

ITEM	MATERIAL	TEST/STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	DATE	INITIAL
1. ALL UTILITY TRENCHES & STRUCTURES							
TRENCH SUBSPACE	Native (6" to 8" Lb/Lin Max.)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	85% 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 8" of 12" cover			
PIPE BEDDING	3/4" minus Crushed Aggregate (6" to 8" Max. Lb/Lin) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lb/Lin) (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)	85% 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 8" of 12" cover			
1st FOOT (12") OF FILL OVER PIPE	3/4" minus Crushed Aggregate (6" to 8" Max. Lb/Lin) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lb/Lin) (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)	85% 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. Lb/Lin) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lb/Lin) (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)	85% 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 / HIGH-TRAFFIC AREA	Native Soil Free of Unacceptable Material 4" Max. Particle Size (8" Max. Lb/Lin)	Moisture Density Relationship of Soils (AASHTO T 160) In-Place Density and Moisture Content (AASHTO 310 Method E)	80% 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							
GRAVELLED PIPE STUMS/PIPE ALIGNMENT AND GRADE	Per Manufacturer's Instructions	Per Manufacturer's Instructions	Confirmed & Visual by City	Per Plan	Confirmed & Visual by City		
JOINTS (Ordnance/Preper Pipe Embedment)	Per Manufacturer's Instructions	Per Manufacturer's Instructions	Each Joint	Between Access Holes			
PRESSURE TEST MANHOLES	Concrete	4 PSI for 15 Minutes, 1/2 PSI Drop	As Required by City Engineer	Between Access Holes			
VIDEO INSPECTION	City Standard	City Standard	Public Works Policy No. 2012-2	Between Access Holes			
3. WATER MAINS							
DUCTILE IRON or PVC WATERMAIN ALIGNMENT AND GRADE	AWWA C-151, C-600, C-805 (Class as Req'd)	AWWA C-600, AWWA C-605	Confirmed & Visual by City	Per Plan	Confirmed & Visual by City		
JOINTS (Ordnance/Preper Pipe Embedment)	Per Manufacturer's Instructions	Per Manufacturer's Instructions	Each Joint	Between Access Holes			
THRUST BLOCKS	Concrete, 2500 PSI Min	Per Approved Plans/ City Std. Div. # 4.4	Each Joint	Between Access Holes			
HYDROSTATIC PRESSURE	N/A	2 Hrs. NTE Allowable Leakage Per AWWA C-600, AWWA C-605		100% Working Pressure OR 15 Minutes the Working Pressure in the Water System			
CHLORINATION/QUALITY	N/A	AWWA C-601		Between Access Holes			
4. WASTEWATER MAINS							
PVC WASTEWATER MAIN ALIGNMENT AND GRADE	PVC, SCH 35	ASTM 3034	N/A	Per Plan			
JOINTS (Ordnance/Preper Pipe Embedment)	N/A	N/A	Each Joint	Between Access Holes			
MANHOLES	Concrete	4 PSI for 15 Minutes, 1/2 PSI Drop	As Required by City Engineer	Between Access Holes			
PRESSURE TEST	N/A	4 PSI for 15 Minutes, 1/2 PSI Drop	As Required by City Engineer	Between Access Holes			
VIDEO INSPECTION	N/A	No Penetrations, Dents or Damage, No Eel ss > 0.07"	Public Works Policy No. 2012-2	Between Access Holes			
5. CONCRETE CURB, GUTTER & SIDEWALK							
CONCRETE	CLASS 35B - Approved Mix Design Required with Unit Weight Control of 140 LB/CY, Max. Water/Cement Ratio of .44, WPA, and an AEA	ASTM C 109, Method C, Spec'd Quantity of HMA AASHTO T 203, Test for Maximum Specific Gravity WPAOTC 114-8, In-Place Density of Bituminous Mixes	Min. 28 Day Compressive Strength = 3500 psi Water/Cement Ratio shall be 0.5 Ratio Max. Slump = 5 inches Air Content Percent = 6.0% ± 1.5 Temperature = 65°F - 75°F	1st Each Test Minimum per Day, or 1st of Each Test per 50 CY			
CRUSHED AGGREGATE BASE COURSE	3/4" minus Crushed Aggregate (4" Max. Lb/Lin) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (4" Max. Lb/Lin) (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			
FINISH	N/A	Visual	Finished, Uniform, Light Broom Finish	Entire Surface Area			
6. ASPHALTIC CONCRETE PAVEMENT							
HOT MIX ASPHALT	TO Class II 1/2" - App'd Mix Design Required 2004 ITD Spec 405, 702, and 703 (S)	AASHTO T 165, Method C, Spec'd Quantity of HMA AASHTO T 203, Test for Maximum Specific Gravity WPAOTC 114-8, In-Place Density of Bituminous Mixes	92%-95% HMA Theoretical Density	1 Test Per 750 Ton-Min 1 Test			
CRUSHED AGGREGATE BASE COURSE	Same test requirements as under 5. Concrete Curb, Gutter & Sidewalk						
7. EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plan and Manufacturer's Instructions		100% or After Every Rainfall			
8. TRAFFIC CONTROL	Per Approved Plan	Current Address MUTCD/ATSSA		Continuous			
9. RECORD DRAWINGS	AutoCAD Elect File, Bond Paper, 24" x 36" Min Size	City Checklist		Before Public Improvements Accepted			
10. ENGINEER'S CERTIFICATION							
Date Last Revised September 2015							

