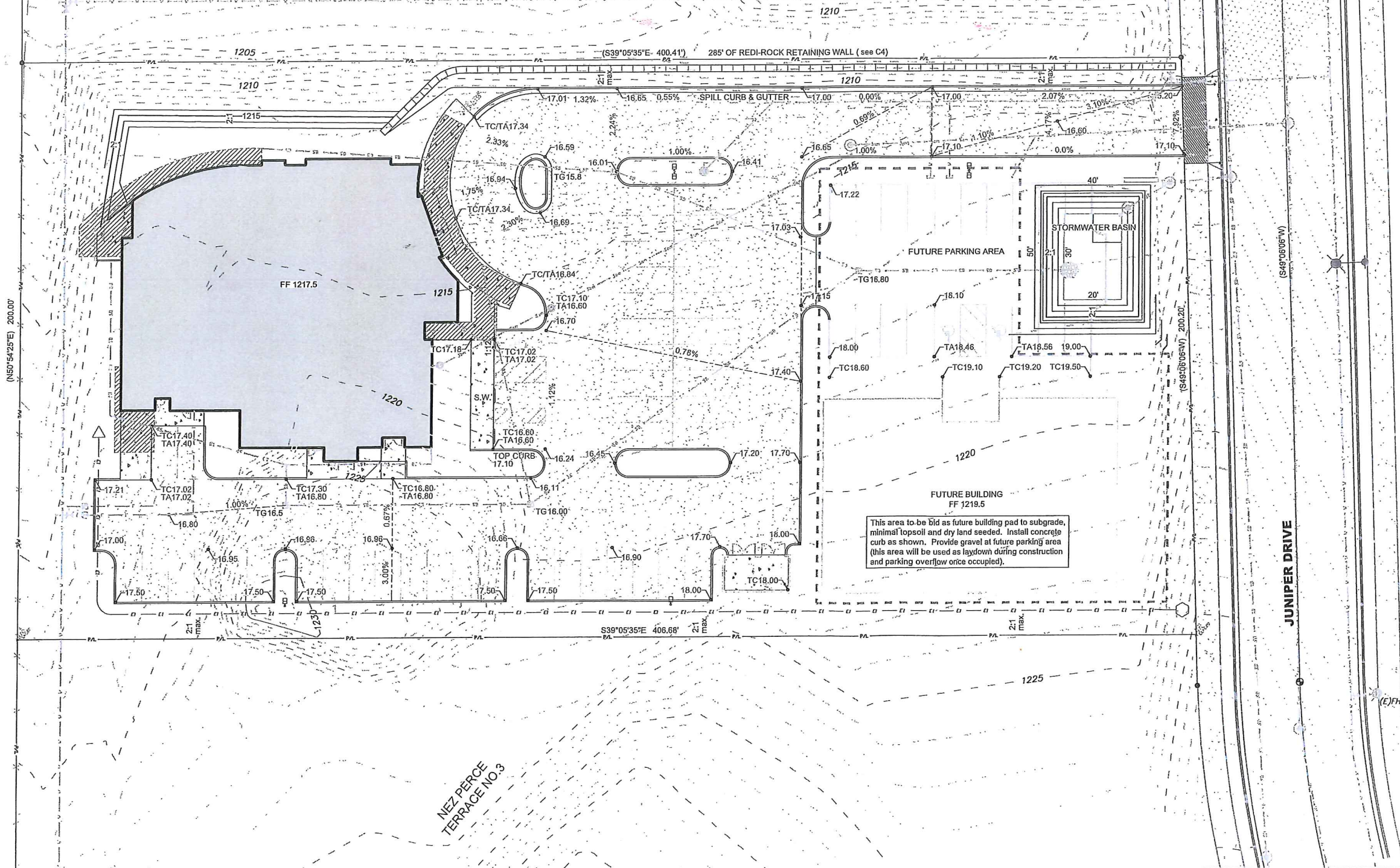


ELEVATION BENCHMARK
CITY OF LEWISTON SURVEY CONTROL NETWORK (PT #13A)

NOTES:
1) All spot elevations at Top of Asphalt, unless otherwise noted.

LOT 2/LOT 10,
NEZ PERCE
PLAZA NO. 1

LOT 9, NEZ PERCE
PLAZA NO. 1



This area to be bid as future building pad to subgrade, minimal topsoil and dry land seeded. Install concrete curb as shown. Provide gravel at future parking area (this area will be used as laydown during construction and parking overflow once occupied).

