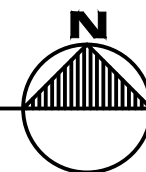




SCALE: 1" = 20'-0"

* REFER TO CIVIL FOR GRADES & DIMENSIONS



NOTE:

- ## INTERIOR LANDSCAPING

PERCENT OF INTERIOR LANDSCAPING REQ'D 5%

(2) 20 GAL. RECYCLING CONTAINERS

8'-0"

8'-0"

8'-0"

6'-0"

6'-0"

CONCRETE PAD
MIN 0'-5" SLAB W/ #3
BARS @ 18" O.C. E.W.

(2) 4 CU. YARD SITE CONTAINERS

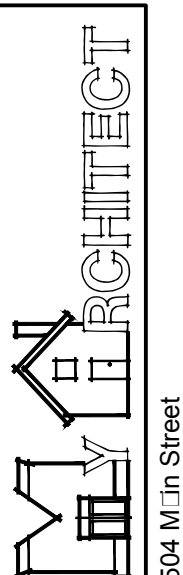
6'-0" HT. BLACK CHAIN LINK FENCING W/ BLACK SLATS (TYP.)

SCALE: 1/4" = 1'-0"

THE DRAWINGS ARE COPYRIGHTED AND NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE APPROVAL AND PARTICIPATION OF THE ARCHITECT

Revisions	
Δ CITY REVIEW	08/03/18
Δ ADDENDUM #1	08/17/18
Δ ADDENDUM #2	08/22/18
Δ ADDENDUM #3	08/23/18
Δ ADDENDUM #4	10/01/18
Δ ADDENDUM #5	10/01/18

LC Smiles Dental Clinic
for Dr. Bartschi
442 Bryden Ave, Lewiston, ID



Job Number: 17-060
Date: 08-08-2018

Sheet Contents:
LANDSCAPE & SITE PLAN

L1.1

BARTSCHI DENTAL OFFICE

SITE DEVELOPMENT

LEWISTON, ID 83501

SHEET INDEX	
NO.	DESCRIPTION
C1.0	COVER SHEET
C2.0	EROSION & SEDIMENT CONTROL PLAN
C2.1	EROSION & SEDIMENT CONTROL DETAILS
C3.0	EXISTING SITE & DEMOLITION PLAN
C4.0	SITE PLAN
C4.1	DETAILS
C4.2	DETAILS
C5.0	UTILITY PLAN
C5.1	UTILITY DETAILS
C6.0	GRADING & DRAINAGE PLAN
C6.1	GRADING & DRAINAGE DETAILS
11	TOTAL NUMBER OF SHEETS

GENERAL NOTES

- 1) THE CONTRACTOR SHALL INVESTIGATE ON SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS REQUIRING MODIFICATION PRIOR TO PROCEEDING.
- 2) THE CONTRACTOR SHALL COORDINATE THE WORK SCHEDULE SO AS TO HAVE A MINIMUM IMPACT ON THE EXISTING TRAFFIC.
- 3) SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS, AND INTERSECTIONS MUST BE MAINTAINED.
- 4) THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTATIVE MEASURES TO PROTECT THE EXISTING IMPROVEMENTS. ANY DAMAGE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 5) OWNER'S PROPERTY CORNERS SHALL BE PROTECTED AT ALL TIMES, AND THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF IDAHO TO REFERENCE ALL CORNERS. UPON COMPLETION OF THE PROJECT, ALL EXISTING CORNERS DAMAGED BY CONSTRUCTION SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 6) A RIGHT-OF-WAY PERMIT SHALL BE OBTAINED THROUGH THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY WORK BEGINNING WITHIN PUBLIC RIGHT-OF-WAY.
- 7) THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND FEES.
- 8) ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) EXCEPT AS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER. ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY OF LEWISTON ORDINANCES AND STANDARDS.
- 9) UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE ENGINEER OF RECORD.
- 10) THIS PROJECT SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF ALL WORK. ANY DEFECTS IN MATERIAL OR WORKMANSHIP WITHIN THIS PERIOD SHALL BE IMMEDIATELY CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.



VICINITY MAP

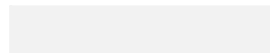
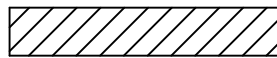
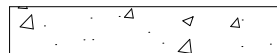
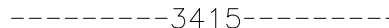
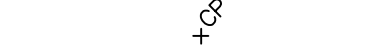
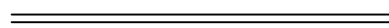
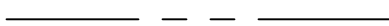
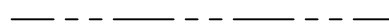
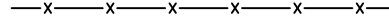
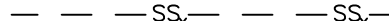
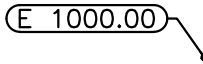
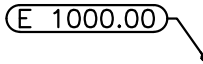
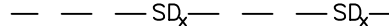
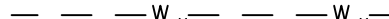
UTILITY LOCATION

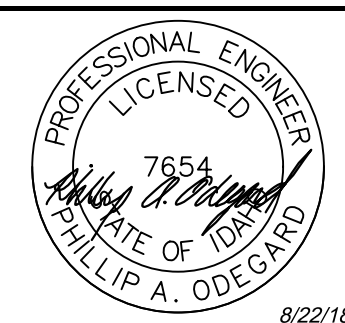
THE LOCATIONS OF UTILITIES REPRESENTED IN THIS DRAWING SET HAVE BEEN DETERMINED FROM A FIELD LOCATE AND FROM RECORDS OBTAINED FROM THE VARIOUS UTILITY COMPANIES. THE NUMBER AND LOCATIONS OF ALL UTILITIES SHOWN ARE BASED ON THE BEST EVIDENCE AVAILABLE AT THIS TIME BUT DUE TO INHERENT LIMITATIONS OF UNDERGROUND LOCATING AND LIMITED AS-BUILT DATA ALL UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FOR YOUR SAFETY, STATE LAW REQUIRES THAT YOU CALL THE LOCAL "ONE-CALL" UNDERGROUND UTILITY LOCATING CENTER AT LEAST TWO WORKING DAYS BEFORE BEGINNING ANY EXCAVATION:

1-800-424-5555 (or 811)

"CALL BEFORE YOU DIG"

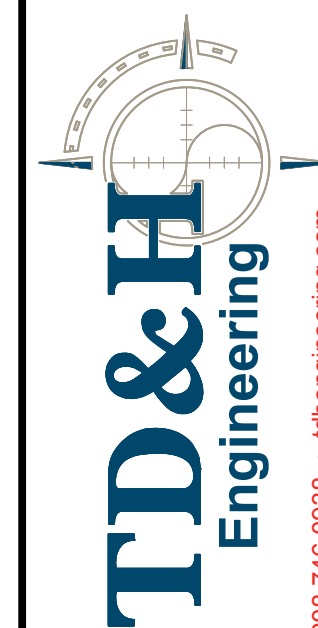
LEGEND

<u>NEW</u>	<u>EXISTING</u>	
		ASPHALT
		BUILDING
		BUSH OR SHRUB
		CONCRETE
		CONTOUR
		CONTROL POINT
		CURB & GUTTER
		EDGE OF ASPHALT
		ELECTRICAL BOX
		ELECTRICAL BOX FLUSH
		ELECTRIC - OVERHEAD
		ELECTRIC - UNDERGROUND
		FENCE - WIRE
		FIRE HYDRANT
		GAS
		GAS VALVE
		GATE
		LANDSCAPING
		POWER POLE
		PROPERTY LINE
		RIGHT-OF-WAY
		SANITARY SEWER
		SANITARY SEWER MANHOLE
		SPOT ELEVATIONS
		STORM DRAIN
		STORM DRAIN INLET
		STORM DRAIN MANHOLE
		TELEPHONE RISER
		TELEPHONE RISER FLUSH
		TELEPHONE - UNDERGROUND
		TREE - CONIFEROUS
		TREE - DECIDUOUS
		WATERLINE
		WATER VALVE



REVISION

REV	DATE
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DRAWN BY: BR
DESIGNED BY: JR/BI
QUALITY CHECK: PAC
DATE: 08/22/1
JOB NO. L18-03
FIELDBOOK

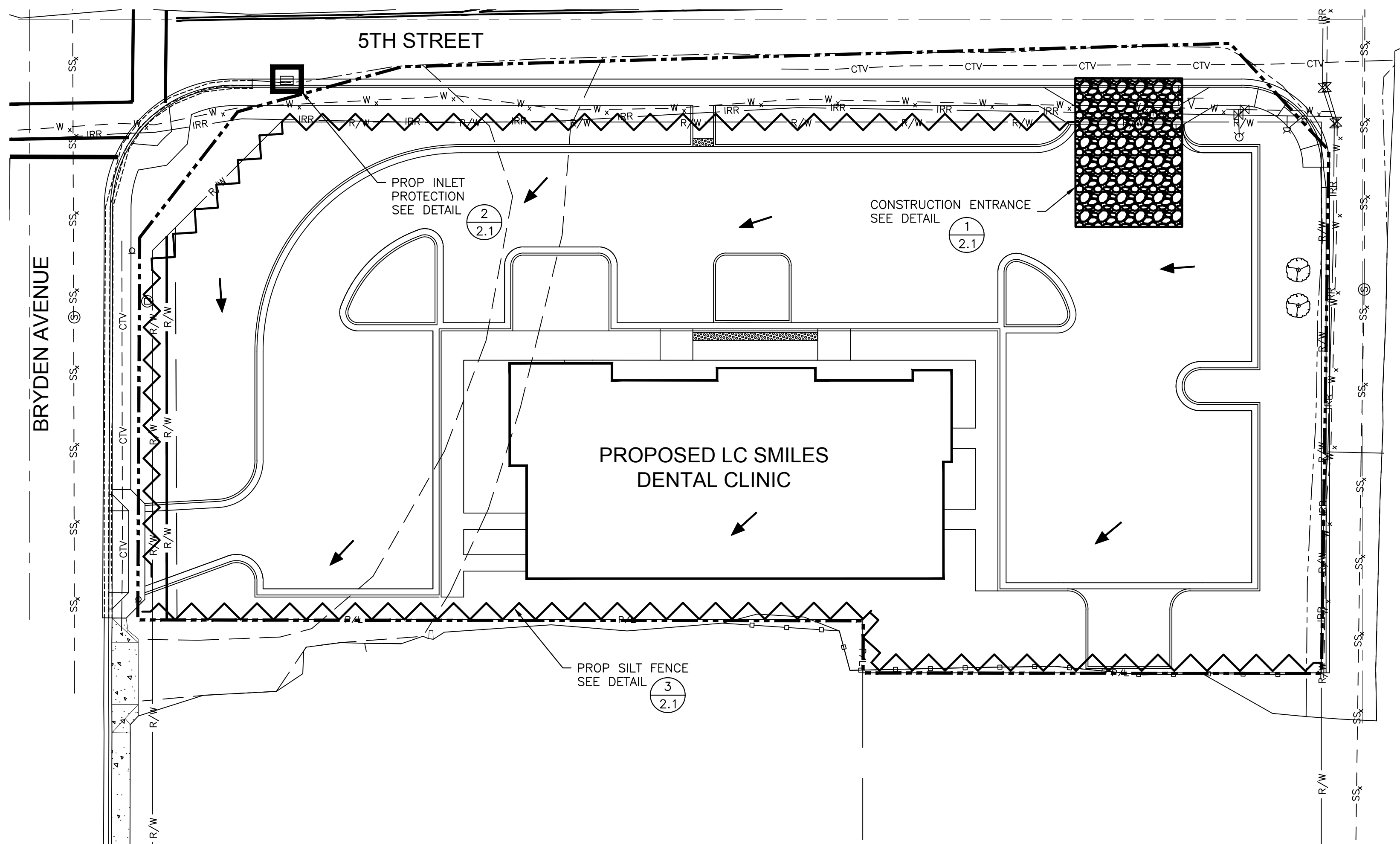
BARTSCHI DENTAL OFFICE
LEWISTON, IDAHO 83501

