

[illegible]

2882 Hawaii City Plaza NOTE/HIDA, OKAMOTO & ASSOCIATES, INC.

WATER NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION OF WATER SYSTEM FACILITIES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CITY AND COUNTY OF HONOLULU BOARD OF WATER SUPPLY'S "WATER SYSTEM STANDARDS", DATED 2002, THE "WATER SYSTEM EXTERNAL CORROSION CONTROL STANDARDS", VOLUME 3, DATED 1991, AND ALL SUBSEQUENT AMENDMENTS ADDITIONS.

2. NUTS AND BOLTS FOR FLANGE CONNECTIONS WITHIN METER BOXES SHALL BE BRONZE OR STAINLESS STEEL EXCEPT COUPLING ADAPTERS WHERE "COR-TEN" (U.S. STEEL) OR "MAYARI" (BETHLEHEM STEEL) MAY BE USED. FLANGE CONNECTIONS OUTSIDE OF METER BOX MAY USE "COR-TEN" OR "MAYARI" TYPE NUTS AND BOLTS.

3. TEST PRESSURE SHALL BE ONE OF THE FOLLOWING:

A. PREVAILING LINE PRESSURE, JOINTS LEFT EXPOSED FOR 24 HOURS TO CHECK FOR LEAKS PRIOR TO BACKFILL.

B. 150 PSI. DURING THE 30-MINUTE PRESSURE TEST, THE PRESSURE SHALL NOT DROP MORE THAN 10 PSI.

4. THE CONTRACTOR SHALL CHLORINATE THE ENTIRE INSIDE SURFACE OF EACH PIPE AND FITTING WITH DISINFECTION SOLUTION OF 5 OUNCES OF SODIUM HYPOCHLORITE MIXED WITH 10 GALLONS OF WATER. (FOR CONNECTION ONLY)

5. THE PROJECT SHALL PAY THE APPLICABLE WATER SYSTEM FACILITIES AND/OR ONE-TIME SERVICE CHARGE AND FOR THE METER WHICH WILL BE FURNISHED BY BWS AND INSTALLED BY THE CONTRACTOR WHEN THE LATERAL IS INSTALLED.

6. THE CONTRACTOR SHALL NOTIFY BWS CAPITAL PROJECTS DIVISION, CONSTRUCTION SECTION IN WRITING AND SUBMIT SIX (6) SETS OF APPROVED CONSTRUCTION PLAN ONE WEEK PRIOR TO COMMENCING WORK ON THE WATER SYSTEM.

7. CONTRACTOR SHALL CUT AND PLUG ALL EXISTING UNUSED LATERALS AT THE MAIN WHETHER OR NOT SHOWN ON THE PLANS. METER AND VALVE BOXES TO BE OR ALREADY ABANDONED SHALL BE DEMOLISHED OR REMOVED AND PROPERLY DISPOSED OF. THE DAMAGED AREA SHALL BE REPAIRED TO AN EQUAL OR BETTER CONDITION THAN THE IMMEDIATE AREA. ALL WORK SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.

8. AFTER INSTALLATION OF TAPPING SLEEVE AND VALVE PRIOR TO ACTUAL TAPPING OPERATIONS, THE ASSEMBLY SHALL BE TESTED AT 150 PSI ON BOTH SIDES OF THE VALVE.

9. ALL PLANS APPROVED BY THE BOARD OF WATER SUPPLY ARE BASED SOLELY ON THE ADEQUACY OF THE WATER SUPPLY.

10. FOR METERS 3 INCHES AND LARGER (COMPOUND, F.M. AND DETECTOR CHECK), CONTRACTOR SHALL NOTIFY CUSTOMER CARE DIVISION - SERVICE ENGINEERING SECTION IN WRITING AFTER THE PLAN IS APPROVED, NO LATER THAN 120 DAYS, PRIOR TO WITHDRAWING METER FROM BWS STOREYARD. SUCH NOTICE SHALL INDICATE NUMBER, SIZE, AND TYPE OF METER (COMPOUND, F.M. OR DETECTOR CHECK) AND APPROXIMATE MONTH AND YEAR METER IS ANTICIPATED TO BE DRAWN OUT. IF THE APPROVED PLAN IS ALLOWED TO LAPSE, THE 120-DAY NOTICE WILL BE VOIDED.

11. BOARD OF WATER SUPPLY APPROVAL OF THESE PLANS DOSE NOT CONSTITUTE A WATER COMMITMENT. AVAILABILITY OF WATER WILL BE DETERMINED WHEN BUILDING PERMIT IS PRESENTED TO THE DEPARTMENT. WATER COMMITMENT WILL DEPEND UPON THE STATUS OF THE WATER SYSTEM AT THAT TIME. SHOULD WATER SERVICE BE MADE AVAILABLE, THE WATER COMMITMENT WILL BE EFFECTIVE WHEN THE PROJECT RECEIVES AN APPROVED BUILDING PERMIT FROM THE BUILDING DEPARTMENT. ALL WATER COMMITMENTS WILL BE CANCELED IN THE EVENT THE BUILDING PERMIT IS CANCELED.

12. THE PROJECT SHALL BE SUBJECT TO THE BOARD OF WATER SUPPLY'S CROSS-CONNECTION CONTROL REQUIREMENTS PRIOR TO ISSUANCE OF THE BUILDING PERMIT.

13. THE INSTALLATION, CHLORINATION AND TESTING OF THE WATER MAIN AND FACILITIES AFTER THE METER SHALL NOT BE THE RESPONSIBILITY OF THE BOARD OF WATER SUPPLY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL WATER LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE ESPECIALLY CAREFUL WHEN EXCAVATING BEHIND WATER LINES, TEES AND BENDS WHEREVER THERE IS A POSSIBILITY OF WATER LINE MOVEMENT DUE TO THE REMOVAL OF THE SUPPORTING EARTH BEYOND THE EXISTING REACTION BLOCKS. THE CONTRACTOR SHALL TAKE WHATEVER MEASURES NECESSARY TO PROTECT THE WATER LINES, SUCH AS CONSTRUCTING SPECIAL REACTION BLOCKS (WITH BWS APPROVAL) AND/OR MODIFYING HIS CONSTRUCTION METHOD.

15. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM THE LATEST AVAILABLE DATA BUT IS NOT GUARANTEED AS TO THE ACCURACY OR THE ENCOUNTERING OF OTHER OBSTACLES DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOT ASSUME THAT WHERE NO UTILITIES ARE SHOWN, THAT NONE EXIST.

16. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY BOARD OF WATER SUPPLY, THE MANUFACTURER'S CERTIFICATION THAT ALL CAST IRON (GRAY OR DUCTILE) FITTINGS FOR THE PROJECT CONFORM IN ALL RESPECTS TO THE WATER SYSTEM STANDARDS, DATED 2002.

17. POLYGON SHAPE FOR MECHANICAL JOINT GLANDS AS DESCRIBED IN ~~AWWA~~ STANDARD C111 SHALL BE "STRAIGHT-SIDED" OR AN APPROVED EQUAL ON A JOB-TO-JOB BASIS.

18. RE-APPROVAL SHALL BE REQUIRED IF THIS PROJECT IS NOT UNDER CONSTRUCTION WITHIN A PERIOD OF TWO (2) YEARS.

19. THE BACKFLOW PREVENTER DEVICE MUST BE INSTALLED BEFORE METER IS ISSUED.

20. THE CONTRACTOR/DEVELOPER SHALL OBTAIN A ~~NPDES~~ PERMIT PRIOR TO CHLORINATION AND/OR DEWATERING. A COPY OF THE PERMIT SHALL BE SUBMITTED TO THE BOARD OF WATER SUPPLY, CAPITAL PROJECTS DIVISION, CONSTRUCTION SECTION.

21. PIPE CUSHION SHALL BE OF HIGH RESISTIVITY MATERIAL. THE CONTRACTOR SHALL SUBMIT A SOIL CERTIFICATION THAT HIGH RESISTANT CUSHION MATERIAL HAS A RESISTIVITY GREATER THAN 5,000 OHM-CM. REMAINDER OF THE BACKFILL MATERIAL SHALL BE AS SPECIFIED IN THE WATER SYSTEM STANDARDS. PIPE CUSHION AND BACKFILL MATERIAL SHALL CONTAIN NO HAZARDOUS SUBSTANCES ABOVE REGULATORY ACTION LEVELS INCLUDING BUT NOT LIMITED TO LEAD, ASBESTOS, MERCURY, CHROMIUM, CADMIUM, ZINC, STRONTIUM, AND POLYCHLORINATED BIPHENYLS (PCB).

22. INSTALL 4 MIL THICK, NON-METALLIC, BLUE COLORED, 6 INCHES WIDE WARNING TAPE OVER CENTERLINE OF THE PIPE AND BELOW THE BASE COURSE ALONG THE ENTIRE LENGTH OF TRENCH. TAPE SHOULD BE MARKED WITH "CAUTION WATER LINE BURIED BELOW".

SEWER NOTES

1. ALL SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1986, STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1984, AS AMENDED, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU AND THE COUNTIES OF KAUAI, MAUI AND HAWAII, CURRENT CITY PRACTICES, THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED, AND THE DESIGN STANDARDS OF THE DEPARTMENT OF WASTEWATER MANAGEMENT, VOL. 1, JULY 1993.

2. IN THE EVENT THAT ANY CHANGE IN ALIGNMENT OR GRADE FOR THE PROPOSED SEWERS ARE REQUIRED DUE TO UNFORESEEN CONFLICT WITH OTHER UTILITIES, THE ENGINEER IN CHARGE OR THE MAKER OF THE PLANS SHALL BE RESPONSIBLE FOR THE REQUIRED CHANGES WHICH ARE TO BE PRESENTED TO THE DEPARTMENT OF PLANING AND PERMITTING FOR APPROVAL.

3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGEMENT BRANCH, WASTEWATER DIVISION, DDC, AT 768-8772 OR 768-8841 TO ARRANGE FOR INSPECTION SERVICES AND SUBMIT FIVE (5) SETS OF APPROVED CONSTRUCTION PLANS SEVEN (7 DAYS) PRIOR TO COMMENCEMENT OF SEWER WORK. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION COSTS.

4. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS RESEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE FACILITIES, INCLUDING AND AFFECTING SEWER LINES, IN THE PRESENCE OF THE WASTEWATER INSPECTOR AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL PAY FOR ALL DAMAGED UTILITIES.

5. SLOPE FOR SEWER LATERALS SHALL BE 1.00% UNLESS OTHERWISE NOTED.

6. BUILDING PLUMBING FACILITIES SHALL BE CONTROLLED BY SEWER LATERAL INVERTS.

7.THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SEWER SERVICE TO ALL AFFECTED AREAS DURING CONSTRUCTION.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SEWAGE SPILLS CAUSED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE STATE DEPARTMENT OF HEALTH AND UTILIZE APPROPRIATE SAMPLING AND ANALYZING PROCEDURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC NOTIFICATIONS AND PRESS RELEASES.

9. WHEN CONNECTING TO A LIVE SEWER LINE, THE CONTRACTOR SHALL ABIDE BY ALL CONDITIONS THAT THE STATE DEPARTMENT OF HEALTH SETS FORTH TO MITIGATE ANY WASTEWATER SPILL THAT MAY OCCUR. THE CONTRACTOR SHALL INFORM THE CITY INSPECTOR FIVE (5) WORKING DAYS PRIOR TO THE ACTUAL CONNECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES AND PENALTIES DUE TO ANY SPILLS RESULTING FROM THE CONNECTION.

10. TREES IN THE ROAD RIGHT-OF-WAY SHALL BE SITUATED A MINIMUM OF 5'-0" FROM THE CITY'S SEWER LINES.

11. CRUSHED ROCK CRADLE IS PERMITTED WHERE SOIL IS STABLE. IN AREAS OF UNSTABLE SOIL, THE MAKER OF THE PLANS AND THE CONSTRUCTION ENGINEER WILL DETERMINE THE PIPE SUPPORT REQUIRED.

12. SEWER LATERAL SHALL BE CLEAR OF AND NOT CONFLICTING WITH ANY OTHER UTILITY. MINIMUM HORIZONTAL AND VERTICAL CLEARANCES SHALL BE STRICTLY OBSERVED AND FOLLOWED.

13. THE CONSULTING ENGINEER SHALL SUBMIT TO THE DPP MYLAR "AS-BUILT" TRACINGS OF THE CONSTRUCTION PLANS AS ACTUALLY CONSTRUCTED, SHOWING ALL CHANGES FROM THE ORIGINAL PLANS.

14. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR ADVANCE SEWER RISER AGREEMENT AT THE DPP AND OBTAIN BUILDING PERMIT FOR PLUMBING WORK BEFORE ANY ADVANCE RISER IS MADE.

15. CONFINED SPACE

FOR ENTRY BY CITY PERSONNEL, INCLUDING INSPECTORS, INTO A PERMIT REQUIRED CONFINED SPACE AS DEFINED IN 29 CFR PART 1910.146(b), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING:

1. ALL SAFETY EQUIPMENT REQUIRED BY THE CONFINED SPACE REGULATIONS APPLICABLE TO ALL PARTIES OTHER THAN THE CONSTRUCTION INDUSTRY, TO INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

A. ALL FULL BODY HARNESS FOR UP TO TWO PERSONNEL.

B. LIFELINE AND ASSOCIATED CLIPS.

C. INGRESS/EGRESS AND FALL PROTECTION EQUIPMENT.

D. TWO-WAY RADIOS (WALKIE-TALKIES) IF OUT OF LINE-OF-SIGHT.

E. EMERGENCY (ESCAPE) RESPIRATOR (10 MINUTE DURATION)

F. CELLULAR TELEPHONE TO CALL FOR EMERGENCY ASSISTANCE.

G. CONTINUOUS GAS DETECTOR (CALIBRATED) TO MEASURE OXYGEN, HYDROGEN SULFIDE, CARBON MONOXIDE AND FLAMMABLES (CAPABLE OF MONITORING AT A DISTANCE AT LEAST 20-FEET AWAY).

H. PERSONAL MULTI-GAS DETECTOR TO BE CARRIED BY INSPECTOR.

2. CONTINUOUS FORCED AIR VENTILATION ADEQUATE TO PROVIDE SAFE ENTRY CONDITIONS.

3. ONE ATTENDANT/RESCUE PERSONNEL TOPSIDE (TWO, IF CONDITIONS WARRANT IT).

16. IF CONTRACTOR ENCOUNTERS FLOW MONITORING DEVICES SUCH AS SPECIAL SEWER MANHOLE COVER EMBEDDED WITH SOLAR PANELS, NOTIFY C & C OF HONOLULU, ENV-CSM AT 768-7272 TO COORDINATE TEMPORARY REMOVAL.

17. CONTRACTOR SHALL MAINTAIN VISIBILITY AND MAINTENANCE ACCESS TO LIVE SEWER MANHOLE LOCATIONS AT ALL TIMES, INCLUDING DURING NON-WORK HOURS AND PAVING OPERATIONS.

18. CONTRACTOR SHALL USE MANHOLE DEBRIS CATCHING DEVICE WHEN PERFORMING MANHOLE HEIGHT ADJUSTMENT WORK AND REMOVE ANY CONSTRUCTION DEBRIS THAT HAS FALLEN INTO THE MANHOLE. DISPOSAL OF CONSTRUCTION DEBRIS IN THE SEWER SYSTEM IS STRICTLY PROHIBITED.

ADDITIONAL PVC PIPE NOTE

1. POLYVINYL CHLORIDE (PVC) PIPES SHALL BE DR 14 (FOR 4" - 16" ALL DUCTILE IRON VALVES AND METALLIC FITTINGS SHALL BE WRAPPED WITH TWO LAYERS OF 8 MIL POLYETHYLENE WRAP. NO BENDING OF POLYVINYL CHLORIDE PIPES SHALL BE PERMITTED. THE INSTALLATION OF PVC PIPE, ACCORDING TO THE PLANS AND SPECIFICATIONS AS BID ON BY THE CONTRACTOR, MAY REQUIRE ADDITIONAL DESIGN WORK, AND ADDITIONAL FITTINGS AND SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID IN THE PROPOSAL FOR PVC PIPE. ANY ADDITIONAL DESIGN WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DUCTILE IRON FITTINGS SHALL BE USED FOR ALL TYPES OF FITTINGS.

2. PVC FITTINGS, INCLUDING DEFLECTION COUPLINGS ARE NOT APPROVED.

4. THE CONTRACTOR SHALL FURNISH AND INSTALL POLYETHYLENE WRAP, 3 FEET MINIMUM AT ALL TAPS (FOR DI PIPE AND COPPER LATERAL COMBINATION ONLY).

5. ALL SECTIONS OF THE WATER MAIN REQUIRING REINFORCED CONCRETE JACKETING SHALL BE DUCTILE IRON PIPE CLASS 53 WITH DUCTILE IRON FITTINGS.

6. DUCTILE IRON BOSSED TEES REQUIRED FOR ALL LATERAL AND ARV CONNECTIONS TO PVC MAINS 12" AND SMALLER (DUCTILE IRON CONNECTOR PIECE LARGER THAN 12").

7. THE CONTRACTOR SHALL INSTALL ELECTRONIC MARKERS TO ALL MAINS AND TEST THE ELECTRONIC MARKERS PRIOR TO INSTALLATIONS TO VERIFY PROPER OPERATION. BWS PERSONNEL SHALL VERIFY THE NUMBER AND LOCATIONS OF PLACED ELECTRONIC MARKERS BEFORE FINAL PAVING OF THE PROJECT.

DEFLECTION COUPLINGS/
DEFLECTION (HORIZ.)

VALVE

BEND (HORIZ.)

TEE (BRANCHES
4-INCHES AND
LARGER)

REINFORCED
CONC. JACKET

END OF MAIN

PLAN

CENTERLINE

ELECTRONIC MARKER

SEE NOTE 1

SEE NOTE 3

PIPE

SECTION

NOTES:

1. INSTALL ELECTRONIC MARKER OVER CENTER LINE OF PIPE AT MINIMUM DEPTH OF 2 FEET AND A MAXIMUM DEPTH OF 3 FEET FROM FINISH GRADE.

2. INSTALL TRENCH BACKFILL AND PIPE CUSHION MATERIAL IN ACCORDANCE TO THE PLANS AND SPECIFICATION.

3. INSTALL ELECTRONIC MARKER AT A MINIMUM CLEARANCE OF 6-INCHES ABOVE THE PIPE OR CONCRETE JACKET.

TYPICAL ELECTRONIC MARKER
INSTALLATION

SCALE
NONE

1

FIRE DEPARTMENT NOTES

18.2.3.1 REQUIRED ACCESS.

18.2.3.1.1 APPROVED FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR RELOCATED.

18.2.3.2.1 A FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FT OF AT LEAST ONE EXTERIOR DOOR THAT CAN BE OPENED FROM THE OUTSIDE AND THAT PROVIDES ACCESS TO THE INTERIOR OF THE BUILDING.

18.2.3.2.2. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FT FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.

18.3 WATER SUPPLIES AND FIRE HYDRANTS.

18.3.1* A WATER SUPPLY APPROVED BY THE COUNTY, CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO ALL PREMISES UPON WHICH FACILITIES OR BUILDINGS, OR PORTIONS THEREOF, ARE HEREAFTER CONSTRUCTED, OR MOVED INTO OR WITHIN THE COUNTY. WHEN ANY PORTION OF THE FACILITY OR BUILDING IS IN EXCESS OF 150 FT FROM A WATER SUPPLY ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANT AND MAINS CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW SHALL BE PROVIDED WHEN REQUIRED BY THE AHJ. FOR ON-SITE FIRE HYDRANT REQUIREMENTS SEE SECTION 18.3.3.

13.1.4.2 FIRE DEPARTMENT HOSE CONNECTIONS SERVING STANDPIPE AND SPRINKLER SYSTEMS SHALL BE LOCATED WITHIN 20 FEET OF A FIRE APPARATUS ACCESS ROAD, NOT LESS THAN 18 INCHES AND NOT MORE THAN 4 FEET ABOVE GRADE, OR AS APPROVED BY THE AHJ. APPROPRIATE IDENTIFICATION SIGNS SHALL BE PROVIDED AS REQUIRED BY THE AHJ.

BOARD OF WATER SUPPLY REQUIREMENTS

NEW 3" WM: PREMISE ID No.: METER NUMBER:	FIXTURE UNITS (FU)	GALLONS PER MINUTE (GPM)	GALLONS PER DAY (GPD)
A. PROPOSED DOMESTIC	2062.1	330	55,200
B. PROPOSED IRRIGATION	0	0	0
C. OTHER (FUTURE)	0	0	0
D. TOTAL PROPOSED	2062.1	330	55,200
E. DEMOLITION	0	0	0
F. NET CHANGE	2062.1	330	55,200
G. EXISTING TO REMAIN	0	0	0
H. GRAND TOTAL	2062.1	330	55,200

1. THERE IS NO AFS ON THE DOMESTIC WATERLINE.

2. IRRIGATION TO BE FROM SEPARATE METER.

3. MULTI-FAMILY HIGHRISE 184 UNITS.

FOR ESTIMATING PURPOSES ONLY

DESCRIPTION OF WORK	ESTIMATE
NEW 6" DOMESTIC SERVICE	
NEW 4" METER	
INSTALLATION CHARGE	\$5,600
WATER SYSTEM FACILITIES CHARGES: 3 COMPONENTS	
2062.1 F.U. x \$204.12 /F.U.(MULTI-FAMILY HIGHRISE)	\$420,915.85
* CREDIT DOMESTIC	
P/I/D: 167138440 2" WM	
P/I/D: 692072976 5/8" WM	
P/I/D: 5778837558 1 1/2" WM	
8" FIRE SERVICE	
8" METER	\$1,861.00
INSTALLATION CHARGE	N/A
ONE-TIME CHARGE	\$21,100.00
TOTAL.....	449,476.85

* CREDITS WILL BE DETERMINED WHEN THE BUILDING PERMIT APPLICATION IS SUBMITTED FOR BWS REVIEW AND APPROVAL

THIS ESTIMATE IS SUBJECT TO CHANGE. A FORMAL WRITTEN QUOTATION MAY BE OBTAINED AND ALL PAYMENTS FOR THE CHARGES SHOWN ON THE QUOTATION MADE WITHIN 30 DAYS AFTER THE CONSTRUCTION PLAN IS APPROVED BY BWS. IF PAYMENTS ARE NOT RECEIVED WITHIN THE 30 DAY PERIOD, THE PROJECT WILL BE SUBJECT TO THE PREVAILING RATES.

BOARD OF WATER SUPPLY REQUIREMENTS (IRRIGATION)

NEW 1" WM: IRRIGATION (REUSE EXIST WL) PREMISE ID No.: 5778837558 METER NUMBER: 00600563	FIXTURE UNITS (FU)	GALLONS PER MINUTE (GPM)	GALLONS PER DAY (GPD)
A. PROPOSED DOMESTIC	0	0	0
B. PROPOSED IRRIGATION	150	55	1538
C. OTHER (FUTURE)	0	0	0
D. TOTAL PROPOSED	150	55	1538
E. DEMOLITION	0	0	0
F. NET CHANGE	0	0	0
G. EXISTING TO REMAIN	0	0	0
H. GRAND TOTAL	150	55	1538

FSC
ARCHITECTS

ALAN T. OKAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 5483-C
HAWAII, U.S.A.

Alan T. Okamoto
EXP. DATE: 04/30/2025
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
NOTES

SHEET NO.
C-002

EROSION AND SEDIMENT CONTROL PLAN SCHEDULE AND RAIN RESPONSE PLAN:

PROJECT SEQUENCE:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES, PERIMETER CONTROLS, INLET PROTECTION, AND TEMPORARY FENCING FOR PROTECTED AREAS, CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF THESE BMPS.
2. PROCEED WITH CONSTRUCTION AND GRADING WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
3. PLANT PERMANENT GROUND COVER AS SOON AS POSSIBLE.
4. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER FULL ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
5. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION
6. INSPECTIONS WILL BE PERFORMED MONTHLY.

RAIN RESPONSE PLAN:

1. THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS:
2. TEMPORARY SUSPENSION OF ACTIVE GRADING AND TRENCHING.
3. INSPECT ALL PERIMETER CONTROLS AND INLET PROTECTION DEVICES AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA. IF A SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICES TO PREVENT FLOODING ON SURROUNDING STREETS.
4. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
5. RE-INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND REPLACE OR MAINTAIN BMPS AS NEEDED.