	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 FENCE LINE		EXISTING FENCE LINE
	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 CONTOUR LINE		EXISTING CONTOUR LINE
	PROPOSED SPOT ELEVATION		EXISTING SPOT ELEVATION
	PROPOSED GRADE BREAK		EXISTING GRADE BREAK
	PROPOSED CENTERLINE MONUMENT		EXISTING CENTERLINE MONUMENT
	PROPOSED CENTERLINE		EXISTING CENTERLINE
	PROPOSED EASEMENT LINE		EXISTING EASEMENT LINE
	PROPERTY LINE		EXISTING PROPERTY LINE
	PROJECT BOUNDARY		EXISTING PROJECT BOUNDARY
	SILT FENCE		EXISTING SILT FENCE
	PROPOSED FUTURE IMPROVEMENTS		EXISTING FUTURE IMPROVEMENTS

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

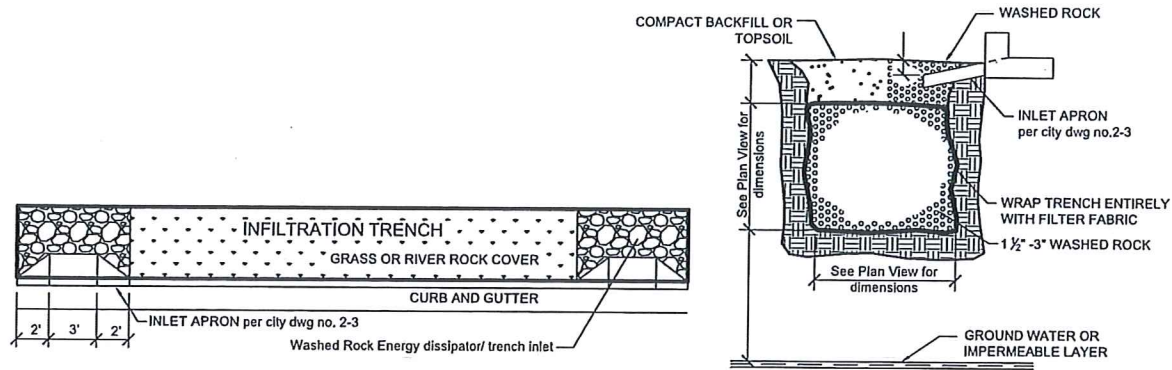
ARCHITECT
MY ARCHITECT
504 MAIN ST. SUITE 400
LEWISTON, ID 83501
208-743-5902