COVER SHEET

L18-032_C1.0-COVER.DWG

SHEET C1.0

10/02/2018



LEGEND

LIMITS OF DISTURBANCE

STABILIZED CONSTRUCTION AREA

STORMWATER FLOW DIRECTION

SILT FENCE

995 FINISHED GRADE CONTOUR

995 EXISTING CONTOUR

INLET PROTECTION

EROSION AND SEDIMENT CONTROL PLAN



GENERAL MAINTENANCE & GUIDELINES

- 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 SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE CONTRACTOR IS RESPONSIBLE FOR STREET CLEANUP AT THE END OF EACH SHIFT.
- IT IS IMPORTANT TO IMPLEMENT A THOROUGH MAINTENANCE PROGRAM BEFORE, DURING, AND AFTER DEVELOPMENT IS COMPLETED. INSPECT ALL BMPs AND ADDITIONAL SAFEGUARDS TO DETERMINE THAT THEY ARE WORKING PROPERLY AND TO ENSURE THAT PROBLEMS ARE CORRECTED AS SOON AS THEY DEVELOP. THE MAINTENANCE SCHEDULE SHOULD BE BASED ON SITE CONDITIONS, DESIGN SAFEGUARDS, CONSTRUCTION SEQUENCE, AND ANTICIPATED WEATHER CONDITIONS.
- INSPECTIONS SHOULD INCLUDE MATERIALS STORAGE AREAS, LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE, THE OPERATIONAL FUNCTIONALITY OF BMPs, AND EVIDENCE OF POLLUTANTS ENTERING THE DRAINAGE SYSTEM IN DISTURBED AREAS. AN INDIVIDUAL SHOULD BE ASSIGNED THE RESPONSIBILITY FOR ROUTINE CHECKS OF OPERATING PRACTICES. ALL TEMPORARY AND PERMANENT EROSION CONTROL BMPs SHOULD BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SPECIAL ATTENTION SHOULD BE PAID TO CONTROLS AFTER STORM EVENTS TO ENSURE THEY ARE FUNCTIONING PROPERLY.
- AREAS TO HAVE PERMANENT SEEDING SHALL BE GRADED WITHIN A MINIMUM OF SIX INCHES OF TOPSOIL.

UTILITY LOCATION

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"CALL BEFORE YOU DIG"

POLLUTION CONTROL

EROSION & SEDIMENT CONTROL NOTES:

POLLUTION CONTROL MEASURES: POLLUTION CONTROL MEASURES WILL BE ESTABLISHED AND SET IN PLACE PRIOR TO BEGINNING PROJECT CONSTRUCTION AND WILL BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT CONSTRUCTION TIME PERIOD. THE PROPOSED POLLUTION CONTROL MEASURES ARE BASED ON IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY BEST MANAGEMENT PRACTICES (BMP'S) AND ARE LISTED AS FOLLOWS:

STAGING AREAS: THIS BMP INCLUDES MEASURES FOR COLLECTING RUNOFF FROM A STAGING AREA, MATERIALS STORAGE SITE, OR INDUSTRIAL ACTIVITY AREA OR FOR DIVERTING WATER FLOW AWAY FROM SUCH AREAS SO THAT POLLUTANTS DO NOT MIX WITH CLEAN STORMWATER RUNOFF. SEVERAL OPTIONS ARE AVAILABLE:

STORMWATER CONVEYANCES: THIS TERM INCLUDES MANY KINDS OF CHANNELS, GUTTERS, DRAINS, AND SEWERS.

SPILL PREVENTION AND CONTROL: THIS DESCRIBES METHODS OF MINIMIZING EXPOSURE OF POLLUTANTS TO STORM WATER RUNOFF BY ENCLOSING ANY DRIPS, OVERFLOWS, LEAKS, AND OTHER LIQUID MATERIAL RELEASES OR BY ISOLATING POLLUTANT SPILLS FROM STORMWATER RUNOFF. THREE POSSIBLE OPTIONS ARE DISCUSSED BELOW:

CONTAINMENT DIKING: TEMPORARY OR PERMANENT EARTH BERMS, CONCRETE BERMS, OR RETAINING WALLS DESIGNED TO HOLD SPILLS.

CURBING: LIKE CONTAINMENT DIKING, CURBING IS A BARRIER THAT SURROUNDS AN AREA OF CONCERN.

DRIP PANS: PANS USED TO CONTAIN VERY SMALL VOLUMES OF LEAKS, DRIPS, AND SPILLS.

SOIL STABILIZATION PRACTICES

INTERIM AND PERMANENT STABILIZATION PRACTICES: INTERIM STABILIZATION CONTROL PRACTICES WILL BE ESTABLISHED AND SET IN PLACE PRIOR TO BEGINNING PROJECT CONSTRUCTION AND WILL BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT CONSTRUCTION TIME PERIOD. PERMANENT STABILIZATION PRACTICES SHALL BE CONSTRUCTED AT THE EARLIEST POSSIBLE TIME IN THE SEQUENCE OF PROJECT CONSTRUCTION ACTIVITIES. THE PROPOSED INTERIM AND PERMANENT STABILIZATION PRACTICES ARE BASED ON IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY BMP AND ARE LISTED AS FOLLOWS:

TIMING OF CONSTRUCTION: SCHEDULE AND SEQUENCE CONSTRUCTION WORK AND EROSION CONTROL APPLICATIONS SO THAT THEY OCCUR UNDER OPTIMAL CONDITIONS--THAT IS, DURING PERIODS WHEN THE POTENTIAL FOR EROSION IS LOWEST.

PRESERVATION OF EXISTING VEGETATION: PROTECT EXISTING VEGETATION (INCLUDING TREES, GRASSES, AND OTHER PLANTS) BY PREVENTING DISTURBANCE OR DAMAGE TO SPECIFIED AREAS OF A CONSTRUCTION SITE OR RIGHT-OF-WAY.

CLEARING LIMITS: MINIMIZE THE TOTAL AMOUNT OF BARE SOIL EXPOSED TO EROSION FORCES BY (1) CONTROLLING THE AMOUNT OF GROUND THAT IS CLEARED AND GRUBBED AT ONE TIME IN PREPARATION FOR CONSTRUCTION, AND (2) LIMITING THE AMOUNT OF TIME THAT BARE GROUND MAY REMAIN EXPOSED BEFORE SLOPE PROTECTION OR STABILIZATION MEASURES ARE PUT INTO PLACE.

STABILIZATION OF CONSTRUCTION ENTRANCE ROADS: A TEMPORARY SEDIMENT REMOVAL DEVICE--NORMALLY A PAD OF CRUSHED ROCK OR STONE--CAN BE INSTALLED AT THE APPROACH FROM A CONSTRUCTION SITE TO A PUBLIC ROADWAY, TO STABILIZE THE ROAD.

DUST CONTROL: THIS DESCRIBES PRODUCTS OR MEASURES USED FOR REDUCING OR PREVENTING WIND EROSION BY PROTECTING THE SOIL SURFACE, ROUGHENING THE SURFACE REDUCING THE SURFACE WIND VELOCITY. SEVERAL DUST CONTROL TREATMENTS ARE DESCRIBED BELOW. OTHER METHODS ARE ALSO AVAILABLE.

VEGETATIVE COVER: FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.

MULCH (INCLUDING GRAVEL MULCH): WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST.

SPRINKLING: THE SITE MAY BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. SPRINKLING IS ESPECIALLY EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES.

STONE: STONE OR GRAVEL USED TO STABILIZE CONSTRUCTION ROADS AND DISTURBED SOILS CAN ALSO BE EFFECTIVE FOR DUST CONTROL AND REDUCE SOIL LOSSES FROM THOSE AREAS BY UP TO 80 PERCENT.

SURFACE ROUGHENING: TILLING OR DISCING THE SURFACE OF DISTURBED SOILS TO PRODUCE A ROUGH SURFACE OR RIDGES WHICH WHEN PERPENDICULAR TO PREVAILING WINDS CAN REDUCE SOIL LOSSES DUE TO WIND BY 80 PERCENT.

BARRIERS: A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AND BLOWING SOIL.

SEEDING: PERMANENT SEEDING MEANS GROWING A LONG-TERM OR PERMANENT VEGETATIVE COVER (PLANTS) ON DISTURBED AREAS OR AREAS THAT NEED ASSISTANCE IN REVEGETATION.

PERMANENT STORM WATER SYSTEM: THE NEW CONSTRUCTION SITE WILL INCLUDE NEW PERMANENT CURB, GUTTER AND STORMWATER PIPING FOR COLLECTION AND CONVEYANCE OF ALL STORMWATER RUNOFF TO EXISTING STORMWATER SYSTEMS.

