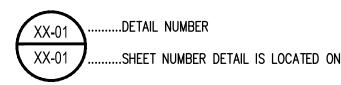
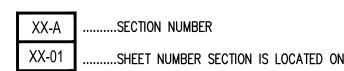
DRAFTING SYMBOLS:





CONSTRUCTION KEY NOTE SYMBOLS:

TYPICAL ABBREVIATIONS:

&	AND	JB, J-BOX	JUNCTION BOX
α Đ	ANGLE	JB, J-BOX JT	JOINT TRENCH
±	APPROXIMATELY	kV	KILOVOTS
@ G	AT CENTERLINE	kW KWH	KILOWATT KILOWATT HOURS
•	DEGREE		KIEGWATT TIOOKS
=	EQUALS	MAX	MANIJEACTURER
	FOOT GREATER THAN	MFR MH	MANUFACTURER MANHOLE
> "	INCH	MIN	MINIMUM, MINUTE
#	NUMBER	MISC	MISCELLANEOUS
%	PERCENT	MON	MONUMENT IN CASE
AC	ASPHALTIC CONCRETE	N N/A	NORTH, NORTHING NOT APPLICABLE
ADD'L	ADDITIONAL	NE NE	NORTHEAST
ADJT AFF	ADJACENT ABOVE FINISH FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURES
AP	ANGLE POINT	NIC	ASSOCIATION NOT IN CONTRACT
APPROX	APPROXIMATE	NO, No	NUMBER
ARCH ATB	ARCHITECT ASPHALT TREATED BASE COURSE	NTS	NOT TO SCALE
AVE	AVENUE	NW	NORTHWEST
BCR	BEGIN CURB RETURN	OC, oc	ON CENTER
BFV	BUTTERFLY VALVE	OD OSHA	OUTSIDE DIAMETER OCCUPATIONAL SAFETY & HEALTH
BGS	BELOW GROUND SURFACE	OSHA	ADMINISTRATION
BLK BLDG	BLOCK(S) BUILDING	_	
BM	BENCHMARK	P PC	POWER, POWER VAULT POINT OF CURVATURE
BVC	BEGIN VERTICAL CURB	PCC	POINT OF COMPOUND CURVE
С	CONDUIT	PED	PEDESTAL
CB	CATCH BASIN	PI PL	POINT OF INTERSECTION PROPERTY LINE
CF	CUBIC FEET	POC	POINT OF CONNECTION
CIRC CIP	CIRCUIT, CIRCULA(R, TION) CAST—IN—PLACE	PP	POWER POLE
CIP MON	CAST-IN-PLACE MONUMENT	PRC PROP	POINT OF REVERSE CURVATURE PROPERTY
€ C1	CENTER JOINT CENTER LINE	PSE	PUGET SOUND ENERGY
CL	CROWNLINE	PSI	POUNDS PER SQUARE INCH
CLR	CLEAR	PT PVC	POINT OF TANGENCY POINT OF VERTICAL CURVE
CO COMM	CLEANOUT COMMUNICATION	PVI	POINT OF VERTICAL INTERSECTION
COMPT	COMPACTED	PVT PVMT	POINT OF VERTICAL TANGENT PAVEMENT
CONC	CONCRETE	PWR	POWER
CONST CONT	CONSTRUCT CONTINU(E, ED, OUS, ATION)		
COORD	COORDINATE	QTY	QUANTITY
CSBC	CRUSHED SURFACING BASE COURSE	R	RADIUS
CSTC CULV	CRUSHED SURFACING TOP COURSE CULVERT	RD	ROAD, ROADWAY
CU YD	CUBIC YARD	ref Reinf	REFERENCE REINFORC(E, ED, ING, MENT)
D /W	DDIVEWAY	REQ'D	REQUIRED
D/W DEF	DRIVEWAY DEFLECTION	REV RIM	REVISION
DEG	DEGREE	RT RT	STRUCTURE RIM ELEVATION RIGHT
DEMO	DEMOLISH/DEMOLITION DIAMETER	R/W, ROW	RIGHT OF WAY
DIA DIM	DIMENSION(S)	S	SOUTH OR SLOPE
DIP	DUCTILE IRON PIPE	SCHED SD, SDMH	SCHEDULE STORM DRAIN, STORM DRAIN MANHOLI
DR DWG(S)	DRIVE DRAWING(S)	SE	SOUTHEAST
D 110 (3)	DIA MINO(3)	SECT SHT	SECTION(S) SHEET
E	EAST OR ELECTRICAL	SP	SPRINKLER
EA ECR	EACH END CURB RETURN	SQ	SQUARE
EHH	ELECTRICAL HANDHOLE	SQ FT SQ IN	SQUARE FEET SQUARE INCH
EL, ELEV	ELEVATION STATEMENT OF THE PROPERTY OF THE PRO	SS	SANITARY SEWER
ELEC ENGR	ELECTRIC(AL) ENGINEER	SSMH	SANITARY SEWER MANHOLE
EOP	EDGE OF PAVEMENT	ST STA	STREET STATION
EQ	EQUAL(LY) EQUIPMENT	STD	STANDARD
EQUIP ESMT	EASEMENT	STRUCT SW	STRUCTURE(E, AL) SOUTHWEST
EVC	END VERTICAL CURVE	SYS	SYSTEM
EX, EXIST EXP	EXISTING EXPANSION		
		T TBD	TELEPHONE OR TELEPHONE VAULT TO BE DETERMINED
FDC FDN	FIRE DEPARTMENT CONNECTION FOUNDATION	TBM	TEMPORARY BENCH MARK
FF	FINISH FLOOR	TC	TOP OF CURB ELEVATION
FG FH	FINISHED GRADE FIRE HYDRANT	Tele Temp	TELEPHONE TEMPORARY
rn FIN	FINISH(ED)	TOW	TOP OF WALL
FL	FIRE LINE/FLANGE	TP, T/P	TOP OF PIPE
FT	FOOT/FEET	TYP	TYPICAL
•	010	UDG	UNDERGROUND
G GALV	GAS GALVANIZED	VAP	VERTICAL ANGLE POINT
GRND	GROUND	VC VERT	VERTICAL CURVE VERTICAL
GV	GATE VALVE	VOL	VOLUME
Шυ	HANDHOI E	W	WEST, WIDTH, WIDE OR WATER
HH HORIZ	HANDHOLE HORIZONTAL	W/	WITH
HT	HEIGHT	W/O	WITHOUT
ΙE	INVERT ELEVATION	WM WSDOT	WATER MAIN WASHINGTON STATE DEPARTMENT OF
IN	INCH		TRANSPORTATION
		WV	WATER VALVE
		YFMR	TRANSFORMER

CITY OF LEWISTON TRENCHING SPECIFICATIONS:

1. PIPE BEDDING: MATERIAL SHALL BE 3/4" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER ITD SPEC. 703.04 OR 5/8" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER WSDOT SPEC. 9-03.9. MATERIAL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY. TESTING FREQUENCY SHALL BE: ONE TEST PER LIFT EVERY 100 L.F.

TRANSFORMER

- 2. 1ST FOOT OF FILL OVER PIPE: MATERIAL SHALL BE 3/4" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER ITD SPEC. 703.04 OR 5/8" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER WSDOT SPEC. 9-03.9. MATERIAL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY. TESTING FREQUENCY SHALL BE: ONE TEST PER LIFT EVERY 100 L.F.
- 3. TRENCH BACKFILL UNDER ROAD OR SIDEWALK: 1ST FOOT OF FILL OVER PIPE: MATERIAL SHALL BE 3/4" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER ITD SPEC. 703.04 OR 5/8" MINUS CRUSHED AGGREGATE (4" MAX. LIFT) PER WSDOT SPEC. 9-03.9. MATERIAL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY. TESTING FREQUENCY SHALL BE: ONE TEST PER LIFT
- 4. TRENCH BACKFILL UNDER PARKING LOT: SEE GEOTECHNICAL REPORT.

SCJ ALLIANCE

PROTECTED FROM SILTATION.

GENERAL EROSION CONTROL NOTES

UPON ARRIVAL AT PROJECT/CONSTRUCTION SITE.

- . EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING OR PROPOSED DRAINAGE FACILITIES SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SILTS TO OFF-SITE PROPERTIES.
- EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION AND THE REVIEWING AGENCY SHALL INSPECT AND APPROVE THE INSTALLATION OF EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION. A. INSTALL INLET SEDIMENTATION AS SPECIFIED AT ALL CATCH BASIN LOCATIONS IMMEDIATELY
- ALL EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS
- TO THE SYSTEM AS REQUIRED BY THE OWNER, ENGINEER, OR THE CITY OF LEWISTON. 4. THE CONTRACTOR SHALL MAKE A DAILY SURVEILLANCE OF ALL EROSION CONTROL MEASURES AND MAKE ANY NECESSARY REPAIRS OR ADDITIONS TO THE EROSION CONTROL MEASURES AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS DETERMINED NECESSARY BY THE INSPECTOR AND/OR PROJECT ENGINEER. FAILURE TO COMPLY WITH ALL LOCAL AND STATE EROSION CONTROL REQUIREMENTS MAY RESULT IN CIVIL PENALTIES BEING LEVIED
- AGAINST THE CONTRACTOR. 5. PRIOR TO CLEARING AND GRADING THE CONTRACTOR SHALL PROTECT TREES TO BE SAVED WITH HIGH VISIBILITY FENCING AT THE ROOT PROTECTION DELINEATION OR OTHERWISE PROTECTED AS DIRECTED BY THE ENGINEER, CITY STAFF, OR OWNERS REPRESENTATIVE. CLEARING AND GRADING
- LIMITS SHALL BE STAKED IN THE FIELD PRIOR TO EXCAVATION. 6. ALL STORM DRAINAGE INLETS RECEIVING RUNOFF FROM THE PROJECT DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL BE FILTERED BEFORE ENTERING THE
- CONVEYANCE SYSTEM. 7. ALL OFF-SITE CATCH BASINS IMMEDIATELY ADJACENT TO THE PROPOSED SITE SHALL BE
- 8. THE CONSTRUCTION OF TRENCHES (E.G., PIPES, UNDERGROUND UTILITY LINES AND STRUCTURES) SHALL BE SUBJECT TO THE FOLLOWING CRITERIA: A. NO MORE THAN 300 FEET OF TRENCH ON A DOWNSLOPE OF MORE THAN FIVE PERCENT SHALL BE OPENED AT ONE TIME.
- B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- 9. TRENCH DEWATERING DEVICES SHALL BE DISCHARGED IN A MANNER THAT WILL NOT ADVERSELY AFFECT STREAMS, DRAINAGE SYSTEMS, OR OFF-SITE PROPERTIES. 10. TRACKING OF SOIL, MUD, OR DEBRIS OFF-SITE IS NOT ALLOWED. SOIL, MUD, OR DEBRIS TRACKED
- ONTO A PUBLIC ROADWAY, SHALL BE REMOVED BY THE END OF THAT WORKING DAY. TO PREVENT THE TRACKING OF SOIL, MUD, OR DEBRIS ONTO PUBLIC ROADWAYS, SWEEPING OR WASHING OF THE VEHICLE'S TIRES MAY BE REQUIRED PRIOR TO ENTERING A PUBLIC ROADWAY. 11. ALL DISTURBED AREAS SHALL BE HYDROSEEDED WITH EROSION CONTROL SEED MIX. INCLUDING BUT NOT LIMITED TO ROADWAY EMBANKMENTS, SHOULDERS, UTILITY EASEMENTS, STAGING AREAS,
- CONSTRUCTED WETLANDS AND CUT/FILL SLOPES. 12. ALL SEEDED OR SODDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE VEGETATIVE COVERAGE IS COMPLETE. AREAS SHALL BE REPAIRED, RESEEDED, AND FERTILIZED AS REQUIRED. 13. DROP-IN CATCH BASIN FILTERS MAY BE USED IN PLACE OF OTHER STANDARD INLET PROTECTION
- RIGHT-OF-WAY FLOODING WOULD BE PROBLEMATIC. 14. TO MAINTAIN FUNCTION, THE CONTRACTOR SHALL REMOVE AND CLEAN OR REPLACE FILTERS AFTER EACH STORM EVENT. CONTACT THE JURISDICTION TO DETERMINE ITS ACCEPTANCE OF SPECIFIC FILTER PRODUCTS. PRIOR TO INSTALLATION.

