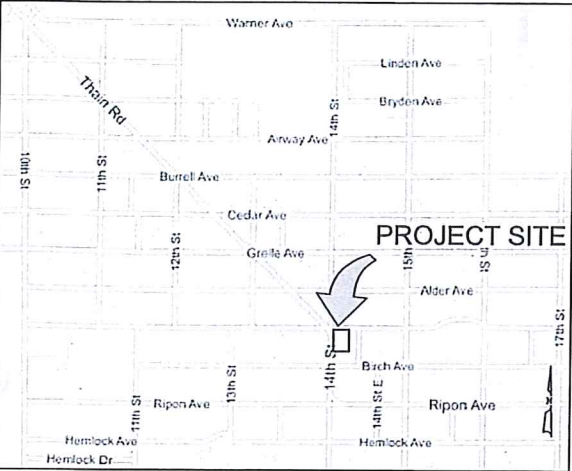


14TH STREET MEDICAL
CIVIL CONSTRUCTION PLANS



CITY INSPECTION CHECKLIST

ITEM	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	DATE	INITIAL
1. ALL UTILITY TRENCHES & STRUCTURES							
TRENCH SUBGRADE	Native (6" to 6" Lifts) Max.	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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)			
PIPE BEDDING	3/4" minus Crushed Aggregate (6" to 6" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 6" Max. Lift) (Current WDOTM41-10 Spec 9.03.9)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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)			
1st FOOT (12") OF FILL OVER PIPE	3/4" minus Crushed Aggregate (6" to 6" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 6" Max. Lift) (Current WDOTM41-10 Spec 9.03.9)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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 6" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 6" Max. Lift) (Current WDOTM41-10 Spec 9.03.9)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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-TRAFFICED AREA	Native Soil Free of Unacceptable Material w/ 4" Max. Particle Size (8" Max. Lift)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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 (Disinfectant/Preper 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	IC-10 Standard		Between Access Holes			
VIDEO INSPECTION	N/A		Public Works Policy No. 2012-2				
3. WATER MAINS							
DUCTILE IRON or PVC WATER MAIN	AWWA C-151, C-100, C-905 (Class as Req'd)		Certified & Visual by City				
ALIGNMENT AND GRADE	N/A	AWWA C-600 AWWA C-605		Per Plan			
JOINTS (Disinfectant/Preper Pipe Embedment)	N/A	AWWA C-600 AWWA C-605		Each Joint			
THRUST BLOCKS	Concrete, 2500 PSI Min	Per Approved Plans/IC-10 City Std Dwg 2.4.4		Each Joint			
HYDROSTATIC PRESSURE	N/A	2 Hrs. NTE Allowable Leakage Per AWWA C-600, AWWA C-605		150% Working Pressure OR 1.5 times the Working Pressure in the Water System			
CHLORINATION/BACTERIA	N/A	AWWA C-651		Bacteriological Testing: two negative testing samples 24 hours apart			
4. WASTEWATER MAINS							
PVC WASTEWATER MAIN	PVC, SCH 35	ASTM 3624		N/A			
ALIGNMENT AND GRADE	N/A	N/A		Per Plan			
JOINTS (Disinfectant/Preper 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, Disinfectants, No Eel as > 0.02"	Public Works Policy No. 2012-2	Between Access Holes			
5. CONCRETE CURB, GUTTER & SIDEWALK							
CONCRETE	CLASS 350 - Approved Mix Design Required with Min Cement Content of 565 LB/CY, Max Water/Cement Ratio of .44, a VWR, and an AEA	ASTM 318, Method C, Spec'd Gravity of HWA AASHTO T 203, Test for Maximum Specific Gravity WDOTM41-10 Sampling Freshly Mixed Concrete	Min. 28 day Compressive Strength = 3000 psi Water/Cement Ratio shall be 0.5 or less Max. Slump = 5 inches Air Content Percent = 6.0% ± 1.5 Temperature = 57°F - 80°F	1 at Each Test Month per Day, or 1 at 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 WDOTM41-10 Spec 8.03.9)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	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			
JOINTS/FLATNESS/STRAIGHTNESS	N/A	Visual	± 0.02' / 10' Segment	Per 10' Section			
FINISH	N/A	Visual	Flared, Uniform, Light Broom Finish	Entire Surface Area			
6. ASPHALTIC CONCRETE PAVING							
HOT MIX ASPHALT	TD Class II 1/2" - App'd Mix Design Required (2104 ITD Spec 403, 707, and 703.05)	AASHTO T 165, Method C, Spec'd Gravity of HWA AASHTO T 203, Test for Maximum Specific Gravity WDOTM41-10 Sampling Freshly Mixed Concrete	92%-95% Max. Theoretical Density	1 Test Per 750 Tonnage in 1 Test			
CRUSHED AGGREGATE BASE COURSE*	Same test requirement as under 5. Concrete Curb, Gutter & Sidewalk						
7. EROSION & SEDIMENT CONTROLS							
Per Approved Plan	Per Approved Plan	Per Plan and Manufacturer's Instructions		1/10% or After Every Rainfall			
8. TRAFFIC CONTROL							
Per Approved Plan	Per Approved Plan	Current Addressing MUTCD/ATSSA		Continuous			
9. RECORD DRAWINGS							
10. ENGINEER'S CERTIFICATION	AutoCAD Elect File, Bond Paper, 22"x34" Min Size	City Council		Before Public Improvements Accepted			
Date Last Revised September 2015							