EROSION PREVENTION / SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE CITY AND COUNTY OF HONOLULU'S "RULES RELATING TO WATER QUALITY"
2. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTHWORK IS INITIATED.
3. TEMPORARY STABILIZATION IS REQUIRED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 14 CONSECUTIVE DAYS OR MORE.
4. PERMANENT STABILIZATION ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED USING VEGETATIVE COVERING, PAVEMENT, OR EQUIVALENT, PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY AND PERMANENTLY STABILIZED.
5. PRESERVE EXISTING VEGETATION CLEARLY MARK THE AREAS TO BE PRESERVED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
6. MINIMIZE SOIL COMPACTION AREAS WHERE FINAL STABILIZATION OR INFILTRATION PRACTICES WILL BE INSTALLED SHALL BE PROTECTED FROM EXCESSIVE COMPACTION DURING CONSTRUCTION. VEHICLE AND EQUIPMENT USE SHALL BE RESTRICTED OR TECHNIQUES TO CONDITION THE SOILS TO SUPPORT VEGETATION SHALL BE IMPLEMENTED IN THE AREAS THAT HAVE BEEN COMPACTED AND ARE DESIGNATED TO REMAIN VEGETATIVE OR POST-CONSTRUCTION INFILTRATION AREAS. CLEARLY MARK THE AREAS TO BE AVOIDED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
7. PERIMETER CONTROLS PERIMETER CONTROLS ARE REQUIRED DOWNSLOPE OF ALL DISTURBED AREAS. MAINTAIN DOWNSTREAM VEGETATED BUFFER AREA.
8. INLET PROTECTION
~AFTER INSTALLATION OF THE NEW DRYWELLS, CONTRACTOR SHALL INSTALL FILTER FABRIC UNDER THE DRYWELL INLET GRATE AND MAINTAIN UNTIL ALL PAVING IS COMPLETE AND LANDSCAPING HAS BEEN ESTABLISHED.

~ALL STORM DRAIN INLETS ONSITE AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE SHALL USE AN INLET PROTECTION DEVICE UNLESS THEY ARE DIRECTED TO A SEDIMENT BASIN.

~SEDIMENT LEVELS MAY NOT EXCEED ONE THIRD OF THE HEIGHT OF A SEDIMENT BARRIER OR INLET PROTECTION DEVICE AT ANY POINT ALONG THE LENGTH OF THE SEDIMENT BARRIER OR THE INLET PROTECTION DEVICE.

~SEDIMENT BARRIERS AND INLET PROTECTION DEVICES MUST BE UNCLOGGED AND CLEANED WHEN PERFORMANCE IS COMPROMISED.

~TORN, WEATHERED OR SAGGING SEDIMENT BARRIERS OR INLET PROTECTION DEVICES MUST BE REPAIRED OR REPLACED IMMEDIATELY.
9. TRACKING CONTROL
~MINIMIZE SEDIMENT TRACK-OUT ONTO OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS FROM VEHICLES EXITING THE CONSTRUCTION SITE BY RESTRICTING VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USING ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE SITE.

~VEHICULAR PARKING AND MOVEMENTS ON PROJECT SITES MUST BE CONFINED TO PAVED SURFACES OR PREDEFINED PARKING AREAS AND VEHICLE PATHS, WHICH SHALL BE MARKED WITH FLAGS OR BOUNDARY FENCING.

~ALL POLLUTANTS AND MATERIALS THAT ARE DROPPED, WASHED, TRACKED, SPILLED, OR OTHERWISE DISCHARGED FROM A PROJECT SITE TO OFF-SITE STREETS, OTHER PAVED AREAS, SIDEWALKS OR THE MS4 MUST BE CLEANED USING DRY METHODS SUCH AS SWEEPING OR VACUUMING.

~WASHING POLLUTANTS AND MATERIALS THAT ARE DISCHARGED FROM THE PROJECT SITE TO THE MS4 INTO DRAIN INLETS OR CATCH BASINS IS PROHIBITED UNLESS THE MATERIAL IS SEDIMENT AND THE INLETS ARE DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP.

10. BEST MANAGEMENT PRACTICES (BMPS) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE FOR THAT PHASE.
11. REFER TO CITY AND COUNTY OF HONOLULU BEST MANAGEMENT PRACTICES MANUAL-CONSTRUCTION, FOR MORE INFORMATION ON BMPS
12. THE FOLLOWING BMPS WERE DETERMINED TO BE NOT APPLICABLE BASED ON THE SPECIFIC SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.

~SLOPE MANAGEMENT AND PROTECTION-NOT APPLICABLE
~DEWATERING PRACTICES ARE NOT APPLICABLE
~VELOCITY DISSIPATION DEVICES ARE NOT APPLICABLE
13. THIS ESCP HAS BEEN PREPARED BY AN ENGINEER LICENSED IN THE SATE OF HAWAII AND CERTIFIED AS A CWPPP (CERTIFIED WATER POLLUTION PLAN PREPARER).

14. AN ESCPC (EROSION AND SEDIMENT CONTROL PLAN COORDINATOR) MUST BE DESIGNATED BY THE CONTRACTOR WHO WILL BE RESPONSIBLE FOR IMPLEMENTING AND THE ESCP AT THE PROJECT SITE ("ESCP COORDINATOR").
15. THE ESCP COORDINATOR SHALL SUBMIT NAME, PHONE NUMBER, MAILING ADDRESS AND EMAIL ADDRESS TO THE DIRECTOR (OF DEPARTMENT AND PERMITTING) AT LEAST TWO (2) WEEKS PRIOR TO COMMENCING OF ANY WORK. THE ESCP WRITTEN NOTICE MUST BE SIGNED BY THE OWNER OF THE PROPERTY AND THE ESCP COORDINATOR.
16. CHANGES TO THE ESCP COORDINATOR SHALL BE SUBMITTED TO THE DIRECTOR IN WRITING IMMEDIATELY FOR THE DEPARTMENT'S ACCEPTANCE.
17. THE CONTRACTOR, DEVELOPER, AND/OR OWNER SHALL OBTAIN WRITTEN APPROVAL FROM THE DIRECTOR AT EACH STAGE OF DEVELOPMENT BEFORE PROCEEDING TO THE NEXT STEP IN DEVELOPMENT AS DESCRIBED IN THE ESCP.

18. LIST OF BMPS TO BE IMPLEMENTED:

PRE CONSTRUCTION -

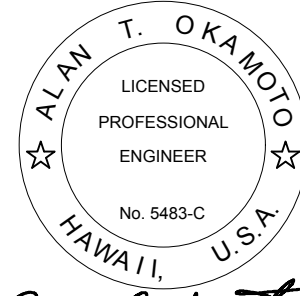
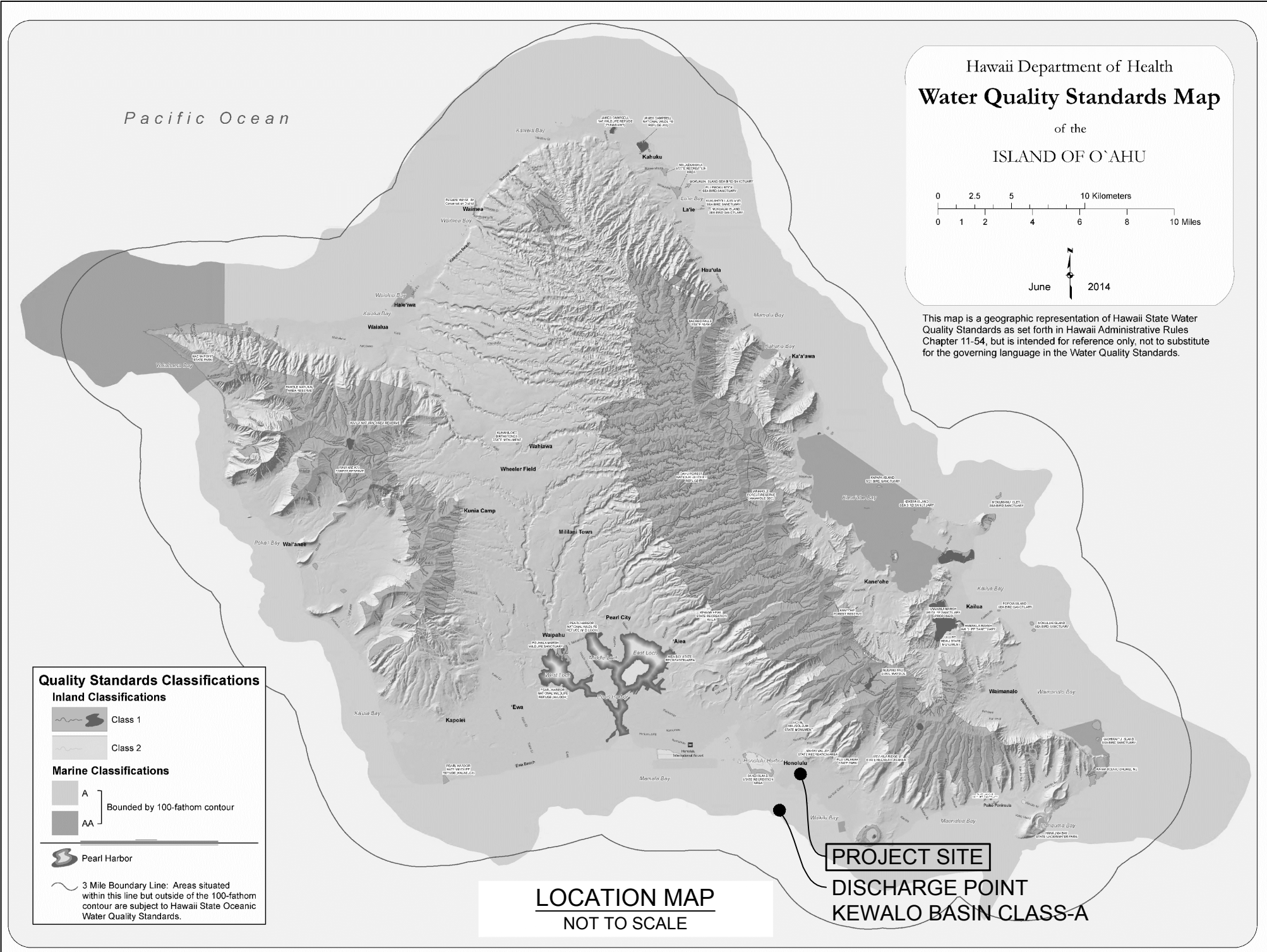
PERIMETER CONTROLS - COMPOST FILTER SOCK, SILT FENCE
TRACKING CONTROL - GRAVEL CONSTRUCTION ACCESS PAD
INLET PROTECTION - FILTER FABRIC, COMPOST FILTER SOCK

DURING CONSTRUCTION -
DUST CONTROL - WATERING
CONCRETE WASTE - CONCRETE WASHOUT SYSTEM
SANITARY WASTE - PROVIDE PORTA-POTTY
TEMPORARY STABILIZATION - INLET PROTECTION FOR
NEW DRYWELLS & TRENCH DRAINS

POST CONSTRUCTION -
ASPHALT/CONCRETE PAVEMENT ON ALL VEHICULAR SURFACES
FULL LANDSCAPING ON ALL EXPOSED SOIL AREAS
AUTOMATIC IRRIGATION SYSTEM W/ RAIN SENSORS
TRASH ENCLOSURE W/ COVERED BINS
DRYWELLS FOR STORM WATER COLLECTION/PERCOLATION
DOWNSPOUT DRYWELLS FOR ROOF DRAINS

19. PROJECT SCHEDULING:

THIS PROJECT SHALL COMPLY WITH THE PROJECT SCHEDULING REQUIREMENTS OF THE CITY'S RULES RELATING TO WATER QUALITY. THE ESCP COORDINATOR SHALL SUBMIT A DETAILED PROJECT SCHEDULE DIRECTOR 2 WEEKS PRIOR TO COMMENCING OF ANY WORK.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
EROSION AND
SEDIMENT CONTROL
PLAN NOTES

SHEET NO.

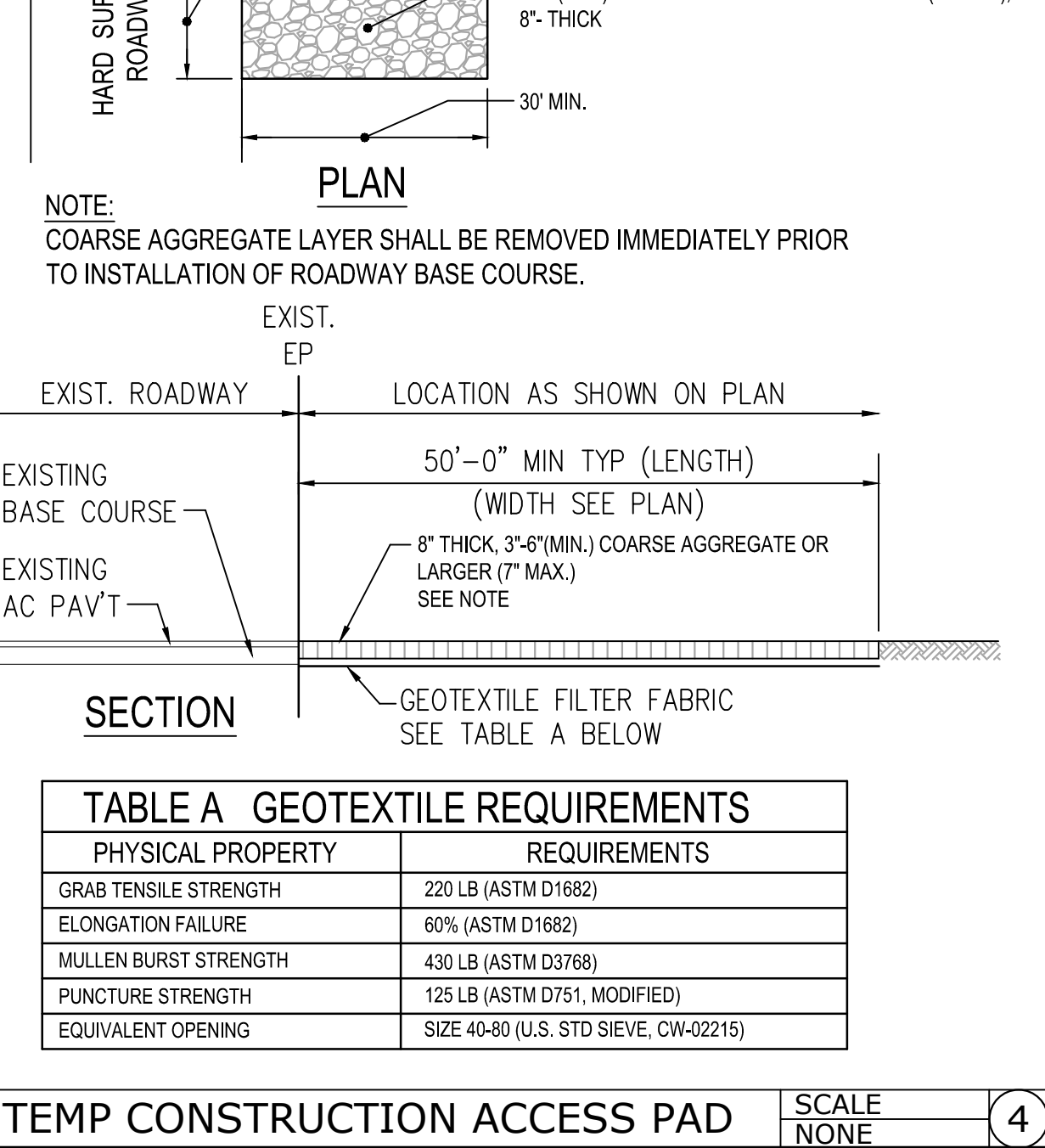
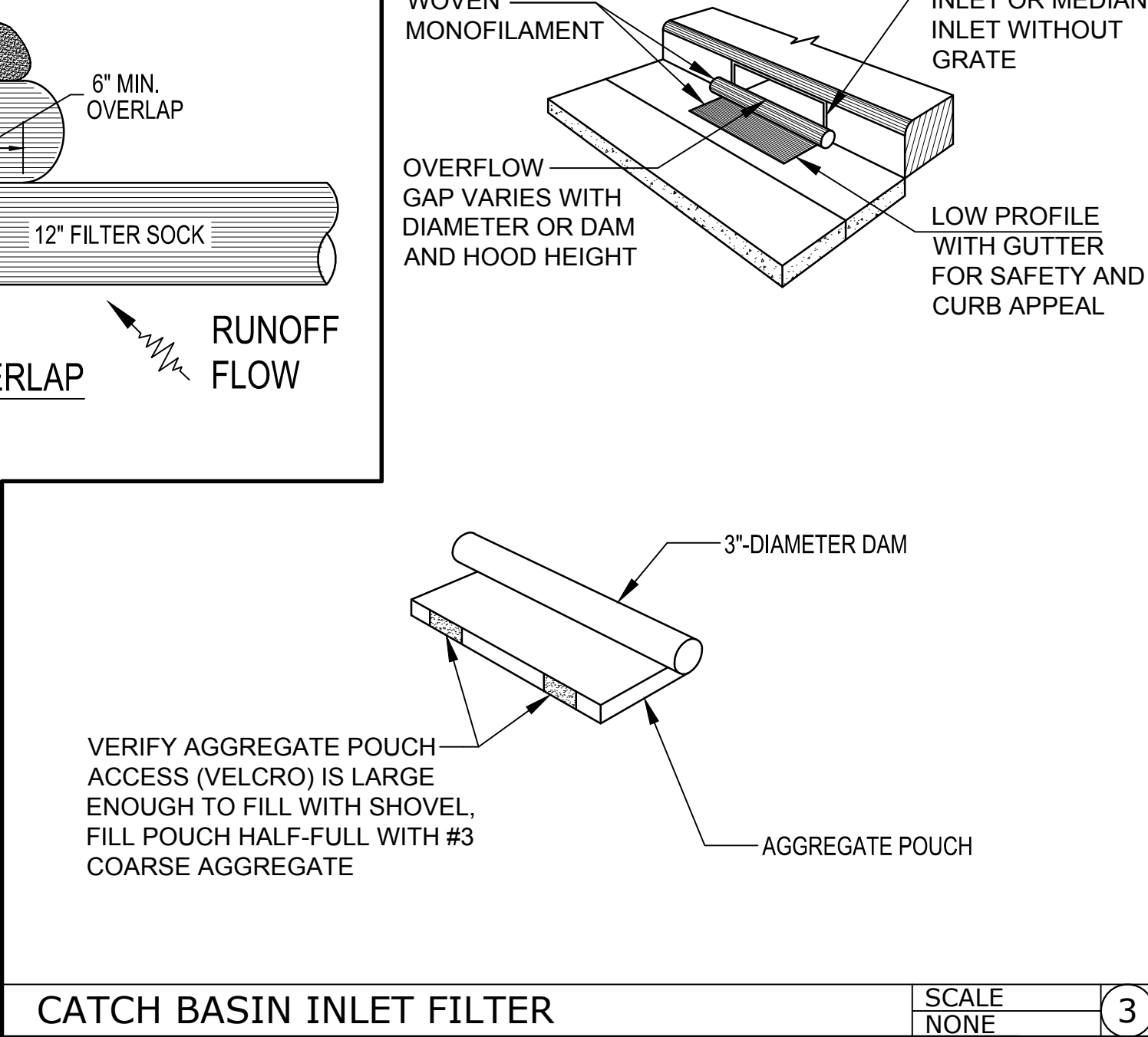
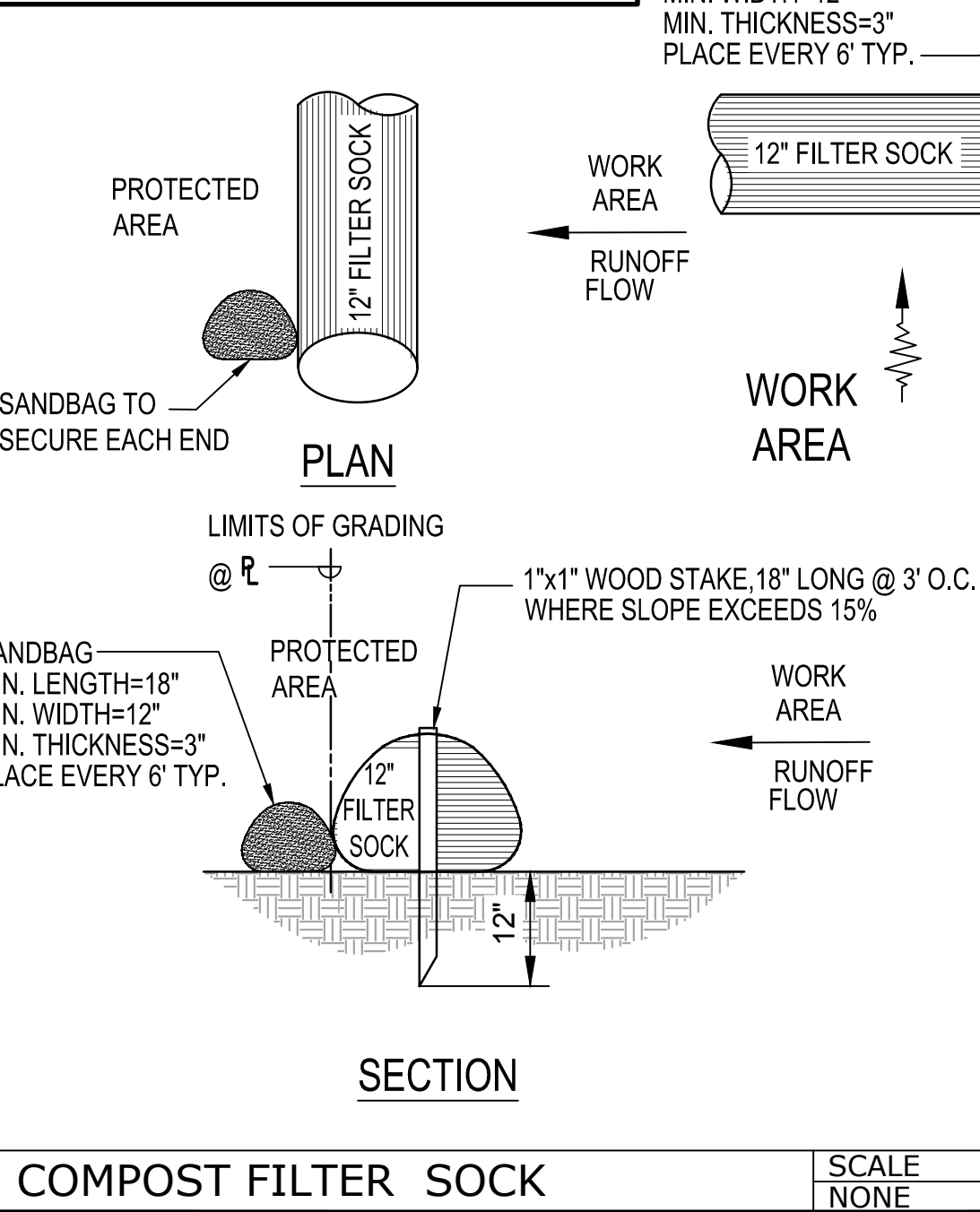
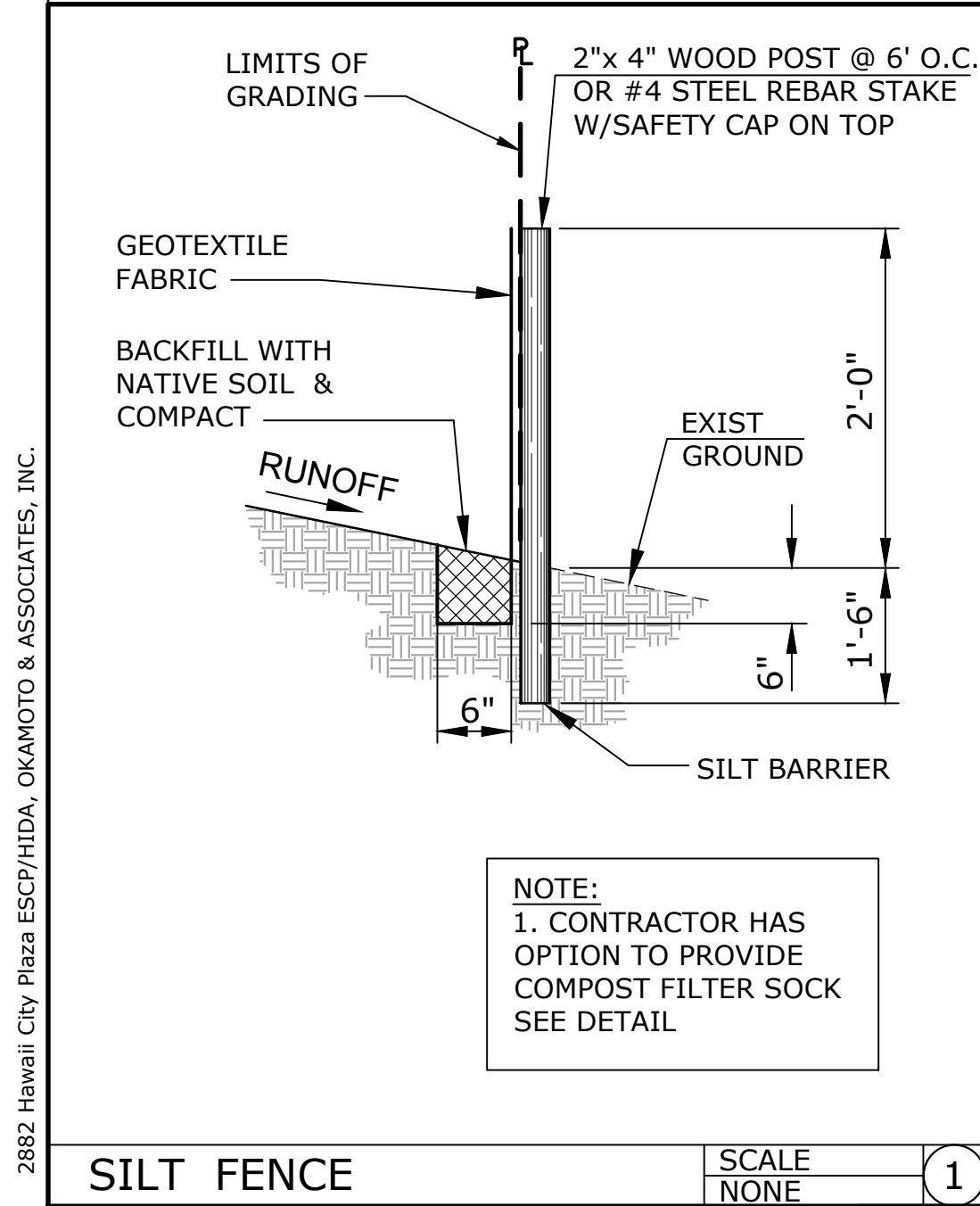
C-003

APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPP

DATE

- GOOD HOUSE KEEPING BMPs:
- STREET SWEEPING AND VACUUMING. ALL POLLUTANTS DISCHARGED FROM CONSTRUCTION SITE TO OFF-SITE AREAS MUST BE SWEEPED OR VACUUMED EACH DAY BEFORE LEAVING THE JOB SITE.
 - MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT. PREVENT, REDUCE, OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY, STORAGE, AND USE TO THE STORM WATER SYSTEM OR WATERCOURSES BY MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ONSITE, STORING MATERIALS IN A DESIGNATED AREA, INSTALLING SECONDARY CONTAINMENT, CONSTRUCTION MATERIALS, WASTE, TOXIC AND HAZARDOUS SUBSTANCES, STOCKPILES AND OTHER SOURCES OF POLLUTION SHALL NOT BE STORED IN BUFFER AREAS, NEAR AREAS OF CONCENTRATED FLOW, OR AREAS ABUTTING THE MS4, RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE. PRIMARY AND SECONDARY CONTAINMENT CONTROLS AND COVERS SHALL BE IMPLEMENTED TO THE MEP
 - SPILL PREVENTION AND CONTROL. CREATE AND IMPLEMENT SPILL PREVENTION AND RESPONSE PLANS TO ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO THE MS4 AND RECEIVING WATERS FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, ABSORBING, CONTAINING, AND CLEANING UP SPILLS AND PROPERLY DISPOSING OF SPILL MATERIALS. AT A MINIMUM, ALL PROJECTS SHALL CLEANUP ALL LEAKS AND SPILLS IMMEDIATELY.
 - HAZARDOUS MATERIALS. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM HAZARDOUS WASTE THROUGH PROPER MATERIAL USE AND WASTE DISPOSAL. IN THE EVENT THAT HAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF FACILITIES MAINTENANCE, HONOLULU FIRE DEPARTMENT, AND HONOLULU POLICE DEPARTMENT OF THE DISCHARGE BY TELEPHONE. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A REOCCURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.
 - NONHAZARDOUS MATERIALS. IN THE EVENT THAT NONHAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL NOTIFY THE CITY DEPARTMENT OF FACILITIES MAINTENANCE BY TELEPHONE NO LATER THAN THE NEXT BUSINESS DAY. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A REOCCURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.
 - VEHICLE AND EQUIPMENT CLEANING. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT CLEANING OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, WASHING IN DESIGNATED, CONTAINED AREAS ONLY, AND ELIMINATING DISCHARGES TO THE STORM DRAIN SYSTEM BY EVAPORATING AND/OR TREATING WASH WATER, AS APPROPRIATE OR INFILTRATING WASH WATER FOR EXTERIOR CLEANING ACTIVITIES THAT USE WATER ONLY.
 - VEHICLE AND EQUIPMENT FUELING. PREVENT FUEL SPILLS AND LEAKS BY USING OFF-SITE FACILITIES, FUELING ONLY IN DESIGNATED AREAS, ENCLOSING OR COVERING STORED FUEL, AND IMPLEMENTING SPILL CONTROLS SUCH AS SECONDARY CONTAINMENT AND ACTIVE MEASURES USING SPILL RESPONSE KITS.
 - VEHICLE AND EQUIPMENT MAINTENANCE. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT MAINTENANCE OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, PERFORMING WORK IN DESIGNATED AREAS ONLY, USING SPILL PADS UNDER VEHICLES AND EQUIPMENT, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.
 - SOLID WASTE MANAGEMENT. PREVENT OR REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.
 - SANITARY/SEPTIC WASTE MANAGEMENT. TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL-MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND SERVICING. SOURCES OF SANITARY AND/OR SEPTIC WASTE SHALL NOT BE STORED NEAR THE MS4 OR RECEIVING WATERS.
 - STOCKPILE MANAGEMENT. STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY. SEDIMENT BARRIERS OR SILT FENCES SHALL BE USED AROUND THE BASE OF ALL STOCKPILES. STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT. STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8 FOOT WIDE BENCHING IN ACCORDANCE WITH ROH CHAPTER 14, ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
 - LIQUID WASTE MANAGEMENT. LIQUID WASTE SHALL BE CONTAINED IN A CONTROLLED AREA SUCH AS A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTES GENERATED. CONTAINMENT AREAS OR DEVICES MUST BE IMPERMEABLE AND LEAK FREE AND SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS.
 - CONCRETE WASTE MANAGEMENT. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE OR PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MILLIMETER POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. CONTAINMENT AREAS OR DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF AS SOLID WASTES.
 - CONTAMINATED SOIL MANAGEMENT. AT MINIMUM CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINED BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETING. CONTAMINATED SOIL SHOULD BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
 - DUST CONTROL SHALL BE MAINTAINED BY USE OF WATER TRUCKS OR WATER HOSE. WATER SHALL BE APPLIED SUCH THAT AIRBORNE DUST IS CONTROLLED TO A MINIMAL LEVEL WITHOUT OVER APPLICATION SO AS TO CAUSE RUNOFF.
 - BMPs AS REFLECTED ON THE ESCP SHALL BE INSTALLED BEFORE START OF CONSTRUCTION AND BE MAINTAINED UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES.
 - SEE SHEET C-003 FOR ADDITIONAL ESCP NOTES.



DEWATERING NOTE:

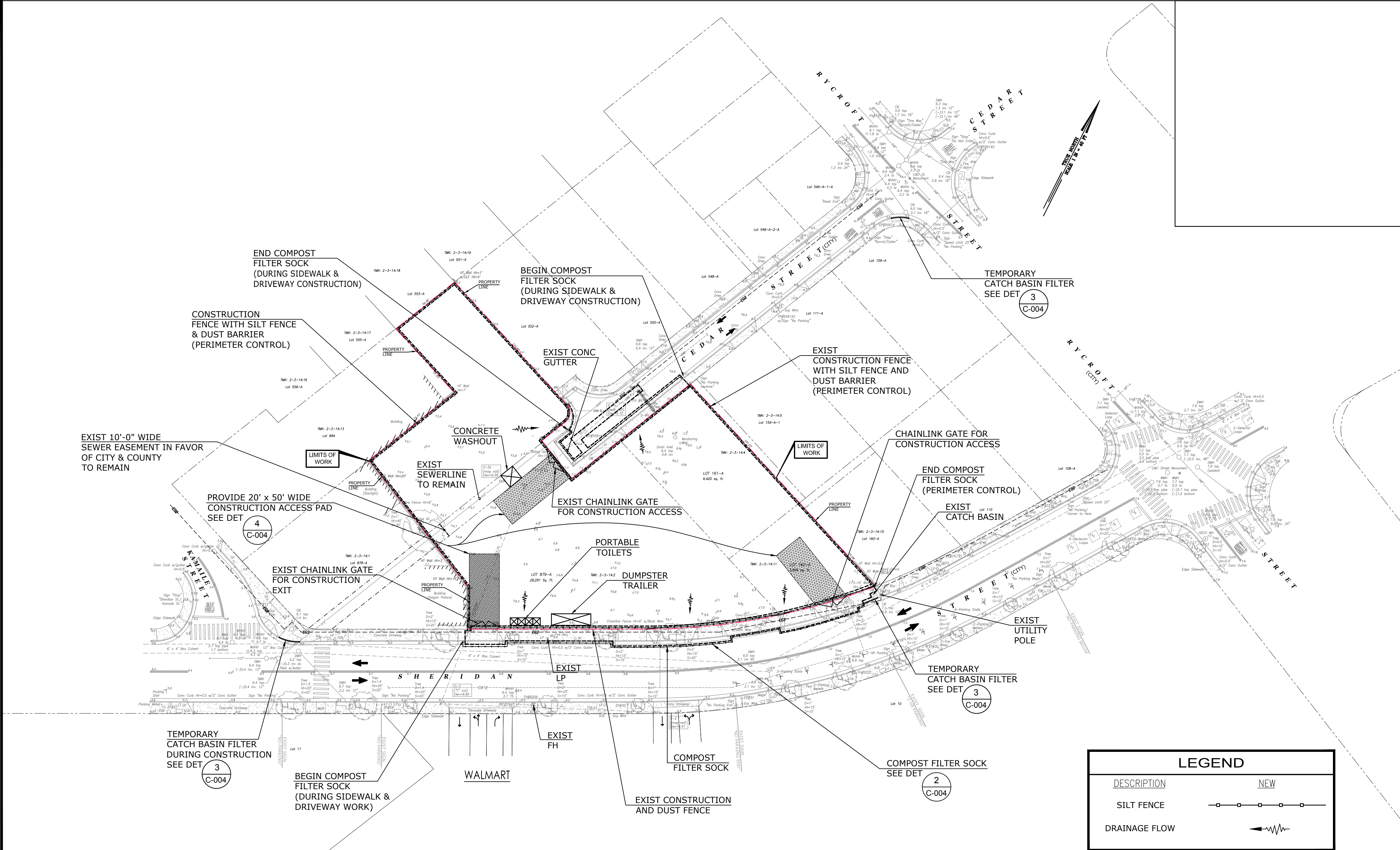
- EFFLUENT FROM ANY DEWATERING WORK SHALL BE CONTAINED WITHIN ON-SITE TRENCHES.

APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPP

DATE

2882 Hawaii City Plaza ESCP/HIDA, OKAMOTO & ASSOCIATES, INC.



EROSION AND SEDIMENT CONTROL PLAN (CATEGORY-3)

FSC ARCHITECTS

ALAN T. OKAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 5483-C
HAWAII, U.S.A.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT SET

DATE: SEPT 2018

PROJECT # 15028-02

SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN & DETAILS

SHEET NO.
C-004

I. LID SITE DESIGN

1. DIRECT RUNOFF FROM IMPERVIOUS SURFACES TO LANDSCAPE AREAS OR DRYWELLS.

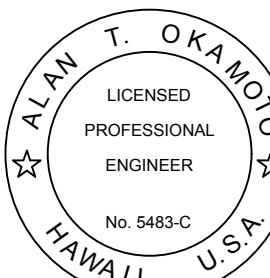
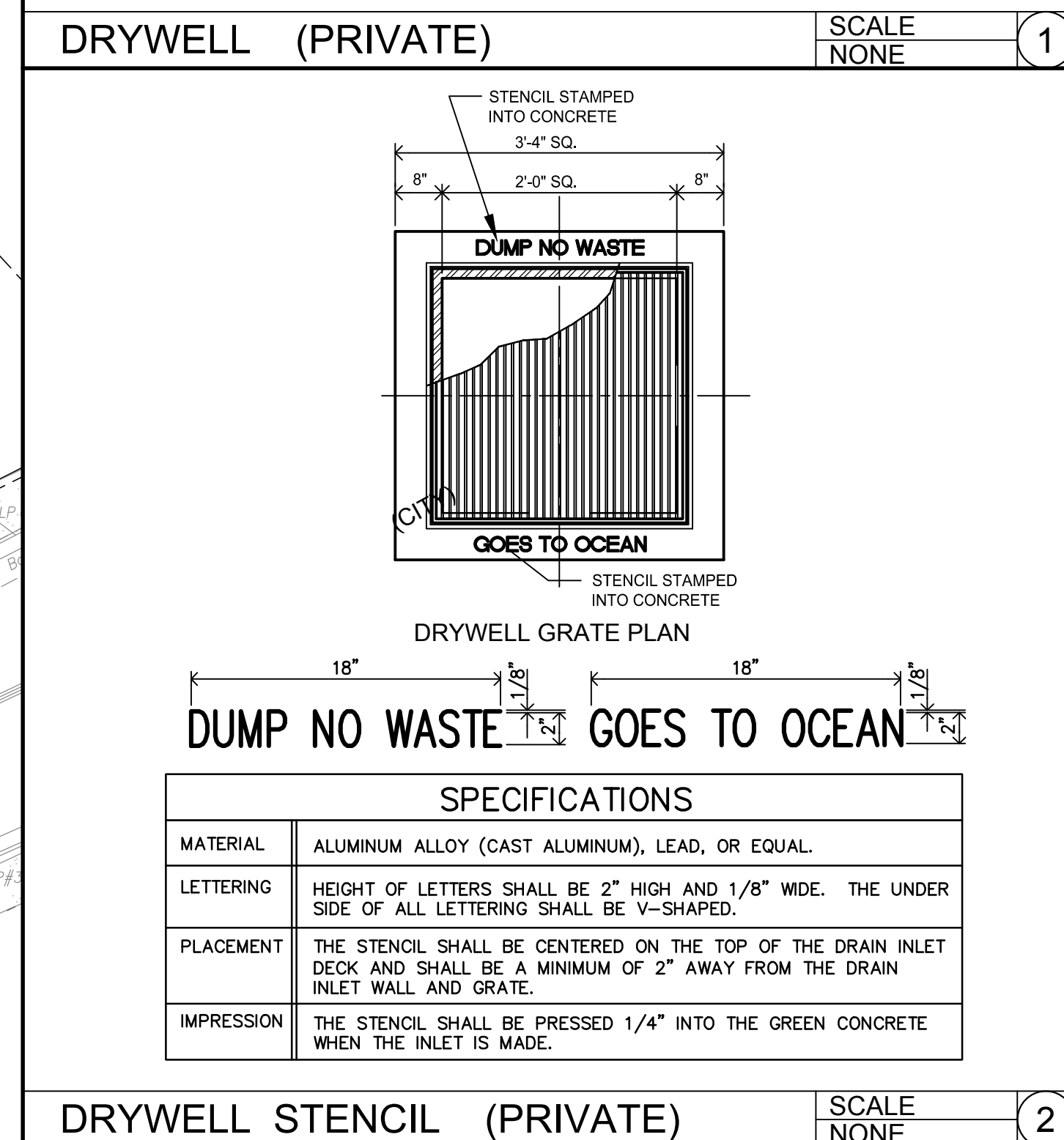
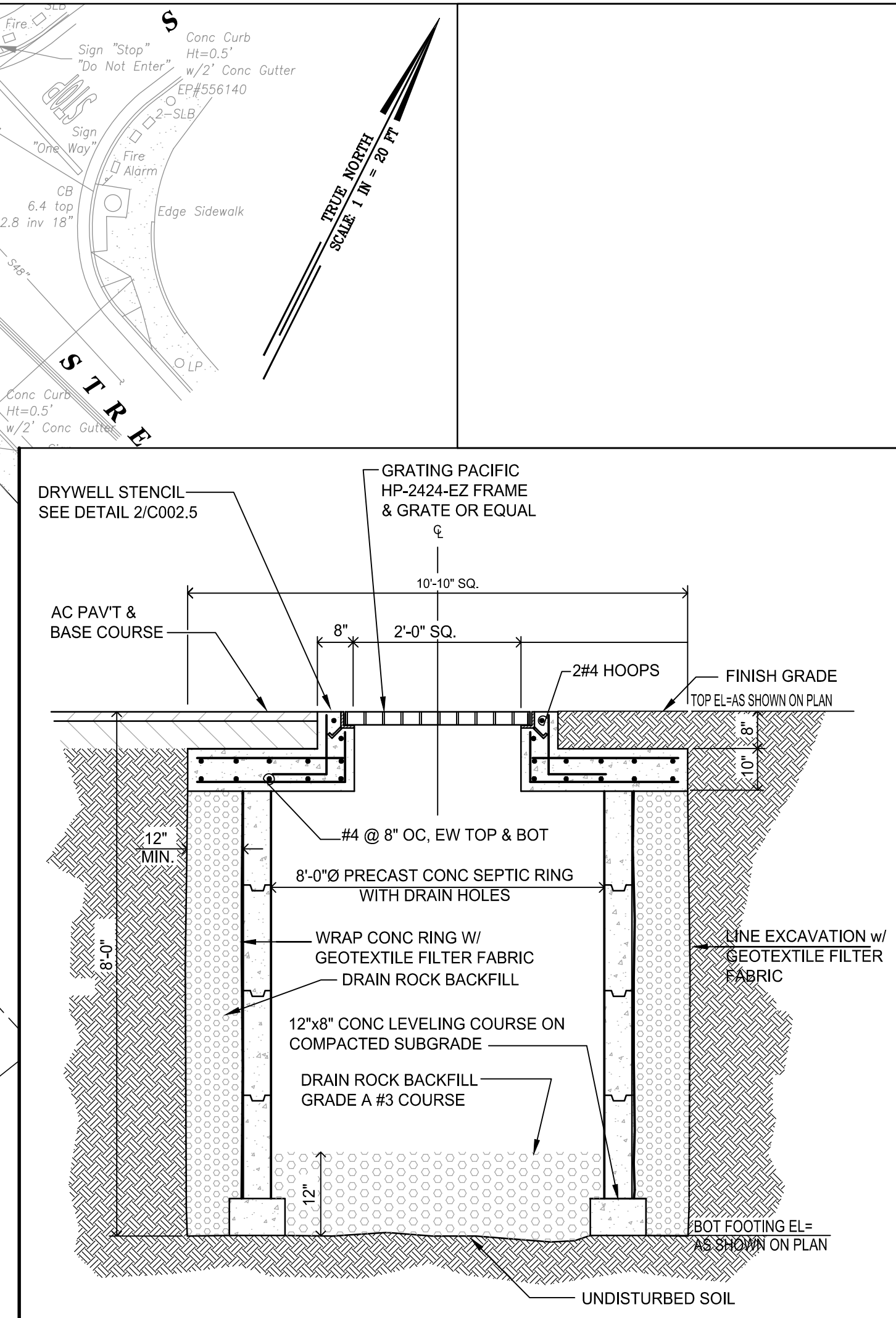
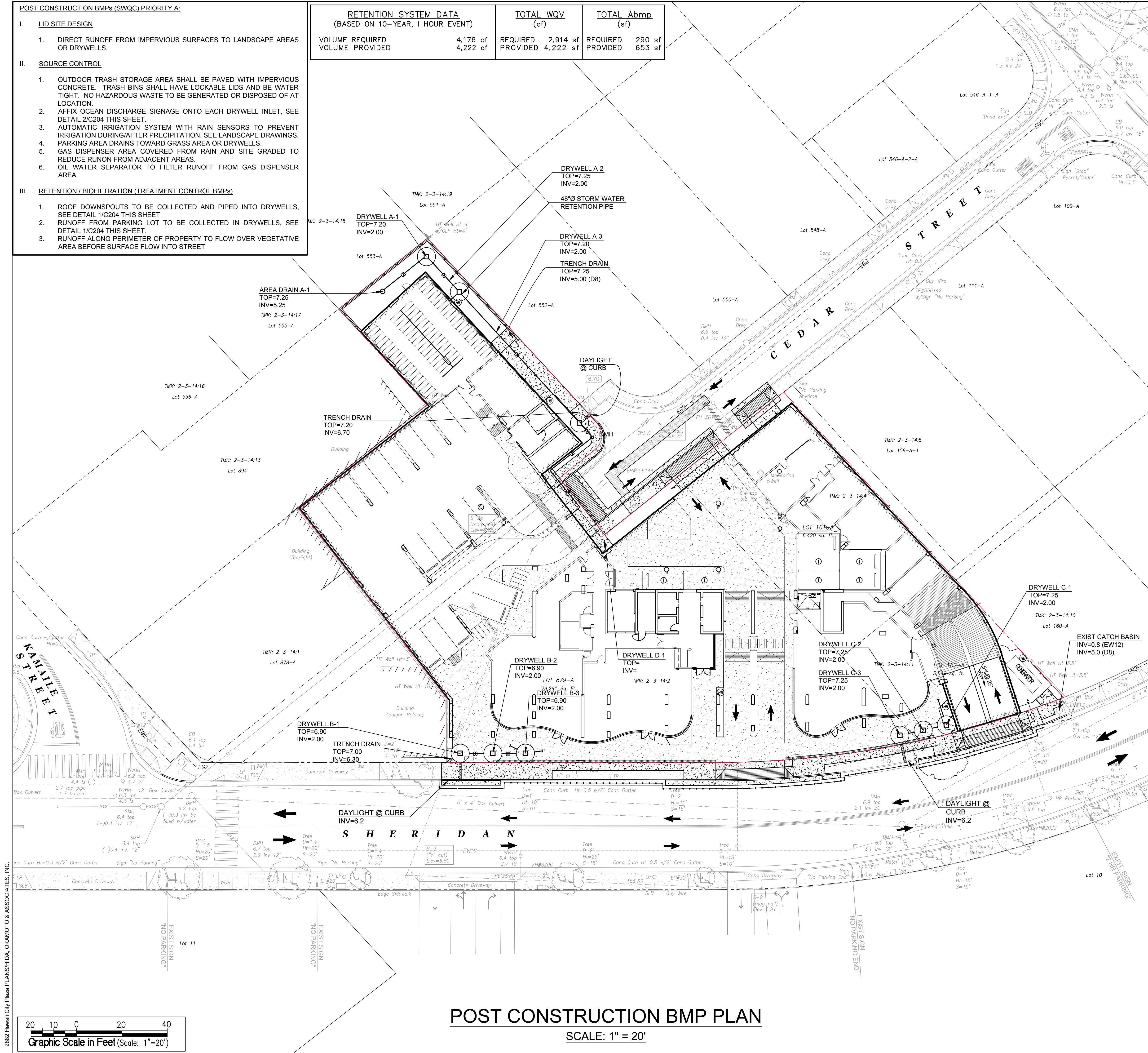
II. SOURCE CONTROL

1. OUTDOOR TRASH STORAGE AREA SHALL BE PAVED WITH IMPERVIOUS CONCRETE. TRASH BINS SHALL HAVE LOCKABLE LIDS AND BE WATER TIGHT. NO HAZARDOUS WASTE TO BE GENERATED OR DISPOSED OF AT LOCATION.
2. AFFIX OCEAN DISCHARGE SIGNAGE ONTO EACH DRYWELL INLET. SEE DETAIL D2C04 THIS SHEET.
3. AUTOMATIC IRRIGATION SYSTEM WITH RAIN SENSORS TO PREVENT IRRIGATION DURING/ AFTER PRECIPITATION. SEE LANDSCAPE DRAWINGS.
4. PARKING AREA DRAINS TOWARD GRASS AREA OR DRYWELLS.
5. GAS DISPENSER AREA COVERED FROM RAIN AND SITE GRADED TO REDUCE RUNOFF FROM ADJACENT AREAS.
6. OIL WATER SEPARATOR TO FILTER RUNOFF FROM GAS DISPENSER AREA

III. RETENTION / BIOFILTRATION (TREATMENT CONTROL BMPs)

1. ROOF DOWNSPOUTS TO BE COLLECTED AND PIPED INTO DRYWELLS. SEE DETAIL 1/C204 THIS SHEET
2. RUNOFF FROM PARKING LOT TO BE COLLECTED IN DRYWELLS. SEE DETAIL 1/C204 THIS SHEET.
3. RUNOFF ALONG PERIMETER OF PROPERTY TO FLOW OVER VEGETATIVE AREA BEFORE SURFACE FLOW INTO STREET.

<u>RETENTION SYSTEM DATA</u> (BASED ON 10-YEAR, 1 HOUR EVENT)		<u>TOTAL WQV</u> (cf)	<u>TOTAL Abmp</u> (sf)
VOLUME REQUIRED	4,176 cf	REQUIRED 2,914 sf	REQUIRED 290 sf
VOLUME PROVIDED	4,222 cf	PROVIDED 4,222 sf	PROVIDED 653 sf



Ben C. Okamoto
EXP DATE: 04/30/2020
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014: Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
POST
CONSTRUCTION
BMP PLAN

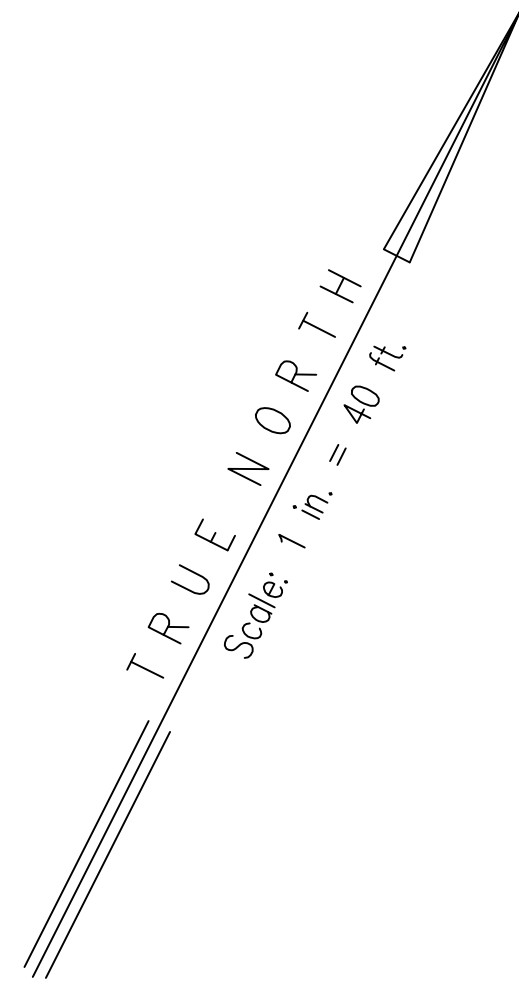
SHEET NO.