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

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

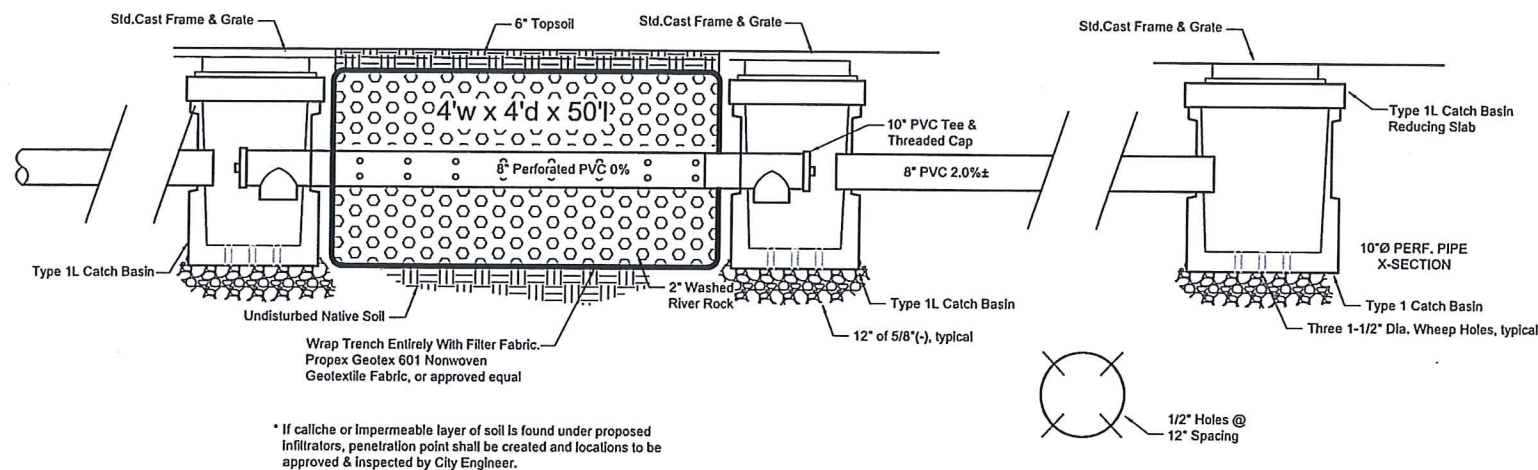


C1	DETAILS & NOTES
C2	EXISTING SITE PLAN
C3	SITE DEVELOPMENT PLAN
C4	SITE GRADING PLAN
C5	CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
C6	STANDARD DETAILS
C7	STANDARD DETAILS



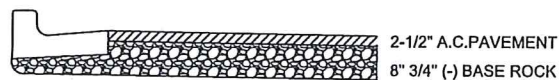
TYPICAL INFILTRATION TRENCH DETAIL

SECTION A
NTS 1517-C3



INFILTRATION TRENCH SYSTEM

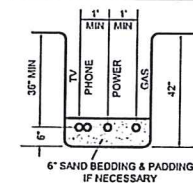
SECTION B
NTS 1517-C3



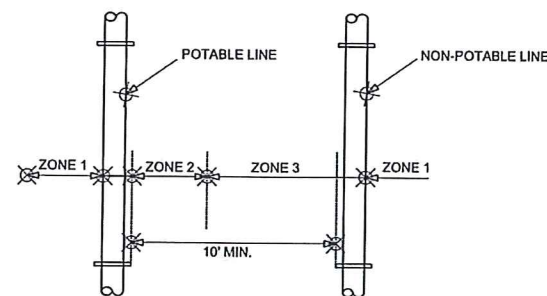
PARKING LOT X-SECTION

AG 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.

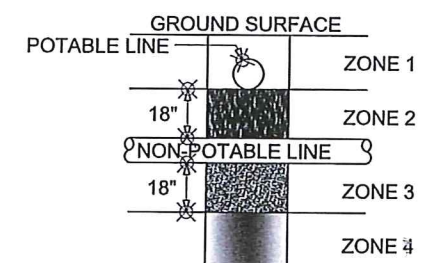
Zone 3: (CLOSER THAN 6 FEET APART)

- * 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.