LEGEND

— 16" — 16" —	PROPOSED SAN. SEWER	— 16" — 16" —	EXISTING SAN. SEWER
— 12" — 12" —	PROPOSED STORM SEWER	— 12" — 12" —	EXISTING STORM SEWER
— 12" — 12" —	PROPOSED WATER LINE	— 12" — 12" —	EXISTING WATER LINE
— 12" — 12" —	PROPOSED FIRE PROTECTION	— 12" — 12" —	EXISTING FIRE PROTECTION
— 12" — 12" —	PROPOSED FENCE LINE	— 12" — 12" —	EXISTING OVERHEAD ELECTRICAL LINE
— 12" — 12" —	PROPOSED CATCH BASIN	— 12" — 12" —	EXISTING UNDERGROUND ELECTRICAL LINE
— 12" — 12" —	PROPOSED MANHOLE	— 12" — 12" —	EXISTING FENCE LINE
— 12" — 12" —	PROPOSED GATE VALVE	— 12" — 12" —	EXISTING CATCH BASIN
— 12" — 12" —	PROPOSED FIRE HYDRANT	— 12" — 12" —	EXISTING MANHOLE
— 12" — 12" —	PROPOSED THRUST BLOCK	— 12" — 12" —	EXISTING GATE VALVE
— 12" — 12" —	PROPOSED CONTOUR LINE	— 12" — 12" —	EXISTING FIRE HYDRANT
— 12" — 12" —	PROPOSED SPOT ELEVATION	— 12" — 12" —	EXISTING THRUST BLOCK
— 12" — 12" —	PROPOSED GRADE BREAK	— 12" — 12" —	EXISTING WATER METER
— 12" — 12" —	PROPOSED CENTERLINE MONUMENT	— 12" — 12" —	EXISTING POWER POLE
— 12" — 12" —	PROPOSED CENTERLINE	— 12" — 12" —	EXISTING CONTOUR LINE
— 12" — 12" —	PROPOSED EASEMENT LINE	— 12" — 12" —	EXISTING SPOT ELEVATION
— 12" — 12" —	PROPERTY LINE	— 12" — 12" —	EXISTING UTILITY
— 12" — 12" —	PROJECT BOUNDARY	— 12" — 12" —	EXISTING CENTERLINE MONUMENT
— 12" — 12" —	SILT FENCE		
— 12" — 12" —	PROPOSED FUTURE IMPROVEMENTS		

CONTACTS

OWNER
IDAHO REAL PROPERTY DEVEL.
1219 IDAHO STREET
LEWISTON, ID 83501
208-743-1516

ARCHITECT
MY ARCHITECT
504 MAIN ST, SUITE 400
LEWISTON, ID 83501
208-743-5902

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

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



SHEET INDEX

- C1 DETAILS & NOTES
- C2 EXISTING SITE PLAN
- C3 SITE DEVELOPMENT PLAN
- C4 SITE GRADING PLAN
- C5 CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
- C6 STANDARD DETAILS
- C7 STANDARD DETAILS