C-005

APPROVED

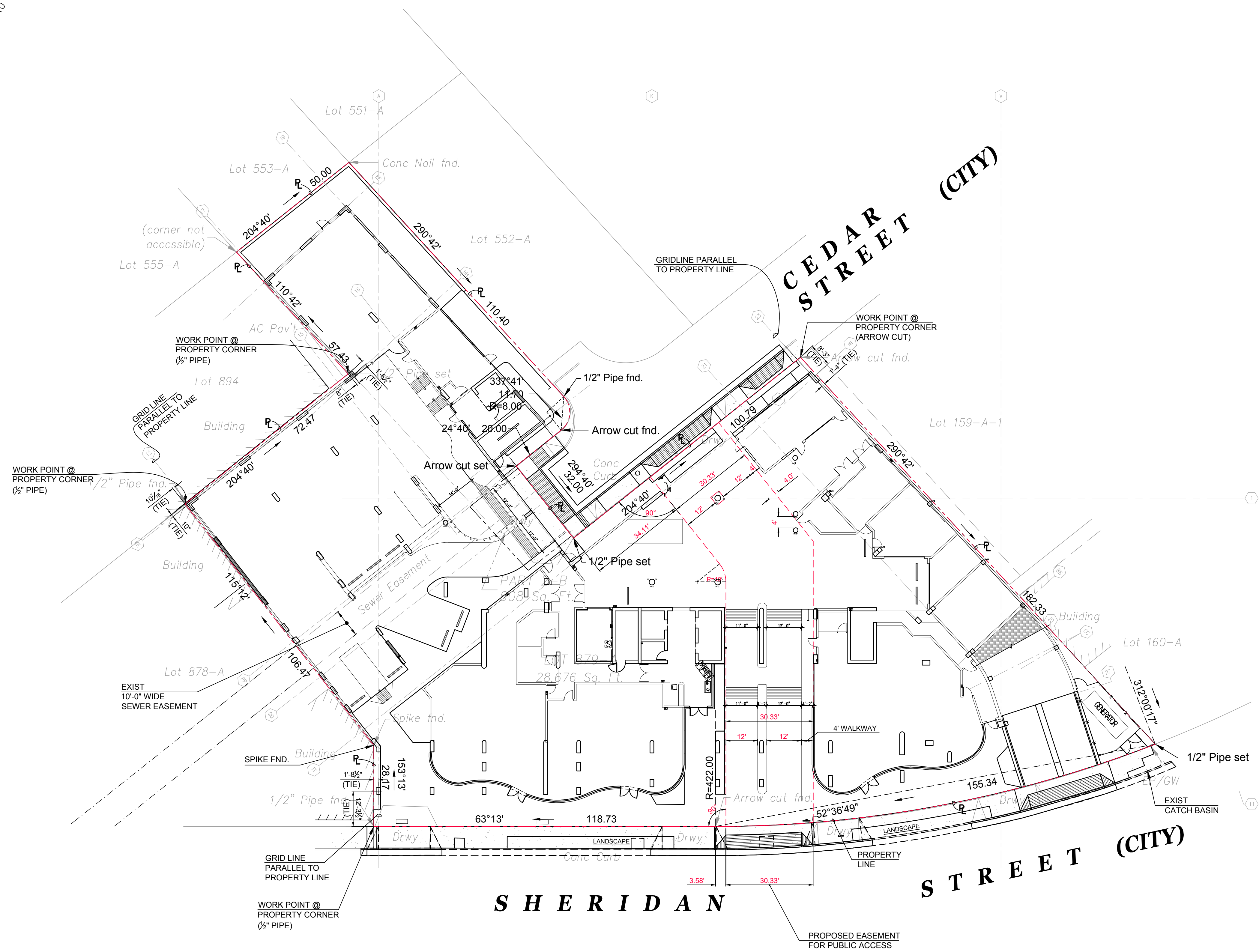
CHIEF, CIVIL ENGINEERING BRANCH, DPP _____ DATE _____

2882 Hawaii City Plaza PLANSHIDA, OKAMOTO & ASSOCIATES, INC.



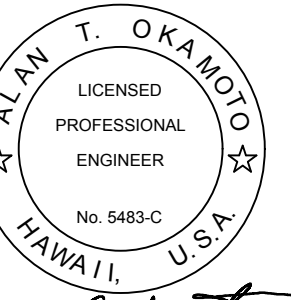
20 10 0 20 40

Graphic Scale in Feet (Scale: 1"=20')



SURVEY LAYOUT PLAN

SCALE: 1" = 20'



Alan T. Okamoto
EXP. DATE: 04/30/2025
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

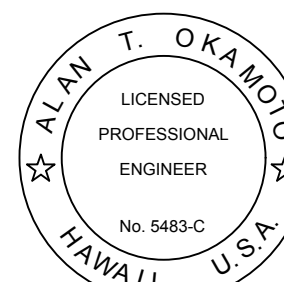
PROJECT # 15028-02

SHEET TITLE
SURVEY LAYOUT
PLAN

SHEET NO.

C-006

1. COORDINATE WITH LANDSCAPE PLANS FOR STREET TREE REMOVAL AND REPLACEMENT.
2. COORDINATE WITH ELECTRICAL PLANS FOR ELECTRICAL FACILITIES RELOCATION AND REMOVAL WORK.
3. WITHIN THE LIMITS OF DEMOLITION DEMOLISH AND REMOVE ALL STRUCTURES, PAVEMENTS, LANDSCAPING FENCING AND UTILITIES UNLESS INDICATED TO REMAIN.
4. CONTRACTOR TO VERIFY LOCATION AND INVERT IN THE FIELD, COORDINATE WITH THE WWB INSPECTOR DURING CONSTRUCTION.



Ben C. Okamoto
EXP DATE: 04/30/2020
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER,

PROJECT OWNER
HAWAII CITY PLAZA

Hawaiï City Plaza
Honolulu, Hawaiï
710 Sheridan Street

PERMIT
SET

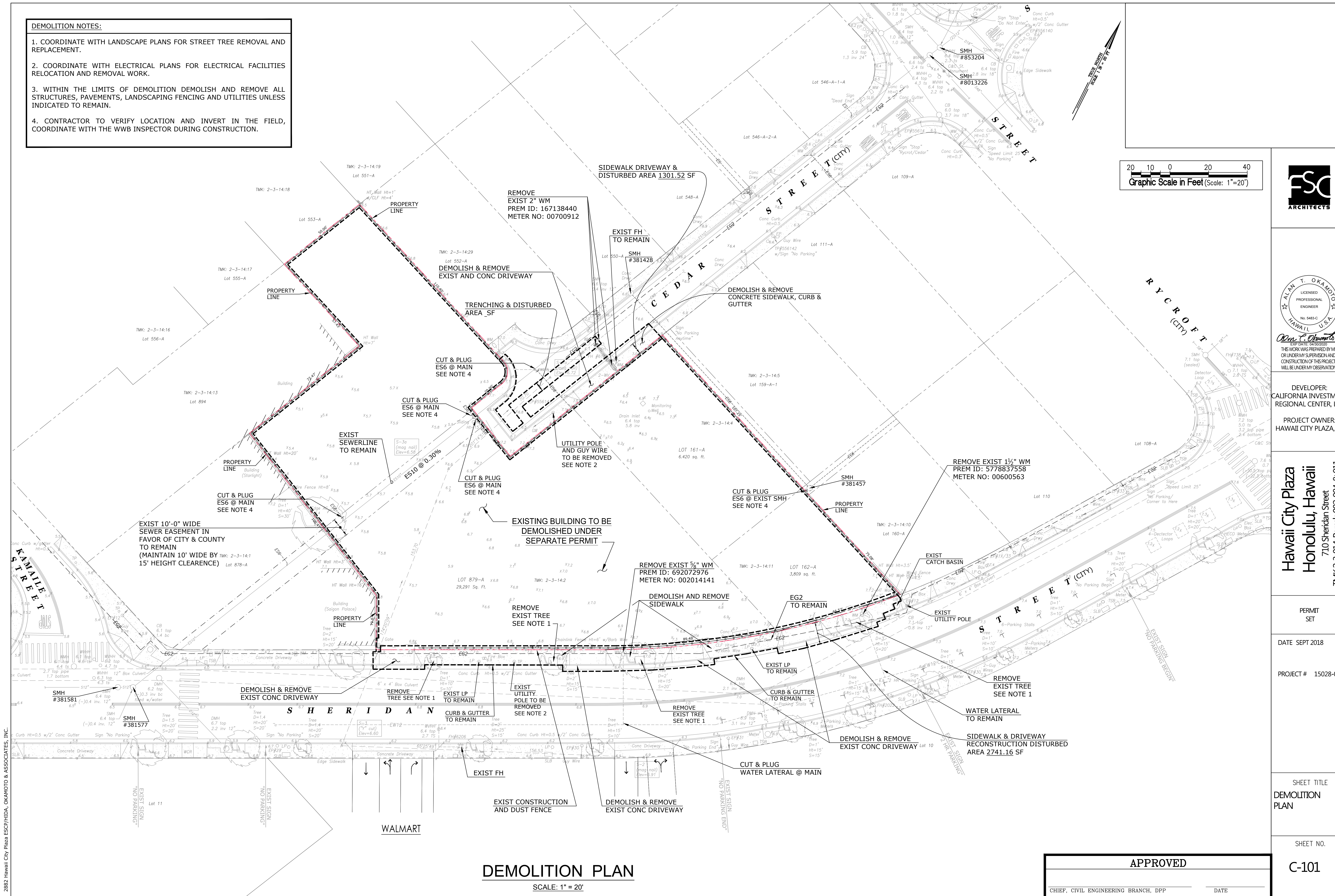
DATE SEPT 2018

PROJECT # 15028-

SHEET TITLE
DEMOLITION
PLAN

SHEET NO.

C-101



2882 Hawaii City Plaza ESCP/HIDA, OKAMOTO & ASSOCIATES, INC.

DEMOLITION PLAN

SCALE: 1" = 20'

APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPE

DATA

DISTURBED AREA SUMMARY	
DISTURBED AREA (CEDAR ST. S/W & DW)	1302 SF
DISTURBED AREA (CEDAR ST. TRENCHING)	316 SF
DISTURBED AREA (SHERIDAN ST. S/W & DW)	2741 SF
TOTAL DISTURBED AREA	9300 SF

DISTURBED AREA SUMMARY	
DISTURBED AREA (CEDAR ST. S/W & DW)	1302 SF
DISTURBED AREA (CEDAR ST. TRENCHING)	316 SF
DISTURBED AREA (SHERIDAN ST. S/W & DW)	2741 SF
TOTAL DISTURBED AREA	9300 SF

DISTURBED AREA SUMMARY-EXCLUDE FOUNDATION AREA	
GRADING & DISTURBED AREA (CEDAR ST. W/IN SITE) - - - - -	1737 SF
GRADING & DISTURBED AREA (SHERIDAN ST W/IN SITE) - - - - -	3204 SF

DISTURBED AREA SUMMARY-EXCLUDE FOUNDATION AREA	
GRADING & DISTURBED AREA (CEDAR ST. W/IN SITE) - - - - -	1737 SF
GRADING & DISTURBED AREA (SHERIDAN ST W/IN SITE) - - - - -	3204 SF

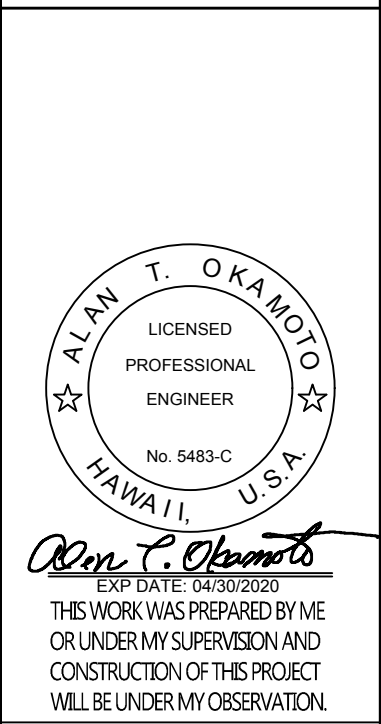
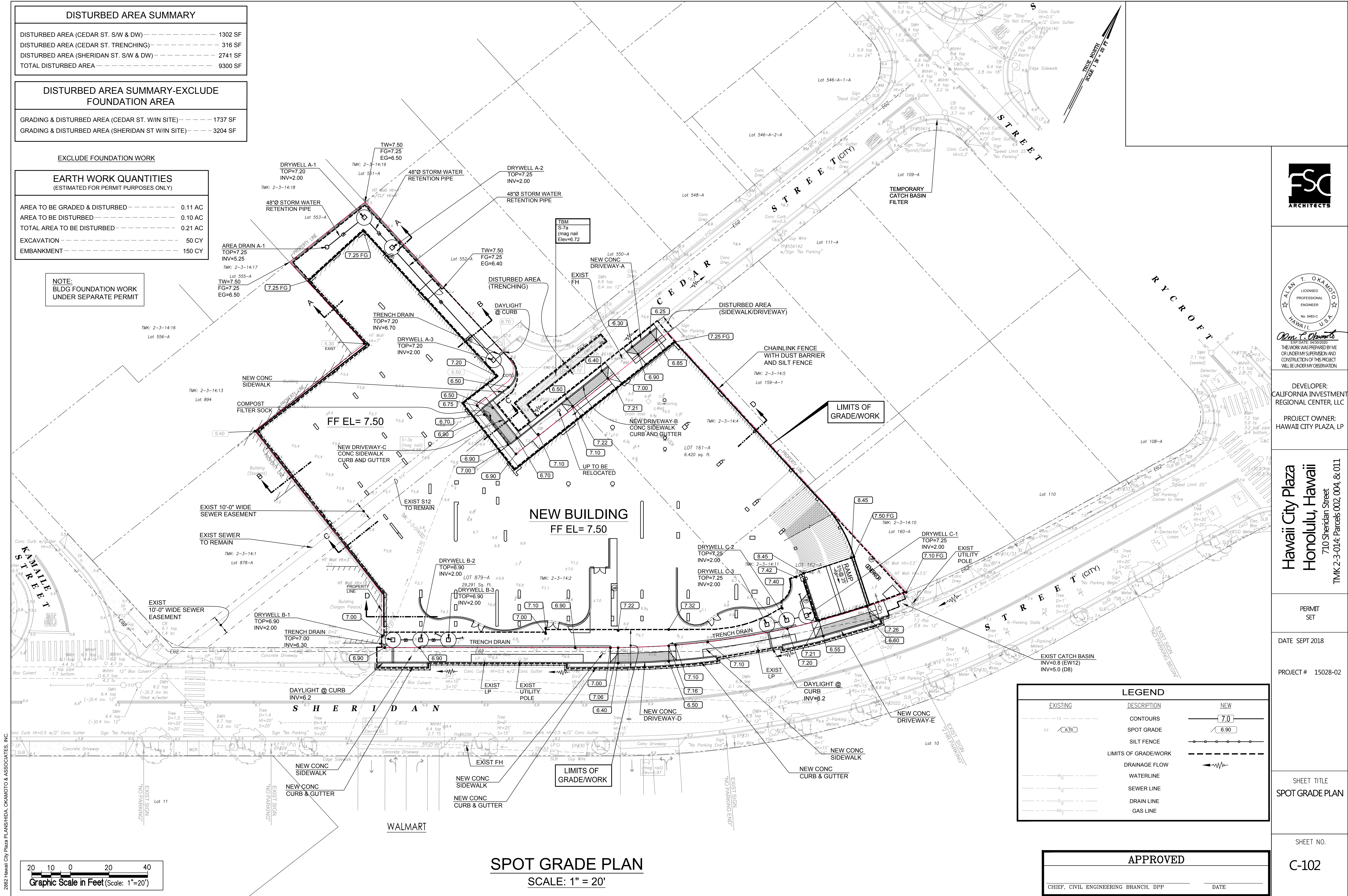
<u>EXCLUDE FOUNDATION WORK</u>	
EARTH WORK QUANTITIES	
(ESTIMATED FOR PERMIT PURPOSES ONLY)	
AREA TO BE GRADED & DISTURBED —————	0.11 AC
AREA TO BE DISTURBED —————	0.10 AC
TOTAL AREA TO BE DISTURBED —————	0.21 AC
EXCAVATION —————	50 CY
EMBANKMENT —————	150 CY

EARTH WORK QUANTITIES	
(ESTIMATED FOR PERMIT PURPOSES ONLY)	
AREA TO BE GRADED & DISTURBED —————	0.11 AC
AREA TO BE DISTURBED —————	0.10 AC
TOTAL AREA TO BE DISTURBED —————	0.21 AC
EXCAVATION —————	50 CY
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(ESTIMATED FOR PERMIT PURPOSES ONLY)	
AREA TO BE GRADED & DISTURBED —————	0.11 AC
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(ESTIMATED FOR PERMIT PURPOSES ONLY)	
AREA TO BE GRADED & DISTURBED —————	0.11 AC
AREA TO BE DISTURBED —————	0.10 AC
TOTAL AREA TO BE DISTURBED —————	0.21 AC
EXCAVATION —————	50 CY
EMBANKMENT —————	150 CY

NOTE:
BLDG FOUNDATION WORK
UNDER SEPARATE PERMIT



DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaiï City Plaza
Honolulu, Hawaiï
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

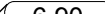
DATE SEPT 2018

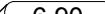
PROJECT #	15028-02
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SHEET TITLE
SPOT GRADE PLAN

SHEET NO.

C-102

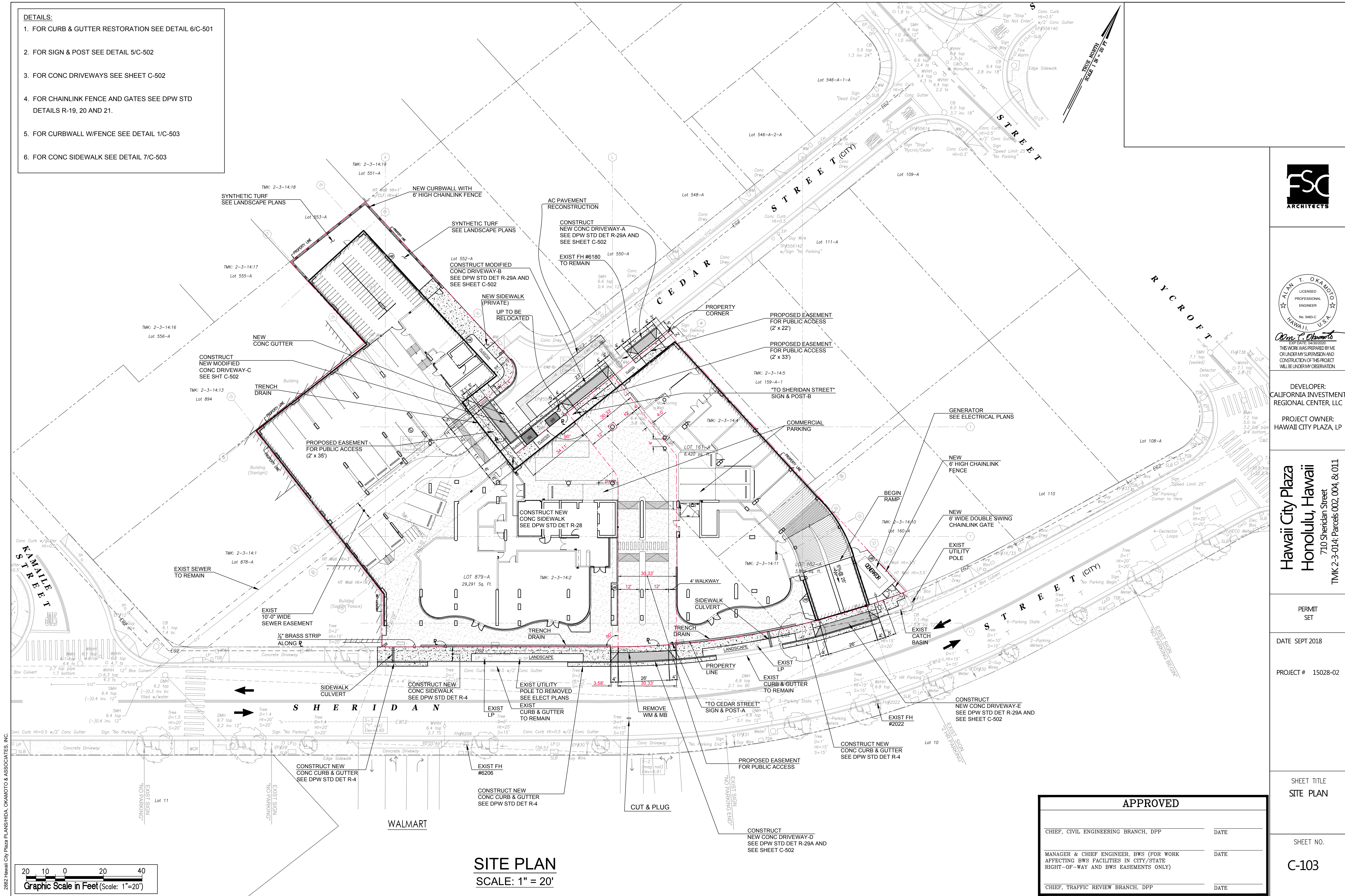
EXISTING	DESCRIPTION	NEW
	CONTOURS	
	SPOT GRADE	
	SILT FENCE	
	LIMITS OF GRADE/WORK	
	DRAINAGE FLOW	
	WATERLINE	
	SEWER LINE	
	DRAIN LINE	
	GAS LINE	

EXISTING	DESCRIPTION	NEW
	CONTOURS	
	SPOT GRADE	
	SILT FENCE	
	LIMITS OF GRADE/WORK	
	DRAINAGE FLOW	
	WATERLINE	
	SEWER LINE	
	DRAIN LINE	
	GAS LINE	

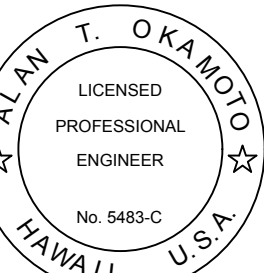
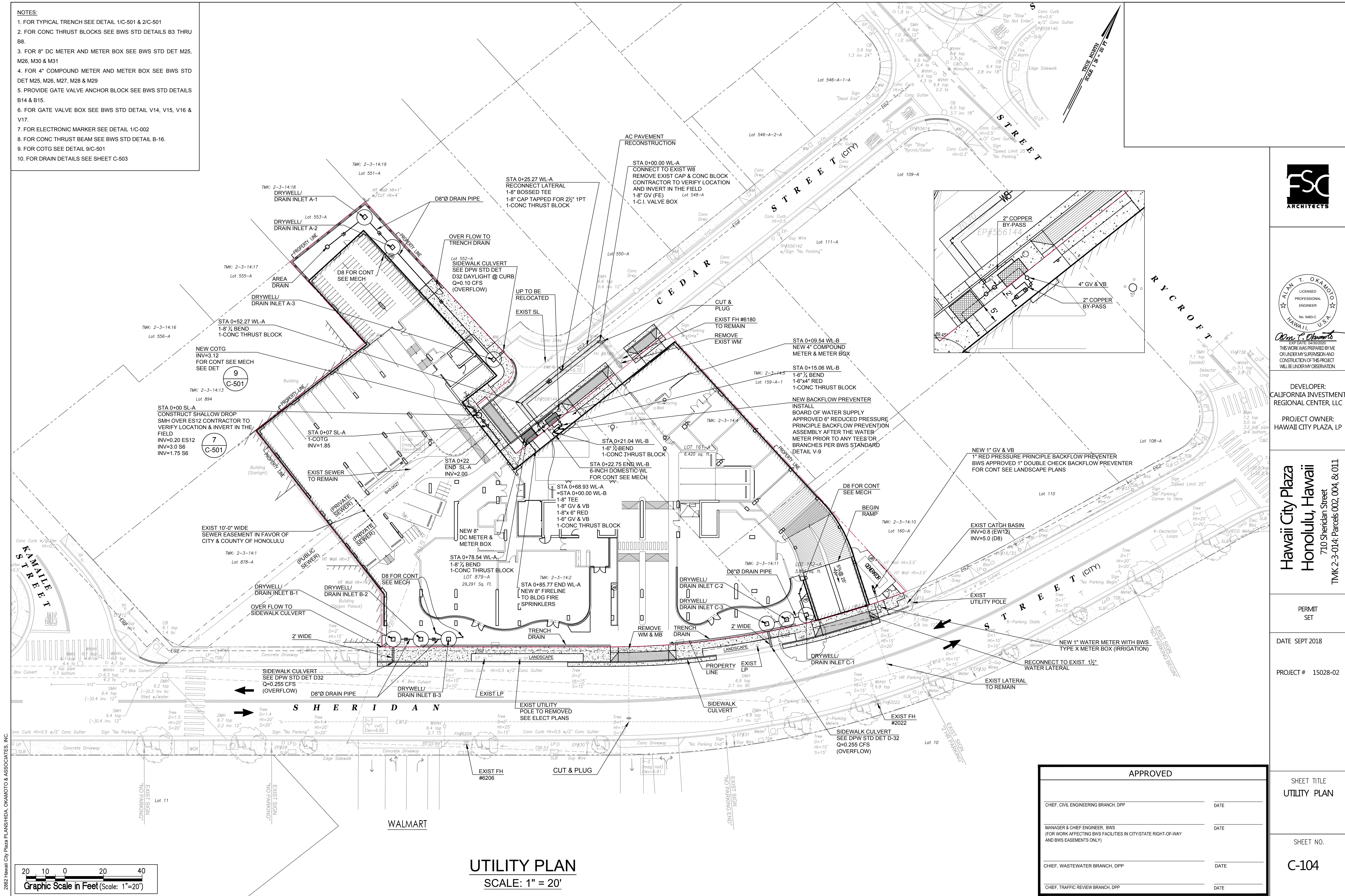
APPROVED	
_____ CHIEF, CIVIL ENGINEERING BRANCH, DPP	_____ DATE

APPROVED	
_____ CHIEF, CIVIL ENGINEERING BRANCH, DPP	_____ DATE

- DETAILS:**
1. FOR CURB & GUTTER RESTORATION SEE DETAIL 6/C-501
 2. FOR SIGN & POST SEE DETAIL 5/C-502
 3. FOR CONC DRIVEWAYS SEE SHEET C-502
 4. FOR CHAINLINK FENCE AND GATES SEE DPW STD DETAILS R-19, 20 AND 21.
 5. FOR CURBWALL W/FENCE SEE DETAIL 1/C-503
 6. FOR CONC SIDEWALK SEE DETAIL 7/C-503



- NOTES:
1. FOR TYPICAL TRENCH SEE DETAIL 1/C-501 & 2/C-501
 2. FOR CONC THRUST BLOCKS SEE BWS STD DETAILS B3 THRU B8.
 3. FOR 8" DC METER AND METER BOX SEE BWS STD DET M25, M26, M30 & M31
 4. FOR 4" COMPOUND METER AND METER BOX SEE BWS STD DET M25, M26, M27, M28 & M29
 5. PROVIDE GATE VALVE ANCHOR BLOCK SEE BWS STD DETAILS B14 & B15.
 6. FOR GATE VALVE BOX SEE BWS STD DETAIL V14, V15, V16 & V17.
 7. FOR ELECTRONIC MARKER SEE DETAIL 1/C-002
 8. FOR CONC THRUST BEAM SEE BWS STD DETAIL B-16.
 9. FOR COTG SEE DETAIL 9/C-501
 10. FOR DRAIN DETAILS SEE SHEET C-503



EXP. DATE: 04/30/2025
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
UTILITY PLAN

SHEET NO.