AS CONSTRUCTED 11/10/16 JSH
Hedco, Inc.
523 Bryden Ave
Lewiston, ID 83501

REVISION

REV	DATE	DESCRIPTION	CHECKED	APPD.
A	11-14-14	Rev: Waterline alignment, SWD Pond location, Retaining Wall, Site grading		
B	12-15-14	Rev: Waterline alignment, City review comments (12/04/14)		
C	03-04-15	Rev: FG		

ENGINEER - LAND SURVEYOR

#2102

J. SHANKS

12/15/14

SHEET SIZE

D

CHECKED BY

JSH

DATE

10-07-14

SHEET

1326

DRAWING #

C3

1326-C3

CLEARVIEW EYE CLINIC AND SURGERY CENTER

SITE GRADING PLAN

2840 JUNIPER DRIVE

LEWISTON, IDAHO

HEDCO

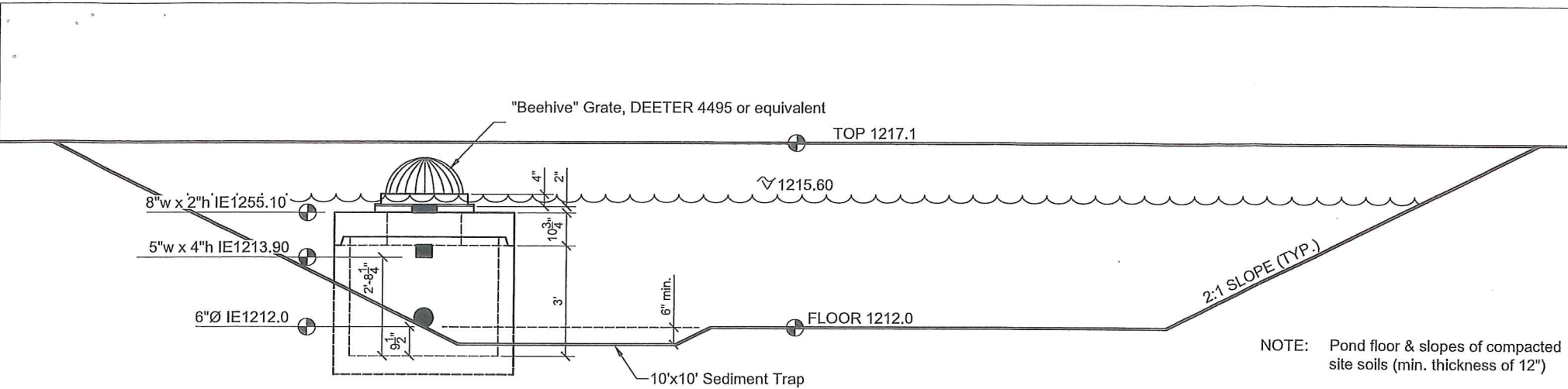
HAMMOND ENGINEERING & DEVELOPMENT CO.

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SHEET

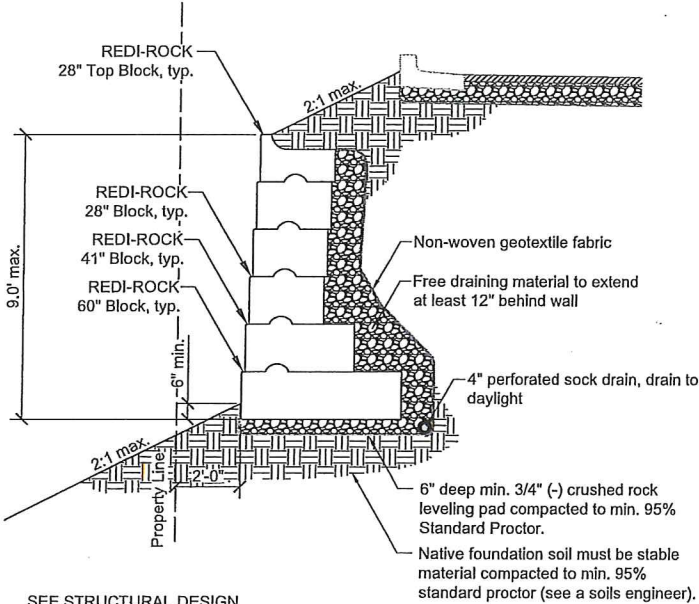
C3



STORMWATER DETENTION POND & OUTLET STRUCTURE

DETAIL A
NO SCALE 1326-C1

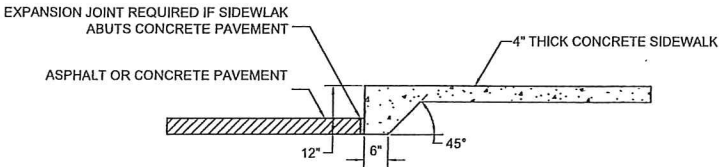
AS CONSTRUCTED 11/10/16 JSH
Hedco, Inc.
529 Bryden Ave
Lewiston, ID 83501



SEE STRUCTURAL DESIGN CALCULATIONS, BY TERRITORIAL LANDWORKS, INC.