PROFESSIONAL ENGINEER
LICENSED
7654
Phillip A. Odegard
STATE OF IDAHO
8/22/18

REVISION

DATE

REV

TD&H
Engineering
208.746.0938 • tdhengineering.com
210 MAIN ST. • LEWISTON, IDAHO 83501

DRAWN BY: BRL
DESIGNED BY: BRL
QUALITY CHECK: PAO
DATE: 8/22/18
JOB NO. L18-032
FIELDBOOK

LC SMILES DENTAL CLINIC SITE DEVELOPMENT
LEWISTON, ID

EROSION & SEDIMENT CONTROL PLAN

L18-032_C2.0 ESCP.DWG
SHEET C2.0

10/02/2018



LC SMILES DENTAL CLINIC SITE DEVELOPMENT
LEWISTON, ID

EROSION & SEDIMENT CONTROL DETAILS

NOTES:

1. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
2. THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.

NOTES:

1. INSTALL THE ENDS OF THE SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS THE PROJECT ENGINEER APPROVES THE INSTALLATION.
3. INSTALL SILT FENCING PARALLEL TO MAPPED CONTOUR LINES.
4. DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

SEE NOTE 1



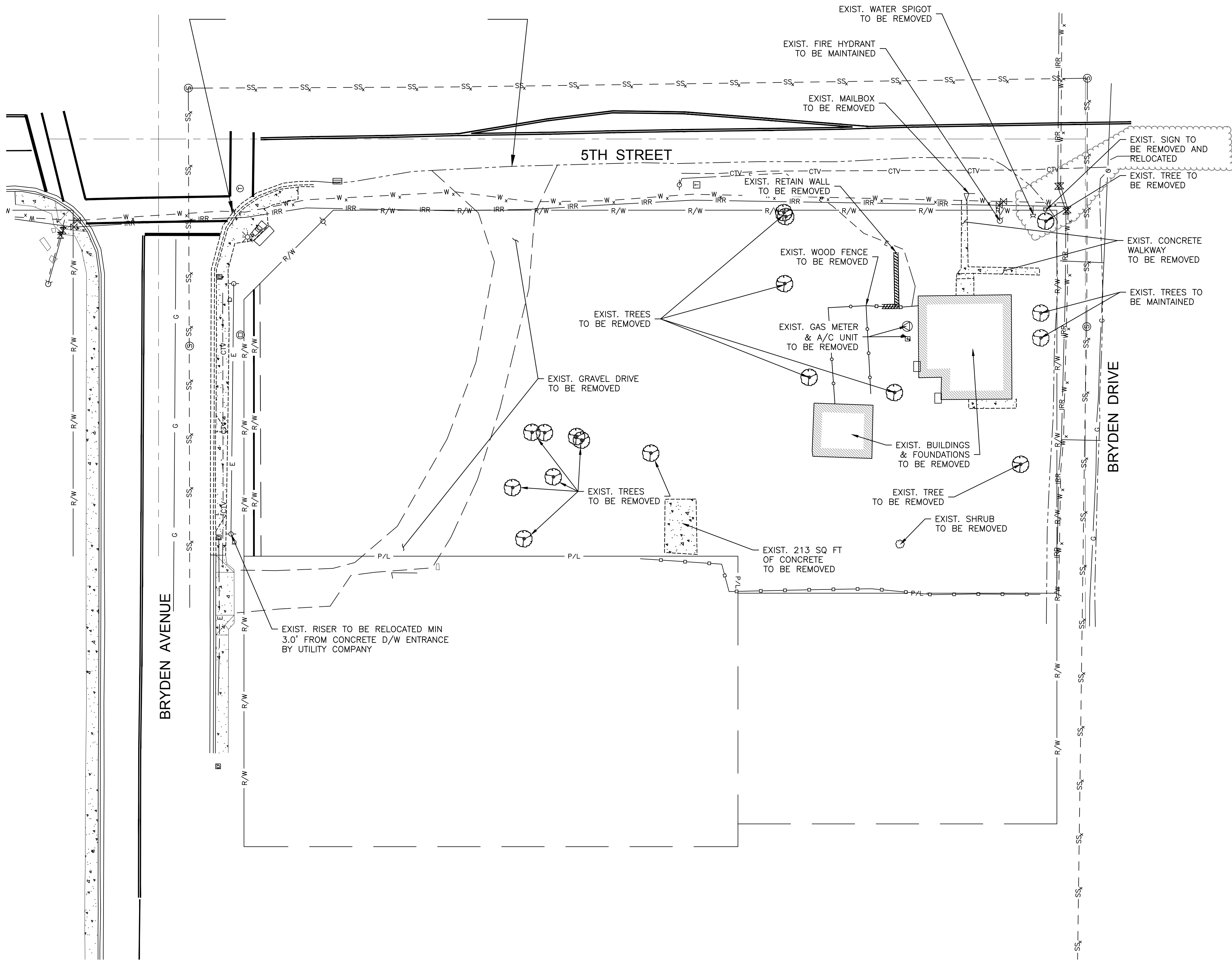
POST ~ WOOD OR STEEL (TYPICAL)

FASTEN TO POST EVERY 6" O.C.

FABRIC (GEOTEXTILE) (TYPICAL)

SPliced FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPlice DETAIL
(WOOD POSTS SHOWN)



UTILITY LOCATION

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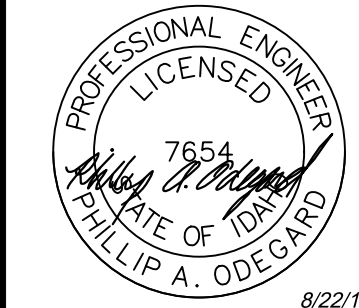
"CALL BEFORE YOU DIG"

EXISTING SITE & DEMOLITION PLAN



LEGEND

	ELECTRICAL BOX
	ELECTRICAL BOX (FLUSH)
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
	SHRUB
	STORM DRAIN INLET
	STORM DRAIN MANHOLE
	STREET LIGHT
	SURVEY CONTROL POINT
	TELEPHONE RISER
	TRAFFIC SIGN
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	UTILITY POLE
	VALVE (GAS OR WATER)
	WATER METER
	BUILDING
	ASPHALT (EDGE OF)]
	CABLE TV - UNDERGROUND
	CONCRETE SIDEWALK/PAD
	CONTOUR - 5' INTERVAL
	CONTOUR - 1' INTERVAL
	CURB & GUTTER
	ELECTRIC LINE - OVERHEAD
	ELECTRIC LINE - UNDERGROUND
	FENCE - WIRE
	FENCE - WOOD
	GAS LINE
	GRAVEL (EDGE OF)
	IRRIGATION LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	TELEPHONE LINE - UNDERGROUND
	WATER LINE