C-104

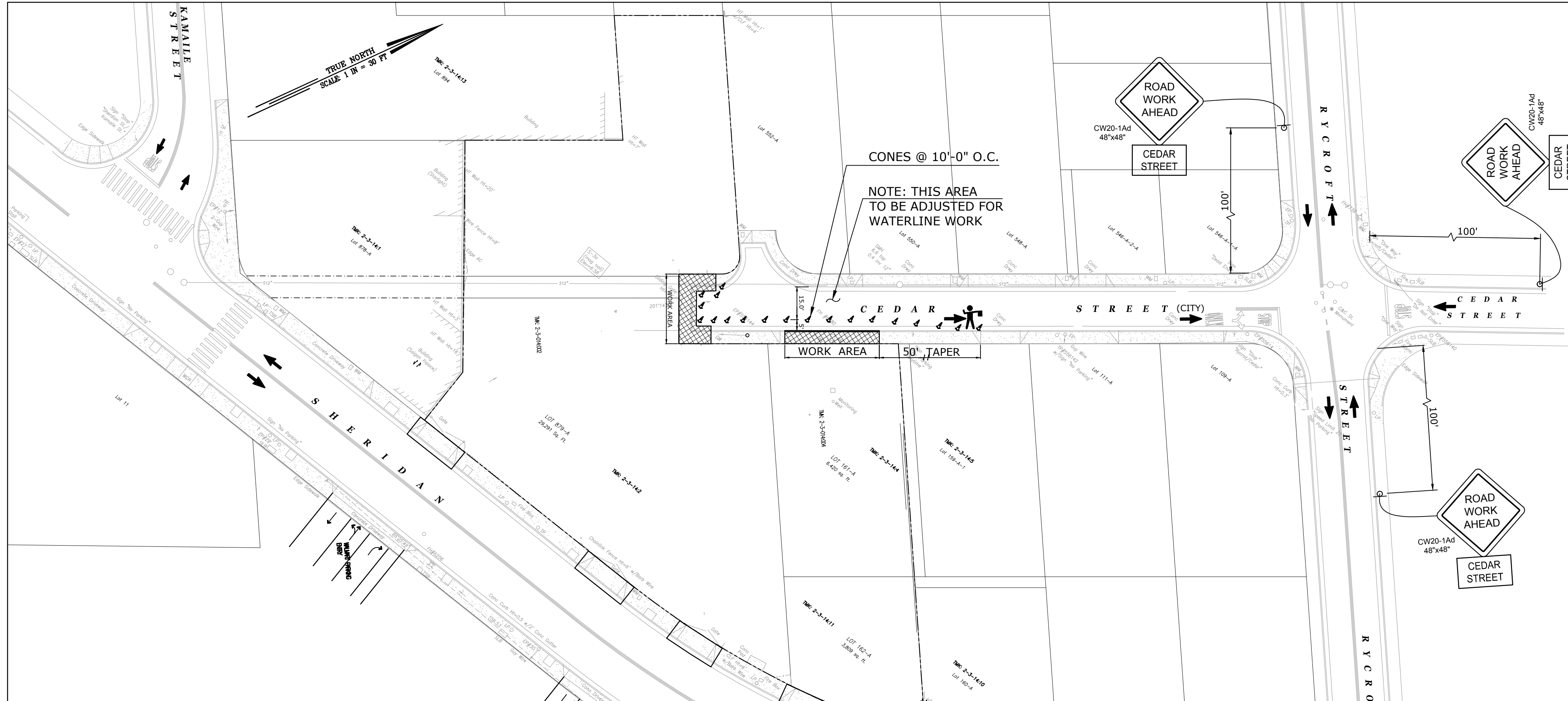
APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPP DATE

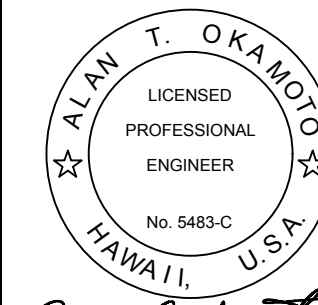
MANAGER & CHIEF ENGINEER, BWS
(FOR WORK AFFECTING BWS FACILITIES IN CITY/STATE RIGHT-OF-WAY
AND BWS EASEMENTS ONLY) DATE

CHIEF, WASTEWATER BRANCH, DPP DATE

CHIEF, TRAFFIC REVIEW BRANCH, DPP DATE



- ### GENERAL NOTES FOR TRAFFIC CONTROL PLAN
1. THE PERMITTEE SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
 2. CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
 3. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICES FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST, THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
 4. REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED.
 5. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
 6. WHEN REQUIRED BY THE ISSUING OFFICE, THE PERMITTEE SHALL INSTALL A FLASHING SIGNAL AS SHOWN ON THE TRAFFIC CONTROL PLANS.
 7. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
 8. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
 9. THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E. WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
 10. LANE CLOSURE SHALL BE LIMITED ONLY TO THE EXTENT OF ACCOMPLISHING EACH DAY'S WORK. AS SOON AS DAY'S WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION. EXISTING FADED OR OBLITERATED PAVEMENT MARKINGS THAT ARE NECESSARY FOR SAFE TRAFFIC FLOW IN THE CONSTRUCTION AREA SHALL BE REPLACED WITH TEMPORARY OR PERMANENT MARKINGS BEFORE OPENING THE ROADWAY TO PUBLIC TRAFFIC EACH DAY.
 11. PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL BE REPLACED UPON COMPLETION OF EACH PHASE OF WORK.
 12. CONES OR DELINEATORS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 10 FEET APART. A MINIMUM OF SIX CHANNELIZING DEVICES SHALL BE USED FOR EACH TAPER LENGTH.
 13. DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTY USING RIGHT- OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY. FURTHER, THE PERMITTEE SHALL CONTROL TRAFFIC GOING IN AND OUT OF DRIVEWAYS.
 14. BUFFER AND TAPER AREAS ON APPROACH TO ANY WORK AREA SHALL BE KEPT CLEAR OF VEHICLES AND EQUIPMENT.
 15. A HIGH LEVEL WARNING DEVICE (FLAG TREE) SHALL BE INSTALLED ON APPROACH TO ALL WORK AREAS.
 16. "NO PARKING" SIGNS SHALL BE POSTED WITHIN ANY WORK AREA AND FOR BUFFER AND TAPER AREAS APPROACHING THE WORK AREA.
 17. TRAFFIC CONTROL PLANS ARE APPROVED FOR WORK ON ANY CITY STREET AREA ONLY BETWEEN THE HOURS OF 8:30 A.M. AND 3:30 P.M. MONDAY TO FRIDAY.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

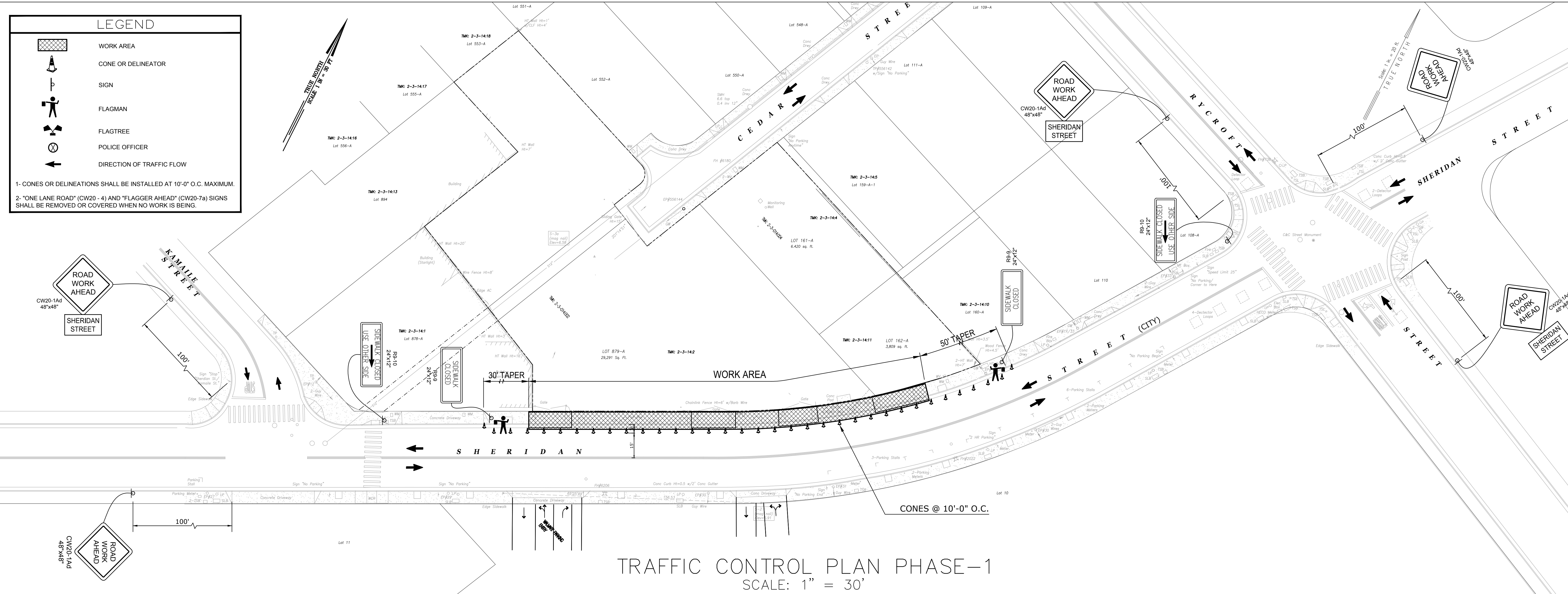
DATE SEPT 2018

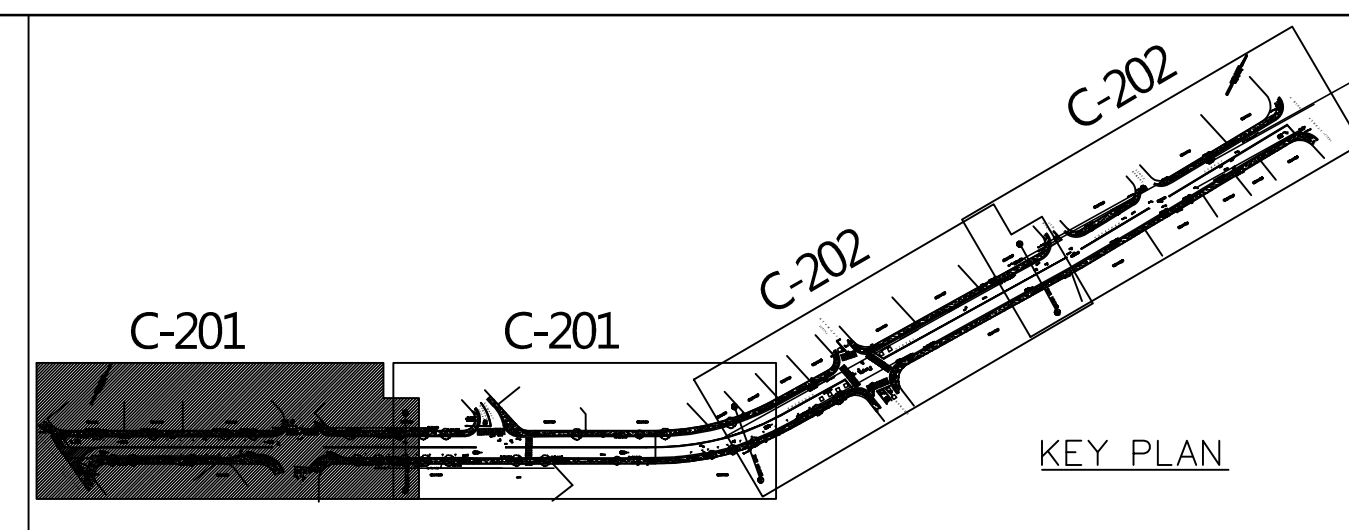
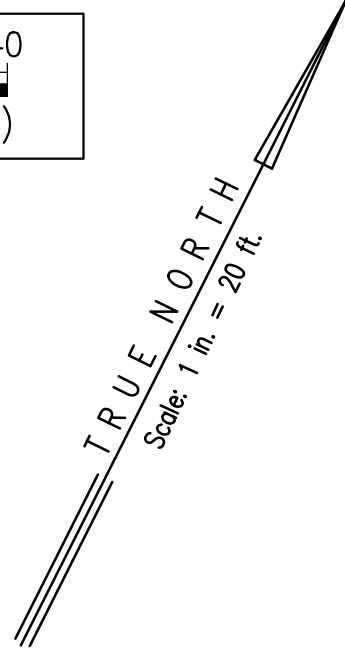
PROJECT # 15028-02

SHEET TITLE
TRAFFIC CONTROL
PLAN

SHEET NO.

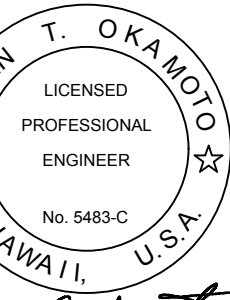
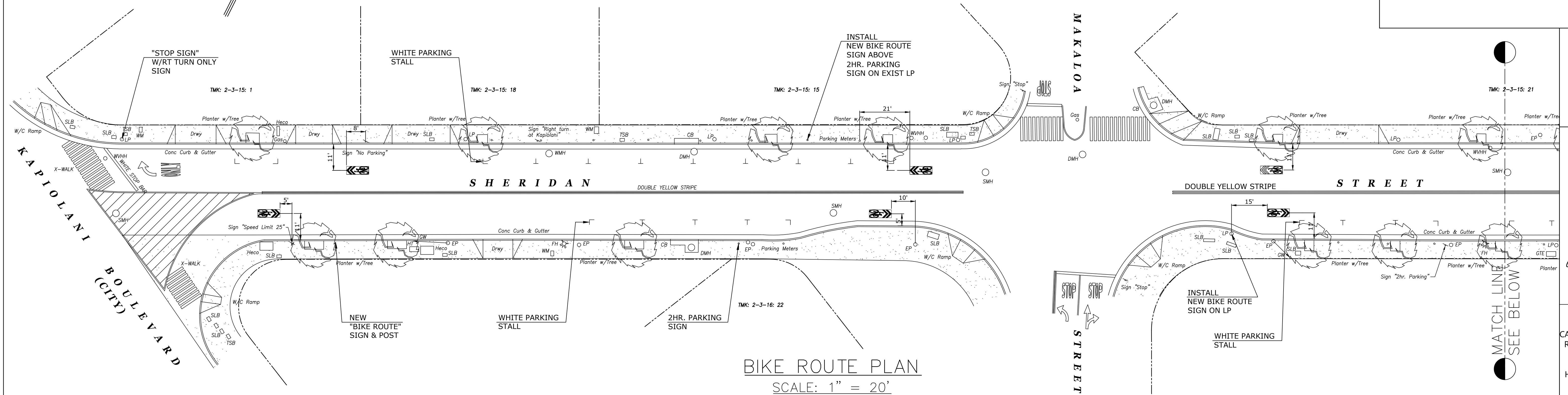
C-105





NOTE:

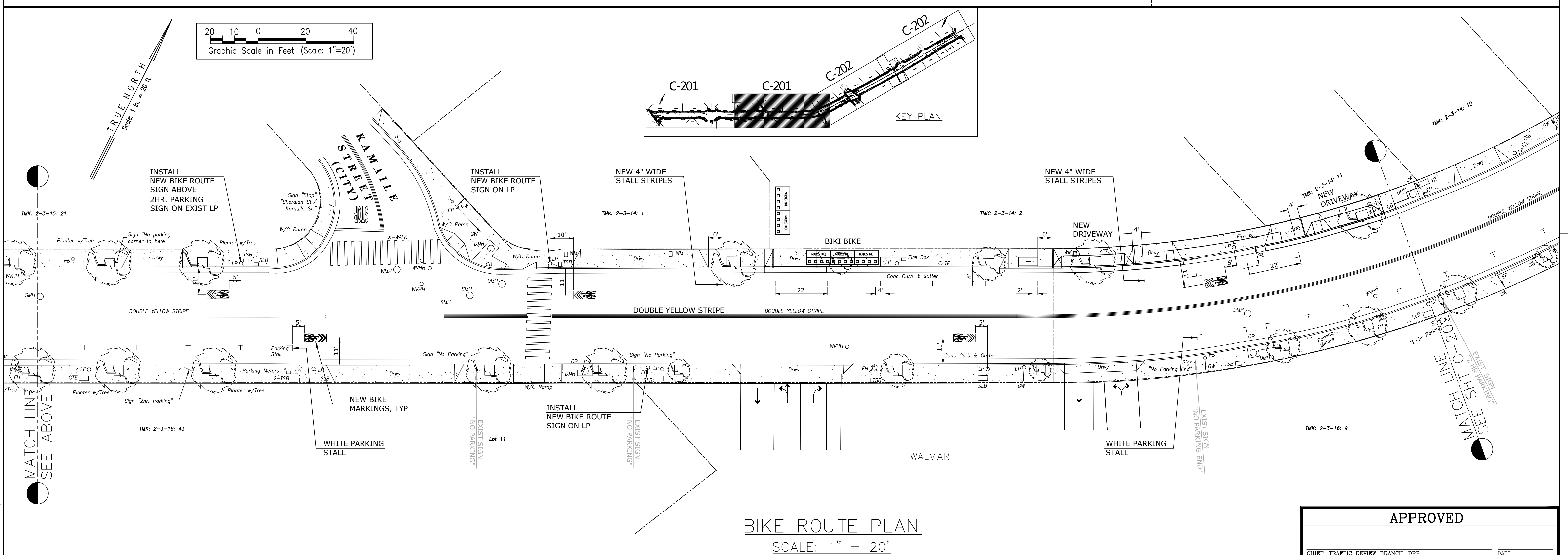
1. FOR BIKE ROUTE DETAILS SEE SHEET C-203



EXP DATE: 04/30/2020
WORK WAS PREPARED BY ME
UNDER MY SUPERVISION AND
INSTRUCTION OF THIS PROJECT
UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
COUNCIL, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, L



Honolulu, Hawaii
710 Sheridan Street

PERMIT
SET

SEPT 2018

ECT # 15028-01

SHEET TITLE
BIKE ROUTE
PLAN

SHEET NO.