REDI-ROCK RETAINING WALL

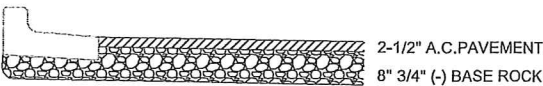
DETAIL B
NO SCALE 1326-C3



SIDEWALK - THICKENED EDGE DETAIL

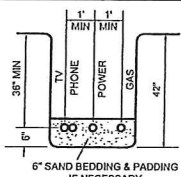
N.T.S.

THICKENED EDGE SIDEWALK SHALL BE INSTALLED WHEN SIDEWALK ABUTS PAVED PARKING AREA.

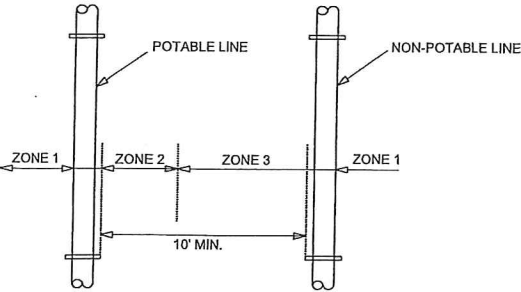


PARKING LOT X-SECTION

FRANCHISE UTILITIES TRENCH DETAIL



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 to with Potable water class pipe and pressure tested for water-tightness.

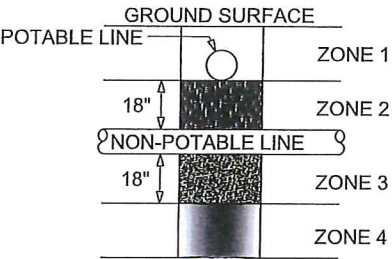
Zone 3 : (CLOSER THAN 6 FEET APART)

- 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 2" AND METERS WILL BE 1" 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 PARKING & DRIVEWAY AREAS ARE TO BE PAVED WITH 2.5" A.C. & 8" AGGREGATE BASE ROCK OVER GEOTEXTILE FABRIC.
- ALL PARKING STALLS ARE TO BE PERMANENTLY MARKED WITH STRIPES AND SIGNS AT THE HANDICAP STALLS, TO LEWISTON CITY STANDARDS.
- ALL WORK DONE WITHIN CITY RIGHT OF WAY TO BE DONE IN ACCORDANCE WITH CITY STANDARDS.
- WATER MAIN PIPING, FIRE HYDRANTS AND VALVES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CITY OF LEWISTON STANDARDS.
- SANITARY SEWER PIPING AND MANHOLES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CITY OF LEWISTON STANDARDS.
- 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.
- SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS AND INTERSECTIONS SHALL BE MAINTAINED.
- 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 STREET RIGHT-OF-WAY, AN TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE DEVELOPER IS RESPONSIBLE FOR STREET CLEANUP AT THE END OF EACH SHIFT.
- ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY ORDINANCES AND STANDARDS.

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 58.01.01.542.07: Idaho Rules for Public Drinking Water Systems and IDAPA 58.01.16.430.0 Idaho Wastewater Rules.