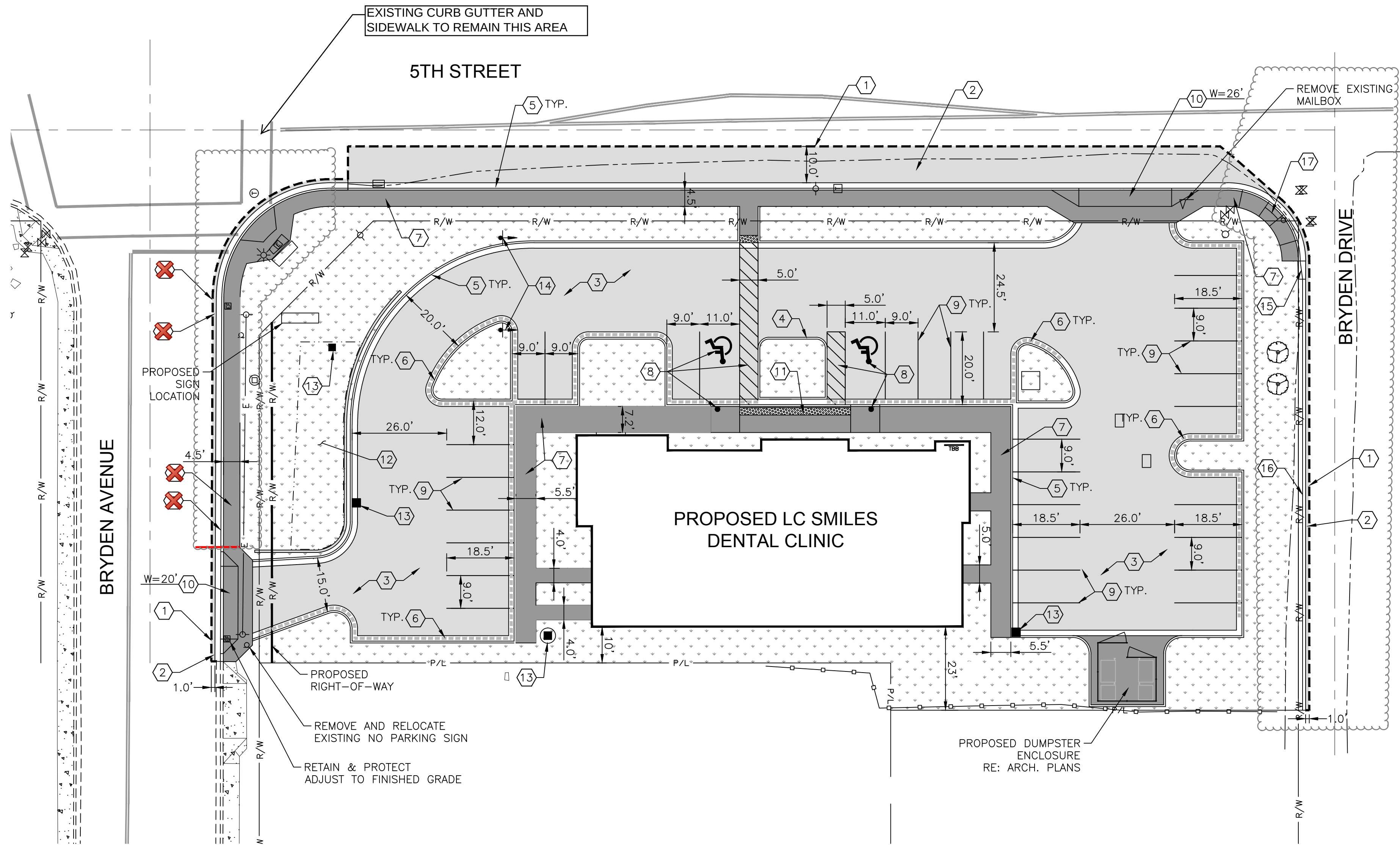
REVISION	DATE	REV



DRAWN BY:	BRL
DESIGNED BY:	BRL
QUALITY CHECK:	PAO
DATE:	08/22/18
JOB NO.	L18-032
FIELDBOOK	

LC SMILES DENTAL CLINIC SITE DEVELOPMENT
LEWISTON, ID

EXISTING SITE & DEMOLITION PLAN



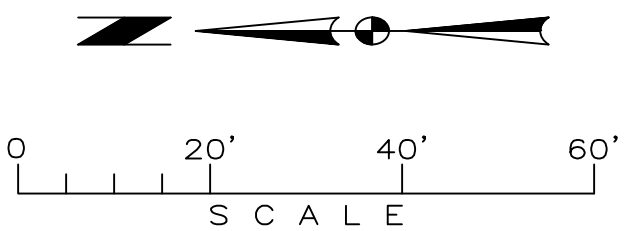
CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ACP. CONTRACTOR TO PROVIDE CLEAN EDGE AT SAWCUT LINE.
- 2 ASPHALT PAVEMENT PATCHBACK AND PAVEMENT REPAIR. SEE DETAIL 3, SHEET C4.2.
- 3 ASPHALT PAVEMENT. 2" HMA ON 6" CSTC. SEE DETAIL 4, SHEET C4.2.
- 4 CEMENT CONCRETE TRAFFIC CURB, TYPE A. SEE DETAIL 5, SHEET C4.2.
- 5 HIGH BACK CURB AND GUTTER. SEE DETAIL 6, SHEET C4.2.
- 6 HIGH BACK SPILL CURB AND GUTTER.
- 7 CONCRETE SIDEWALK. WIDTH PER PLAN. SEE DETAIL 1, SHEET C4.2.
- 8 ADA PARKING AND SIGNAGE. SEE DETAILS 1 AND 2, SHEET C4.1
- 9 SOLID 4" WIDE PAINTED PARKING STALL LINE. COLOR PER CITY OF LEWISTON STANDARDS.
- 10 CONCRETE DRIVEWAY APPROACH WITH JOGGED SIDEWALK PER CITY OF LEWISTON STD DWG 2-18.
- 11 PARALLEL PEDESTRIAN RAMP. SEE DETAIL 4, SHEET C4.1.
- 12 STORM WATER DETENTION POND. SEE SHEET C6.0.
- 13 STORM WATER STRUCTURE. SEE SHEET C6.0.
- 14 DO NOT ENTER / WRONG WAY SIGN (MUTCD R5-1 & R5-1a).
- 15 5 FOOT TRANSITION FROM HIGH BACK CURB AND GUTTER TO ROLLED CURB AND GUTTER.
- 16 ROLLED CURB AND GUTTER PER CITY OF LEWISTON STD DWG 2-7.
- 17 SIDEWALK RAMP TYPE 2 PER CITY OF LEWISTON STD DWG 2-12.

DESIGN NOTE:
FRONTAGE IMPROVEMENTS ALONG 5TH STREET AND BRYDEN AVENUE WILL BE REFINED AND REVISED UPON COMPLETION OF THE INTERSECTION DESIGN FOR THE CITY OF LEWISTON.

NUMBER OF PARKING STALLS

	STANDARD STALLS	ADA STALLS	TOTAL STALLS
PROPOSED	32	2	34



UTILITY LOCATION

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"CALL BEFORE YOU DIG"