PRACTICES. THIS INLET PROTECTION TECHNOLOGY CAN BE USED IN SITUATIONS WHERE

- 15. NO MATERIAL SHALL BE STOCKPILED ON PAVEMENT WITHOUT AUTHORIZATION FROM THE PROJECT ENGINEER OR OWNER'S REPRESENTATIVE WHICH WILL BE CONDITIONAL ON IMPLEMENTATION OF A PROCEDURE TO PREVENT SEDIMENT TRANSPORT.
- 16. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED OR AFTER THE MEASURES ARE NO LONGER NEEDED. SEDIMENT COLLECTED IN TRAPS, PONDS, OR SILT FENCE SHALL BE REMOVED AND DISPOSED IN AN APPROVED MANNER OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM SEDIMENT REMOVAL SHALL BE PERMANENTLY STABILIZED WITHIN SEVEN (7) DAYS.

CITY OF LEWISTON WATER LINE MATERIALS SPECIFICATIONS

- . DUCTILE IRON PIPE SHALL BE PUSH-ON GASKETED PIPE CONFORMING TO AWWA C151, CENTRIFUGALLY CAST OF 60-42-10 IRON. PRESSURE CLASS SHALL BE 350 UNLESS OTHERWISE SPECIFIED. THE PIPE SHALL BE CEMENT-MORTAR LINED IN ACCORDANCE WITH AWWA C104. ALL JOINTS SHALL BE GASKETED IN COMPLIANCE WITH AWWA C111. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER. JOINT RESTRAINT FOR MECHANICAL JOINT PIPE BELLS SHALL BE THE US PIPE MJ FIELD LOK GASKET OR AMERICAN FAST-GRIP GASKET. THE RESTRAINT SYSTEM SHALL BE COMPLETELY INTEGRAL TO THE GASKET, REQUIRING ONLY STANDARD MECHANICAL JOINT ASSEMBLY TECHNIQUES.
- 2. PVC PIPE SHALL BE PUSH-ON GASKETED PIPE CONFORMING TO AWWA C900, CONSTRUCTED OF MATERIAL CONFORMING TO ASTM D 1784. PRESSURE CLASS SHALL BE 150 UNLESS OTHERWISE SPECIFIED. ALL JOINTS SHALL BE GASKETED IN COMPLIANCE WITH ASTM D 3139 WITH ELASTOMERIC SEALS CONFORMING TO ASTM F477. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER.
- 3. MECHANICAL JOINT FITTINGS SHALL CONFORM TO AWWA C153 AND C111. FITTINGS SHALL BE CEMENT-LINED AND SEAL-COATED IN ACCORDANCE WITH AWWA C104. UNLESS OTHERWISE INDICATED BY THE PLANS OR DIRECTED BY THE ENGINEER, ALL MECHANICAL JOINTS 12" AND SMALLER SHALL BE EQUIPPED WITH GRIPRING (ROMAC INDUSTRIES), MJ FIELD LOK (US PIPE), OR ALLGRIP/PVCGRIP (STAR PIPE) RING-TYPE GRIPPING RESTRAINTS. MECHANICAL JOINT RESTRAINTS SHALL BE OF A TYPE COMPATIBLE WITH THE PIPE MATERIAL. WHERE INDICATED BY THE PLANS OR DIRECTED BY THE ENGINEER, MECHANICAL JOINTS LARGER THAN 12" SHALL BE EQUIPPED WITH ROMAGRIP (ROMAC INDUSTRIES), MEGALUG (EBAA IRON), STARGRIP (STAR PIPE), OR UNIFLANGE SERIES 1400/1500 (FORD METER BOX) RADIAL-WEDGE TYPE MECHANICAL JOINT RESTRAINTS. MECHANICAL JOINT RESTRAINTS SHALL BE OF A TYPE COMPATIBLE WITH THE PIPE MATERIAL. FLANGED FITTINGS SHALL CONFORM TO AWWA C153 AND SHALL BE FACED AND DRILLED IN ACCORDANCE WITH ANSI CLASS 125 B16.1. FITTINGS SHALL BE CEMENT-LINED AND SEAL-COATED IN ACCORDANCE WITH AWWA C104. GASKETS AND BOLTS FOR FLANGED JOINTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C207. GASKET SHALL BE CLOTH-INSERTED 1/8" THICK SHEET RUBBER,

FULLY CUT WITH HOLES TO PASS BOLTS.

ACCORDANCE WITH AWWA C550.

4 ½" PUMPER NOZZLE.

- AS SPECIFIED BY THE PLANS AND SHALL CONFORM TO THE SPECIFICATIONS OF AWWA C509 OR C515. ALL GATE VALVES SHALL BE DESIGNED FOR A 200 PSI MINIMUM WORKING PRESSURE UNLESS OTHERWISE SPECIFIED, AND SHALL OPEN COUNTERCLOCKWISE WITH A 2 INCH SQUARE OPERATING NUT. GATES VALVES SHALL BE RESILIENT-SEATED, WITH A NON-RISING STEM, AND SHALL BE COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH AWWA C550. BUTTERFLY VALVES SHALL BE MADE FOR FLANGED, MECHANICAL, OR PUSH-ON JOINTS AS SPECIFIED BY THE PLANS AND SHALL CONFORM TO THE SPECIFICATIONS OF AWWA C-504 FOR CLASS 150B SERVICE AND SHALL OPEN COUNTERCLOCKWISE WITH A 2 INCH SQUARE OPERATING NUT AND POSITION INDICATOR. ALL BUTTERFLY VALVES SHALL BE CONSTRUCTED OF CAST IRON WITH RUBBER VALVE SEATS, AND SHALL BE COATED INSIDE AND OUTSIDE IN
- 5. VALVE BOXES SHALL BE TWO-PIECE EXTENSION TYPE WITH LENGTHS AS SPECIFIED BY THE PLANS, CONSTRUCTED OF CAST IRON WITH CAST IRON COVER, VALVE BOXES SHALL HAVE WALLS NOT LESS THAN THREE-SIXTEENTH (3/16) INCH THICK AT ANY POINT, AND THE INTERNAL DIAMETER SHALL BE NOT LESS THAN FIVE (5) INCHES. VALVE BOX COVERS SHALL HAVE THE WORD "WATER" CAST INTO THEM.
- 6. LOCATING WIRE SHALL BE INSULATED COPPER, MINIMUM SIZE 12 GAUGE AWG-THHN SOLID COPPER, AND USED IN MINIMUM 500 FOOT ROLLS. ALL SPLICES SHALL BE ENCASED IN AN EPOXY SPLICE KIT.
- MARKING TAPE SHALL CONSIST OF INERT BLUE POLYETHYLENE PLASTIC THAT IS IMPERVIOUS TO ALL KNOWN ALKALIS, ACIDS, CHEMICAL REAGENTS, AND SOLVENTS LIKELY TO BE ENCOUNTERED IN THE SOIL. THE TAPE SHALL BE COLOR CODED AND SHALL BE IMPRINTED CONTINUOUSLY OVER ITS ENTIRE LENGTH IN PERMANENT BLACK INK. THE MESSAGE SHALL CONVEY THE TYPE OF LINE BURIED BELOW AND SHALL ALSO HAVE THE WORD "CAUTION" PROMINENTLY SHOWN. THE WIDTH OF THE TAPE SHALL BE AS RECOMMENDED BY THE MANUFACTURER FOR THE DEPTH OF INSTALLATION.
- 8. FIRE HYDRANTS SHALL BE NOMINAL 5-1/4 INCH MAIN VALVE OPENING IN CONFORMANCE WITH AWWA C502. WITH 4.5 FOOT BURY DEPTH UNLESS OTHERWISE INDICATED BY THE PLANS. HYDRANTS SHALL HAVE BRONZE CONSTRUCTED VALVE PLATE, SEAT RING AND DRAIN RING, AND PROVIDE A 6 INCH MECHANICAL JOINT CONNECTION. EACH HYDRANT SHALL BE PROVIDE TWO 2-1/2 INCH HOSE NOZZLES AND ONE 4-1/2 INCH PUMPER NOZZLE. NOZZLE THREADS SHALL BE AMERICAN NATIONAL STANDARD. OPERATING NUT SHALL BE 1-1/2 INCH NATIONAL STANDARD PENTAGON NUT. THE MAIN VALVE SHALL BE EQUIPPED WITH O-RING SEALS AND SHALL OPEN WHEN TURNED COUNTERCLOCKWISE. HYDRANTS SHALL BE OF THE BREAK-FLANGE OR SAFETY-TOP TYPE. FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION, WATEROUS PACER (WITH 16" UPPER STANDPIPE), OR CLOW MEDALLION. HYDRANTS SHALL BE EQUIPPED WITH A HARRINGTON STORZ ADAPTER (4 ½" NH X 5" STORZ) AND BLIND CAP (5" STORZ) WITH CHAIN AT THE

CITY OF LEWISTON

GENERAL NOTES FOR STORMWATER SYSTEMS:

- 1. ALL WORK SHALL CONFORM TO CURRENT IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) SPECIFICATIONS AND THE CITY OF LEWISTON STANDARDS AND SPECIFICATIONS. IN THE CASE OF CONFLICT, CITY STANDARDS SHALL PREVAIL. THE 'LEWISTON STORMWATER POLICY AND DESIGN MANUAL DEFINES THE POLICIES. MINIMUM STANDARDS, REQUIREMENTS, AND PROCEDURES FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF PRIVATE STORMWATER SYSTEMS.
- ANY REPAIR, MAINTENANCE OR ALTERATION OF A PUBLIC STORM LINE OR DRAINAGE MUST BE APPROVED BY CITY ENGINEER.
- 3. THE CONTRACTOR MUST SECURE APPROVAL FROM THE CITY ENGINEER PRIOR TO ADDING OR REMOVING FILL BACKFILL OVER PUBLIC STORM DRAIN MAINLINE.
- 4. THE ENGINEERING INSPECTOR SHALL BE NOTIFIED AT LEAST FOURTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON STORM DRAINS.
- 5. ALL PUBLIC STORM DRAIN LINES SHALL BE VIDEOTAPED AND SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO PAVING, CITY SHALL HAVE FOURTY-EIGHT (48) HOURS FOR REVIEW.