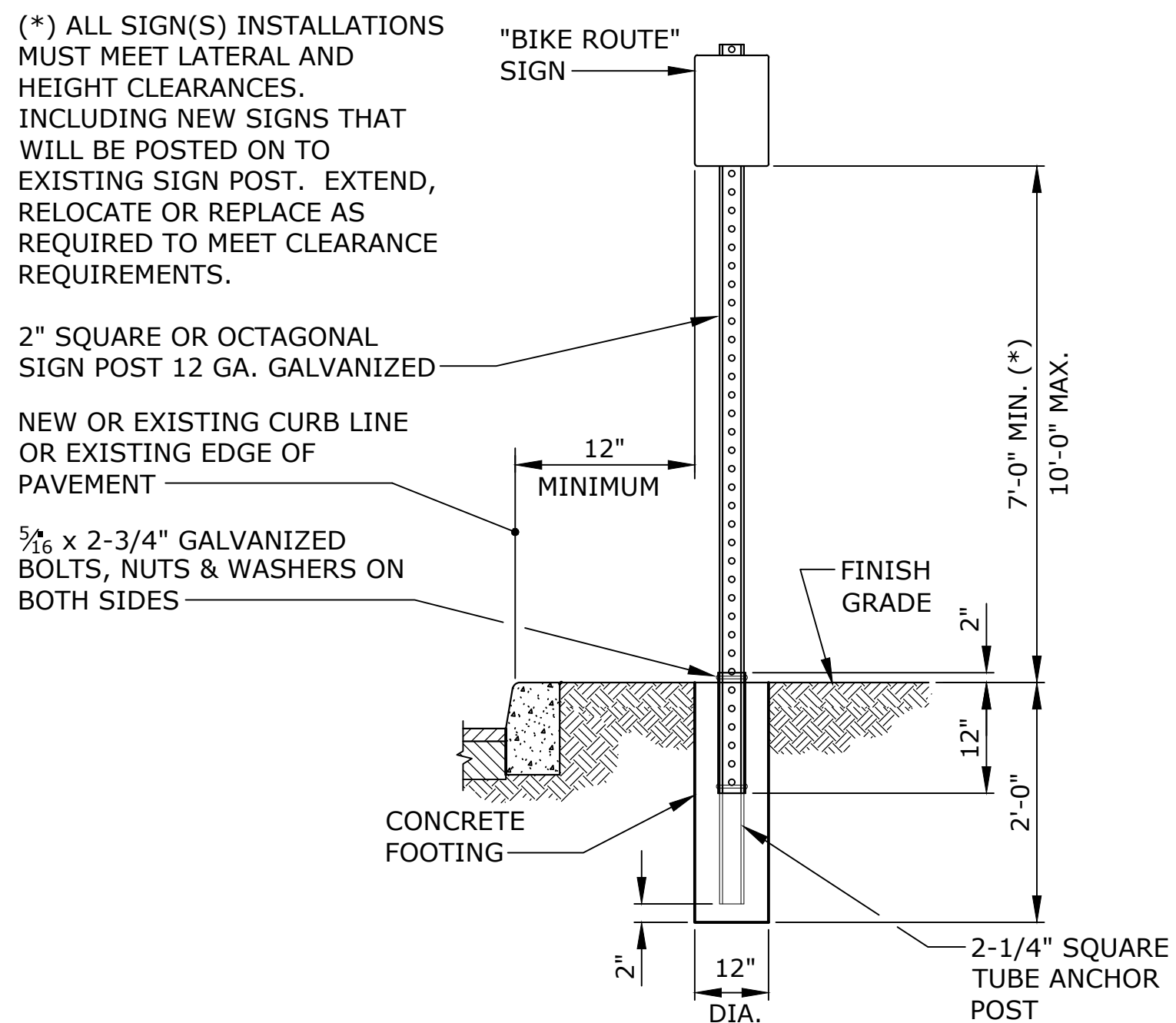
C-201

APPROVED

CHIEF, TRAFFIC REVIEW BRANCH, DPP

DATE _____

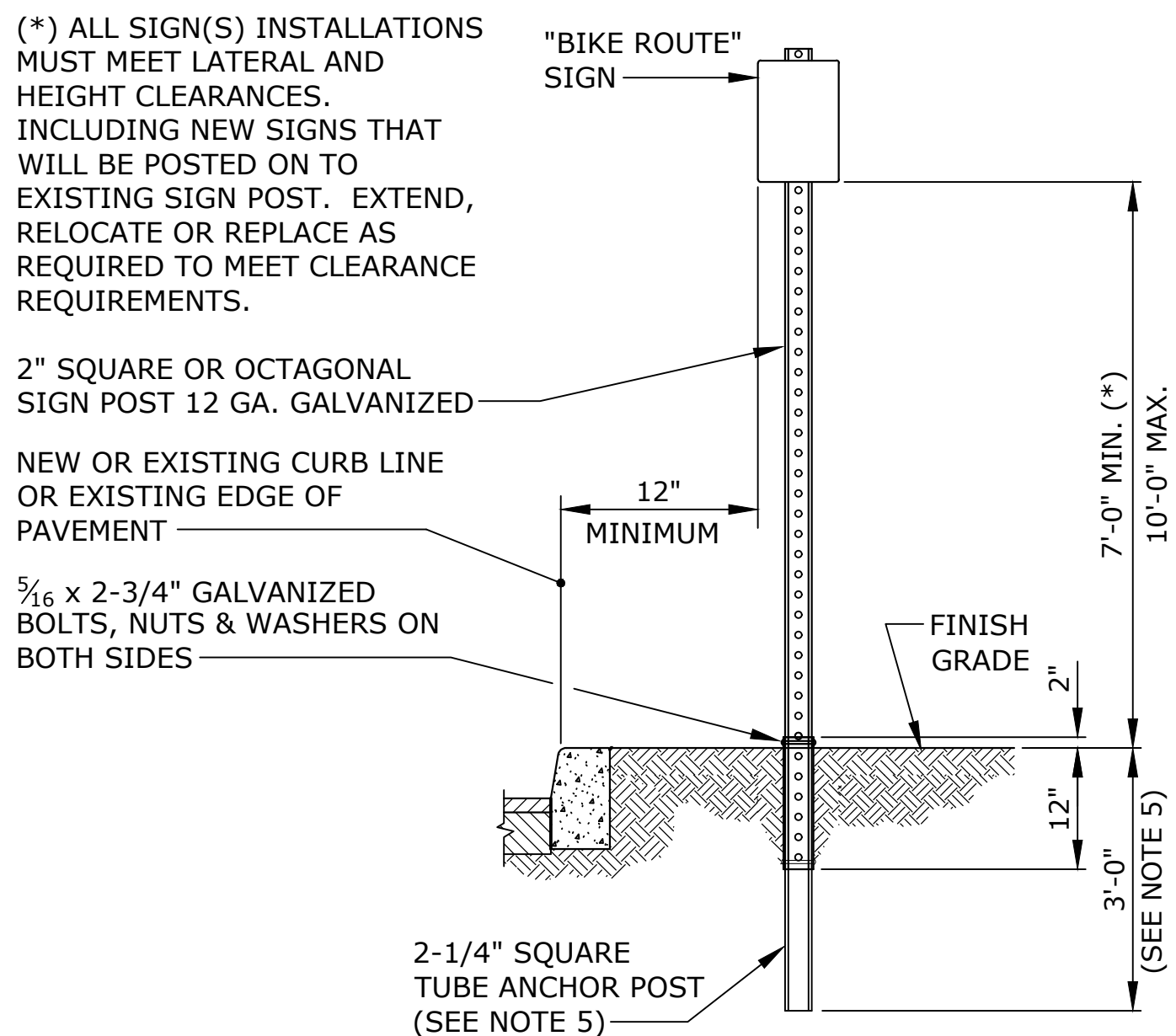
1. KEEP INSIDE OF 2-1/4" ANCHOR POST FREE FROM IMPEDIMENTS THAT MAY PREVENT PROPER SEATING OF 2" SIGN POST.
2. SQUARE TUBING SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIAMETER HOLES AT 1" O.C. ON FOUR SIDES.
3. OCTAGON SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIAMETER HOLES AT 1" O.C. ON TWO SIDES.
4. USE 5/16" x 2-3/4" BOLTS TO SECURE THE OCTAGONAL AND SQUARE TUBING POST ONTO THE 2-1/4" SQUARE TUBE ANCHOR POST.



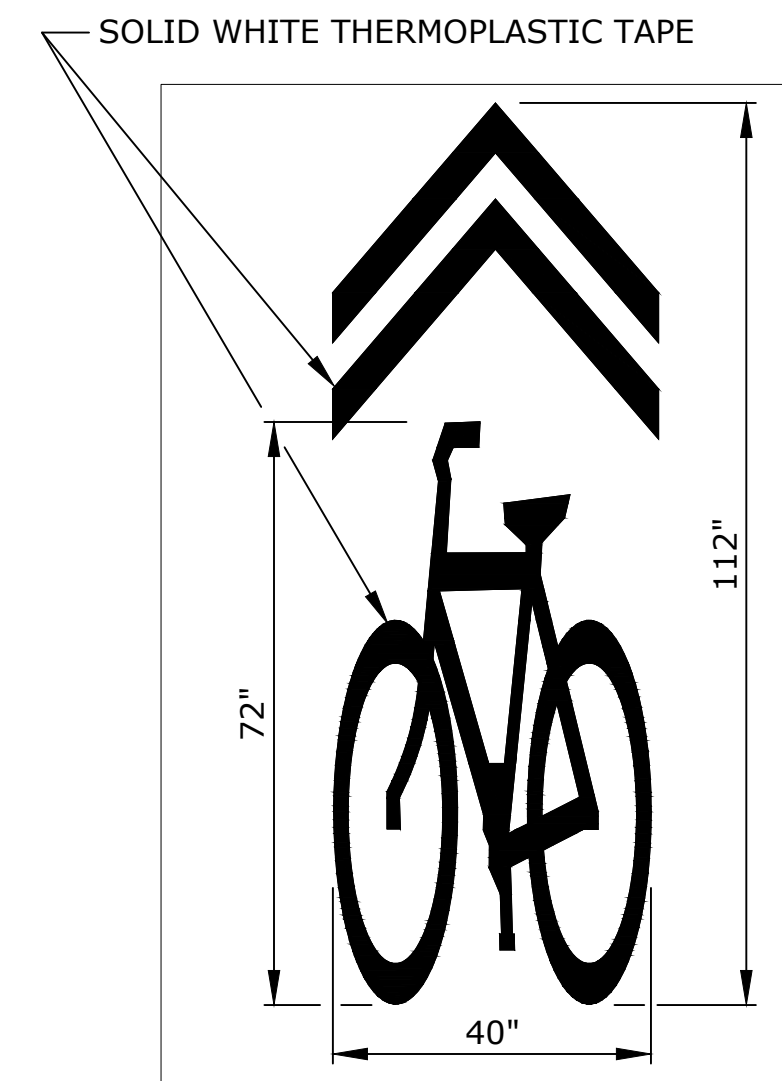
INSTALLATION OF NEW OR RELOCATED SIGN POST WITH CONCRETE FOOTING

1. KEEP INSIDE OF 2-1/4" ANCHOR POST FREE FROM IMPEDIMENTS THAT MAY PREVENT PROPER SEATING OF 2" SIGN POST.
2. SQUARE TUBING SIGN POST SHALL BE TELESOPING TYPE WITH 7/16" DIAMETER HOLES AT 1" O.C. ON FOUR SIDES.
3. OCTAGON SIGN POST SHALL BE TELESOPING TYPE WITH 7/16" DIAMETER HOLES AT 1" O.C. ON TWO SIDES.
4. USE 5/16" x 2-3/4" BOLTS TO SECURE THE OCTAGONAL AND SQUARE TUBING POST ONTO THE 2-1/4" SQUARE TUBE ANCHOR POST.
5. MINIMUM BURY DEPTH FOR THE 2-1/4" ANCHOR POST SHALL BE AS FOLLOWS:

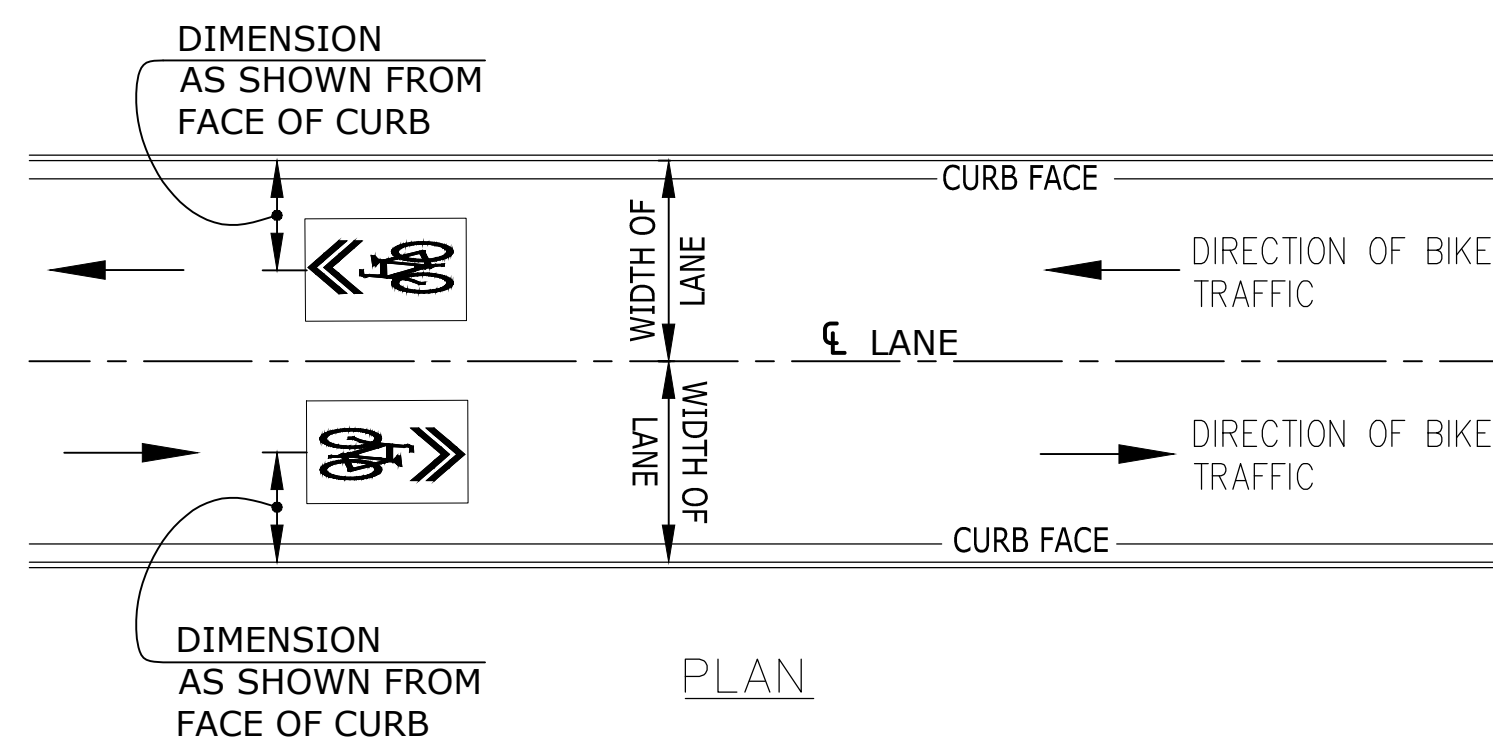
4'-0" MINIMUM AT POOR SOIL CONDITIONS
2'-6" MINIMUM AT ROCKY CONDITIONS



INSTALLATION OF NEW OR RELOCATED SIGN POST WITHOUT CONCRETE FOOTING



LANE MARKING



PLAN

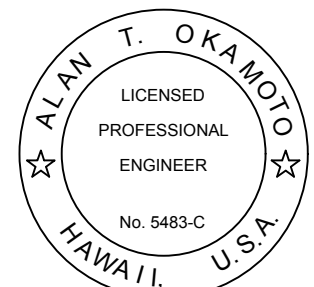


D11-1
24" x 18"

BIKE ROUTE SIGN

SCALE
NONE

4



Ben C. Okamoto
EXP DATE: 04/30/2020
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTME
REGIONAL CENTER, LL

PROJECT OWNER:
HAWAII CITY PLAZA, L

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
BIKE ROUTE
DETAILS

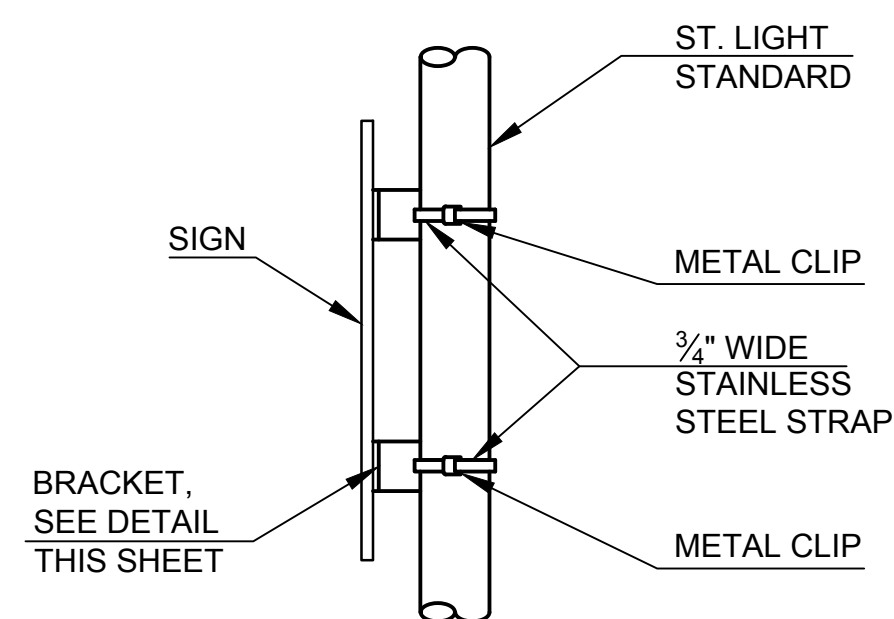
SHEET NO.

C-203

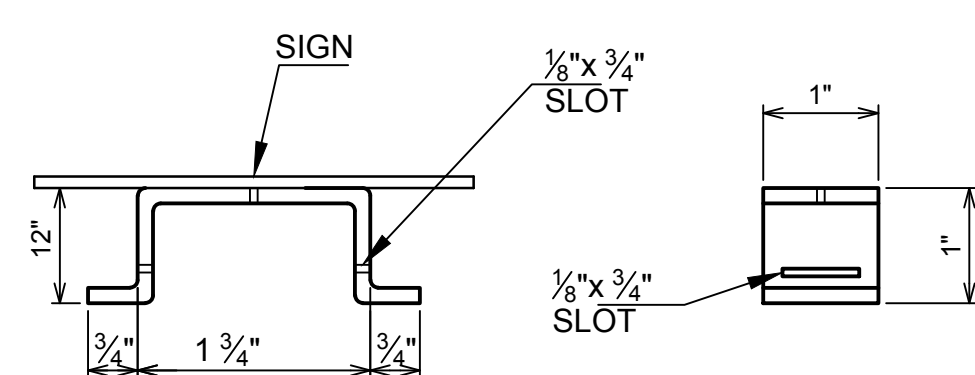
SIGN POST

SCALE	1
NONE	

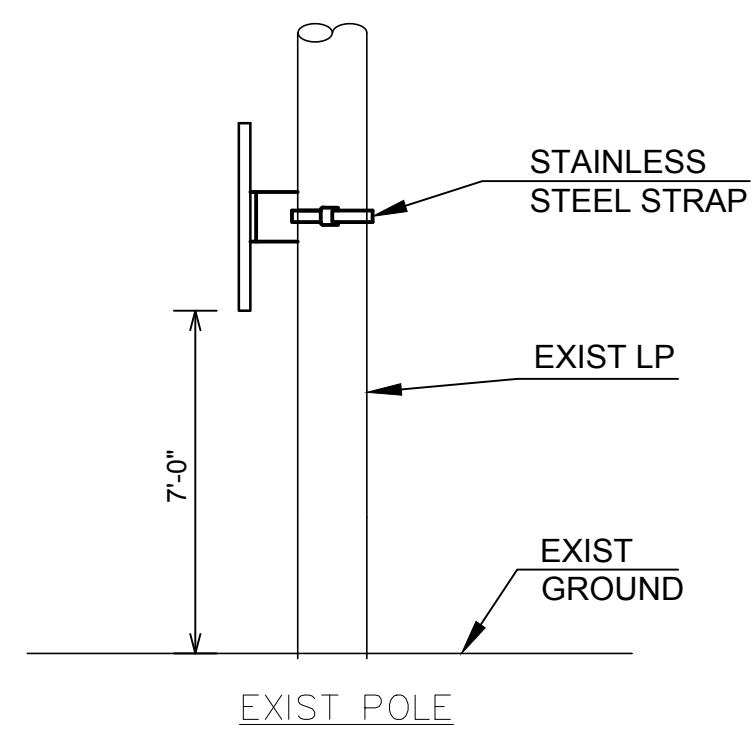
(1



BRACKET STRAP
NO SCALE



SIGN BRACKET
NO SCALE



EXIST POLE

SCALE
NONE

5

SCALE	2
NONE	

2

SHARED LANE MARKINGS

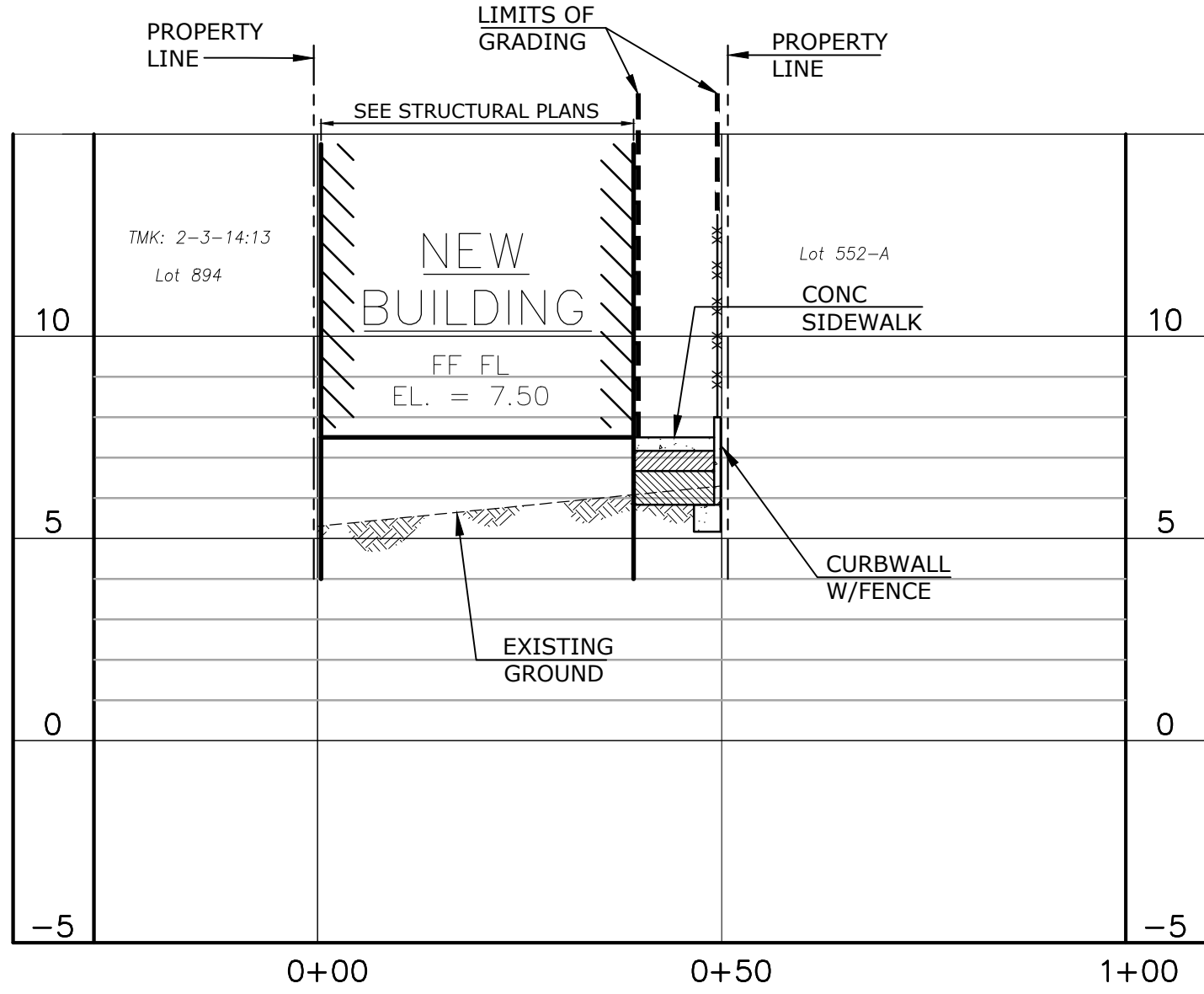
SCALE	3
NONE	

(c)