PROFESSIONAL ENGINEER
LICENSED
7654
PHILLIP A. ODEGAARD
STATE OF IDAHO
8/22/18

REVISION

REV

DATE

210 MAIN ST. • LEWISTON, IDAHO 83501

208.746.0938 • tdandhengineering.com

TD&H
Engineering

DRAWN BY: JCR
DESIGNED BY: BLJR
QUALITY CHECK: PAO
DATE: 08/22/18
JOB NO. L18-032
FIELDBOOK

BARTSCHI DENTAL OFFICE
LEWISTON, IDAHO 83501

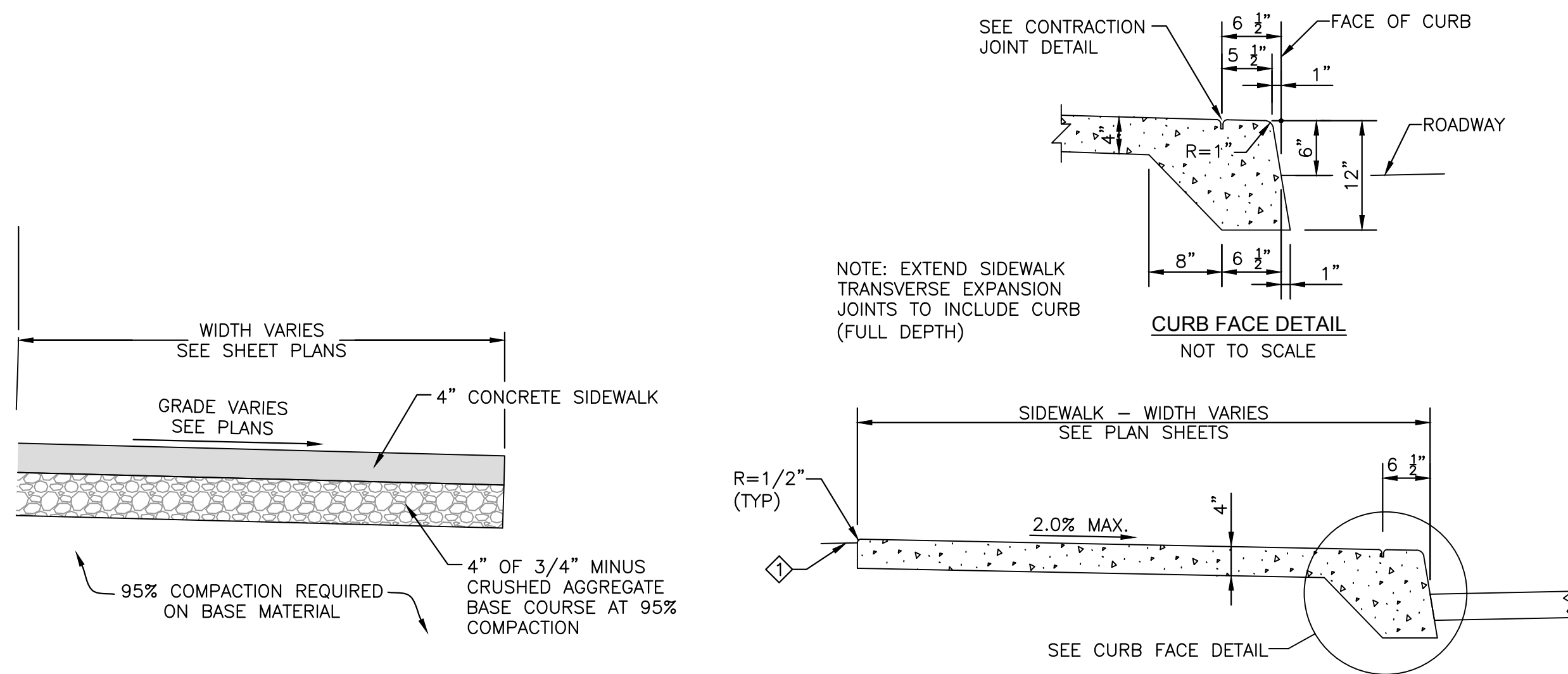
SITE PLAN

L18-032_C4.0 SITE.DWG

SHEET C4.0

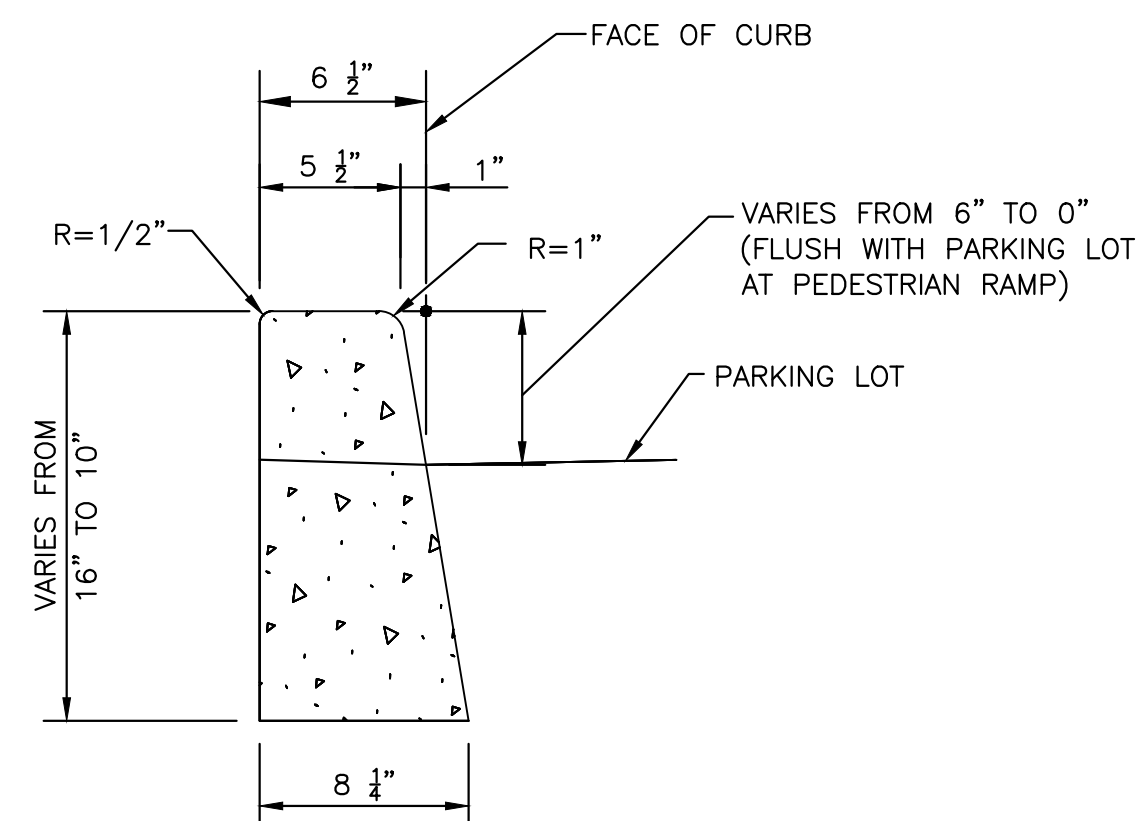
10/02/2018



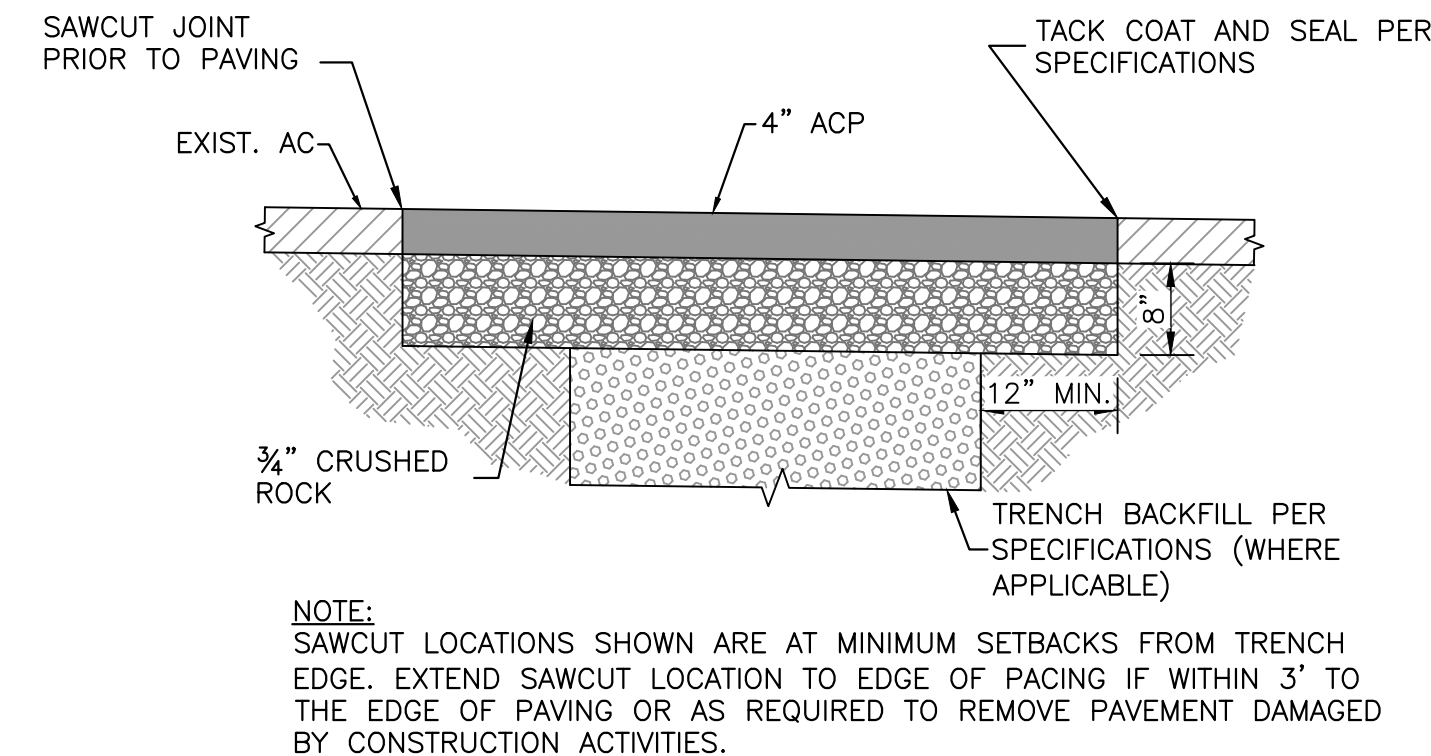


STANDARD SIDEWALK

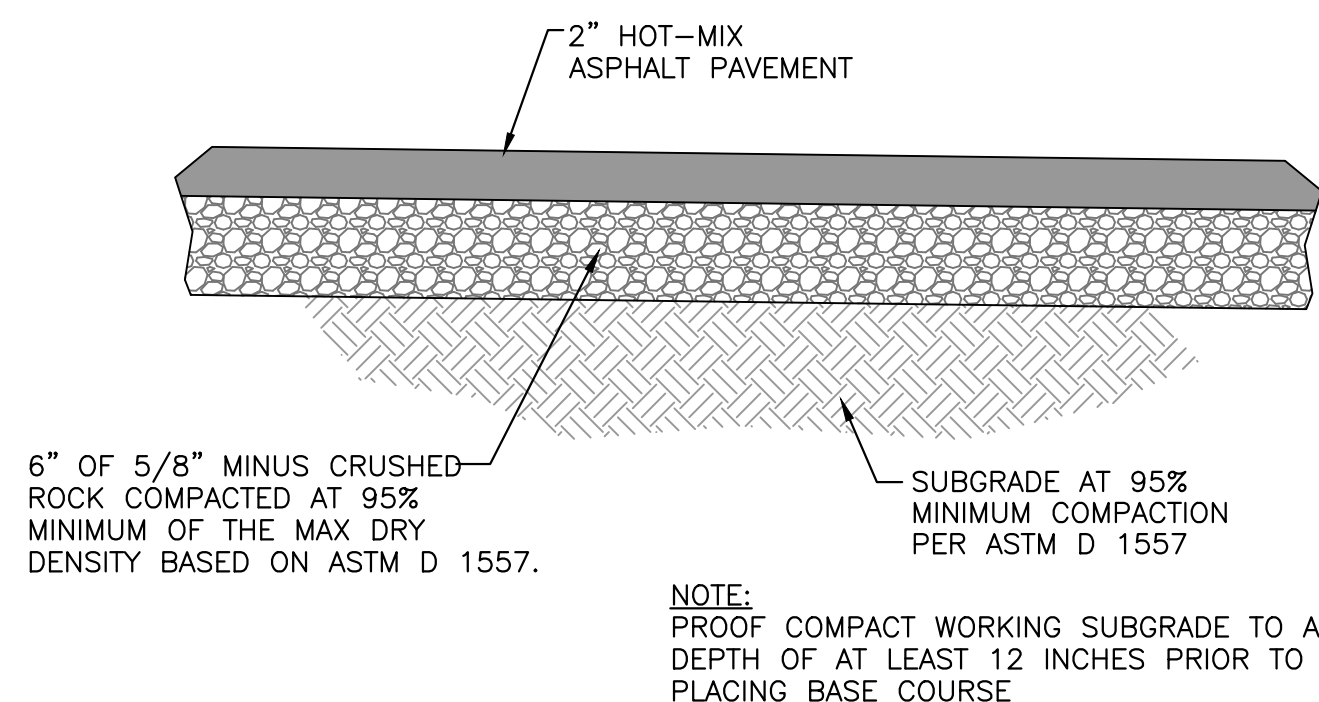
CONCRETE SIDEWALK DETAIL 1



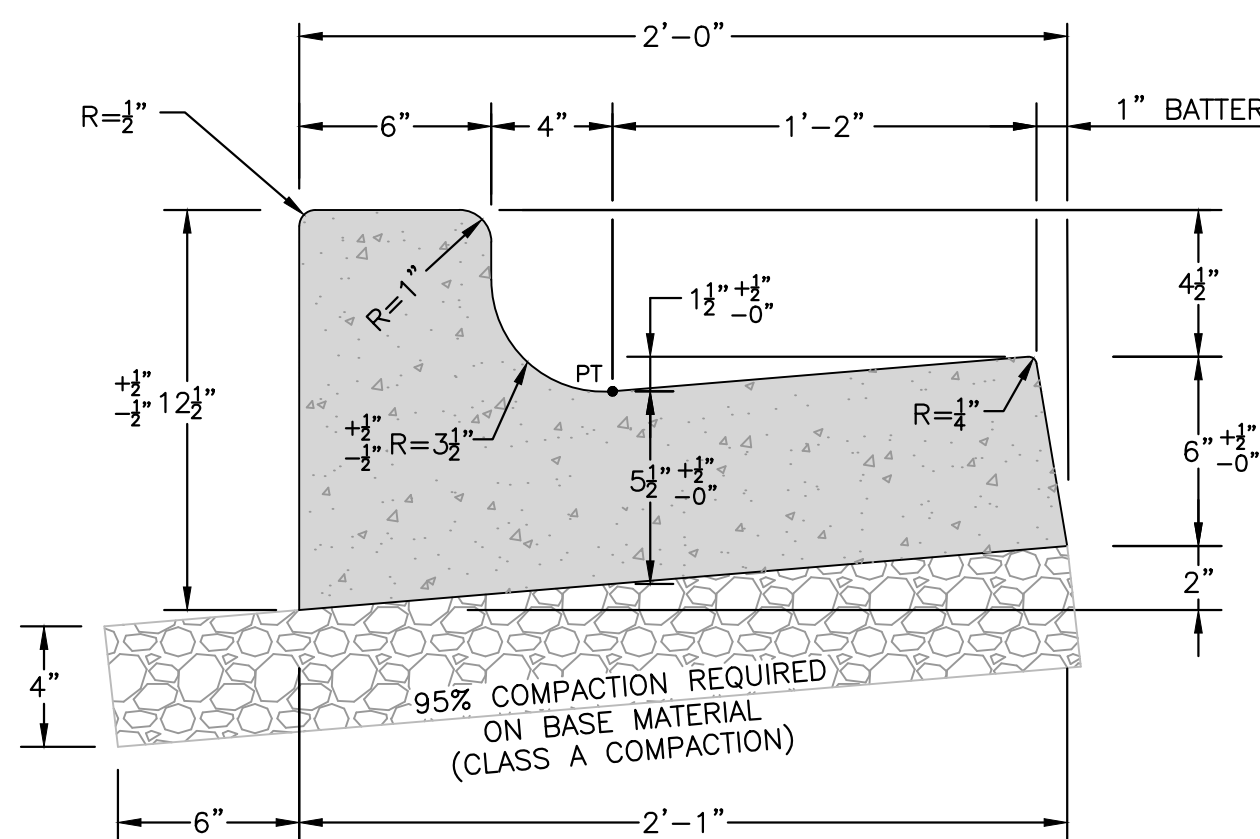
DEPRESSED CURB DETAIL 2



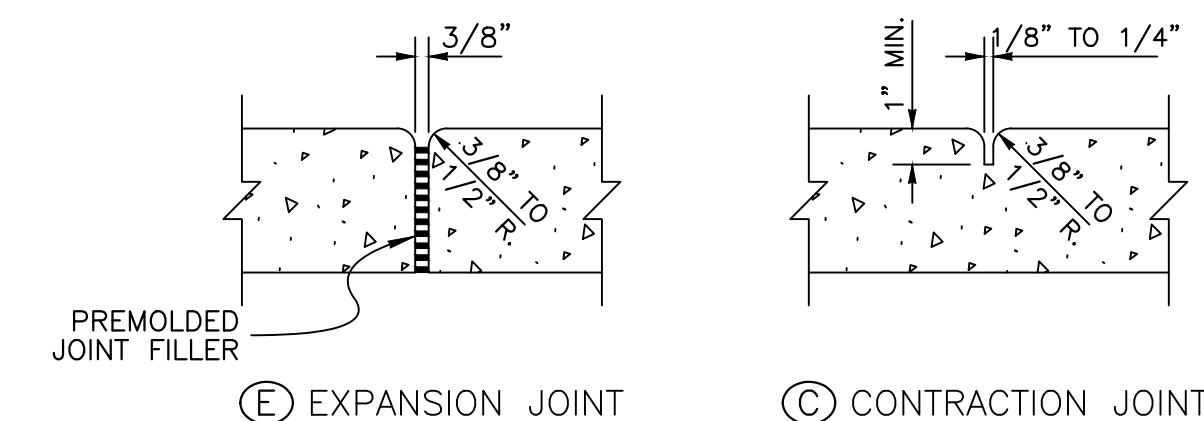
ASPHALT PAVEMENT PATCHBACK & STREET REPAIR DETAIL 3