2016-08-08 AS-BUILT SET

14TH STREET MEDICAL

3707 14th STREET
LEWISTON, IDAHO

HEDCO

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

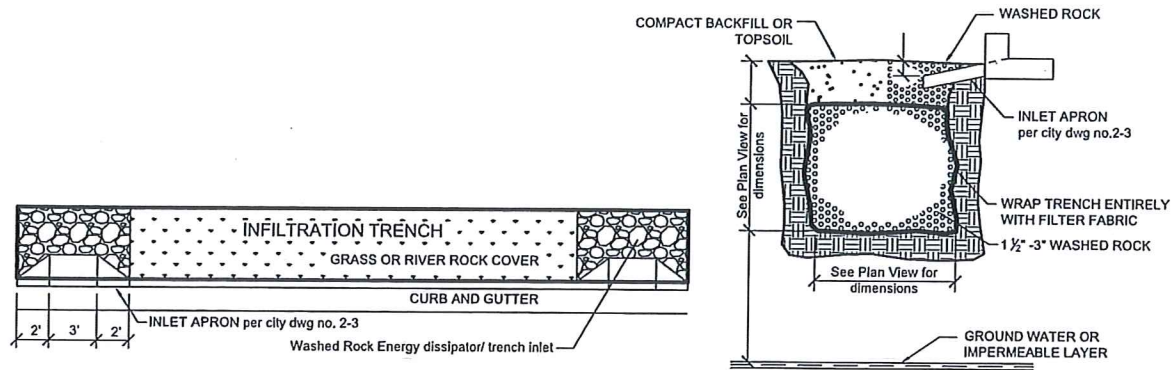
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REV	DATE	DESCRIPTION	CHECKED	APP'D.
A	10-02-15	Water Services shows Delivery Truck Turnaround		
B	10-12-15	Revised as per Fire Dept. & Public Works (10/02/15) Review Comments		
C	10-24-15	Revised SWI Parking & Future Parking (added 8' east)		
D	08-08-16	As-built info.		