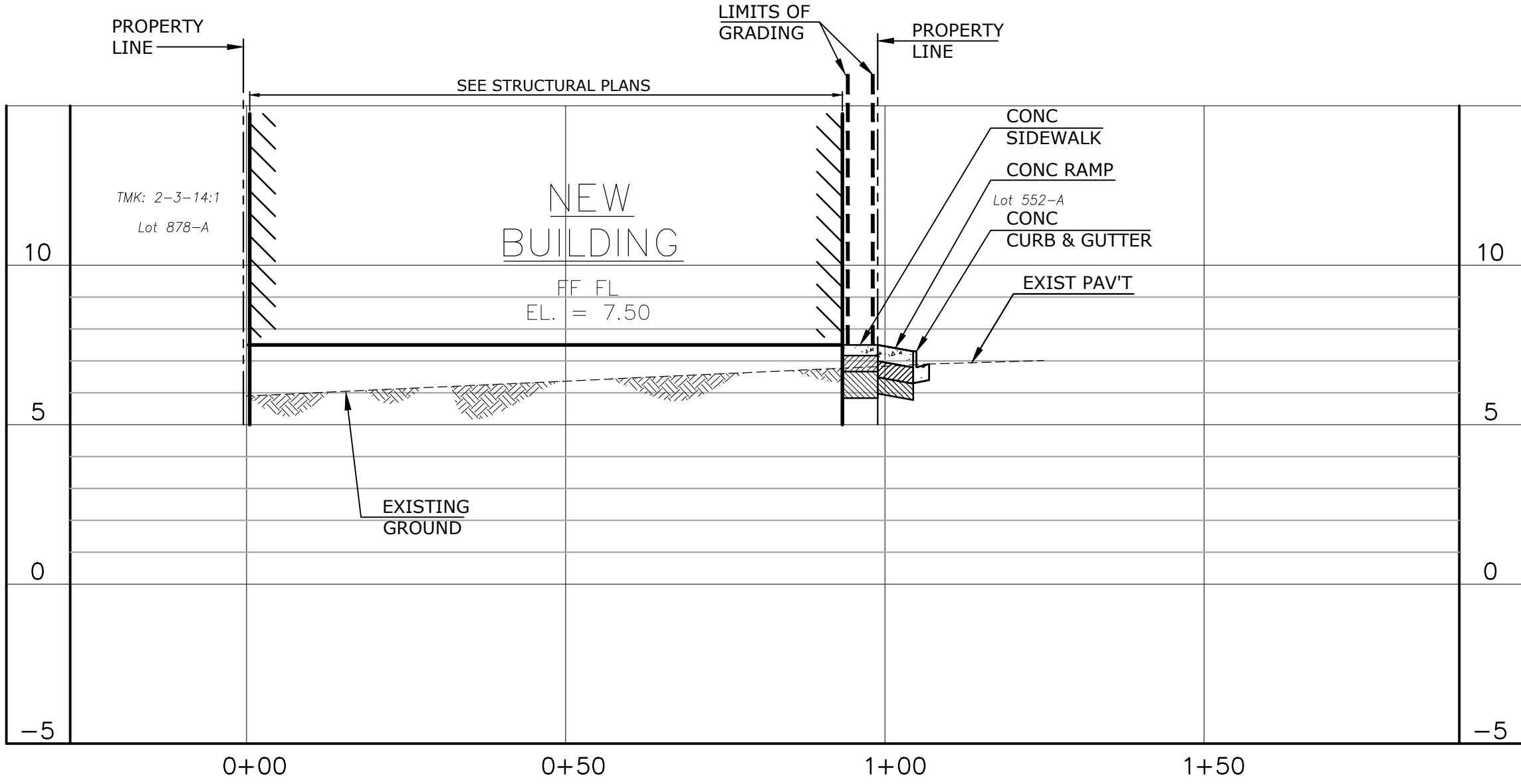
APPROVED

CHIEF, TRAFFIC REVIEW BRANCH, DPP

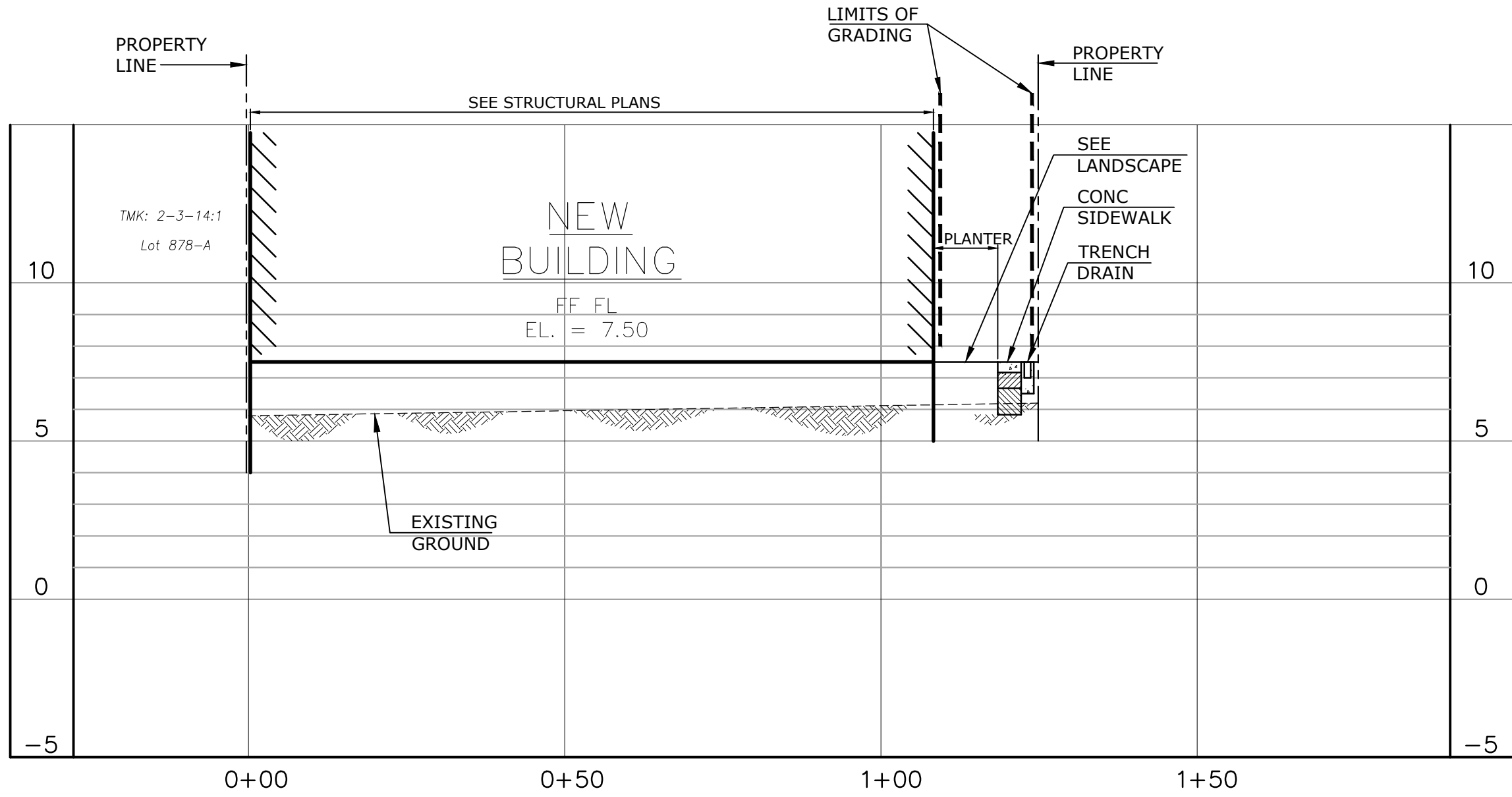
DATE _____



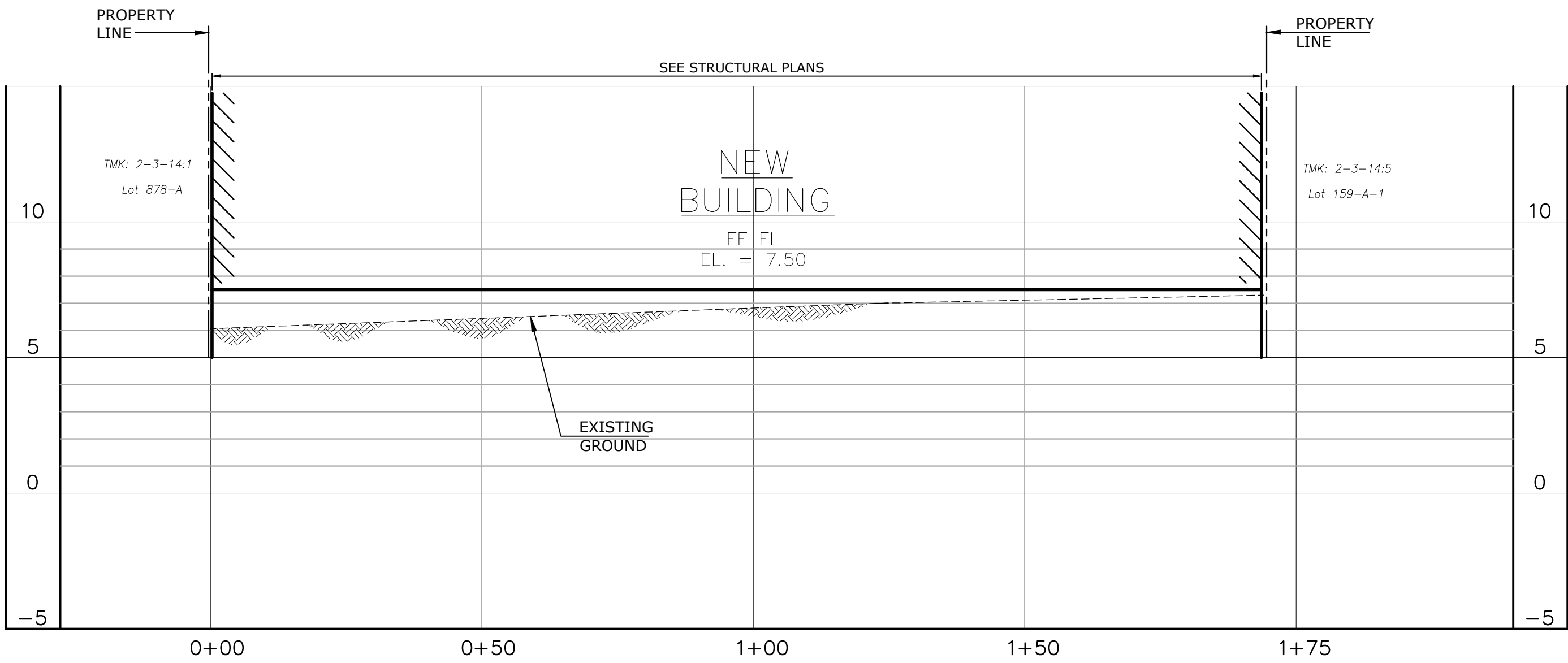
SECTION A-A
SCALE: HORIZ 1" = 20'
VERT 1" = 4'



SECTION C-C
SCALE: HORIZ 1" = 20'
VERT 1" = 4'



SECTION B-B
SCALE: HORIZ 1" = 20'
VERT 1" = 4'

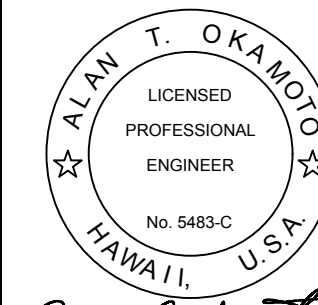


SECTION D-D
SCALE: HORIZ 1" = 20'
VERT 1" = 4'



NOTE:

1. BUILDING FOUNDATION UNDER SEPARATE PERMIT.



EXP. DATE: 04/30/2025
THIS WORK WAS PREPARED BY ME
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WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
SITE SECTIONS

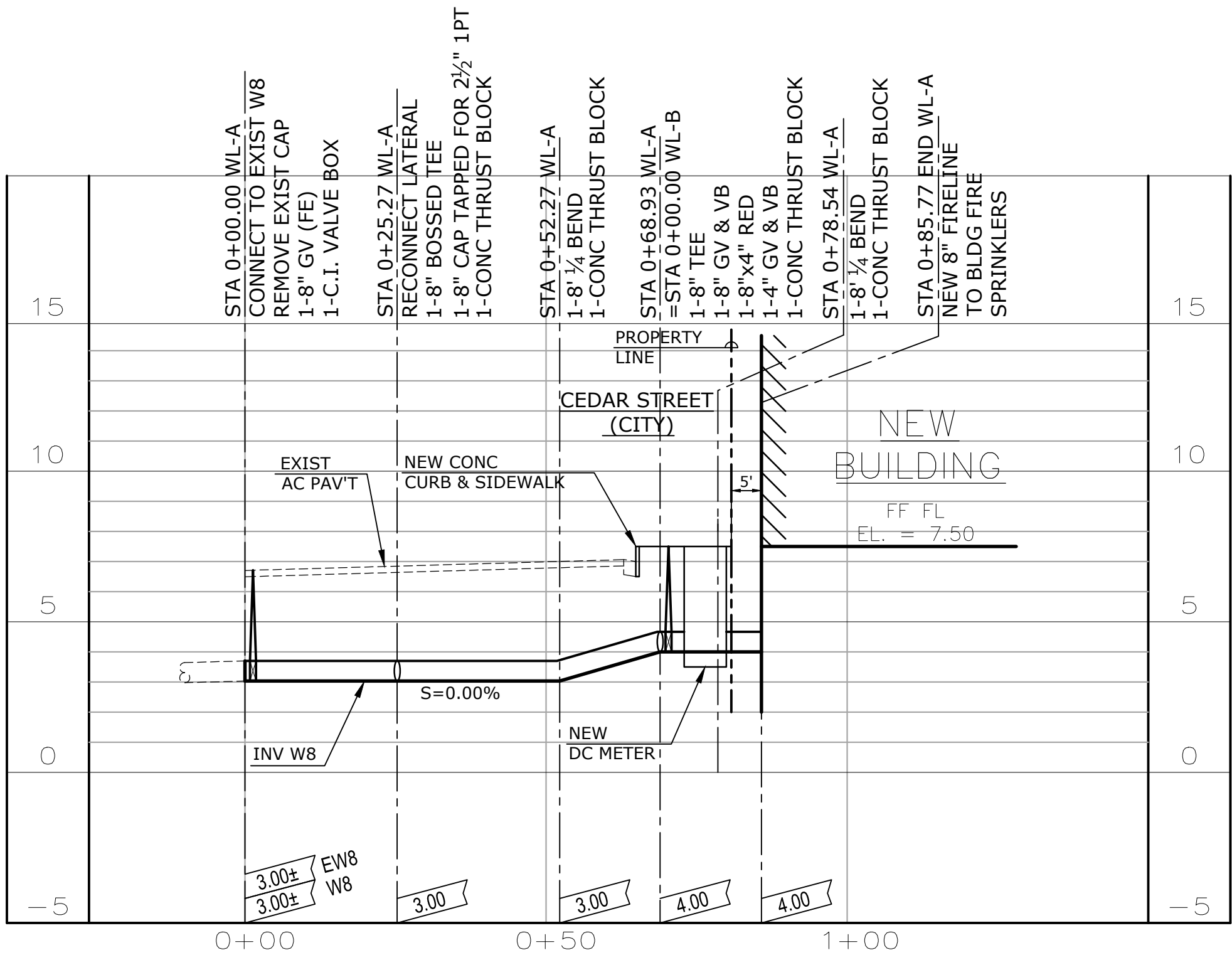
SHEET NO.

C-301

APPROVED

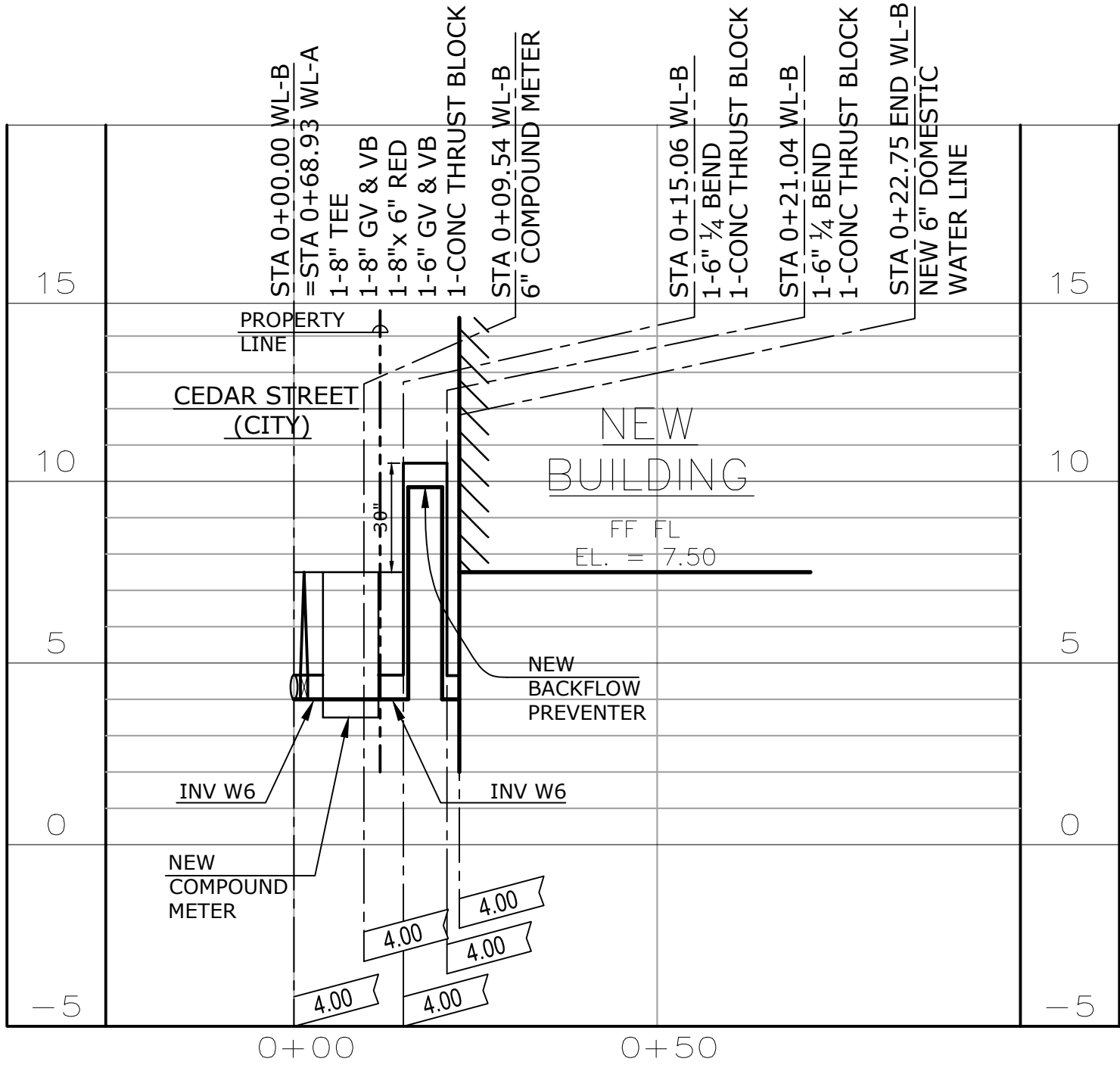
CHIEF, CIVIL ENGINEERING BRANCH, DPP

DATE



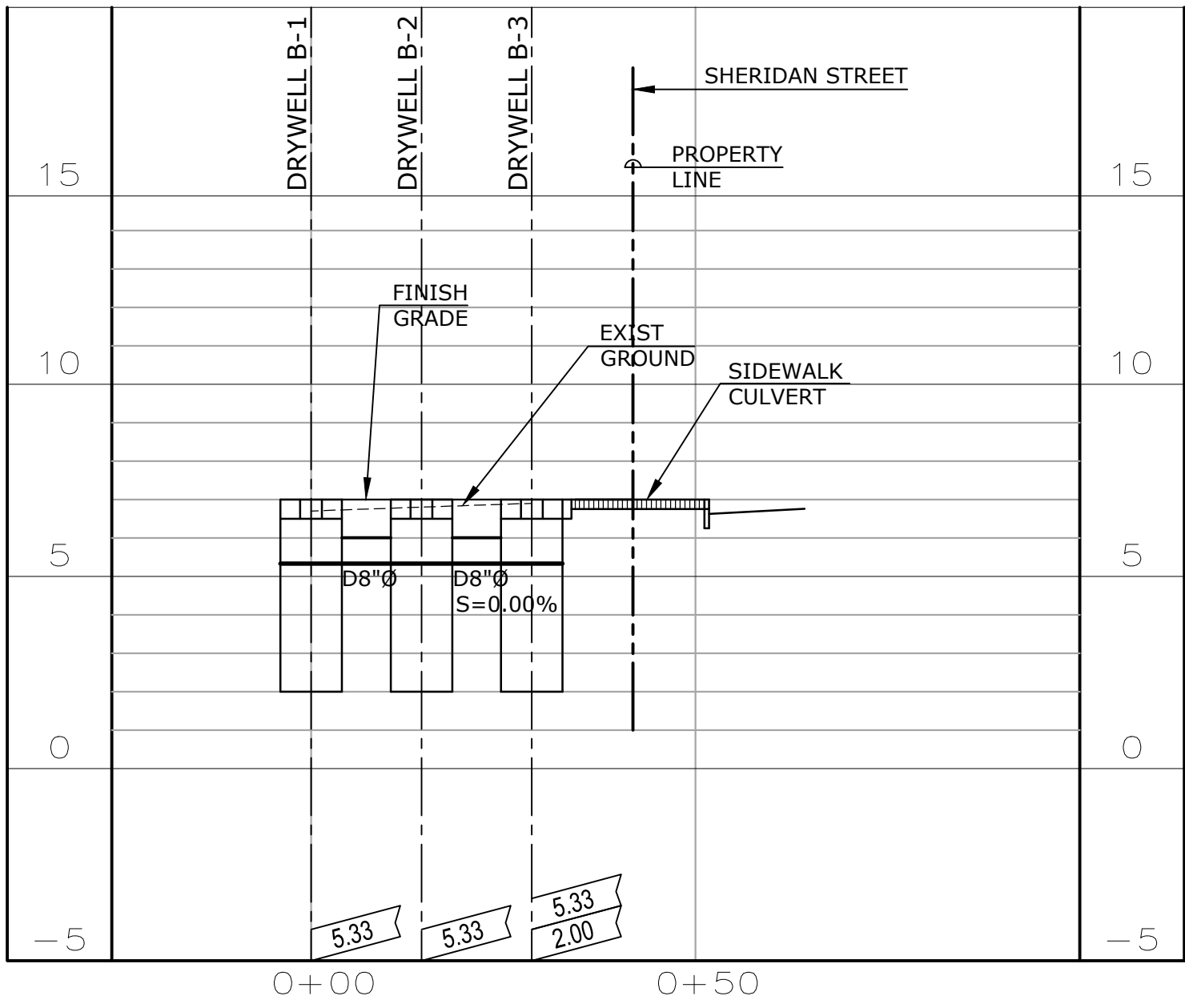
8" WATERLINE-A PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



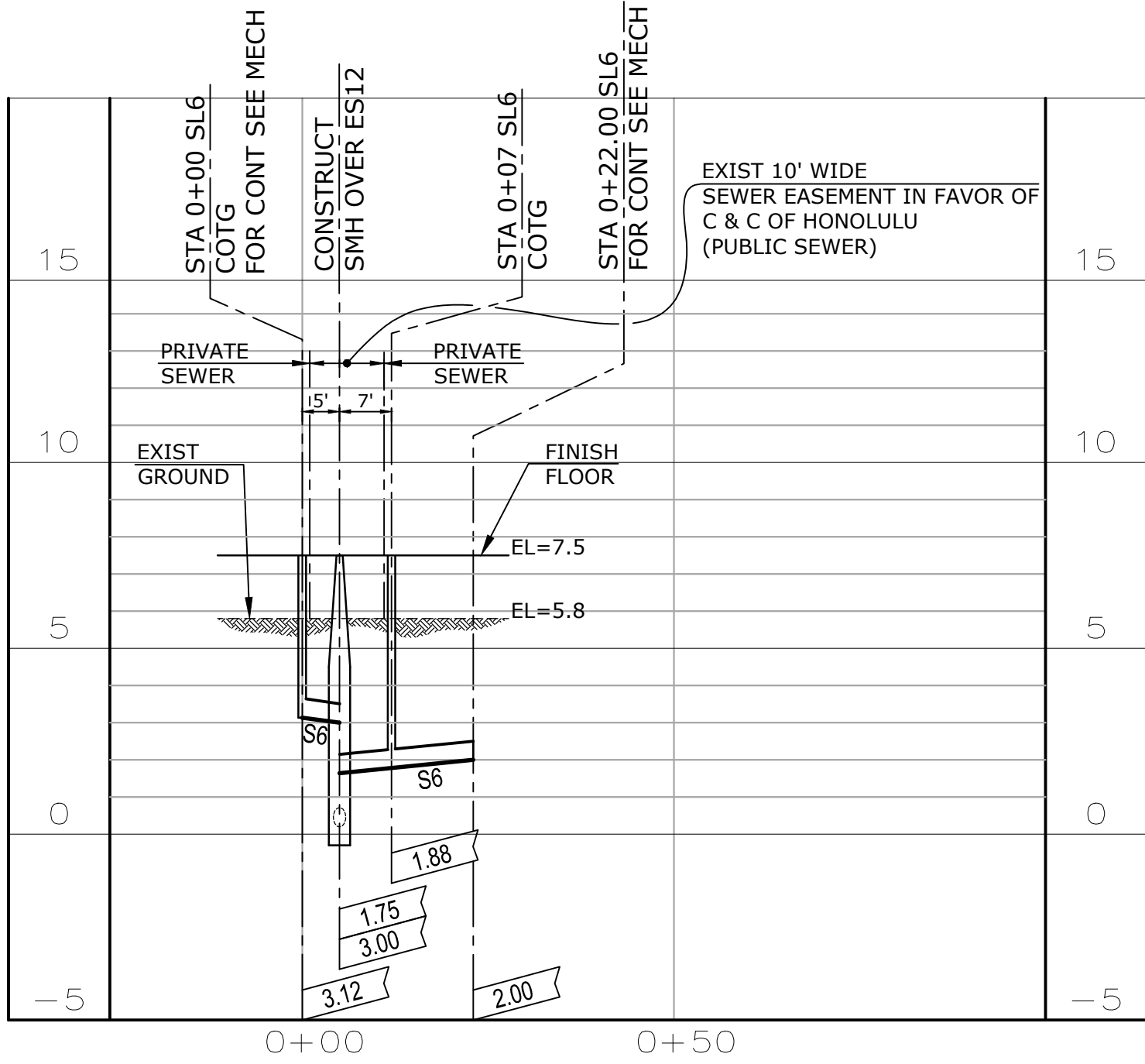
6" WATERLINE-B PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