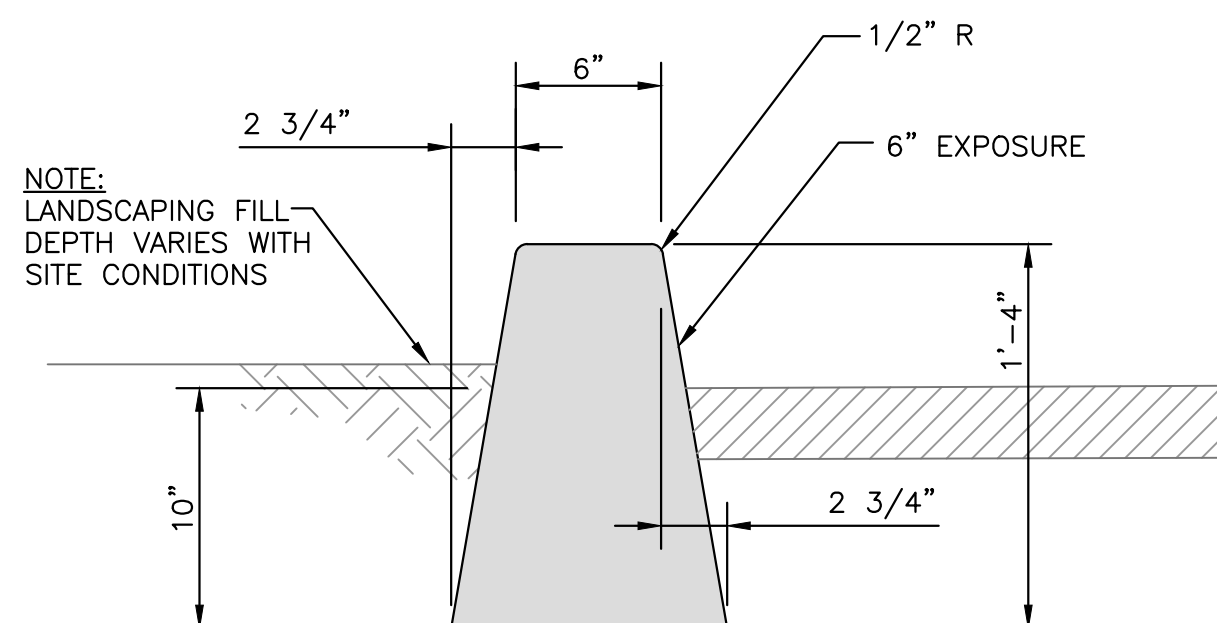
ASPHALT PAVEMENT SECTION 4



CATCH CURB



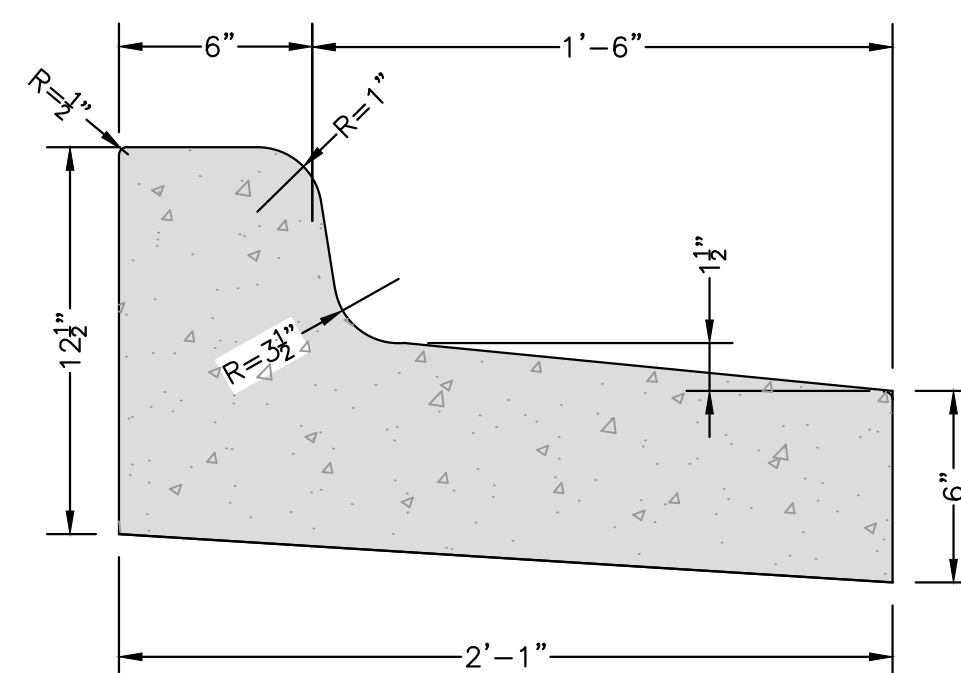
EXPANSION AND CONTRACTION JOINT 7



CURB NOTES:

1. THE TOLERANCE FOR FINISHED CURB - MAX. VARIATION OF SURFACE FLATNESS: 1/4 INCH IN 10 FEET MAX. VARIATION FROM TRUE POSITION (DESIGN GRADE): 1/2 INCH
2. BASE MATERIAL SHALL BE 4" OF 3/4 INCH MINUS CRUSHED AGGREGATE VASE 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.
3. 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.
4. DUMMY JOINTS AT 10 FOOT INTERVALS AND AT CURB RADII, 3/4" TO 1" DIFFERENTIAL ELEVATION BETWEEN ADJACENT SECTIONS SHALL NOT EXCEED 1/4".

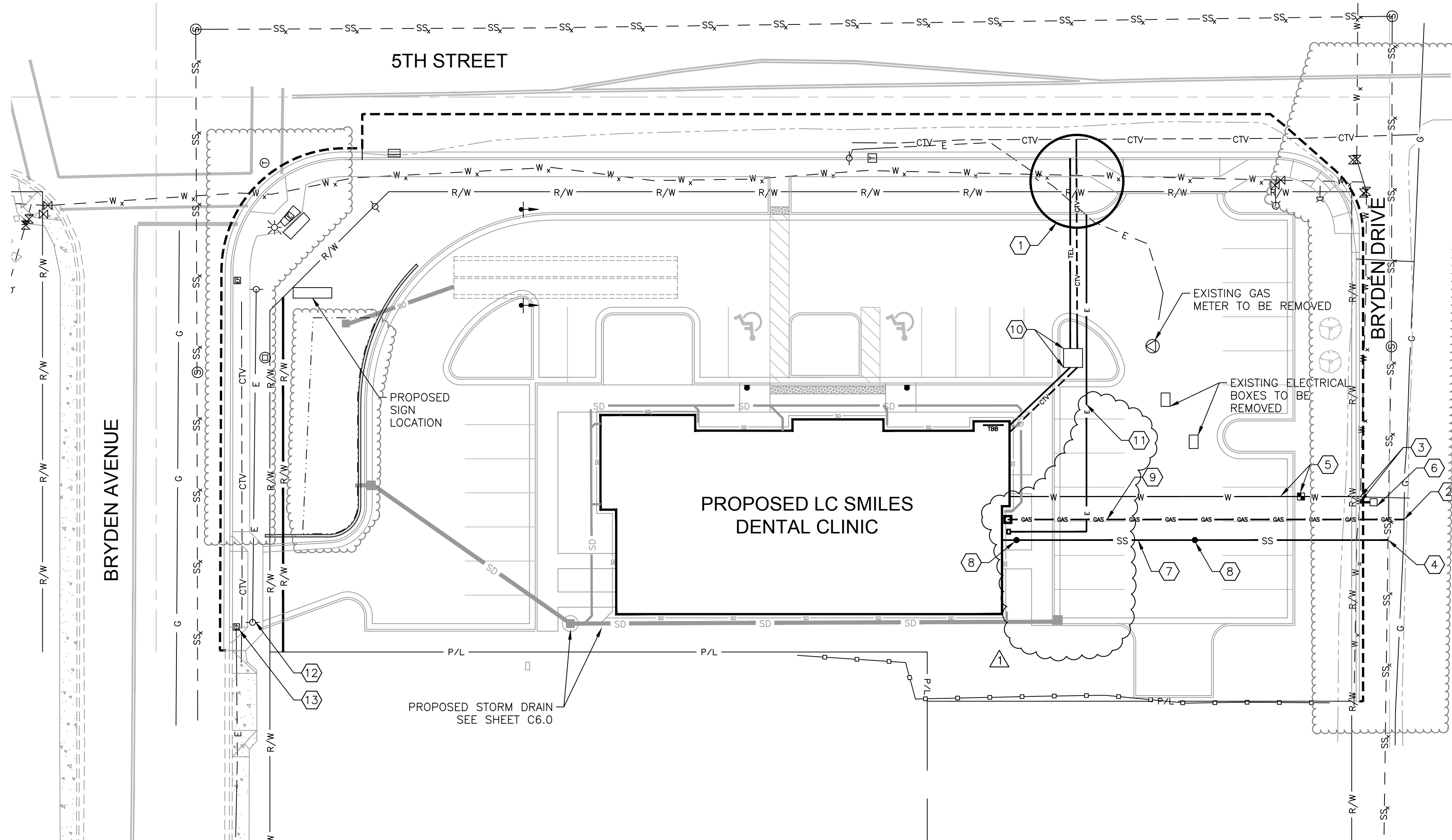
STRAIGHT CURB DETAIL 5



NOTE: BASE MATERIAL REQUIREMENTS SAME AS CATCH CURB.