ENGINEER - LAND SURVEYOR
REGISTERED
#2102
JSH
9/14/15

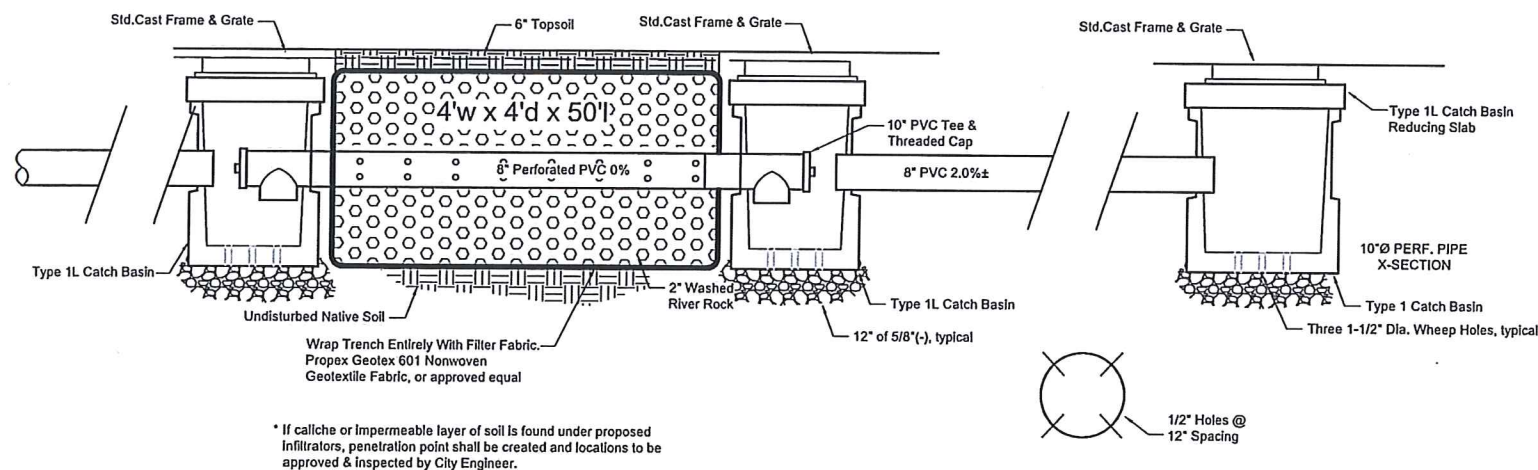
SHEET
C0

1517-C0



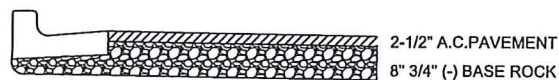
TYPICAL INFILTRATION TRENCH DETAIL

SECTION A
NTS 1517-C3



INFILTRATION TRENCH SYSTEM

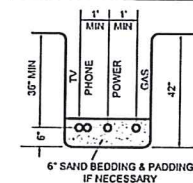
SECTION B
NTS 1517-C3



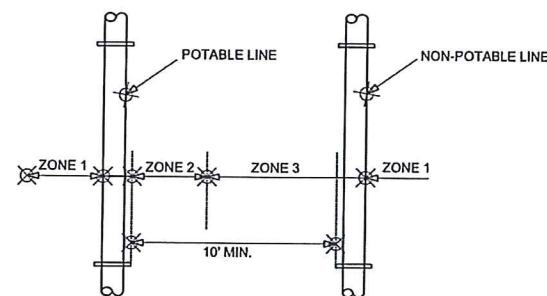
PARKING LOT X-SECTION

AS CONSTRUCTED JSH 8/8/16
Hedco, Inc.
523 Bryden Ave