6. ALL MANHOLES AND CATCH BASINS SHALL BE INSPECTED TWICE BY THE ENGINEERING

CALL (208) 791-8453 OR 746-1316 FOR INSPECTION SCHEDULING. 7. CLOSED CONDUITS (OR PIPELINES) FOR STORMWATER CONVEYANCE IN THE CITY'S STORMWATER SYSTEM MUST BE A MINIMUM OF 12 INCH DIAMETER. THE PIPE MATERIAL MAY BE PLASTIC, STEEL, REINFORCED CONCRETE OR AN APPROVED MATERIAL. BUT MUST MEET

INSPECTOR - ONCE PRIOR TO BACKFILL AND THEN PRIOR TO ACCEPTANCE OF IMPROVEMENTS.

8. MINIMUM PIPE SLOPE SHALL BE 0.5% AND MINIMUM DESIGN VELOCITY WHEN FLOWING FULL SHALL BE NOT LESS THAN 2 FEET PER SECOND AND MAXIMUM VELOCITY SHOULD NOT BE MORE THAN 8 FEET PER SECOND.

CITY 605.02 SPECIFICATIONS IF PART OF THE CITY'S STORMWATER SYSTEM.

- 9. JUNCTIONS OF 3 OR MORE PIPES, CHANGES IN ALIGNMENT, SLOPE AND/OR CHANGES IN PIPE DIAMETER SHALL BE MADE ONLY AT CATCH BASINS OR MANHOLES.
- 10. STEEP SLOPE INSTALLATION SHALL BE INSTALLED AS PER MANUFACTURES PIPE
- 11. MANHOLE SHALL BE INSTALLED AT THE END OF EACH LINE. AT ALL CHANGE IN SIZE OR ALIGNMENT. AT DISTANCE NOT GREATER THAN 350 FEET OR AT CITY ENGINEER'S REQUIRED SPACING. ALL OTHER CHANGES IN SPACING MUST HAVE WRITTEN APPROVAL FROM PUBLIC WORKS DEPARTMENT.
- 12. LOCATING WIRE SHALL BE INSTALLED WITH ALL PUBLIC STORM PIPE INSTALLATIONS. SEE CITY DWG1-8, 'IDENTIFYING TAPE DETAIL'.
- 13. CATCH BASINS AND MANHOLES SHALL BE ACCESSIBLE TO VEHICLES AND EQUIPMENT FOR MAINTENANCE AND BE WITHIN RIGHT-OF-WAY OF A MINIMUM EASEMENT WIDTH OF 20 FEET. PROPOSED ACCESS ROUTE MUST BE APPROVED BY CITY ENGINEER. MAINTENANCE ACCESS ROUTES THAT DO NOT FOLLOW THE STORMLINE MUST HAVE A MINIMUM 12' EASEMENT.

SCJ ALLIANCE

GENERAL CONSTRUCTION NOTES:

- 1. ALL WORK WORKMANSHIP AND MATERIALS FOR THIS PROJECT SHALL MEET OR EXCEED THE MOST CURRENT VERSION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF LEWISTON CONSTRUCTION STANDARD
- 2. ALL GOVERNMENTAL SAFETY REGULATIONS SHALL BE STRICTLY ADHERED TO INCLUDING OSHA.
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DULY NOTIFY THE CITY IN ADVANCE OF THE COMMENCEMENT OF ANY AUTHORIZED WORK AND TO SCHEDULE REQUIRED INSPECTIONS. ANY REQUIRED INSPECTION TEST WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- 4. THE APPROVAL OF THESE PLANS BY THE CITY OF LEWISTON DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF OTHER GOVERNING AGENCIES.
- HE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE PROJECT SURVEY AND OTHER RECORDS OF UTILITIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL 1-800-342-1585 48 HOURS PRIOR TO PLANNED EXCAVATIONS.
- 6. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON COMPILED SURVEY DATA. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED WORK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE.
- 7. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION, DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINTS OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
- 8. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS. 9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS AT THE
- CONSTRUCTION SITE AT ALL TIMES. 10. THE CONTRACTOR SHALL PROVIDE SLOPE PROTECTION FOR SLOPES OF 5:1 OR GREATER ACCORDING TO AGC STANDARD GUIDELINES AND BEST MANAGEMENT
- 11. CONSTRUCTION SIGNING AND TRAFFIC CONTROL SHALL BE PER THE CURRENT COPY OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). 12. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK SHIFT UNLESS TRAVELING TO OR FROM THE SITE.
- OUTSIDE OF THESE AREAS. 13. OTHER CONSTRUCTION PROJECTS MAY OCCUR NEAR THE PROJECT SITE AND MAY BE IN PROGRESS CONCURRENT WITH THE PROJECT. THE CONTRACTOR SHALL COPERATE AS NECESSARY AND NOT INTERFERE OR HINDER THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.

UNDER NO CIRCUMSTANCES SHALL VEHICLES BE PARKED OR EQUIPMENT BE STORED

- 14. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE CITY OF LEWISTON AND THE
- 15. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE CONSTRUCTION" STATE OR BETTER.
- 16. DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

CITY OF LEWISTON **GENERAL NOTES FOR CATCH BASINS:**

- 2. ALL CURB INLET STRUCTURES SHALL HAVE A MINIMUM 12" SUMP WITH THREE 1 1/2" DIA. WEEP HOLES IN BASE AND MINIMUM OF 12" OF COMPACTED 5/8" MINUS UNDER BASE; CRUSHED AGGREGATE MATERIAL COMPACTED TO 95%% MODIFIED PROCTOR AS PER AASHTO
- 3. A CATCH BASIN SHALL BE INSTALLED UPHILL TO EACH INTERSECTION CORNER RADIUS AND SPACED NO MORE THAN 400 FEET ALONG THE LENGTH OF THE STREET OR AT CITY ENGINEER'S REQUIRED SPACING. ADJUSTMENTS TO SPACING SHALL REQUIRE CALCULATIONS TO VERIFY THE CHANGES HAVE MET CITY SPECIFICATIONS.

1. ALL UNITS TO MEET OR EXCEED THE REQUIREMENTS OF ASTM C478/AASHTO M199.

- 4. PRECAST BASES SHALL 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. USE CITY STD DWG NO. 6-7 FOR CATCH BASIN FRAME AND GRATE.
- 7. REDUCTION SLAB. RISERS. AND FRAME & GRATE SHALL NOT BE MORE. THAN ONE INCH OUT OF VERTICAL ALIGNMENT WITH CATCH BASIN BASE. 8. MAXIMUM DEPTH FROM FINISHED GRADE TO PIPE INVERT IS 5 FEET.
- 9. USE A MINIMUM OF 1/2" NON-SHRINK GROUT BETWEEN RISERS, BASE, AND FRAME. 10. CURB INLET TO BE PLACED WITHIN A TOLERANCE OF 1/2" HORIZONTAL ALIGNMENT FROM
- 11. SET GRATE 1" LOWER THAN PROPOSED FLOWLINE TO ENSURE POSITIVE DRAINAGE INTO CATCH BASIN. CURB FLOWLINE SHALL BE TRANSITION TO 3' ON EACH SIDE OF THE CATCH BASIN TO ADJUST FOR 1" DROP. GUTTER LIP AND TOP OF CURB ARE NOT TO BE DEPRESSED.

SCJ ALLIANCE STANDARD FIRE DEPARTMENT COMMENTS:

FIRE DEPARMENT ACCESS

I. Approved numbers and/or letters shall be placed on all buildings to be visible from the street, color contrasting to background. Address posting is required on building, Fire Department access and on all rear doors. IFC 505.1 "12 inches high X 1 ½" stroke when over 50 feet from access"

- 2. All required access roadways shall be completed to a minimum width of 20 feet, capable of supporting 78,000 lbs. with an all-weather surface, to within 150 feet of all stockpiles and all sides of building prior to Fire Department approval of a building permit. Access roadways to be posted "NO STOPPING/FIRE LANE" (see IFC D103.6 for sign specifications) and shall not be used for the storage of materials. IFC 501.4, 503.4
- 3. FIRE LANE" signs are required to be installed along interior access roadways where vehicle parking would encroach on the required 20 foot clear width of roadway (see IFC D103.6 for sign specifications). IFC 503.3 4. Due to the limited width of on-site roadways, it is required that no trees or high-growing shrubs shall be closer
- 5. This project requires 2 emergency key box (es) in a location approved by the Fire Department. Key box shall be mounted five feet above the ground (floor) level, readily visible and not more than 5 feet from the main entry to the premises. Additional key boxes shall be provided adjacent to exterior riser room entry doors where said doors are more than 50 feet from the main entrance and/or the riser room is not located on the same side of the structure as the main front entry. All tenant keys shall conform to a master key system. Master keys shall be permanently tagged and labeled. IFC 506. Begin application process for Knox Box with the Fire Department prior to building permit being issued. The following keys shall be provided in the Knox Box: (grand master key and fire alarm cabinet key)

than 6' from any of the required access roadways and shall be maintained clear up to 13'6". IFC 503.2.1

6. Where a fire sprinkler system is to be installed, the Fire Department Connection (FDC) and Post Indicator Valve (PIV) locations must be indicated on the architectural and/or civil drawings.

GENERAL FIRE PROTECTION SYSTEM REQUIREMENTS

- . <u>Notice to Contractors</u> —Installation of Fire Services Mains, Fire Sprinkler Systems, Fire Alarm Systems or other Fire Protection Systems is not allowed prior to plan approval by the Lewiston Fire Department and subsequent permit issuance from the City of Lewiston Building Department. Fire Sprinkler Systems must be approved by the Idaho State Fire Marshal's Office prior to being submitted to the Lewiston Fire Department. Contractors who engage in installation prior to appropriate approvals may be cited and the project will be red tagged. IFC 111, 105.4, 105.7.1,
- 2. All Underground Fire Service, Fire Sprinkler Systems, Fire Alarm Systems and Commercial Hood and Duct Systems require separate plans, application, review, permit and fee. Any of the above named systems included with Application # _____ and shown or noted on these plans are to be used for bid purposes only. Fire Department approval of the above named application does not include any of the above named systems." IFC 111, 105.4, 105.7.1, 105.7.3, 105.7.11, 901.2
- 3. Underground Fire Service Plans, Fire Sprinkler System Plans, Fire Alarm System Plans and Commercial Hood & Duct System Plans shall be sent To be sent to: Fire Plan Check c/o City Permit Center 215 D Street

Lewiston, ID 83501

UNDERGROUND FIRE SERVICE

1. Underground fire service mains and all components shall conform to NFPA 24 minimum standard. The plans shall be reviewed and approved by the Fire Department prior to installation. Stamped approved plans must be kept on site

- 2. All new fire hydrants shall meet the following requirements: * New hydrant will be Waterous Pacer or Meuller Centurian with Storz adapter(s).
- * 6" minimum supply for fire hydrant. * If combustible building materials are used (including framing) the water supply (including mains and hydrants)
- be designed, installed, tested and approved by the Fire Department prior to stockpiling combustible building * Water supply systems for phased construction shall provide required fire flows at all phases." * All fire hydrants shall be provided with a 5—inch Harrington HIHS Storz adaptor with the approved * The following existing hydrants shall be provided with 5-inch Storz adapters with the approved
- attached seal cap and aircraft cable. _____, ____, ____, ____, * All new and existing hydrants shall be installed and/or modified so the 5- inch port is facing toward the fire department vehicular access route (i.e.: road, street, lane, etc.).
- 2. Size and type of fire service mains shall be approved by the Fire Department prior to installation.