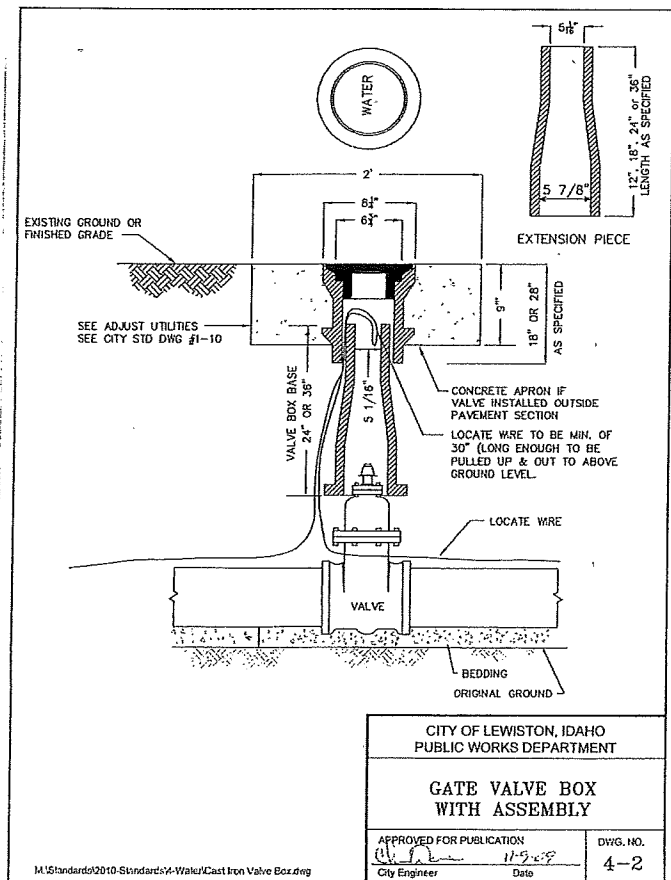
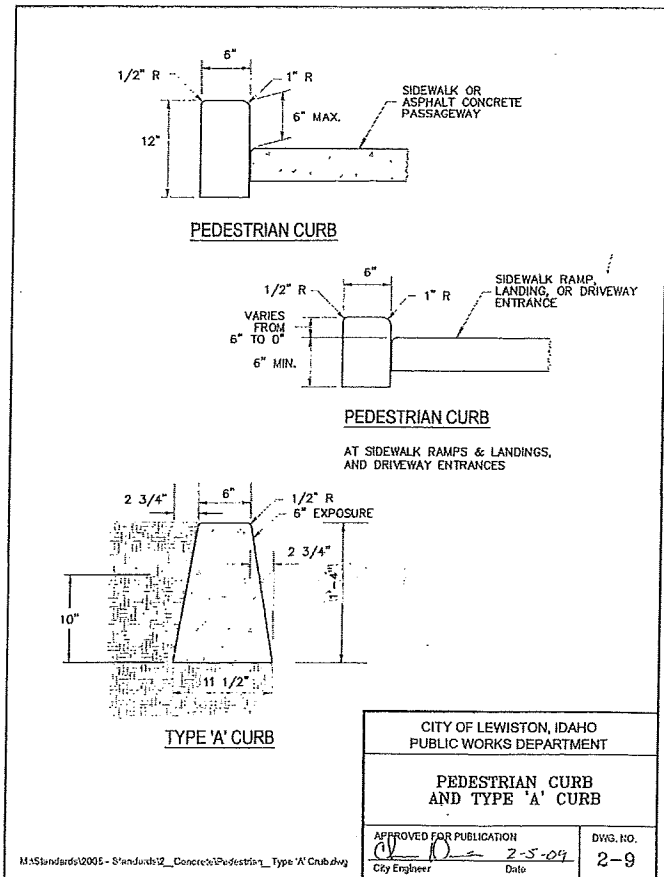
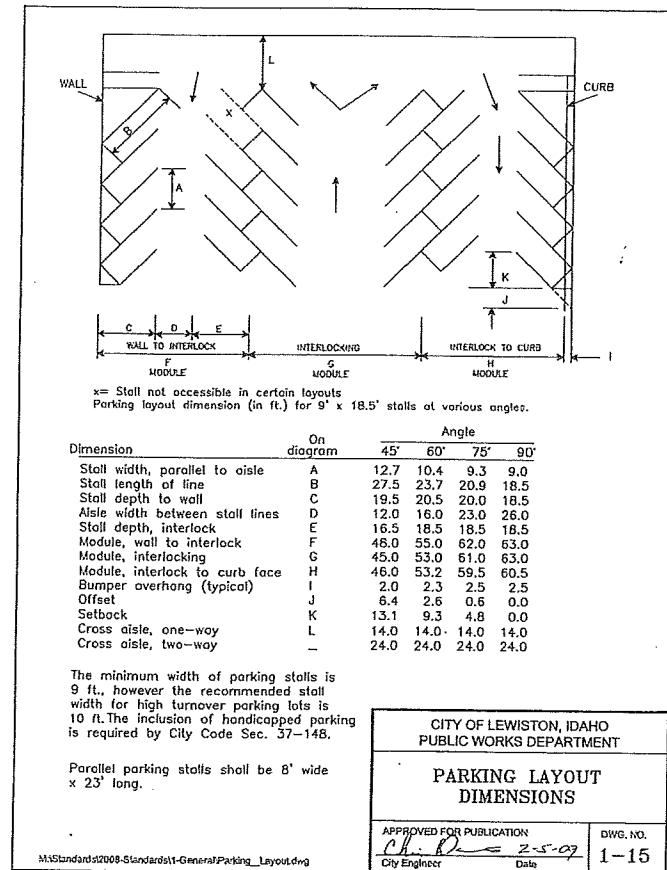