Lewiston, ID 83501

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.

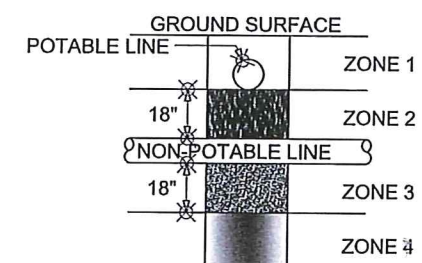
Zone 3: (CLOSER THAN 6 FEET APART)

- * 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.
- 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.

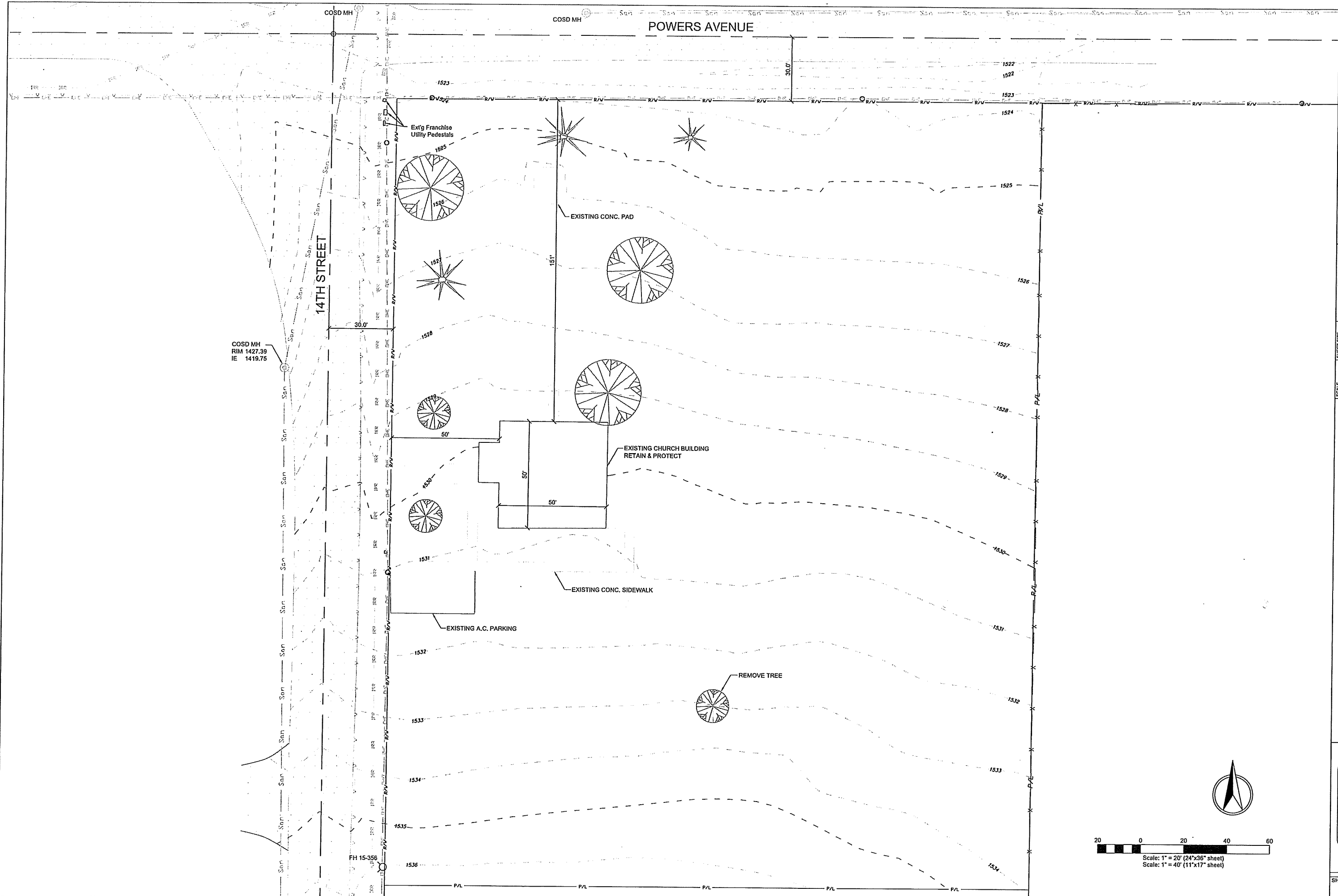
ZONE 3: Same requirements as Zone 2 except the Non-Potable line must also be supported above the crossing to prevent settling.