FIRE SPRINKLER SYSTEMS

1. Fully automatic fire sprinkler system is required due to: - Fire flow in excess of 3,000 gpm: Lewiston Muni Code - International Fire Code Reg." Sec: 903.2.7

- 2. Fire Sprinkler Systems and alterations of an existing system and all components shall conform to NFPA 13, 13R or 13D (whichever is applicable) minimum standard and shall be reviewed by the Fire Department prior to installation. Stamped, approved plans and permit must be kept on site for Fire Inspector IFC 105.3.5 a. FDC/PIV locations shall be approved by the Fire Marshal. b. Submittal to include three sets of plans and calculations with all details per NFPA 13, 13R or 13D.
- c. Contractor is required to submit a set of "as—built" documents/drawings for approval <u>prior</u> to final inspection when not installed per plan. d. Test required: New System, 200 psi for 2 hours"

3. Fire Department Connection (FDC) threads shall be protected with approved Knox FDC plugs. Begin application process with the Fire Department prior to permit issuance. IFC 912.3.1

- 4. All control valves shall be listed indicating or listed non—indicating type. NFPA 13, section 8.15.1.1.4.1 PIV to be located a minimum of 40' from building. NFPA 24, section 6.2.11(1).
- 5. Large trash receptacles, commonly known as dumpsters that are place adjacent to structures or in areas where heavy accumulation of combustibles are expected, shall be protected with at least one automatic fire sprinkler head. If the building is not equipped with a fire sprinkler system, the dumpster shall not be stored in the building or placed within 5 feet of combustible walls, openings or combustible roof eave lines. IFC 304.3.3 <u>FIRE ALARM SYSTEMS</u>

1. Fire Alarm System is required due to: 20 or more sprinkler heads per IFC 903.4 (waterflow monitoring system)

- IFC section 907.2.7 2. The following components are required for sprinkler systems with 20 or more heads installed per IFC 903.4 a. Central Station monitoring of fire control unit (alarm panel). IFC 903.4 b. Duct detectors when required by IMC 606.2.2 with remote reset at alarm panel, NFPA 72, section 5.14.5.8.
- c. Approved audible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. IFC 903.4.2. Approved devices include Horn/Strobes for interior use, minimum of 6" bell for exterior use. Occupant notification of a fire glarm condition within the premises shall comply with IFC 907.6 and NFPA 72. NOTE: Where the occupancy is classified as an "R" or an "1" where the occupants may be
- <u>sleeping, audible notification shall be provided to the sleeping area in accordance with NFPA 72.</u> Temporal 3 notification pattern is required. NFPA 72, section 6.8.6.4.1. e. When two or more audible and/or visible appliances can be heard and/or seen, synchronization is required. NFPA 72. section 6.8.6.4.3. f.Audibility and visibility of notification appliances will be field verified at time of acceptance testing to ensure
- 3. Fire Alarm System and all components shall conform to NFPA 72 minimum standards and shall be reviewed and approved by the Fire Department prior to installation. Stamped, approved plans and permit must be kept on site for the Fire Inspector. IFC 907.1.1, 105.3.5 a. Fire Alarm contractor must pick up submittal packet from Fire Dept prior to submittal. b. <u>Completed packet must be included with all Fire Alarm plan submittals.</u>

4. Detectors shall not be installed until after the construction cleanup of all trades is complete and final. NFPA 72,

5. Smoke detectors for door release service shall be per NFPA 72, section 5.14.6.

c. Fire Alarm to be monitored by an approved and UL listed central station.

6. Duct Detector required in return air supply for all systems over 2000 CFM. IMC 606.2.2. Duct smoke detectors shall be connected to the building's fire alarm control panel when a fire alarm system is provided. Actuation of a smoke detector shall activate a visible and an audible signal in an approved location. IFC 907.12 Remote reset for duct detectors required in all buildings with an alarm panel. NFPA 72, section 5.14.5.8 OTHER FIRE PROTECTION SYSTEMS

1. Indicate hand portable fire extinguisher rating and location on plan. NFPA 10 - 'K" for Commercial Kitchen IFC 904.11.5

- OTHER 4A: 60B: C 2. Type I Hood Required (IFC 609)
- An automatic fire extinguishing system is required for the protection of commercial cooking equipment and all hood, duct, plenum and cooking surfaces. a. Hood & Duct requires separate application, plans, specs, approval, fee and permit. b. System shall comply with U.L. 300 1994 standards per manufacturer's installation requirements and specs. System shall meet all NFPA 17A, IFC, IBC and IMC requirements. System shall meet NFPA 13, section 7.9 requirements, if this application option is utilized.

3. Hood system shall initiate a zone alarm at the fire alarm panel in all sprinklered and/or alarmed buildings. NFPA 72, section 5.11, IFC 907.14 OTHER FIRE DEPARTMENT REQUIREMENTS

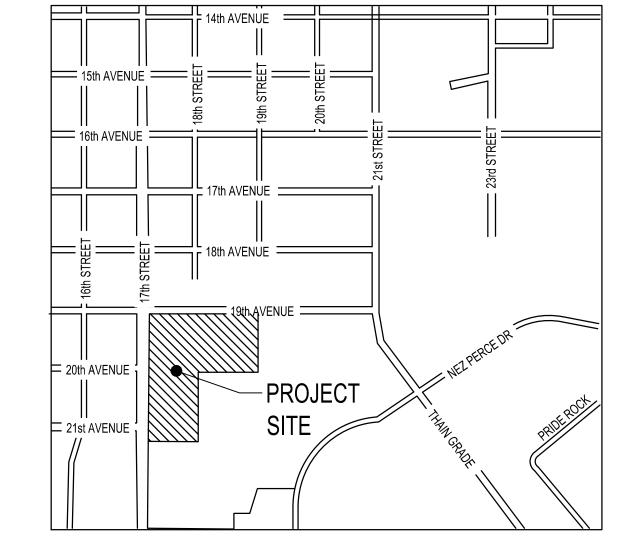
1. ELECTRICAL ROOM, sign required on electrical room door. Sign shall be constructed of durable material, red in color with white lettering no less than 2 inches tall. Stickers and other paper type signs are not acceptable. IFC 605.3.1 2. F.A.C.P. ROOM, sign required on alarm control panel room door. Sign shall be constructed of durable material, red in color with white lettering no less than 2 inches tall. Stickers and other paper type signs are not acceptable. IFC

3. SPRINKLER RISER ROOM, sign required on riser room door. Sign shall be constructed of durable material, red in

color with white lettering no less than 2 inches tall. Stickers and other paper type signs are not acceptable. IFC

- 4. Occupant load sign shall be posted in every room/space that is an assembly occupancy. The sign shall be posted in a conspicuous place, near the main exit from the room or space. Approved occupant load signs are available from the Lewiston Fire Department Fire Prevention Division. IFC 1003.2.2.5
- INSPECTIONS ARE TO BE REQUESTED THROUGH THE FIRE DEPARTMENT (208 743-3554), PLEASE BE SPECIFIC AS TO TYPE OF INSPECTION REQUESTED. 6. Project shall comply with the provisions of IFC 105.3.6 Compliance with code. ______

5. All site inspections require a minimum 24 hours' notice. ALL FIRE DEPARTMENT



VICINITY MAP

SHEET INDEX				
SHEET NO. SHEET REF.		SHEET DESCRIPTION		
1	GN-01	GENERAL NOTES		
2	EC-01	EROSION CONTROL PLAN AND DETAILS		
3	DM-01	DEMOLITION PLAN		
4	DM-02	POST DEMOLITION PLAN		
5	SP-01	SITE PLAN		
6	HC-01	HORIZONTAL CONTROL PLAN		
7	PV-01	PAVING PLAN		
8	PV-02 PAVING DETAILS			
9	CG-01	OVERALL GRADING PLAN		
10	CG-02	WALL PROFILE		
11	SD-01	OVERALL STORM DRAINAGE PLAN		
12	SD-02	STORMWATER PROFILES		
13	SD-03	STORM STORAGE DETAILS		
14	UT-01	OVERALL UTILITY PLAN		
15	UT-02	DETAILS		
16	LS-01	NORTH LANDSCAPE PLAN		
17	LS-02	SOUTH LANDSCAPE PLAN		
18	LS-03	NORTH IRRIGATION PLAN		
19	LS-04	SOUTH IRRIGATION PLAN		
20	LS-05	DETAIL SHEET		

ALL LITH ITY THENCHES & STRUCTURES	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.
. ALL UTILITY TRENCHES & STRUCTURES					
RENCH 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 (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	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].	
st FOOT [12"] OF FILL OVER PIPE	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	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].	
RENCH BACKFILL UNDER PROPOSED ROAD & SIDEWALK	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	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].	
RENCH BACKFILL UNDER EASEMENT / ION-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	
. STORM DRAIN MAINS					
SASKETED PE Storm Sewer Pipe	Polyethylene, ADS N-12 or Equal		Certified & Visual by City		Certified & Visual by City
ALIGNMENT AND GRADE OINTS (Deflection/Proper Pipe Embedment)	N/A N/A	Per Manufacturer's Instructions Per Manufacturer's Instructions		Per Plan 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	B 15 W 1 B 5 N 0040 0	N/A	Certified & Visual by City
/IDEO INSPECTION	N/A		Public Works Policy No 2012-2		
. WATER MAINS					
OUCTILE IRON or PVC WATER MAIN ALIGNMENT AND GRADE	AWWA C-151, C-900, C-905 (Class as Req'd)	AMARALA C. COO. AMARALA C. COF.	Certified & Visual by City	Per Plan	Certified & Visual by City
OINTS (Deflection/Proper Pipe Embedment)	N/A N/A	AWWA C-600, AWWA C-605 AWWA C-600, AWWA C-605		Each Joint	
HRUST BLOCKS	Concrete, 2500 PSI Mix	Per Approved Plans/or City Std Dwg # 4-4		Each Joint	Certified & Visual by City
		2 Hrs, NTE Allowable Leakage Per AWWA C-600, AWWA		150% Working Pressure OR 1½ times the Working Pressure	
YDROSTATIC PRESSURE	N/A	C-605		in the Water System	
CHLORINATION/BACTERIA	N/A	AWWA C-651		Bacterial Testing: two negative testing samples 24 hours apart	City of Lewiston
N. WASTEWATER MAINS PVC WASTEWATER MAIN	PVC. SDR 35	ASTM 3034		N/A	
ALIGNMENT AND GRADE	N/A	N/A		Per Plan	
OINTS (Deflection/Proper Pipe Embedment)	N/A	Per Manufacturer's Instructions		Each Joint	
MANHOLES PRESSURE TEST	Concrete N/A	Hydrostatic Test 4 PSI for 15 Minutes, 1/2 PSI Drop		Each Joint Between Access Holes	
			Dublic Wada Dallan N. 2040 0		
/IDEO INSPECTION	N/A	No Perforations, Dents or Dimples, No Bellies > 0.02'	Public Works Policy No 2012-2	Between Access Holes	
. CONCRETE CURB, GUTTER & SIDEWALK		AAGUTO T 22 Comment of Comment of Comment	M. 00 I C		
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 Freshl	Min. 28 day Compressive Strength = 3000 psi; Water/Cement Ratio shall be 0.5 lb/lb Max. Slump = 5 inches Air Content Percent = 6.0% ± 1.5 Temperature = 50°F - 80°F	1 of Each Test Minimum per Day, or 1 of Each Test per 50 CY	
ALIGNMENT AND GRADE	N/A	Visual	± 0.02' from Design Grade/Alignment		City Approval
OINTS/FLATNESS/STRAIGHTNESS INISH	N/A N/A	Visual Visual	± 0.02'/10' Segment Floated, Uniform, Light Broom Finish	Per 10' Section Entire Surface Area	
			,, _igns &.oom r infor		
. ASPHALTIC CONCRETE PAVING		AASHTO T 166, Method C, Specific Gravity of HMA			
HOT MIX ASPHALT	ITD Class II 1/2" - Appv'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	1Test 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	
MOONED AGGNESAME BAGE GOOKGE	, 10 0 F 7 5 5 1 1 1 1 1 0 0 0 0 0 - 0 0 . 0]				
. EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plan and Manufacturers' Instructions		1/Wk or After Every Rainfall	
. EROSION & SEDIMENT CONTROLS	Per Approved Plan				
		Per Plan and Manufacturers' Instructions Current Adopted MUTCD/ATSSA		1/Wk or After Every Rainfall Continuous	

BENCHMARK PK NAIL LOCATED NEAR THE SW CORNER OF BUILDING, AS IDENTIFIED ON SHEET 2 OF ALTA SURVEY BY KM ENGINEERING, OCT. 4, 2013 (NAVD 88 DATUM) AUGUST 17, 1999.