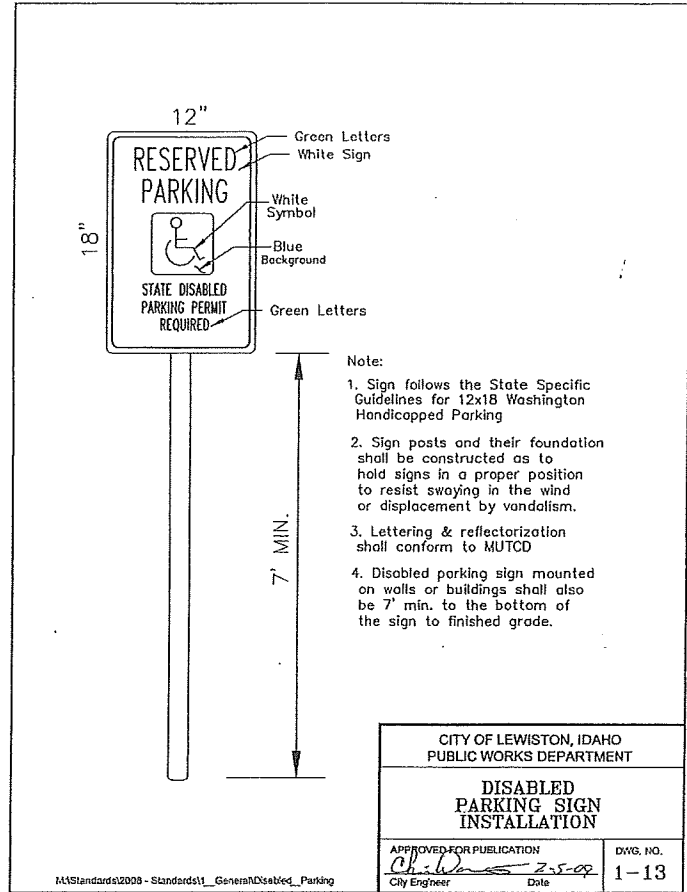
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DETAILS
2840 JUNIPER DRIVE
LEWISTON, IDAHO