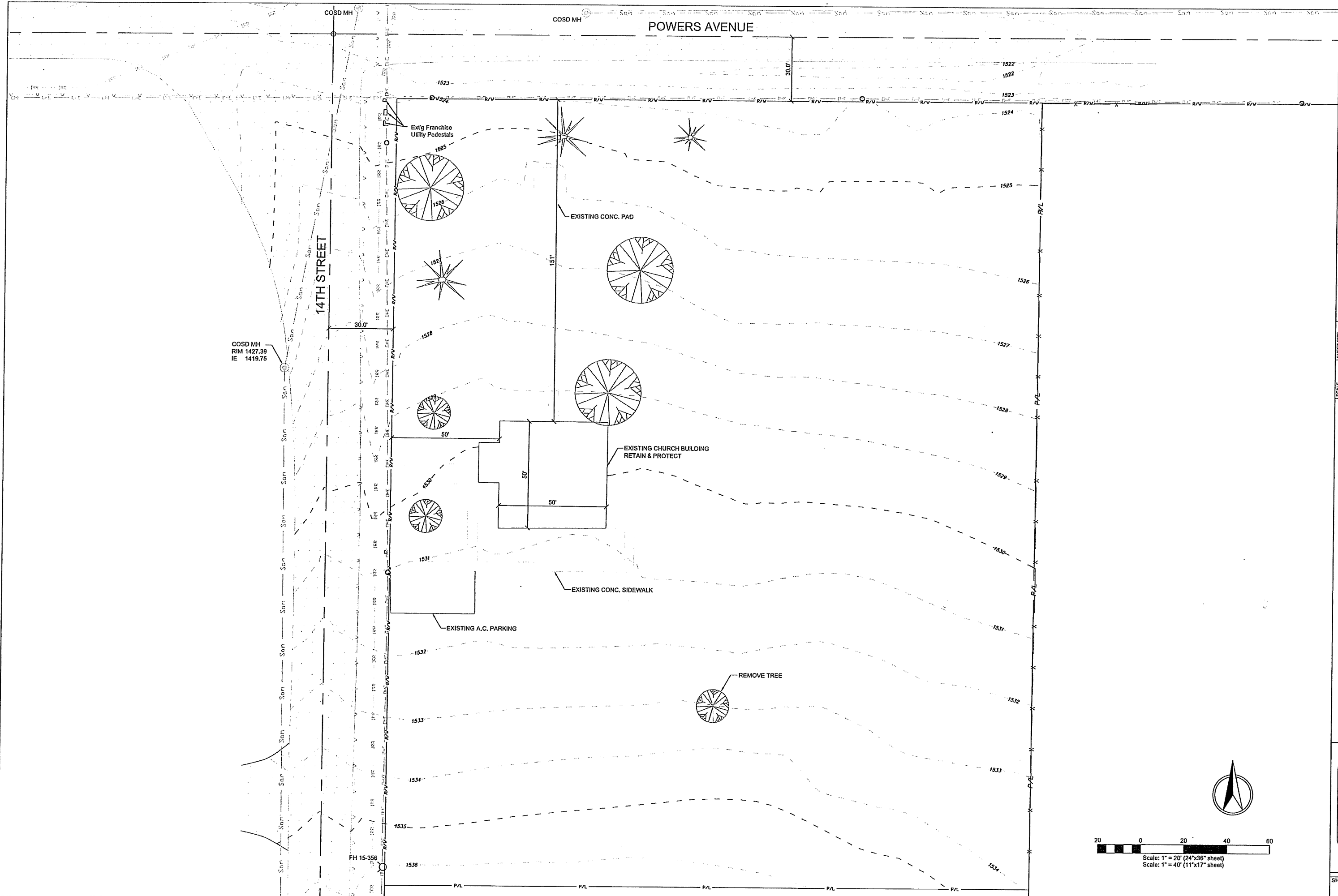
Sewage mains shall have at least eighteen inches of clearance from Potable Water mains and Zones 2 and 3 placements are prohibited. Separation requirements also apply to Potable and Non-Potable service lines controlled by the system owner and extending to the property line, service meter, or cleanout. 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