Date Last: Revised February 2013

BASIS OF BEARING BASIS OF BEARING IS THE ALTA/ACSM SURVEY FOR THE LEWISTON CENTER PARTNERSHIP BY DANIEL L. HAYHURST, PLS 9365 DATED

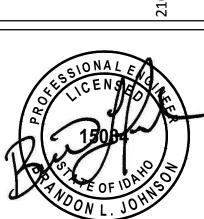
CALL BEFORE YOU DIG THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING TH UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

REVISIONS \ ON−SITE CCD 001 <u>···</u> xx /xx /xx

1816.04

DRAWN HURTADO CHECKED **B JOHNSON** SUBMITTAL DATES 1/27/14 OTB DATE 02/10/14



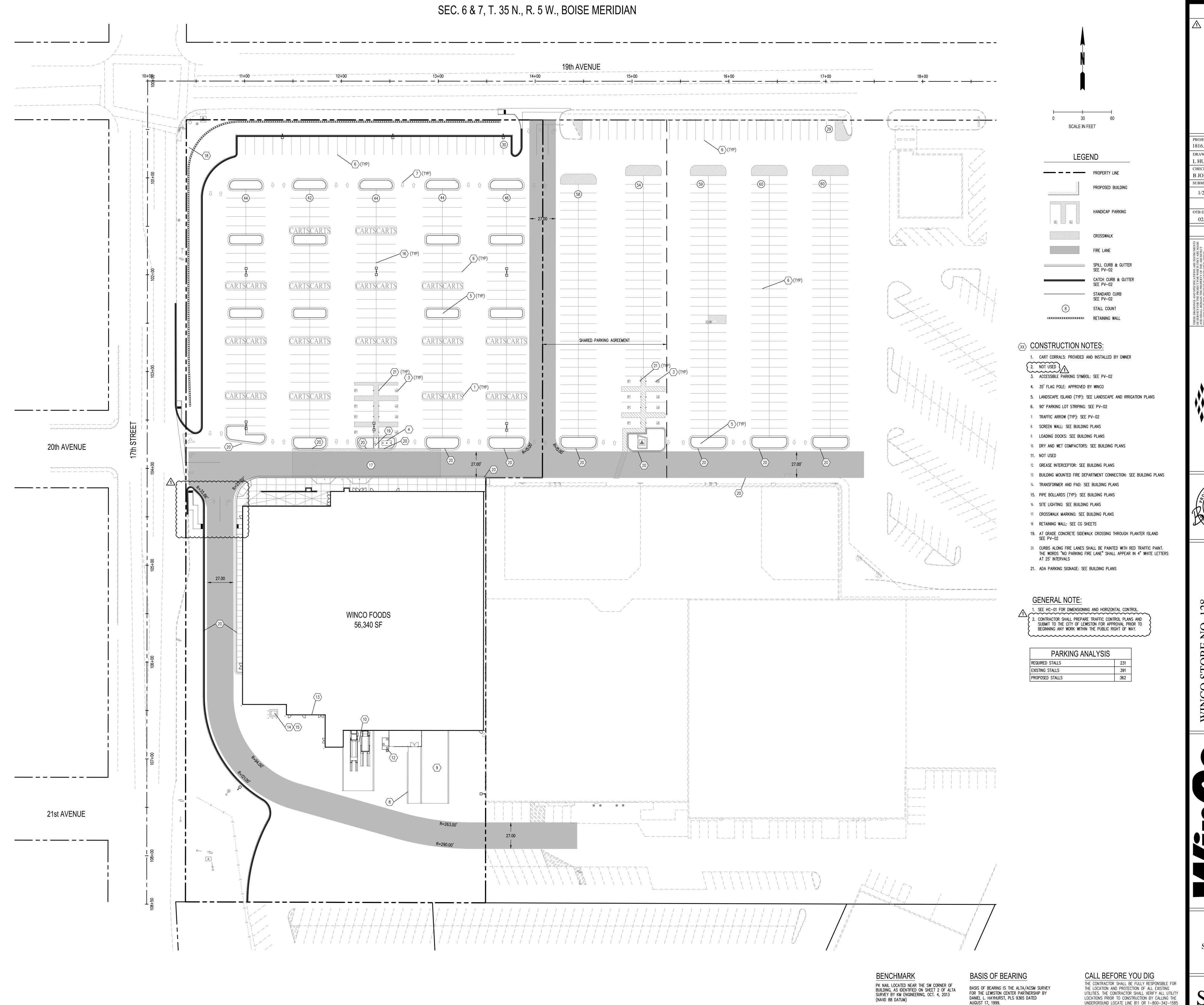


S. Z

SHEET TITLE

GENERAL NOTES

SHEET



UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585

A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

ON-SITE CCD 001

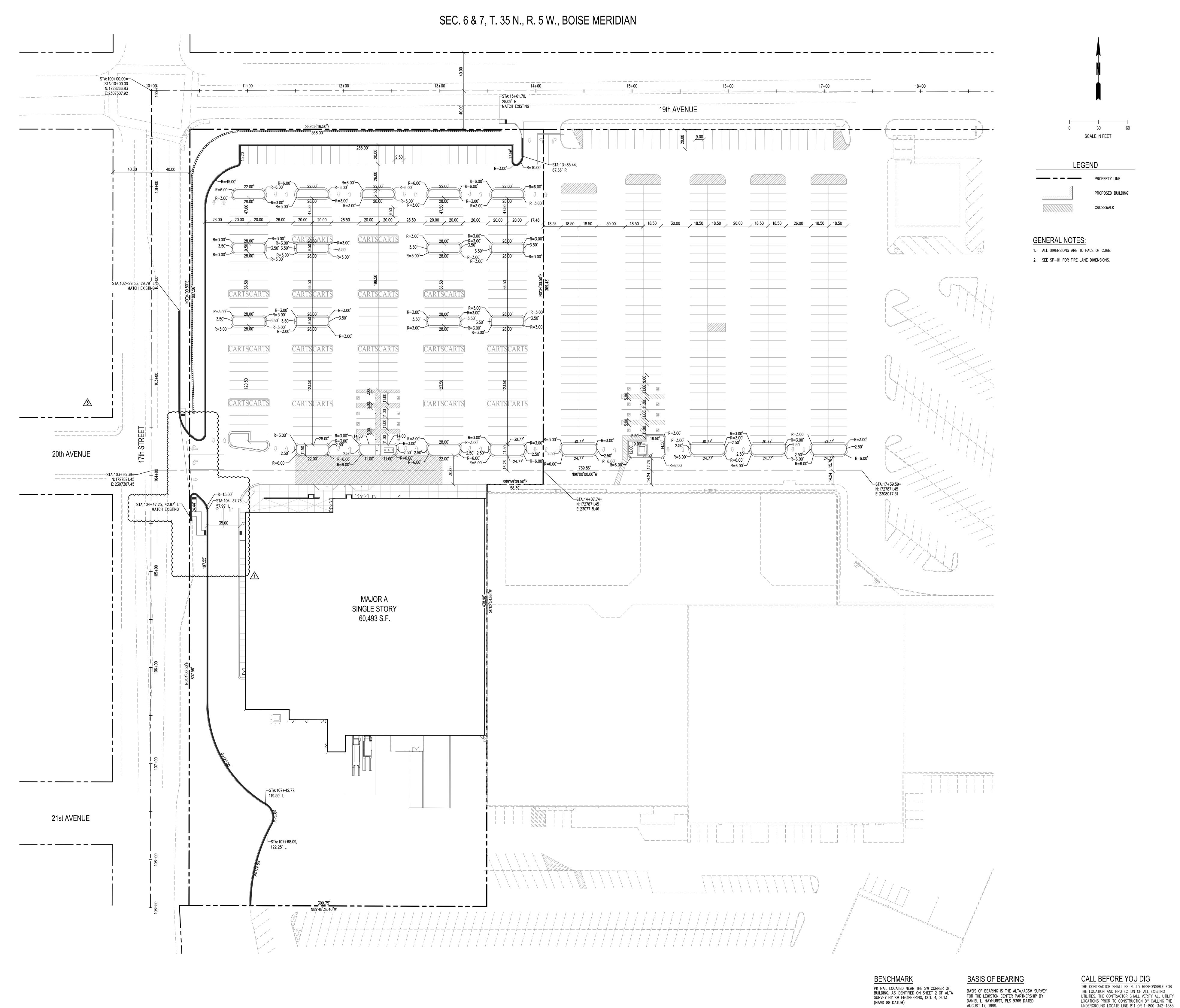
PROJECT NO. DRAWN L HURTADO CHECKED B JOHNSON SUBMITTAL DATES 1/27/14

OTB DATE 02/10/14



SHEET TITLE

SITE PLAN



ON-SITE CCD 001
XX/XX/XX

PROJECT NO.

DRAWN
L HURTADO
CHECKED
B JOHNSON
SUBMITTAL DATES

OTB DATE 02/10/14

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CJ ALLIANCES

CONSULTING SERVICES



VINCO STORE NO. 128
.E.C. 19TH AVE. & 17TH ST.