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.

14TH STREET MEDICAL
DETAILS & NOTES
3707 14th STREET
LEWISTON, IDAHO

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



REVISION		DESCRIPTION		APPROVED	
REV	DATE	DESCRIPTION	APPROVED	DATE	DESCRIPTION

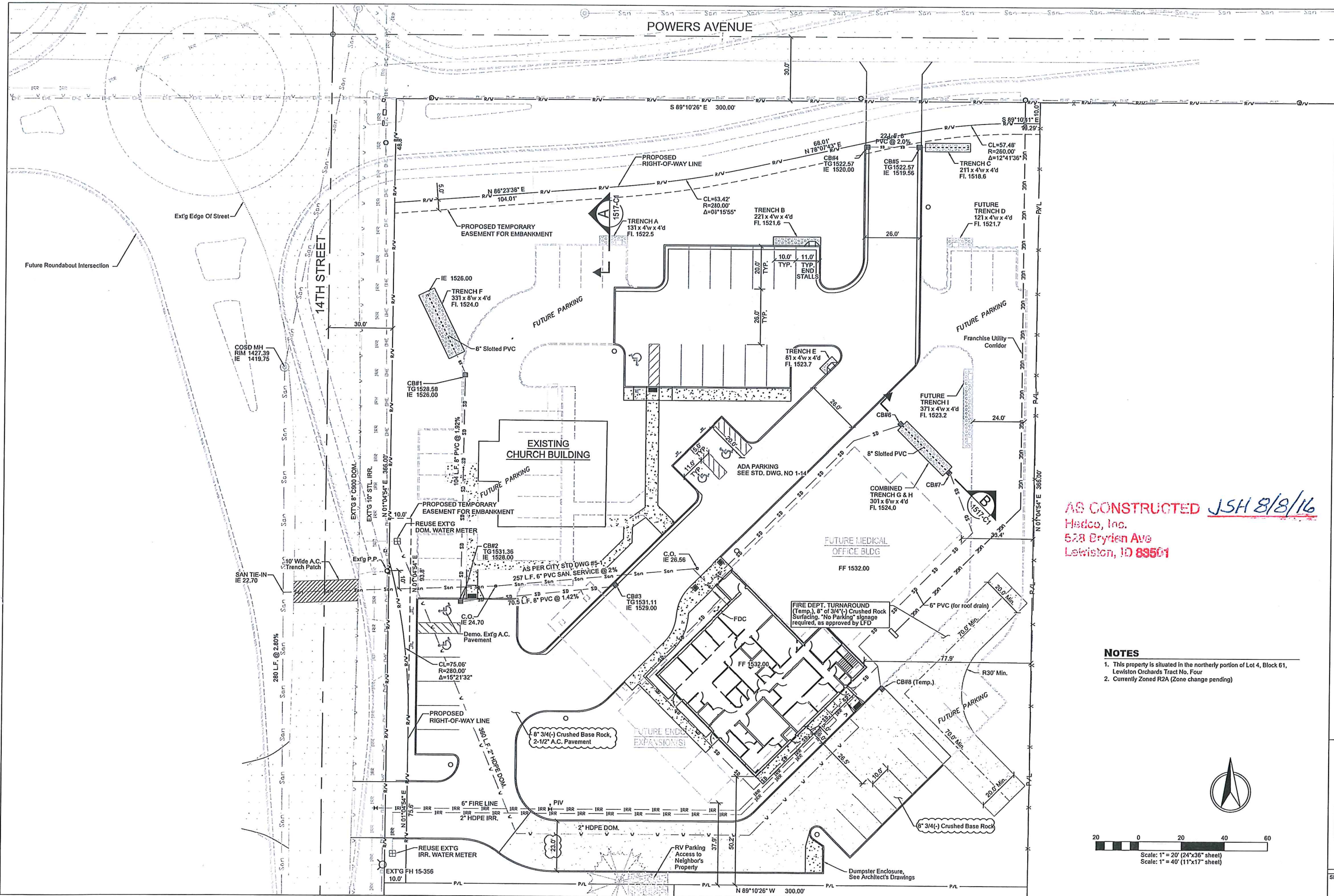
ENGINEER, LAND SURVEYOR
#2102
STATE OF IDAHO
J. SHAMMOE
9/7/15