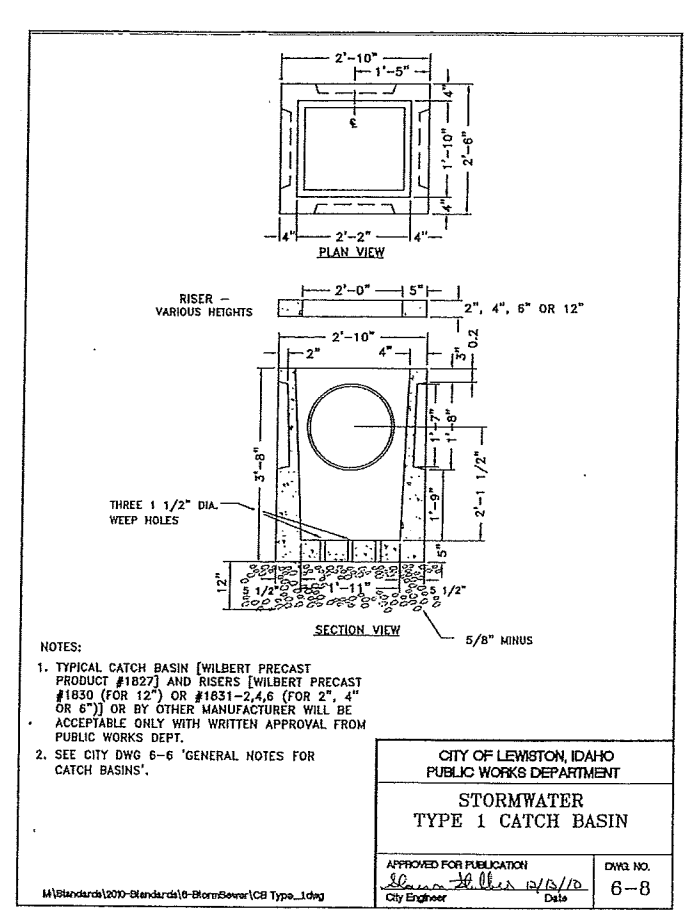
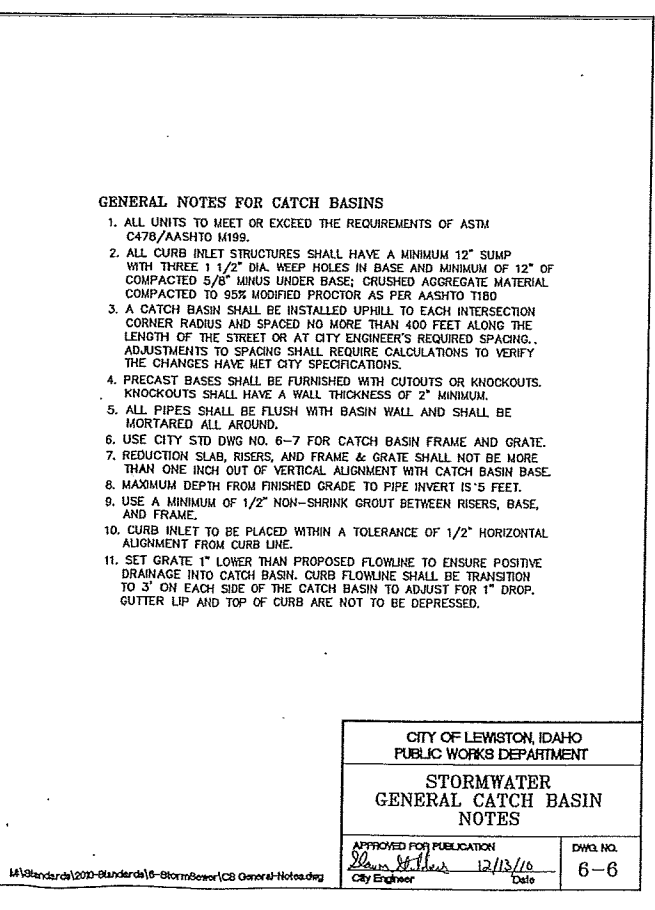
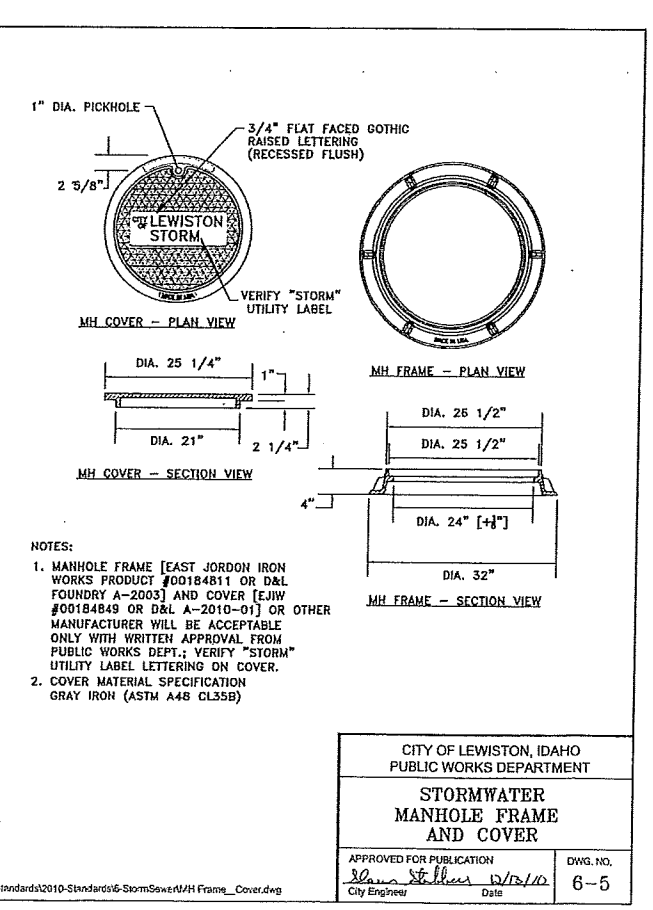
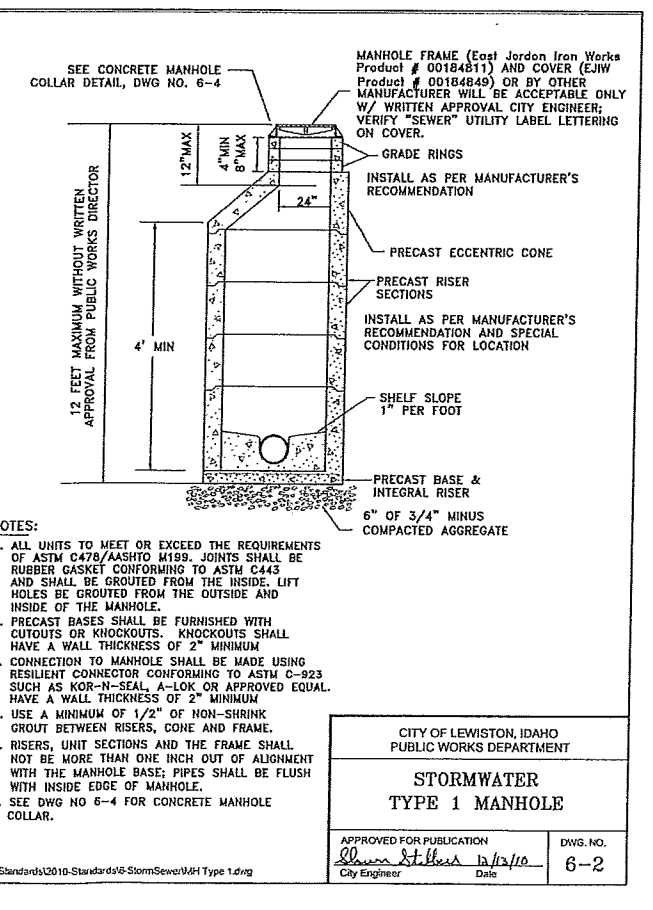