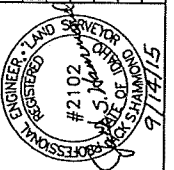
HEDCO
HAMMOND ENGINEERING & DEVELOPMENT CO.
523 BRYDEN AVENUE LEWISTON, IDAHO 83501
(208) 798-5422

SHEET

C1



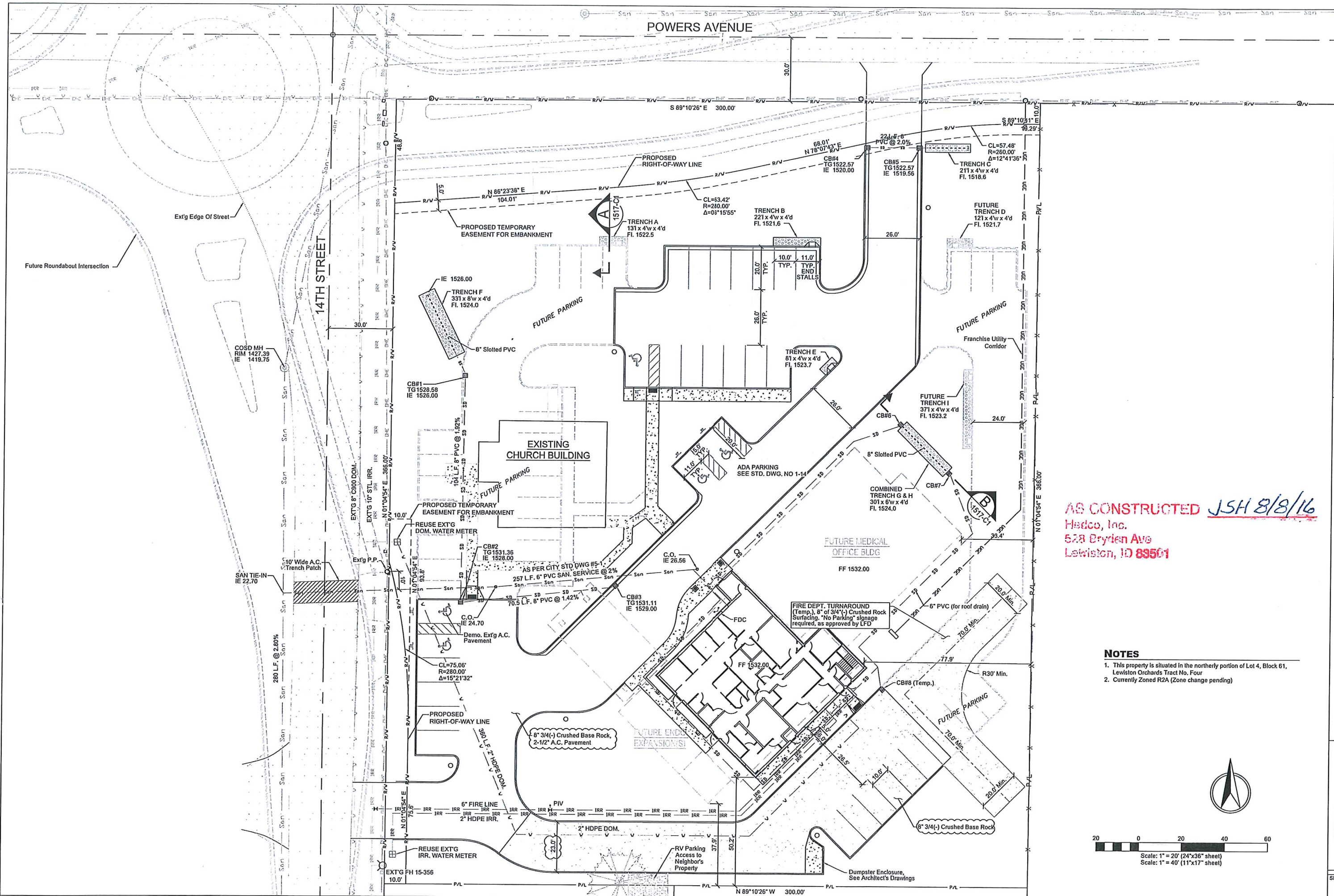
REVISION		DESCRIPTION		APPROVED	
REV	DATE	DESCRIPTION	APPROVED	DATE	DESCRIPTION



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



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 (100015) Review Comments			
C	10-24-15	Revised SWY Parking & Future Parking (added P. east)			
D	12-03-15	Revised Fire Line as per FD Reg. RV parking Access to Neighbor			
E	02-01-16	Revised Water Services to Reuse Eng Meters			
F	08-08-16	As-built info.			

SCALE: 1"=20'