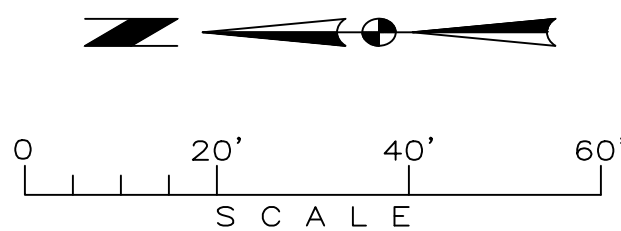
SPILL CURB

HIGH BACK CURB & GUTTER DETAIL 6



CONSTRUCTION NOTES

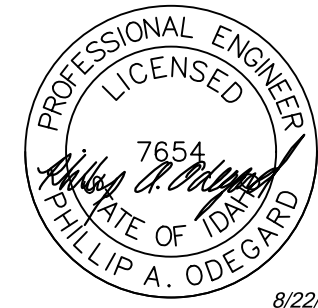
- 1 APPROXIMATE LOCATION FOR CONNECTION OF ELECTRICAL, TELEPHONE AND CABLE UTILITIES. CONTRACTOR SHALL COORDINATE CONNECTIONS WITH APPROPRIATE UTILITY AGENCY PRIOR TO CONSTRUCTION.
- 2 CONNECT TO EXISTING GAS MAIN. CONTRACTOR SHALL COORDINATE CONNECTIONS WITH APPROPRIATE UTILITY AGENCY PRIOR TO CONSTRUCTION.
- 3 CONNECT TO EXISTING WATER MAIN. CONTRACTOR SHALL COORDINATE CONNECTIONS WITH LEWISTON ORCHARDS IRRIGATION DISTRICT PRIOR TO CONSTRUCTION.
- 4 CONNECT TO EXISTING SEWER MAIN. SEE DETAIL 2, SHEET C5.1. CONTRACTOR SHALL COORDINATE CONNECTIONS WITH CITY OF LEWISTON PRIOR TO CONSTRUCTION.
- 5 1-1/2" WATER SERVICE PIPE WITH 1" METER PER LEWISTON ORCHARDS IRRIGATION DISTRICT STANDARD SPECIFICATIONS. SEE DETAIL 1, SHEET C5.1.
- 6 PROPOSED IRRIGATION BOX.
- 7 4" PVC SANITARY SEWER SERVICE PIPE. SLOPE AT 0.0200 FT/FT MINIMUM. LENGTH = 102 L.F.±.
- 8 4" SANITARY SEWER CLEANOUT. SEE DETAIL 4, SHEET C5.1.
- 9 1" GAS SERVICE PIPE TO METER. COORDINATE WITH MECHANICAL PLANS.
- 10 PROPOSED UTILITY BOX, TELEPHONE AND CABLE SERVICE CONDUIT. COORDINATE WITH ELECTRICAL PLANS.
- 11 ~~PROPOSED PAD MOUNTED TRANSFORMER AND ELECTRICAL SERVICE CONDUIT. COORDINATE WITH ELECTRICAL PLANS.~~
- 12 EXISTING UTILITY POLE TO BE RELOCATED. CONTRACTOR SHALL COORDINATE RELOCATION WITH APPROPRIATE UTILITY AGENCY PRIOR TO CONSTRUCTION.
- 13 ADJUST EXISTING ELECTRICAL BOX LID TO FINISHED GRADE.



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REV	DATE	REVISION
10/1/18		REMOVED TRANSFORMER AND REROUTED ELECTRICAL SERVICE



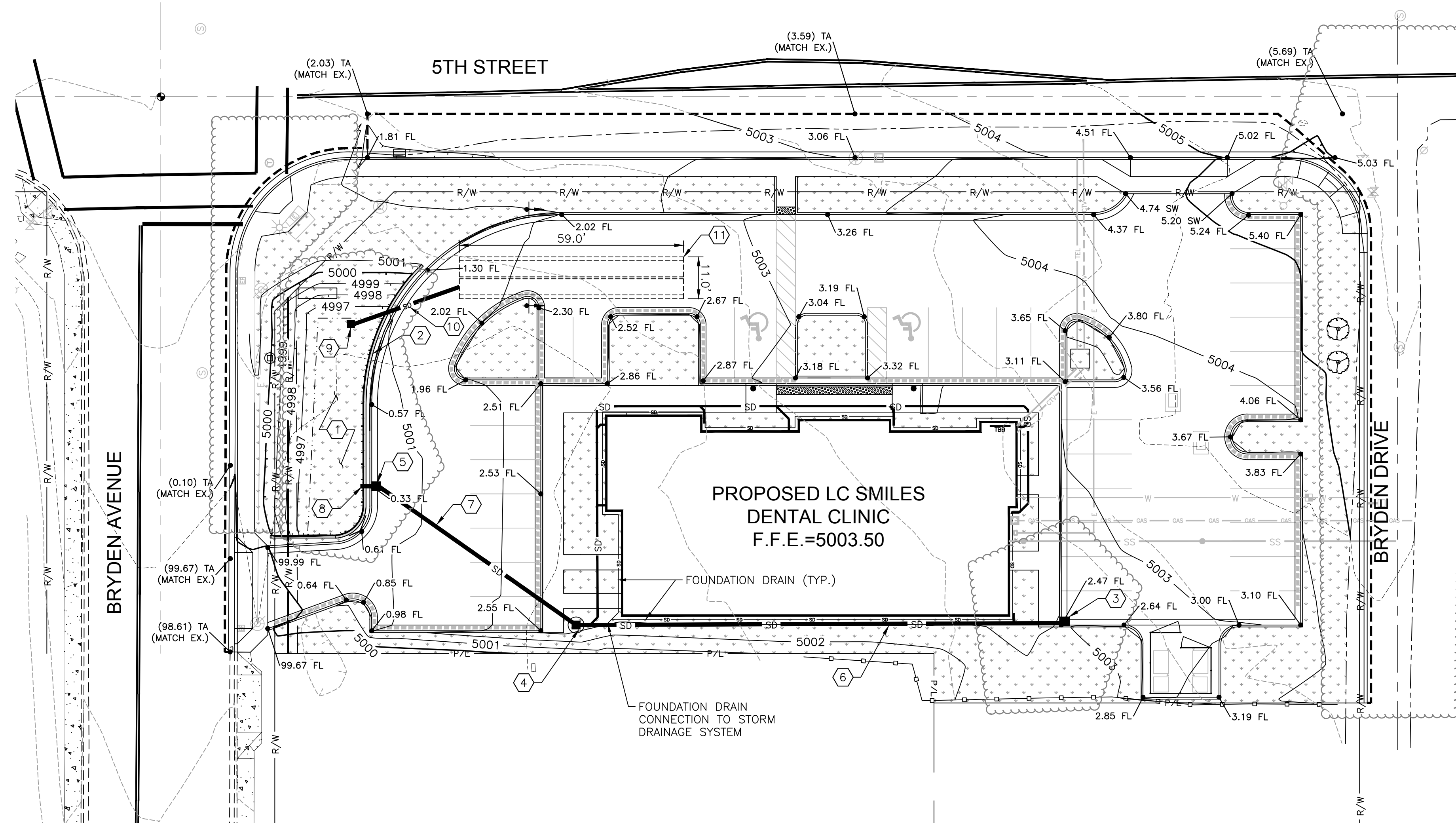
DRAWN BY: JCR
DESIGNED BY: BLJR
QUALITY CHECK: PAO
DATE: 08/22/18
JOB NO. L18-032
FIELDBOOK

BARTSCHI DENTAL OFFICE
LEWISTON, IDAHO 83501

UTILITY PLAN

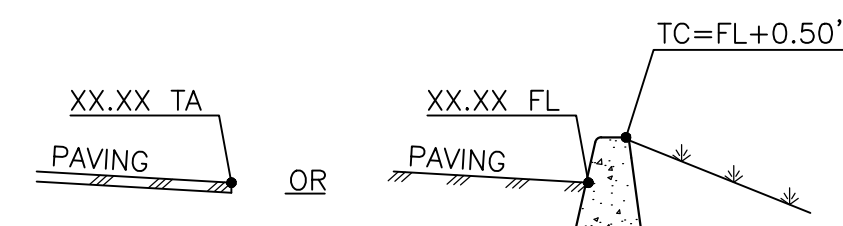
L18-032_C5.0 UTILITY.DWG
SHEET C5.0

10/02/2018



CONSTRUCTION NOTES

- 1 STORMWATER DETENTION POND. POND BOTTOM ELEVATION = 4996.00.
- 2 MODULAR BLOCK RETAINING WALL. TOP OF WALL ELEVATION = 5001.00
- 3 TYPE 1 CATCH BASIN PER CITY OF LEWISTON STD DWG 6-8.
RIM ELEV=5002.47
IE(OUT)=4999.47
- 4 TYPE 1A SHALLOW MANHOLE PER CITY OF LEWISTON STD DWG 6-3.
RIM ELEV=5003.23
IE(E)=4998.19
IE(W)=4997.89
- 5 TYPE 1 CATCH BASIN PER CITY OF LEWISTON STD DWG 6-8.
RIM ELEV=5000.33
IE(E)=4996.13
IE(W)=4996.03
- 6 APPROX. 127.5 L.F. OF 12" PVC STORM PIPE. SLOPE=0.0100 FT/FT.
- 7 APPROX 63 L.F. OF 12" PVC STORM PIPE. SLOPE=0.0278 FT/FT.
- 8 APPROX. 3 L.F. OF 12" PVC STORM PIPE. IE(E)=4996.03, IE(N)=4996.00.
SLOPE=0.0100 FT/FT.
- 9 OUTLET STRUCTURE. RIM ELEV=4996.50.
- 10 APPROX. 30 L.F. OF 12" PVC STORM PIPE. SLOPE=0.0100 FT/FT.
- 11 STORMTECH TYPE SC-740 STORMWATER STORAGE CHAMBERS. INSTALLATION PER MANUFACTURER'S REQUIREMENTS.