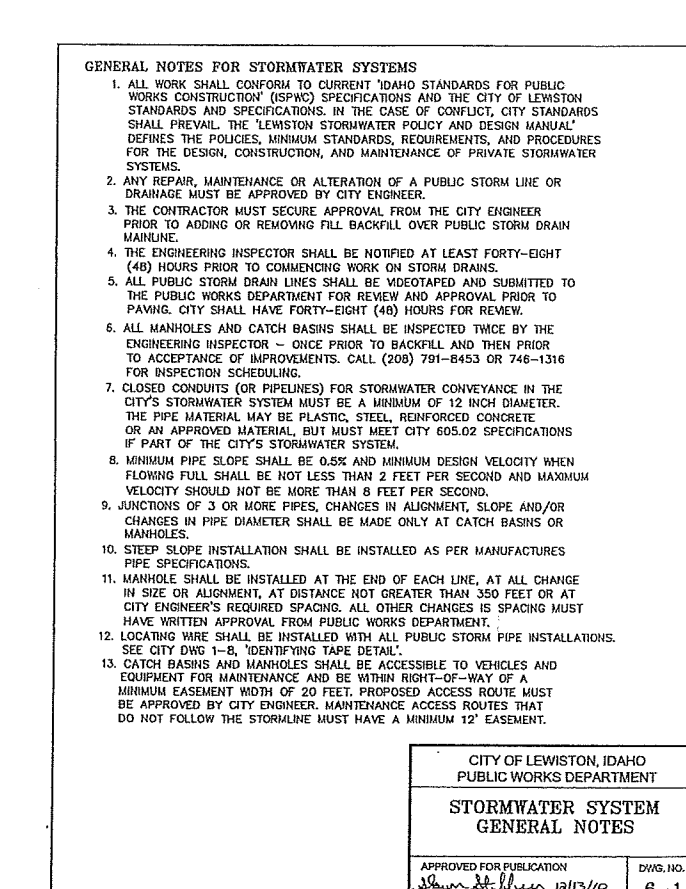
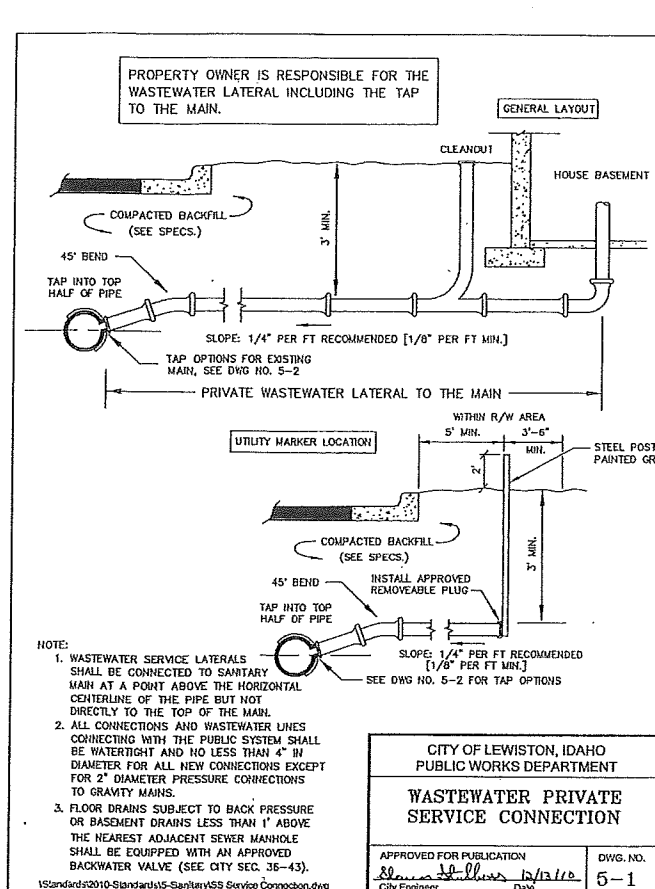
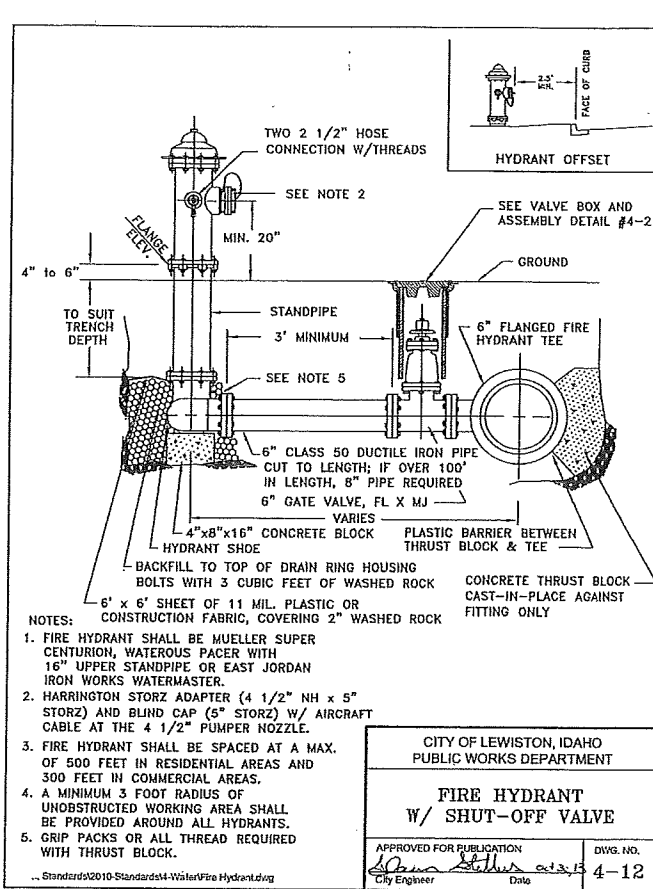
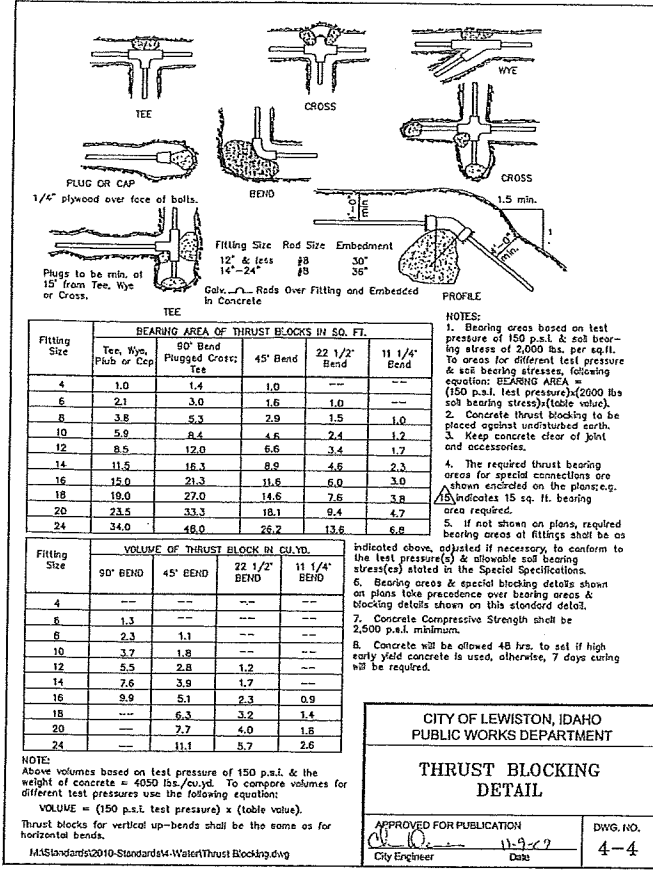
HEDCO

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SHEET

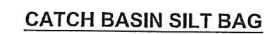
C5







50'x15' min. Construction entrance constructed with 12" of compacted quarry spalls

C8