DRAWN BY: MEE

CHECKED BY: JSH

DATE: 08-14-15

SHEET: 1517

DRAWING #: 1517-C3

14TH STREET MEDICAL

SITE DEVELOPMENT PLAN

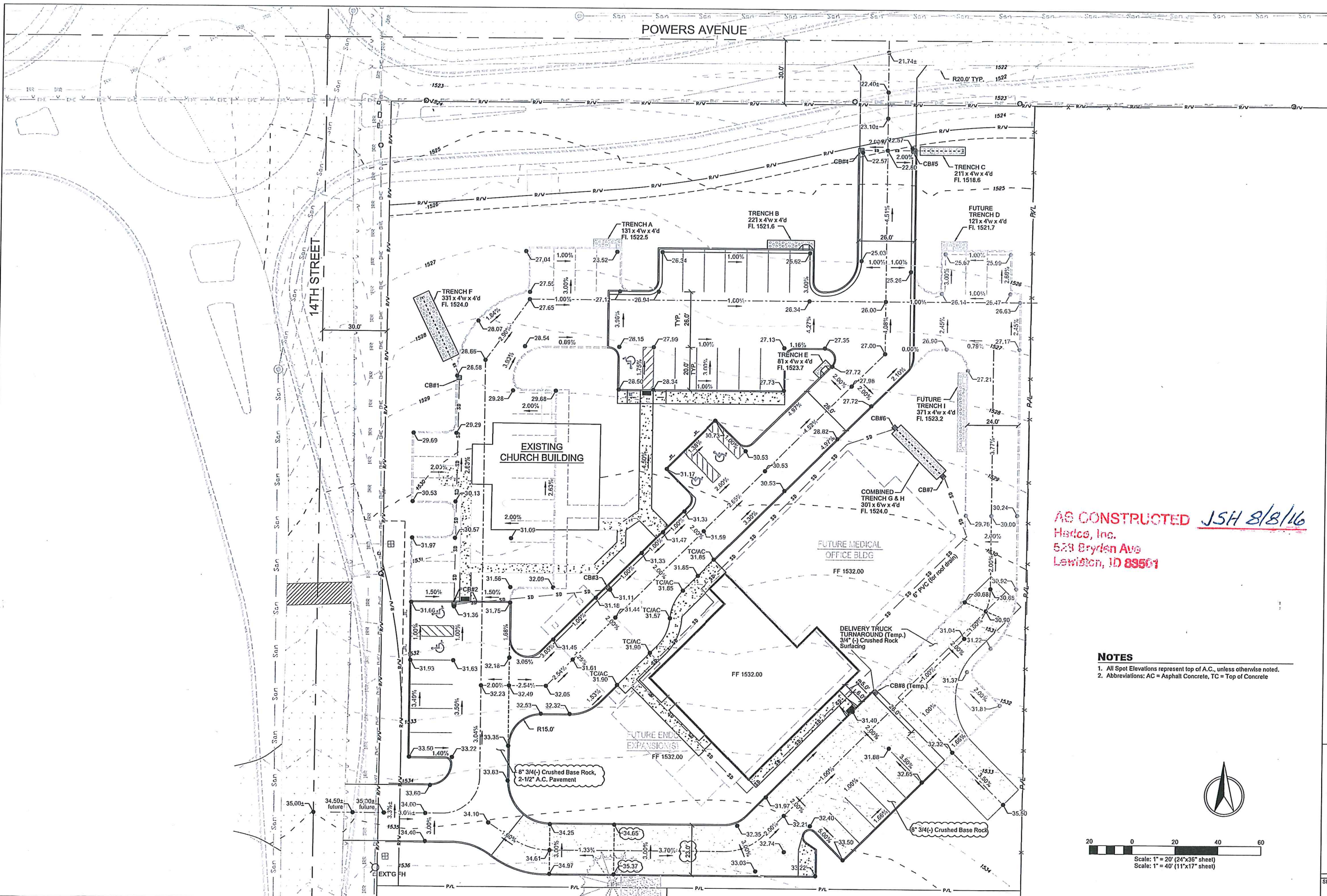
3707 14th STREET

LEWISTON, IDAHO

HEDCO

HAMMOND ENGINEERING & DEVELOPMENT CO.
528 BRYDEN AVENUE, LEWISTON, IDAHO 83501
(208) 708-5422