SHEET TITLE

HORIZONTAL CONTROL PLAN

HC-01

UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

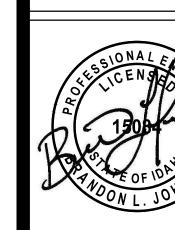
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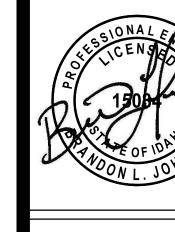
PROJECT NO 1816.04

L HURTADO **B JOHNSON** SUBMITTAL DATES 1/27/14

OTB DATE

02/10/14



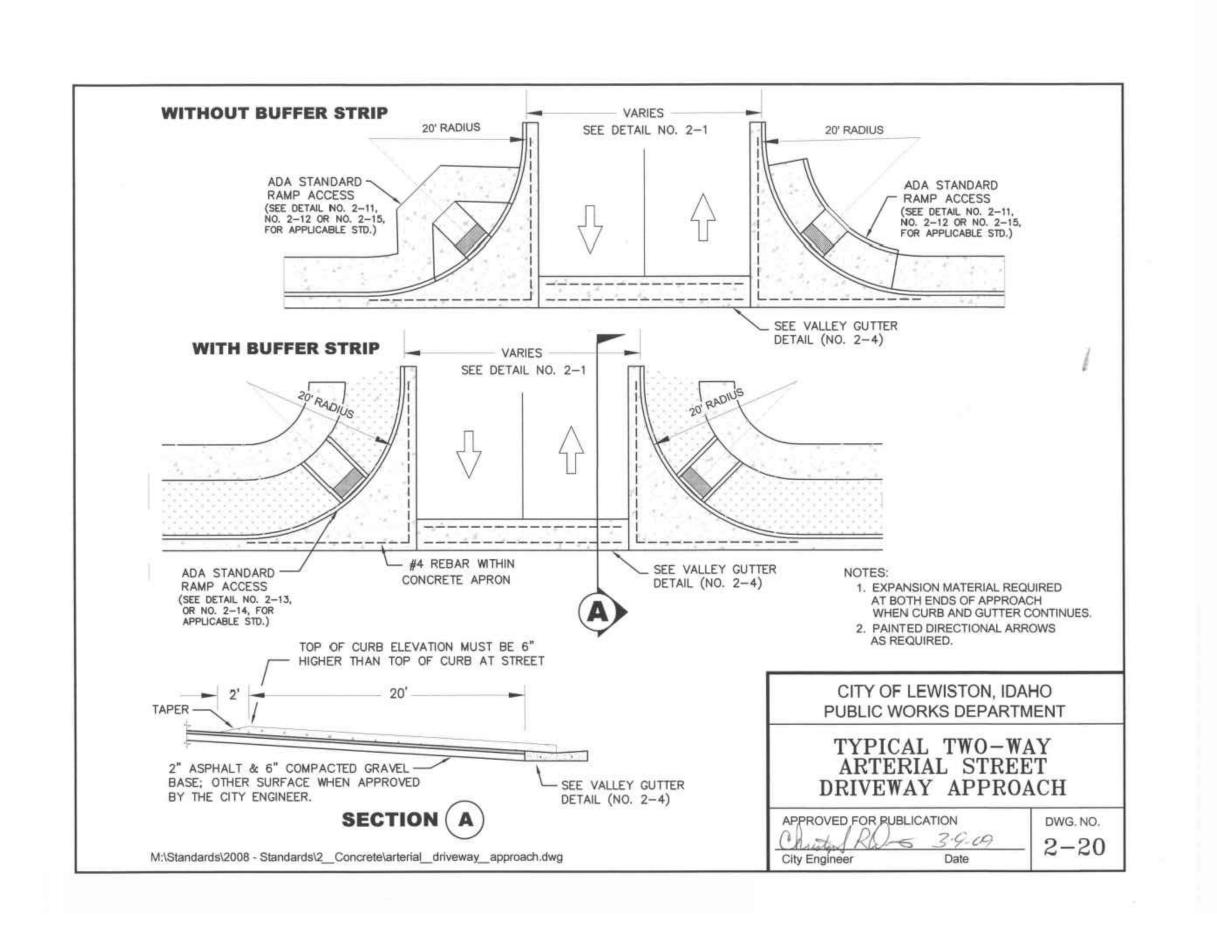


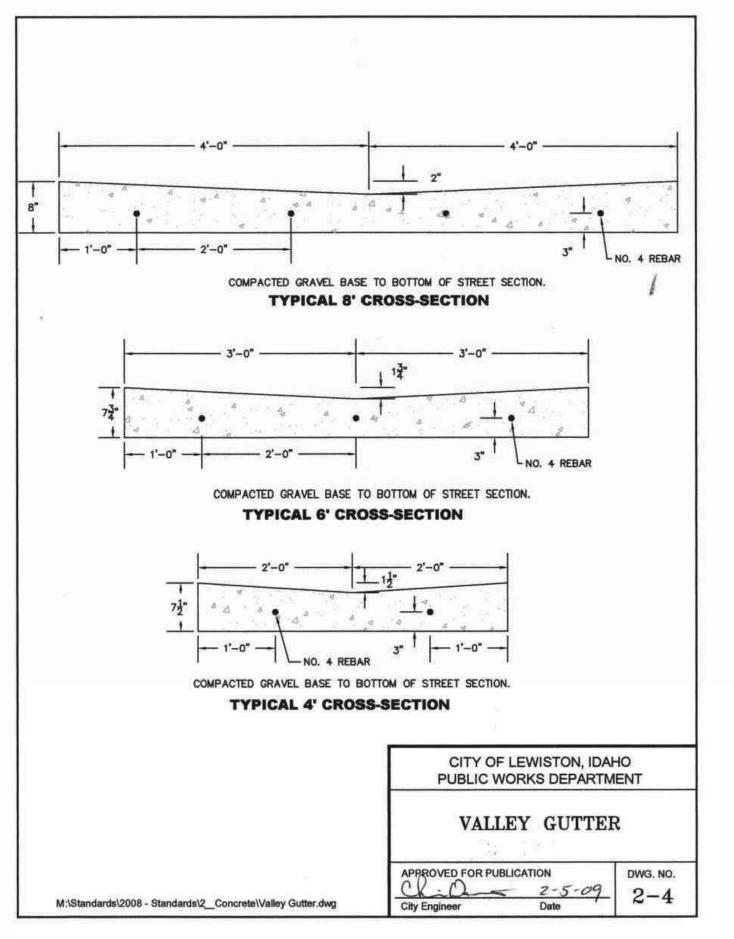
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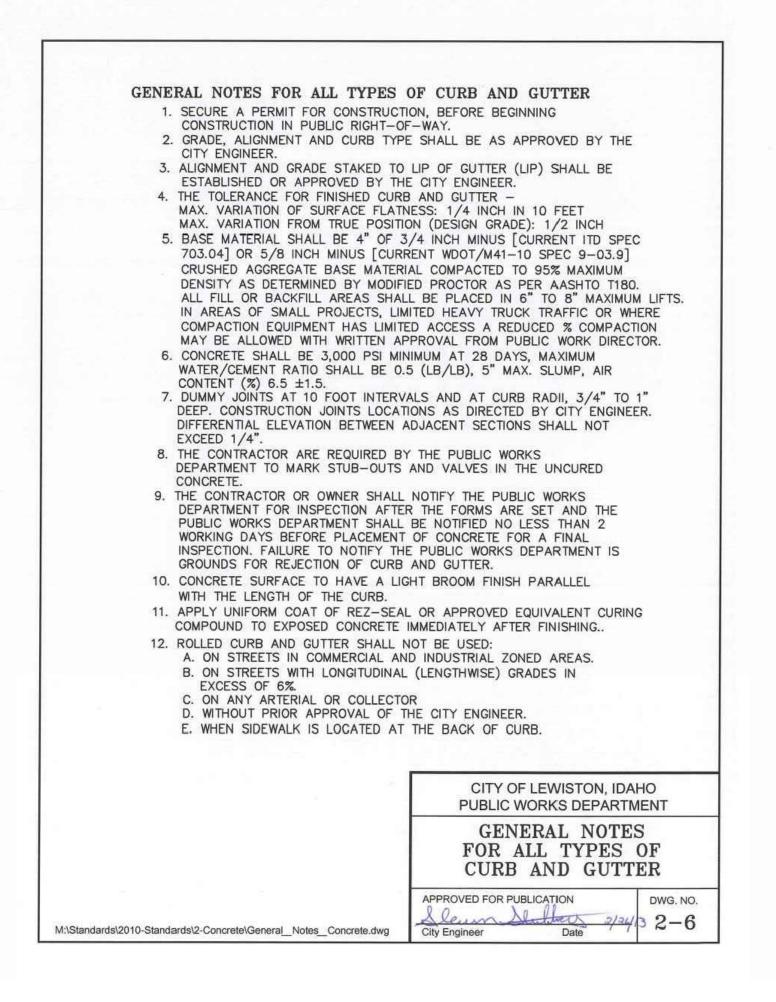
PAVING PLAN

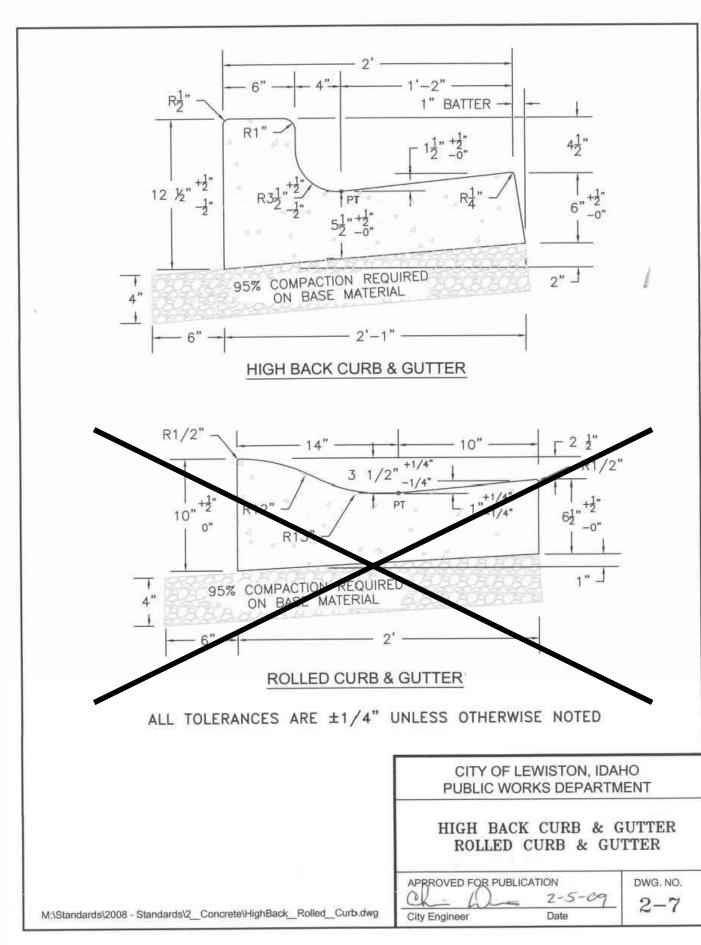
UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

AUGUST 17, 1999.