FL+0.12'=LIP (CATCH CURB)
FL-0.12'=LIP (SPILL CURB)

OR

SPOT ELEVATION ABBREVIATIONS
TA = TOP OF ASPHALT
TC = TOP OF CURB
CONC = CONCRETE
SW = SIDEWALK
FL = FLOWLINE

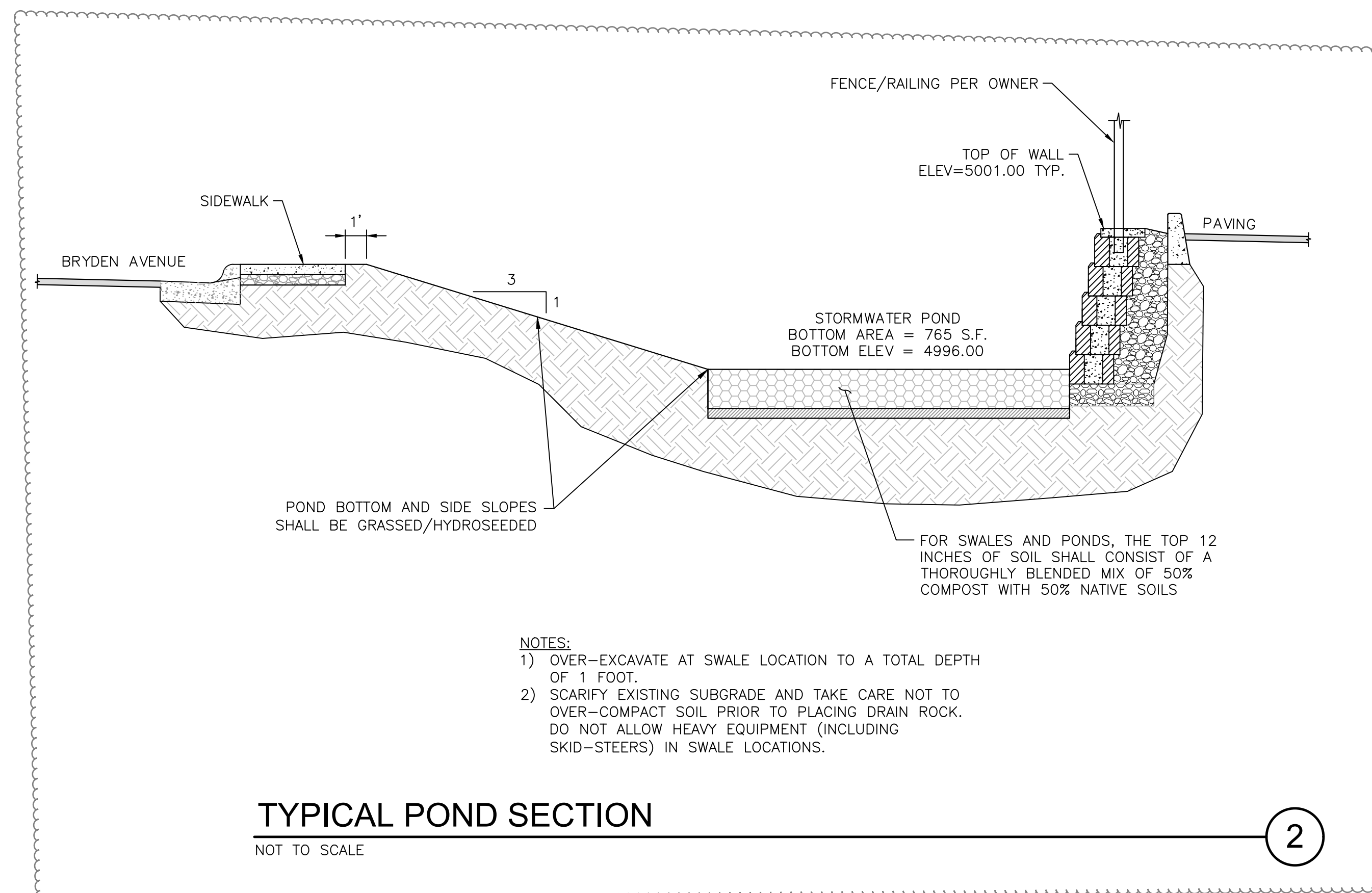
NOTES:

1. ALL SPOT ELEVATIONS SHOWN REFERENCE A BASE ELEVATION OF 5000.00.
(EXAMPLE: FL 1.50 = ELEVATION OF 5001.50
FL 98.50 = ELEVATION OF 4998.50)
2. SPOT ELEVATIONS SHOWN AS (XX.XX) DENOTE EXISTING GROUND ELEVATION.
3. TOP OF CURB = TOP OF PAVT + 0.50' UNLESS NOTED OTHERWISE.
4. (MATCH EX.) = NEW PAVT ELEV TO MATCH EXIST ELEV @ SPOT LOCATION INDICATED.

SPOT ELEVATION DETAIL

NOT TO SCALE

1



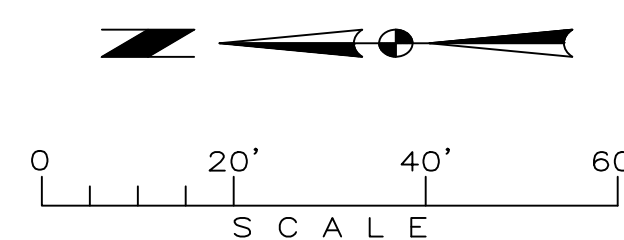
NOTES:

- 1) OVER-EXCAVATE AT SWALE LOCATION TO A TOTAL DEPTH OF 1 FOOT.
- 2) SCARIFY EXISTING SUBGRADE AND TAKE CARE NOT TO OVER-COMPACT SOIL PRIOR TO PLACING DRAIN ROCK. DO NOT ALLOW HEAVY EQUIPMENT (INCLUDING SKID-STEERS) IN SWALE LOCATIONS.

TYPICAL POND SECTION

NOT TO SCALE

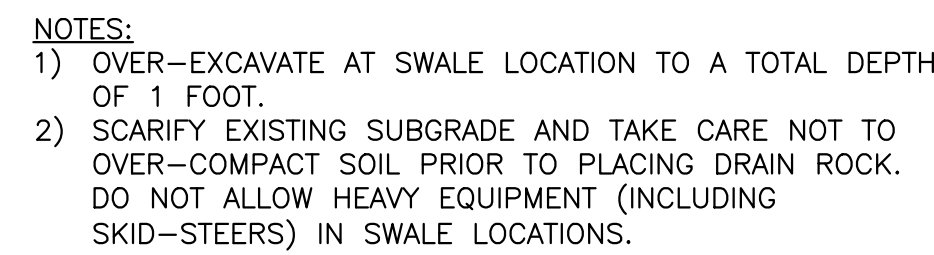
2



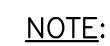
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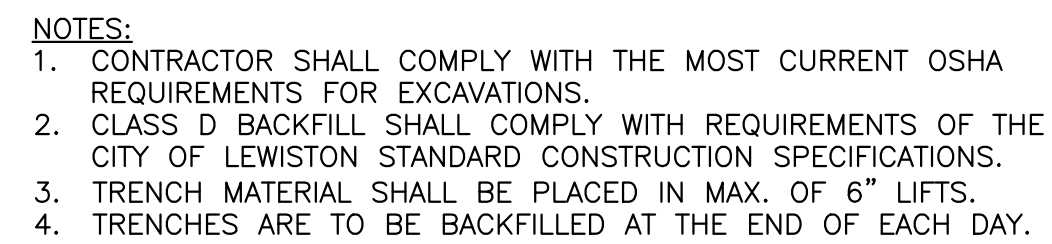


NOT TO SCALE

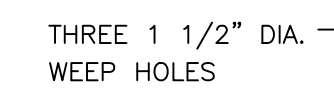


1. USE D&L FOUNDRY REVERSIBLE FRAME & GRATE, MODEL NO. I-4431 OR OTHER ENGINEER APPROVED EQUAL.

NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

- CATCH BASIN NOTES:

1. TYPICAL CATCH BASIN [WILBERT PRECAST PRODUCT #1827] AND RISERS [WILBERT PRECAST #1830 (FOR 12") OR #1831-2,4,6 (FOR 2", 4" OR 6")] OR ENGINEER APPROVED EQUAL.
2. ALL UNITS TO MEET OR EXCEED THE REQUIREMENTS OF ASTM C478/ASHTO M199.
3. ALL CURB INLET STRUCTURES SHALL HAVE A MINIMUM 12" SLURP WITH THREE 1 1/2" DIA. DEEP HOLES IN BASE AND MINIMUM OF 12" OF COMPACTED 5/8" MINUS UNDER BASE; CRUSHED AGGREGATE MATERIAL COMPACTED TO 95% MODIFIED PROCTOR AS PER ASHTO T180.
4. PRECAST BASIN TO BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM.
5. ALL PIPES SHALL BE FLUSH WITH BASIN WALL AND SHALL BE MORTARED ALL AROUND.
6. REDUCTION SLAB, RISERS, AND FRAME & GRATE SHALL NOT BE MORE THAN ONE INCH OUT OF VERTICAL ALIGNMENT WITH CATCH BASIN BASE.
7. USE A MINIMUM OF 1/2" NON-SHRINK GROUT BETWEEN RISERS, BASE & CURB.
8. CURB INLET TO BE PLACED WITHIN A TOLERANCE OF 1/2" HORIZONTAL ALIGNMENT FROM CURB LINE.
9. SET GRATE 1" LOWER THAN PROPOSED FLOWLINE TO ENSURE POSITIVE DRAINAGE INTO CATCH BASIN. CURB FLOWLINE SHALL BE TRANSITIONED FOR 3' ON EACH SIDE OF THE CATCH BASIN TO ADJUST FOR 1" DROP. TOP OF CURB IS NOT TO BE DEPRESSED.



DRAWN BY:	BRL
DESIGNED BY:	BRL
QUALITY CHECK:	PAO
DATE:	08/22/18
DB NO.	L18-032
ELDBOOK	

LC SMILES DENIAL CLINIC SITE DEVELOPMENT I
LEWISTON, ID

GRADING & DRAINAGE DETAILS