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

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	10-24-15	Revised SW Parking & Future Parking (dittoed 8' east)		
D	05-08-16	As-built info.		

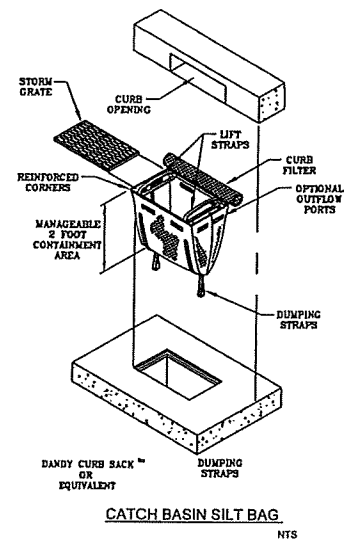
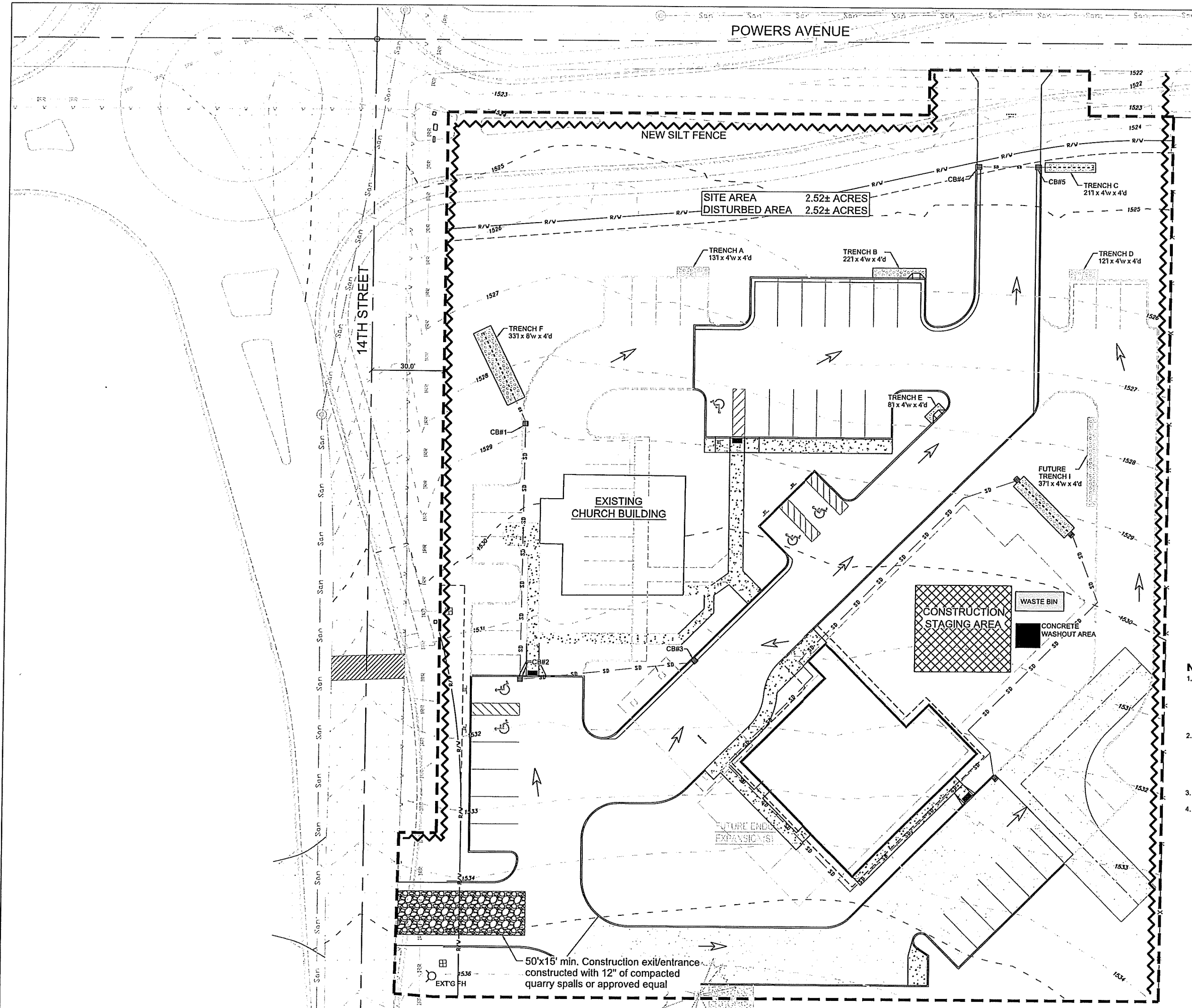
ENGINEER LAND SURVEYOR
J. S. HEDCO
#2102
STATE OF IDAHO
9/14/15