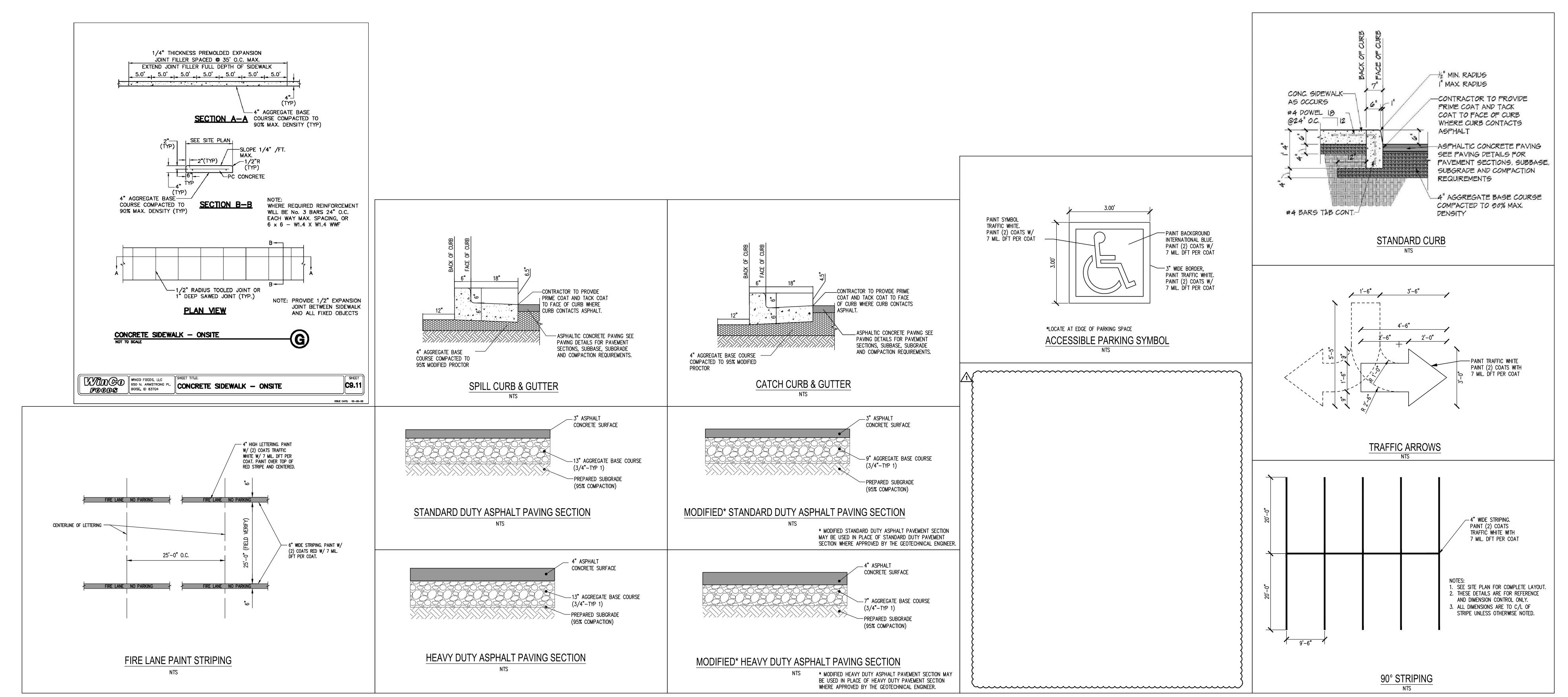








OFF-SITE PAVING DETAILS ON-SITE PAVING DETAILS



BENCHMARK PK NAIL LOCATED NEAR THE SW CORNER OF BUILDING, AS IDENTIFIED ON SHEET 2 OF ALTA SURVEY BY KM ENGINEERING, OCT. 4, 2013 (NAVD 88 DATUM)

BASIS OF BEARING BASIS OF BEARING IS THE ALTA/ACSM SURVEY FOR THE LEWISTON CENTER PARTNERSHIP BY DANIEL L. HAYHURST, PLS 9365 DATED AUGUST 17, 1999.

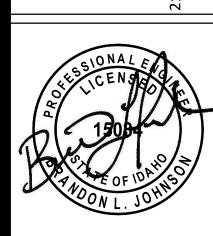
CALL BEFORE YOU DIG THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

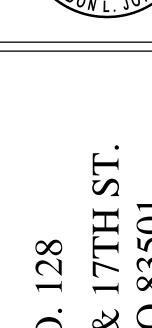
REVISIONS ON-SITE CCD 001 ____ XX\XX\XX

> PROJECT NO. 1816.04 DRAWN L HURTADO CHECKED **B JOHNSON** SUBMITTAL DATES 1/27/14

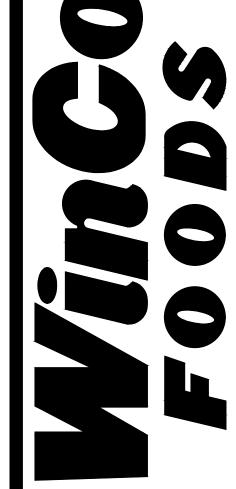
02/10/14

OTB DATE





WII S.E. LEV



SHEET TITLE

PAVING DETAILS

SHEET

ON-SITE CCD 001

PROJECT NO.
1816.04
DRAWN

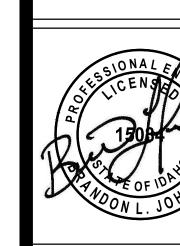
L SATER
CHECKED
B JOHNSON
SUBMITTAL DATES
1/27/14

OTB DATE

02/10/14

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ALLIANCE SERVICES
TEH, OLYMPIA, WASHINGTON 98502
1465 F: 360-352-1509



INCO STORE NO. 128

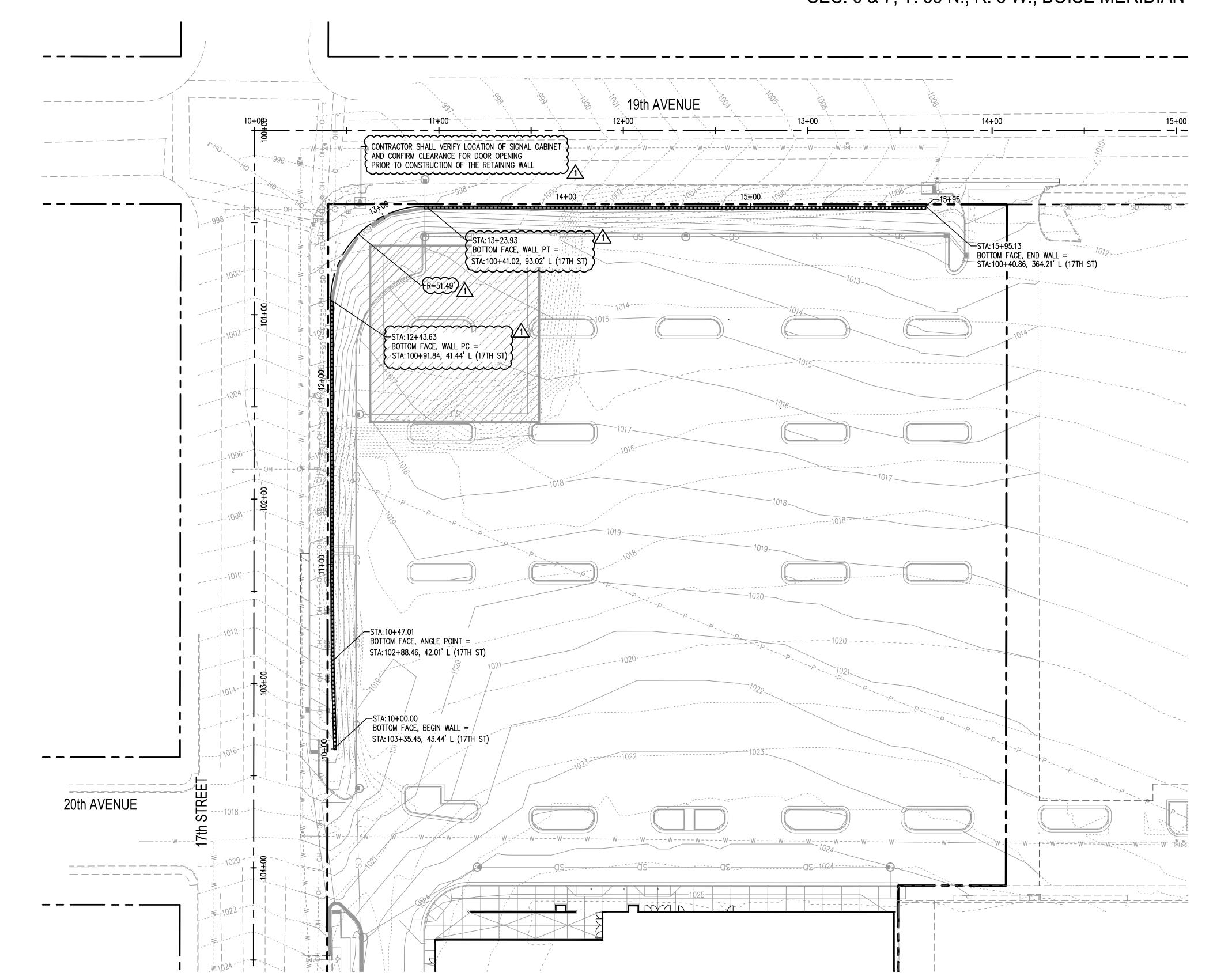
E.C. 19TH AVE. & 17TH ST.

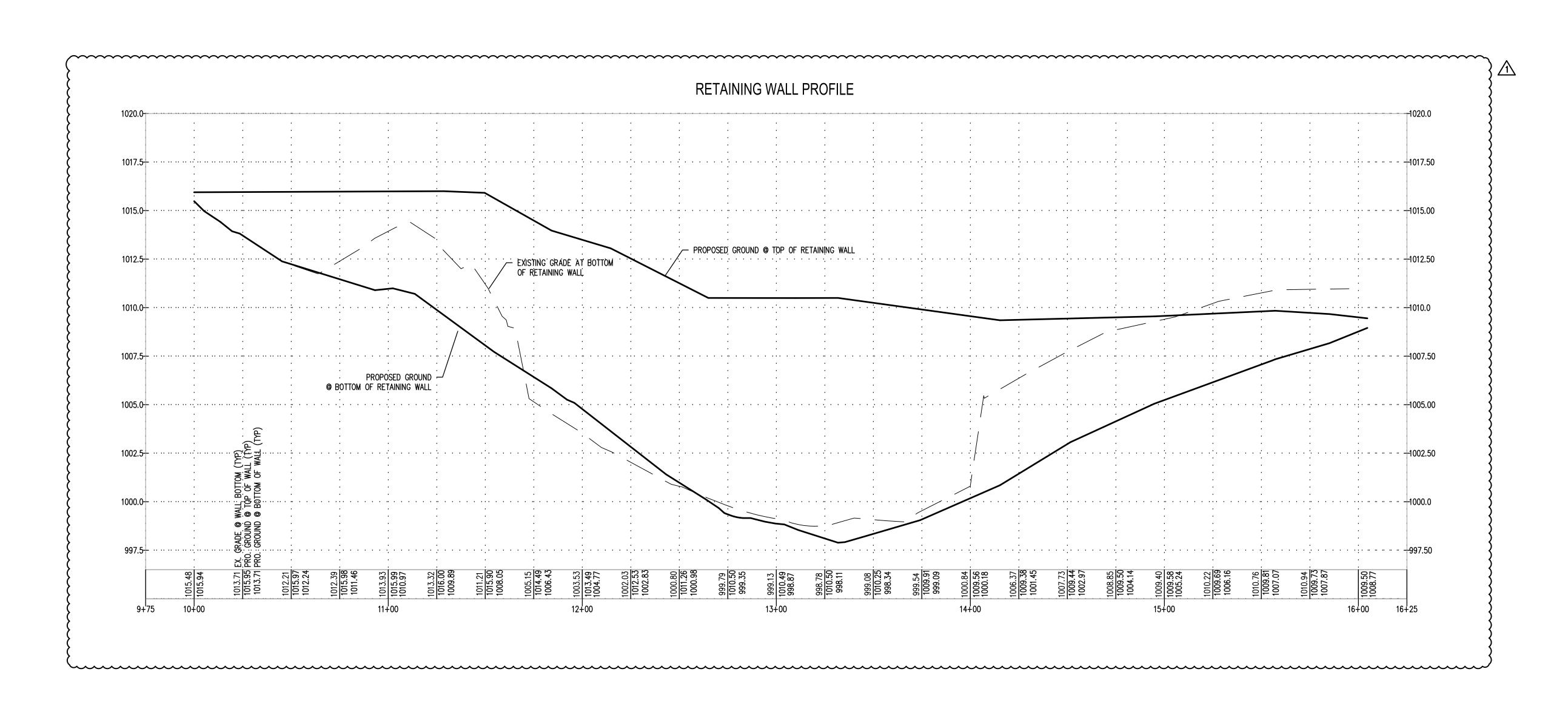
SHEET TITLE

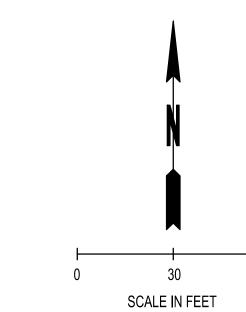
OVERALL GRADING PLAN

SHEET CG-01

UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.