SCALE	SHEET SIZE	DRAWN BY	CHECKED BY	DATE	JOB #	SHEET	DRAWING #
1"=20'	D	MEE	JSH	08-14-15	1517	C2	1517-C2

**14TH STREET MEDICAL
EXISTING SITE PLAN
3707 14th STREET
LEWISTON, IDAHO**

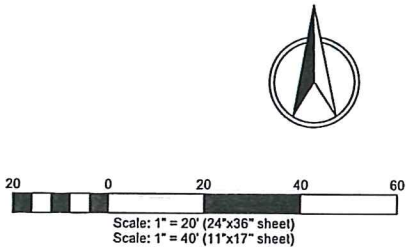
HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE, LEWISTON, IDAHO 83501
(208) 798-5422

SHEET
C2



AS CONSTRUCTED JSH 8/8/16
Hedco, Inc.
528 Bryden Ave
Lewiston, ID 83501

- NOTES**
1. This property is situated in the northerly portion of Lot 4, Block 61, Lewiston Orchards Tract No. Four
 2. Currently Zoned R2A (Zone change pending)



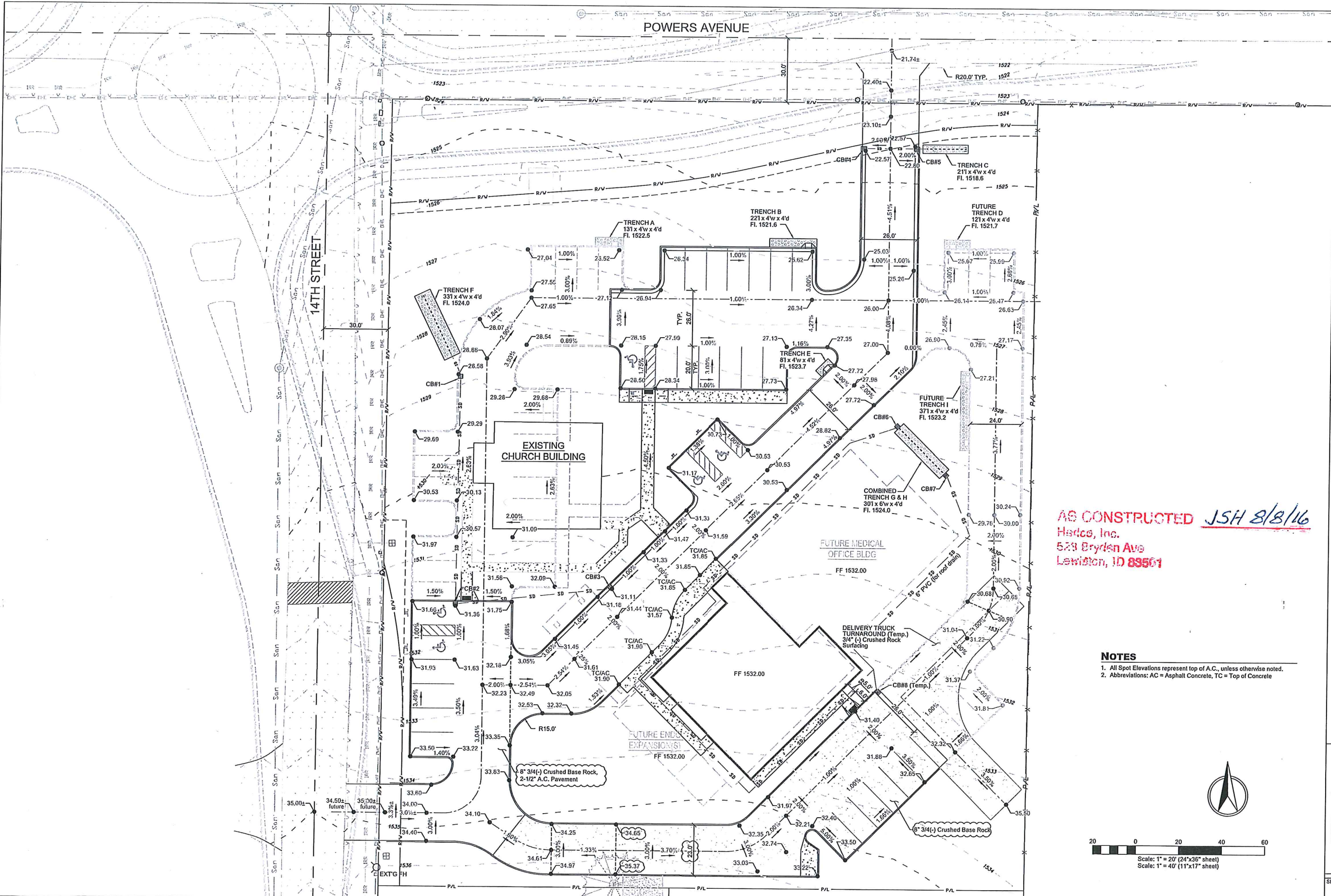
REVISION		DESCRIPTION	DATE	BY	APPD.
B	10-12-15	Revised as per Fire Dept. & Public Works (10/10/15) Review Comments			
C	10-24-15	Revised SW Parking & Future Parking (added 8 stalls)			
D	12-03-15	Revised Fire Line as per FD Reg. RV parking Access to Neighbor			
E	02-01-16	Revised Water Services to Rouse Eng Meters			
F	08-08-16	As-built info.			

SCALE: 1"=20'
DRAWN BY: MEE
DATE: 09-14-15
SHEET: C3
DRAWING #: 1517-C3

**14TH STREET MEDICAL
SITE DEVELOPMENT PLAN
3707 14th STREET
LEWISTON, IDAHO**

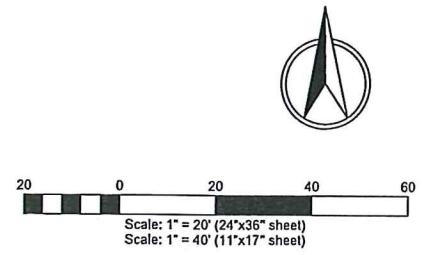
HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE, LEWISTON, IDAHO 83501
(208) 768-5422

SHEET **C3**



AS CONSTRUCTED *JSH 8/8/16*
Hedco, Inc.
523 Bryden Ave
Lewiston, ID 83501

- NOTES**
1. All Spot Elevations represent top of A.C., unless otherwise noted.
 2. Abbreviations: AC = Asphalt Concrete, TC = Top of Concrete



**14TH STREET MEDICAL
SITE GRADING PLAN
3707 14th STREET
LEWISTON, IDAHO**



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

REVISION		DESCRIPTION	DATE	APPD.
A	10-02-15	Delivery Truck Turnaround shown		
B	10-12-15	Revised as per Fire Dept. & Public Works (10/09/15) Review Comments		
C	11-24-15	Revised SW Parking & Future Parking (dittoed & east)		
D	05-08-16	As-built info.		

ENGINEER, LAND SURVEYOR
#2102
J. SHAW
STATE OF IDAHO
9/14/15

SHEET C4
DRAWING # 1517-C4