SCALE	SHEET SIZE	DRAWN BY	CHECKED BY	DATE	SHEET	DRAWING #
1"=20'	D	MEE	JSH	09-14-15	1517	1517-C4

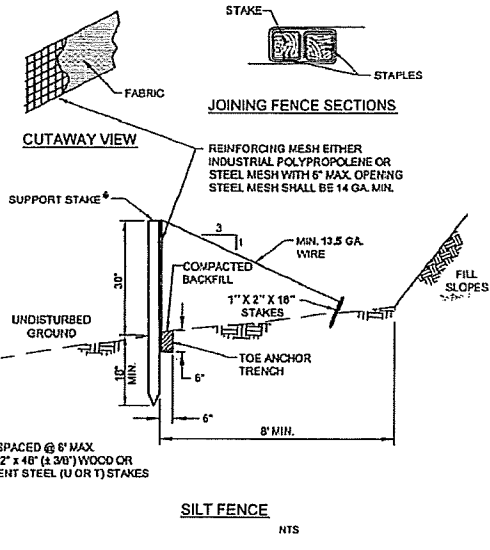
**14TH STREET MEDICAL
SITE GRADING PLAN
3707 14th STREET
LEWISTON, IDAHO**

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

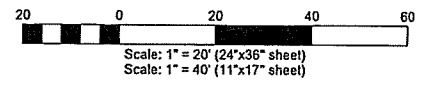
C4



*Install silt bags in existing and new catch basins. Leave in place until all construction activities have ceased.



- 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 DEVELOPER 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.



REVISION	DESCRIPTION	DATE	BY	CHECKED	APPROVED

ENGINEER LAND SURVEYOR
REGISTERED
#2102
J. S. HAMMOND
STATE OF IDAHO
9/14/15

SHEET SIZE	D	CHECKED BY	JSH	DATE	05-14-15	SHEET	C5	DRAWING #	1517-C5
SCALE	1"=20'	DRAWN BY	ME	DATE	05-14-15	SHEET	C5	DRAWING #	1517-C5

**14TH STREET MEDICAL
CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN
3707 14th STREET
LEWISTON, IDAHO**

HEDCO

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

SHEET **C5**