WALLS SHOWN ARE FOR REFERENCE THE CONTRACTOR.

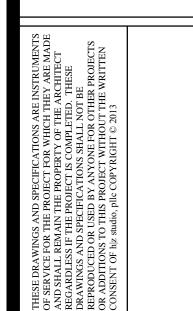
LEG	LEGEND				
XX	EXISTING MAJOR CONTOUR				
XXX	EXISTING MINOR CONTOUR				
XX -	PROPOSED MAJOR CONTOL				
XX	PROPOSED MINOR CONTOU				
	RETAINING WALL				

L SATER **B JOHNSON** SUBMITTAL DATES OTB DATE

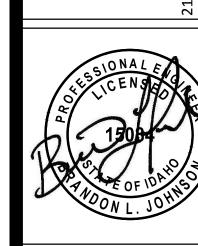
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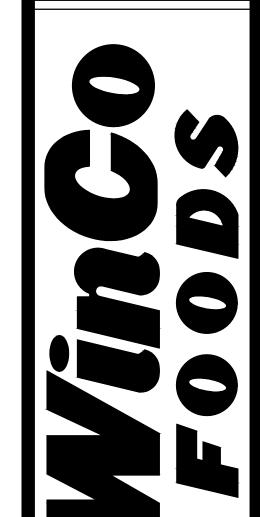
REVISIONS

ON-SITE CCD 001 3/3/14









SHEET TITLE

WALL PROFILE

ON-SITE CCD 001

PROJECT NO.
1816.04

DRAWN

L SATER

CHECKED

B JOHNSON

SUBMITTAL DATES

1/27/14

OTB DATE

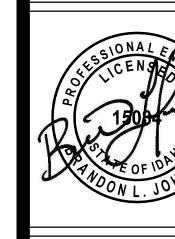
02/10/14

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VINCO STORE NO. 128

E.C. 19TH AVE. & 17TH ST.

SHEET TITLE

OVERALL

STORM

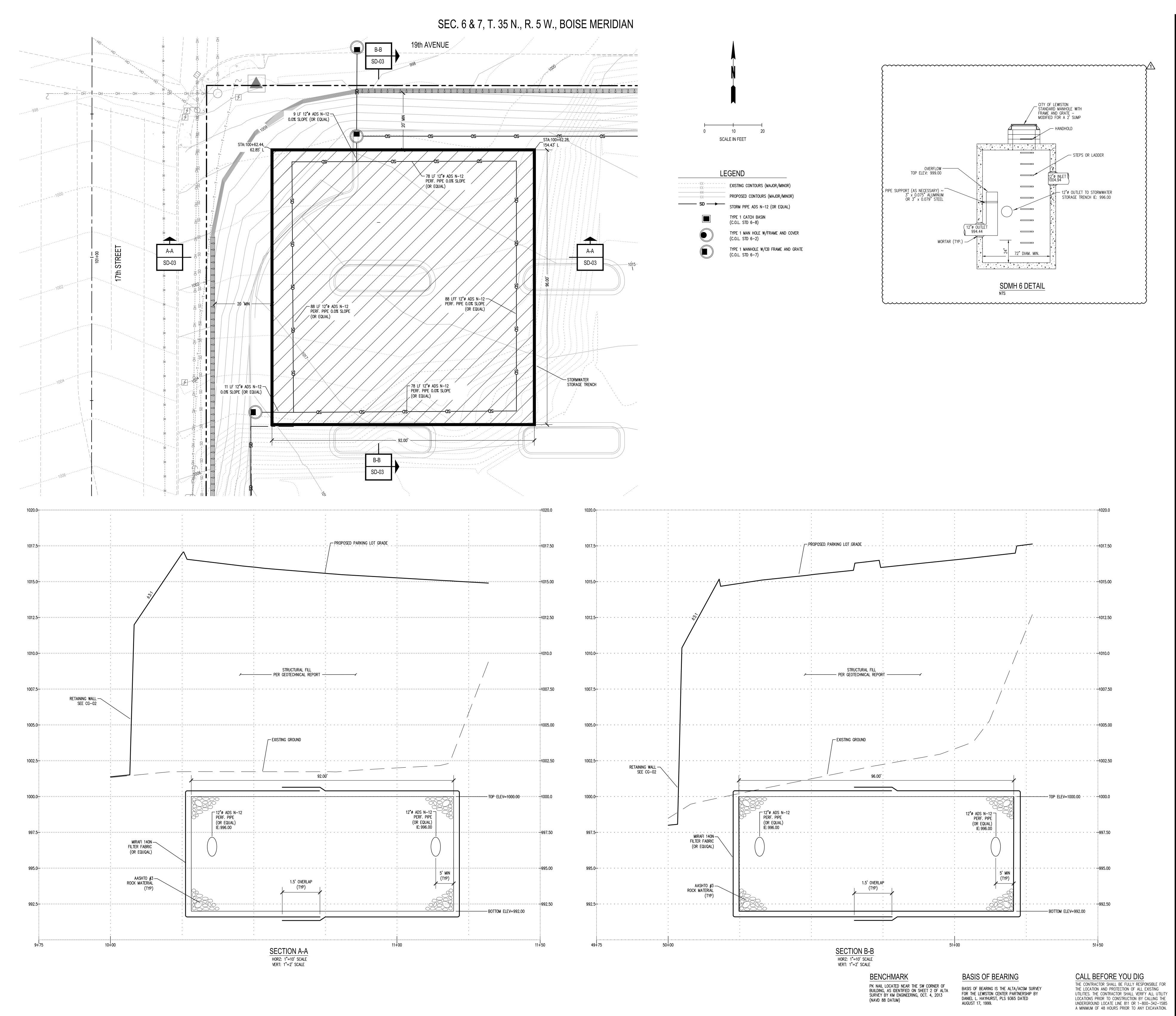
DRAINAGE

PLAN

SHEET
SD-01

UNDERGROUND LOCATE LINE 811 OR 1-800-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

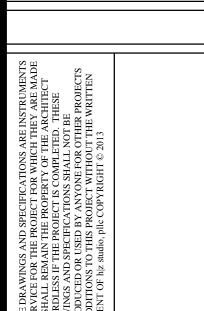
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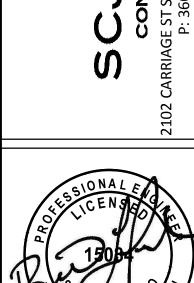


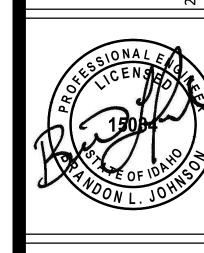
ON-SITE CCD 001

PROJECT NO. 1816.04 DRAWN L SATER CHECKED **B JOHNSON** SUBMITTAL DATES 1/27/14 OTB DATE

02/10/14

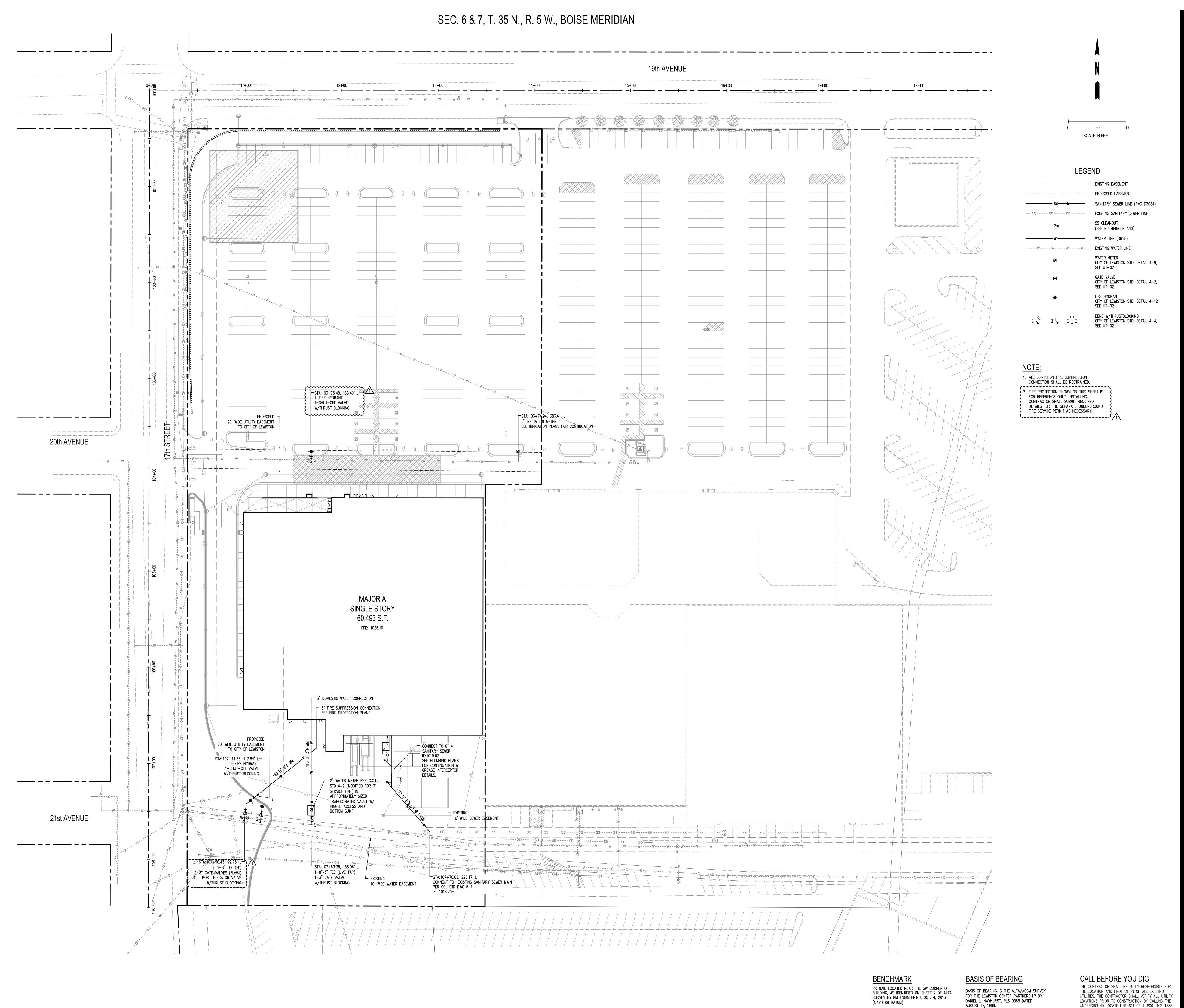






SHEET TITLE STORM STORAGE

DETAILS



ON-SITE CCD 001

PROJECT NO 1816.04 L SATER **B JOHNSON** SUBMITTAL DATES

OTB DATE 02/10/14



SHEET TITLE

OVERALL UTILITY PLAN

A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.