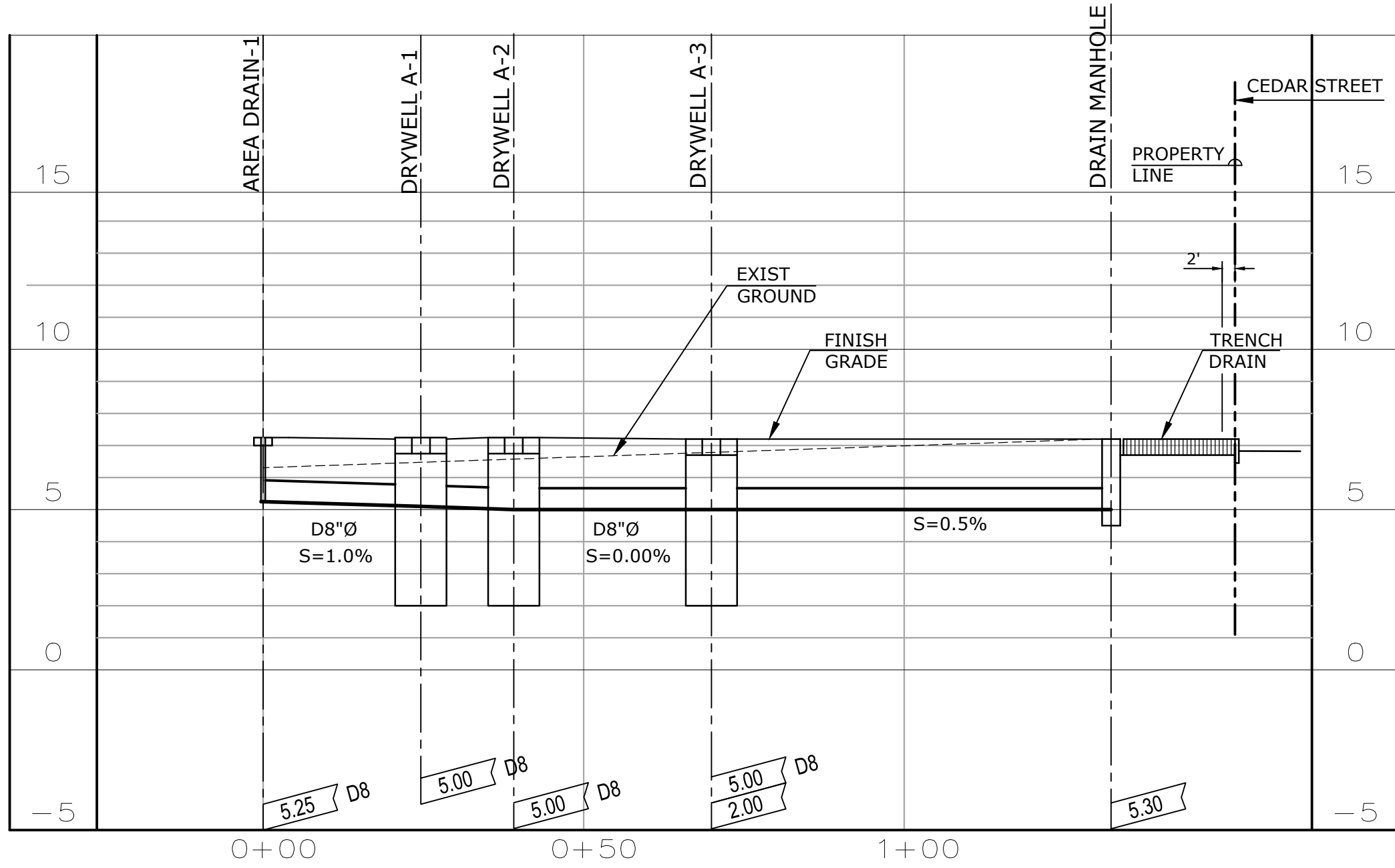
DRYWELL-B PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



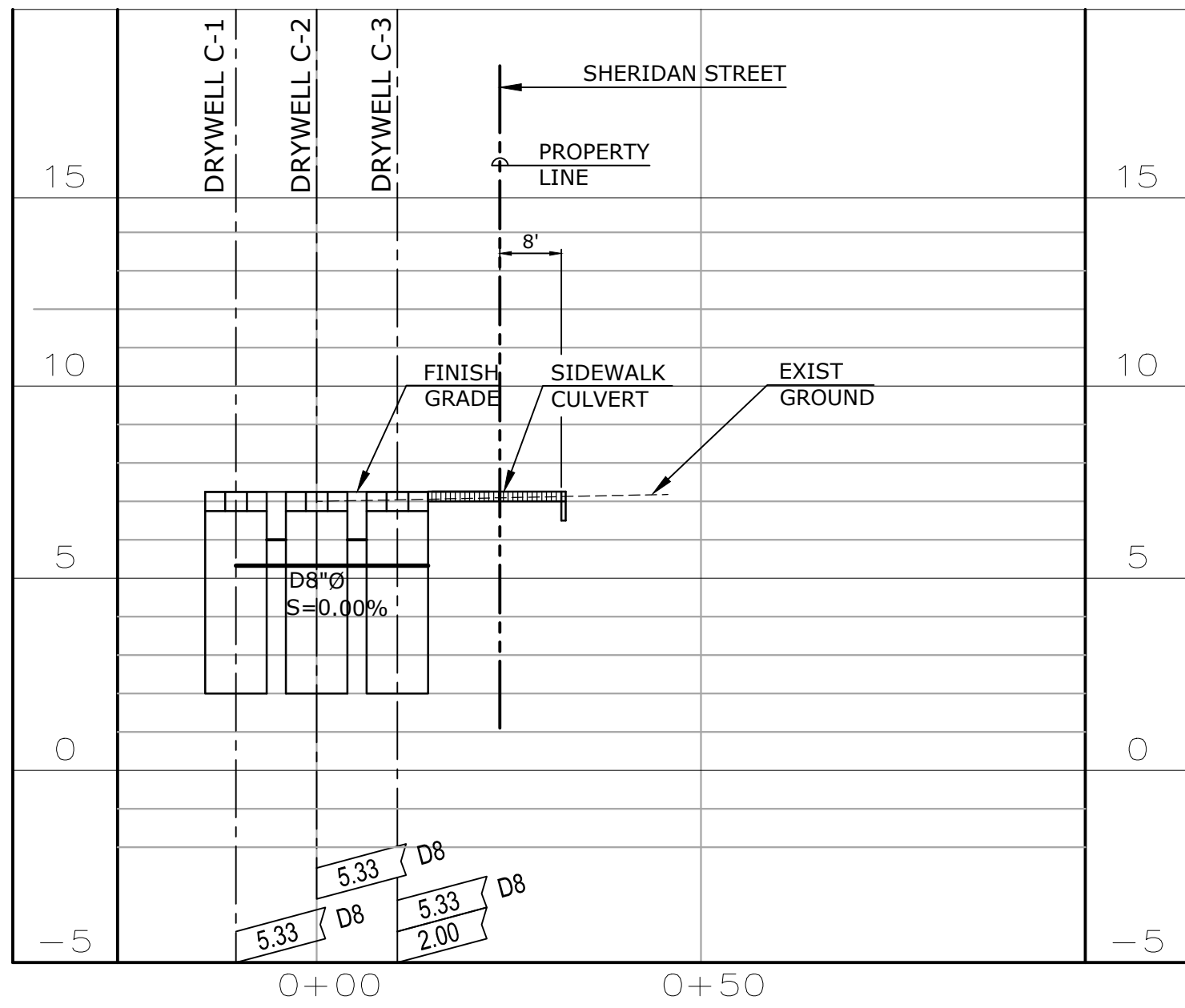
6" SEWERLINE PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



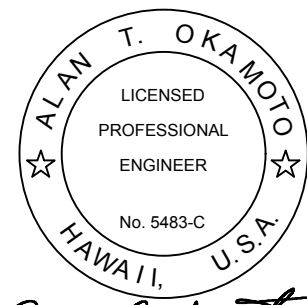
DRYWELL-A PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



DRYWELL-C PROFILE

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



EXP. DATE: 04/30/2025
THIS WORK WAS PREPARED BY ME
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WILL BE UNDER MY OBSERVATION.

DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
UTILITY PROFILES

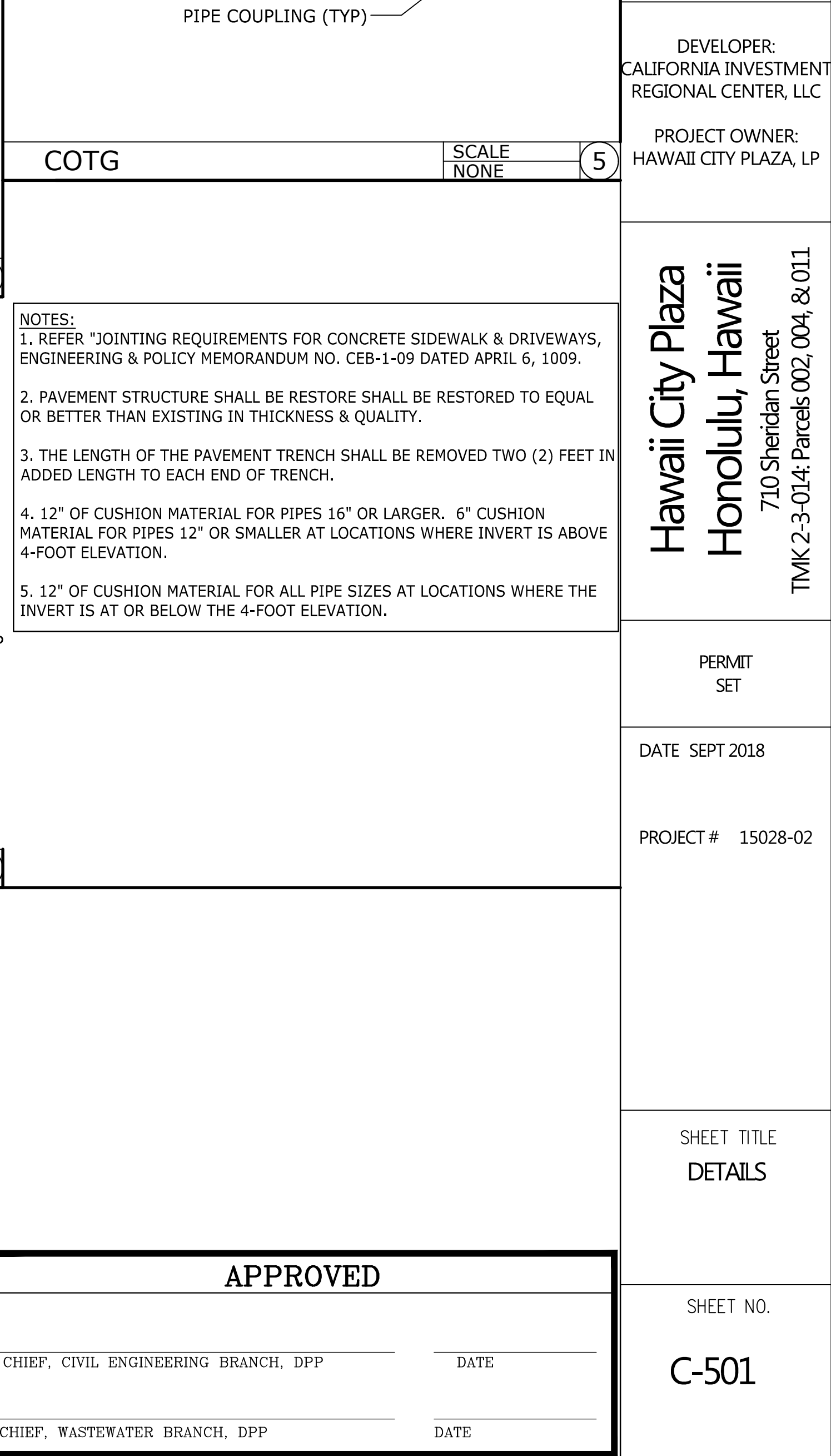
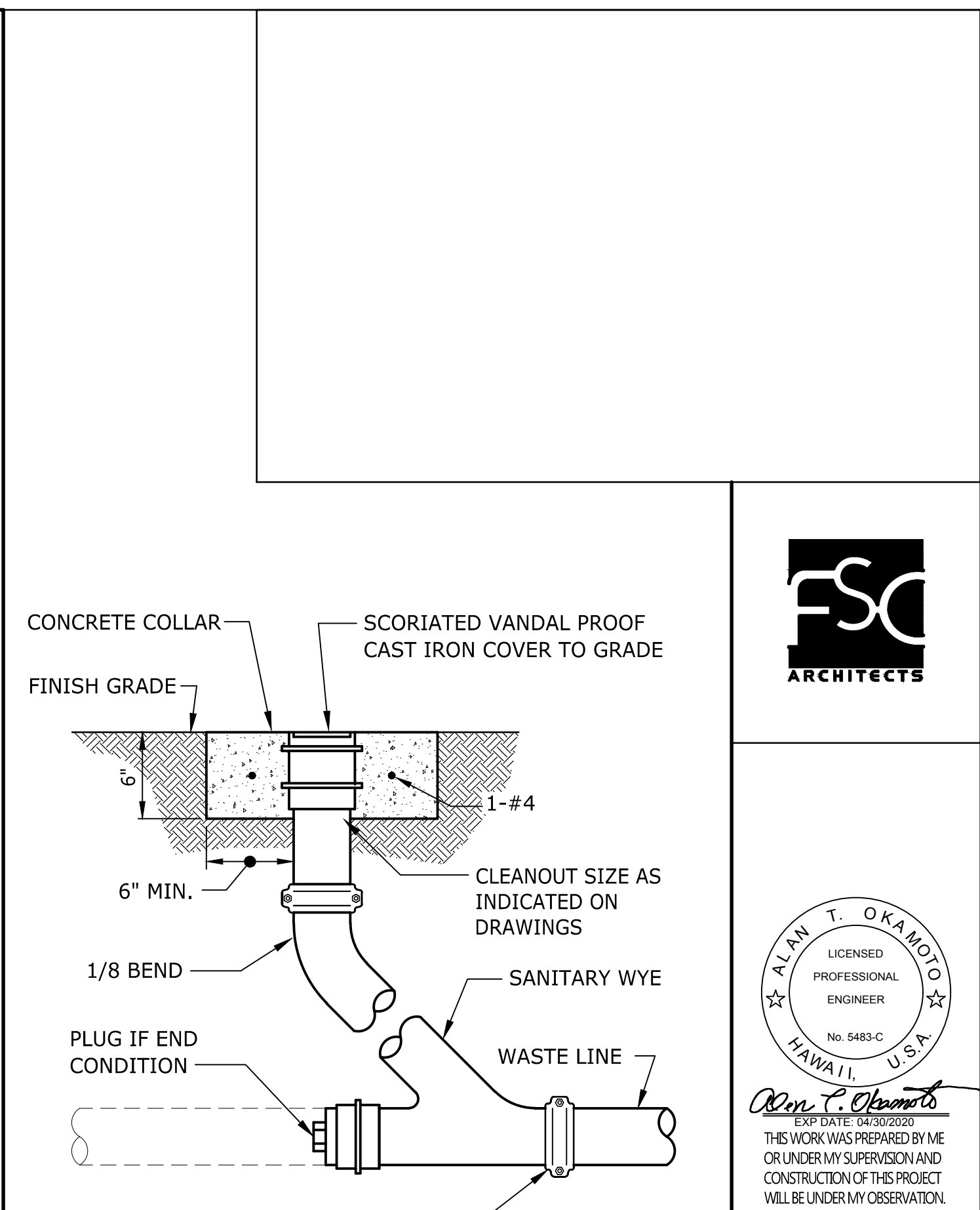
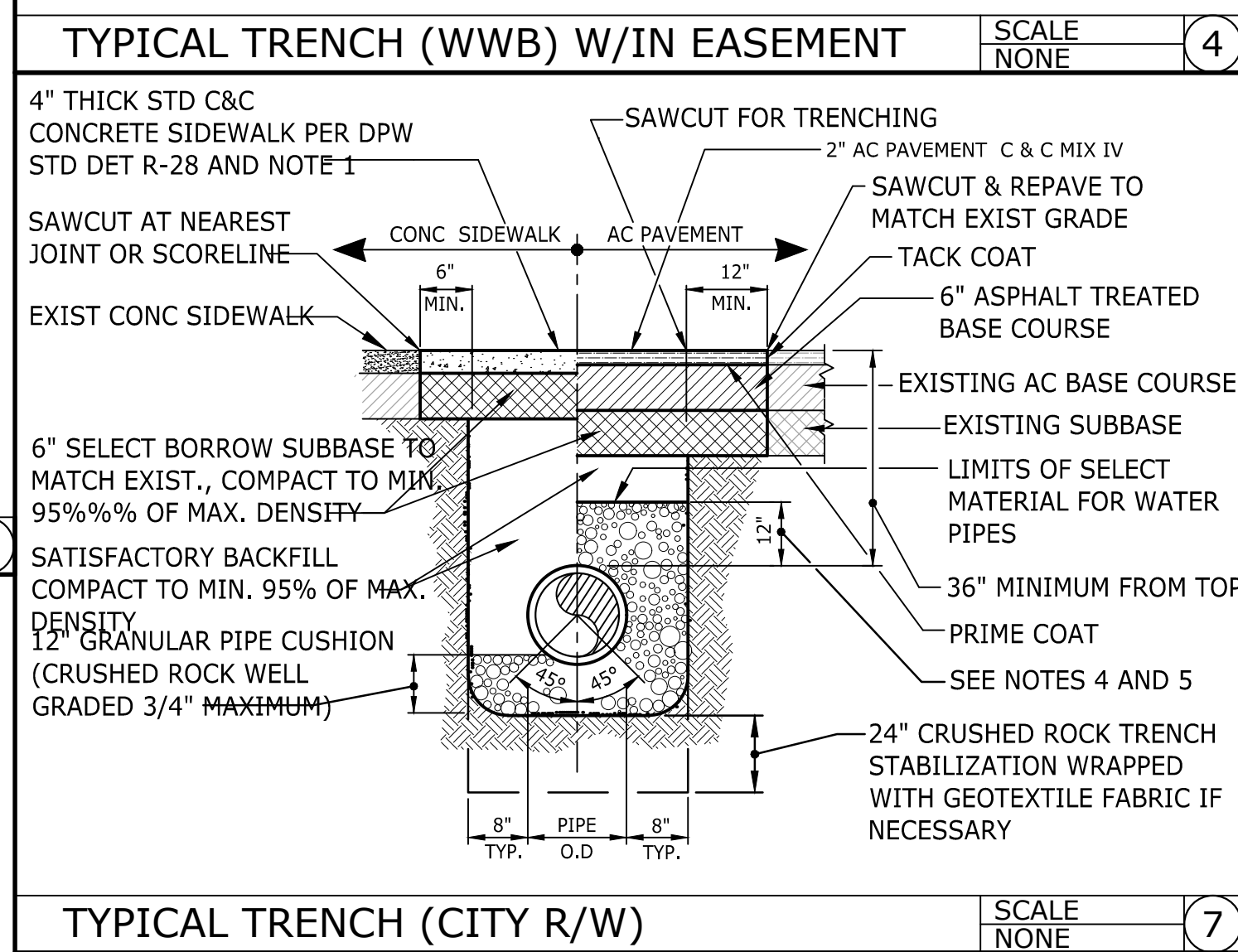
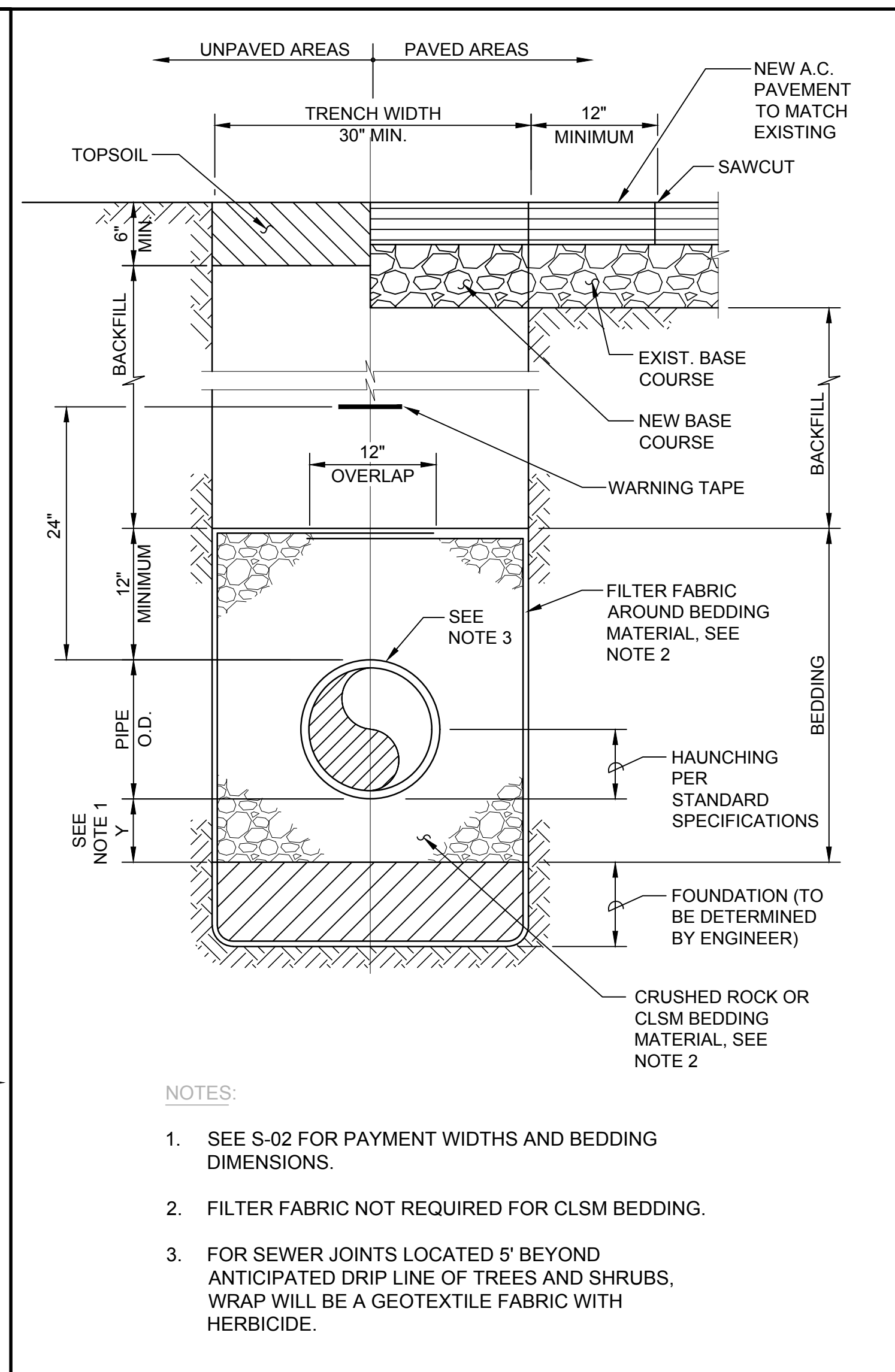
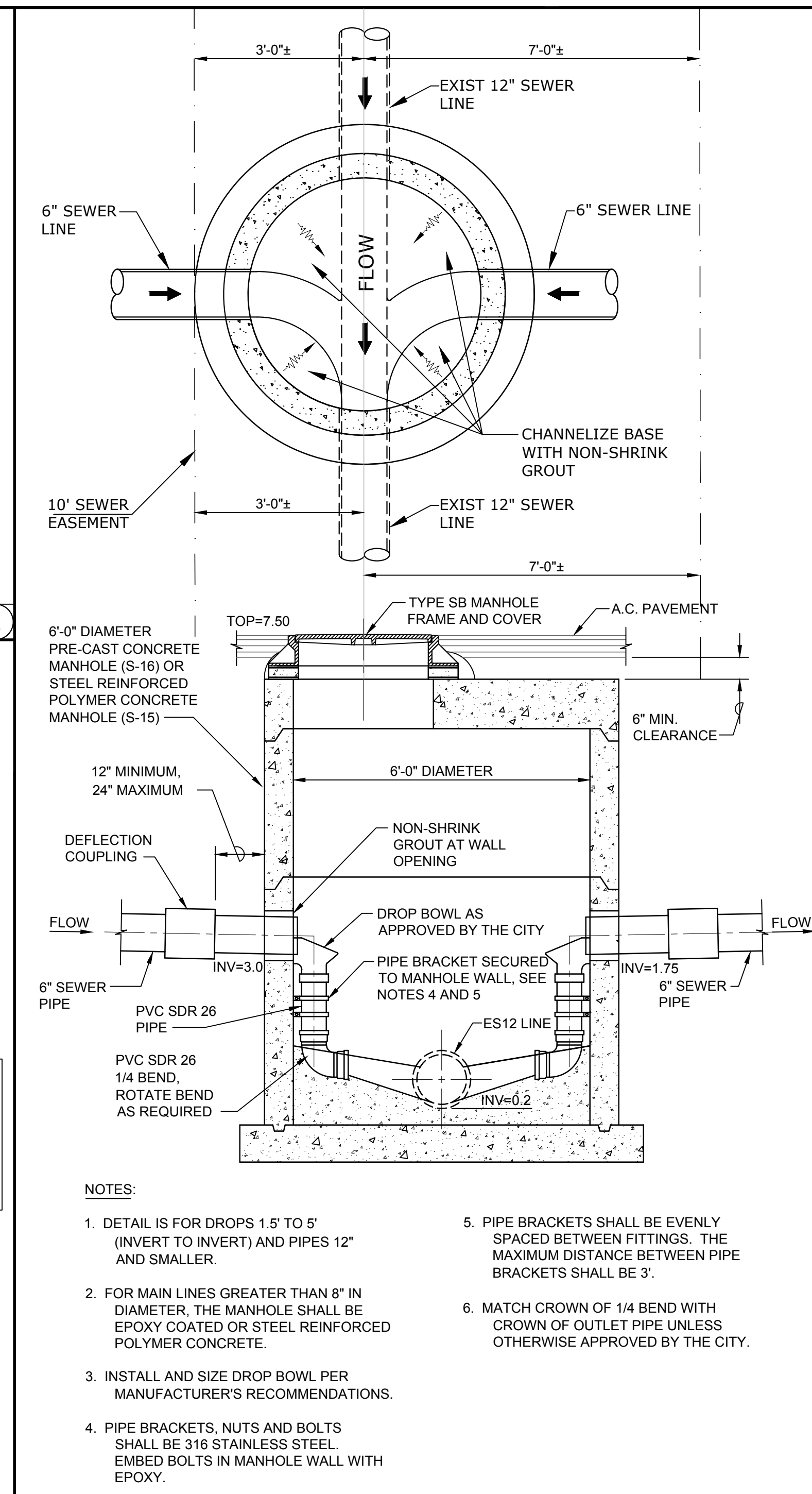
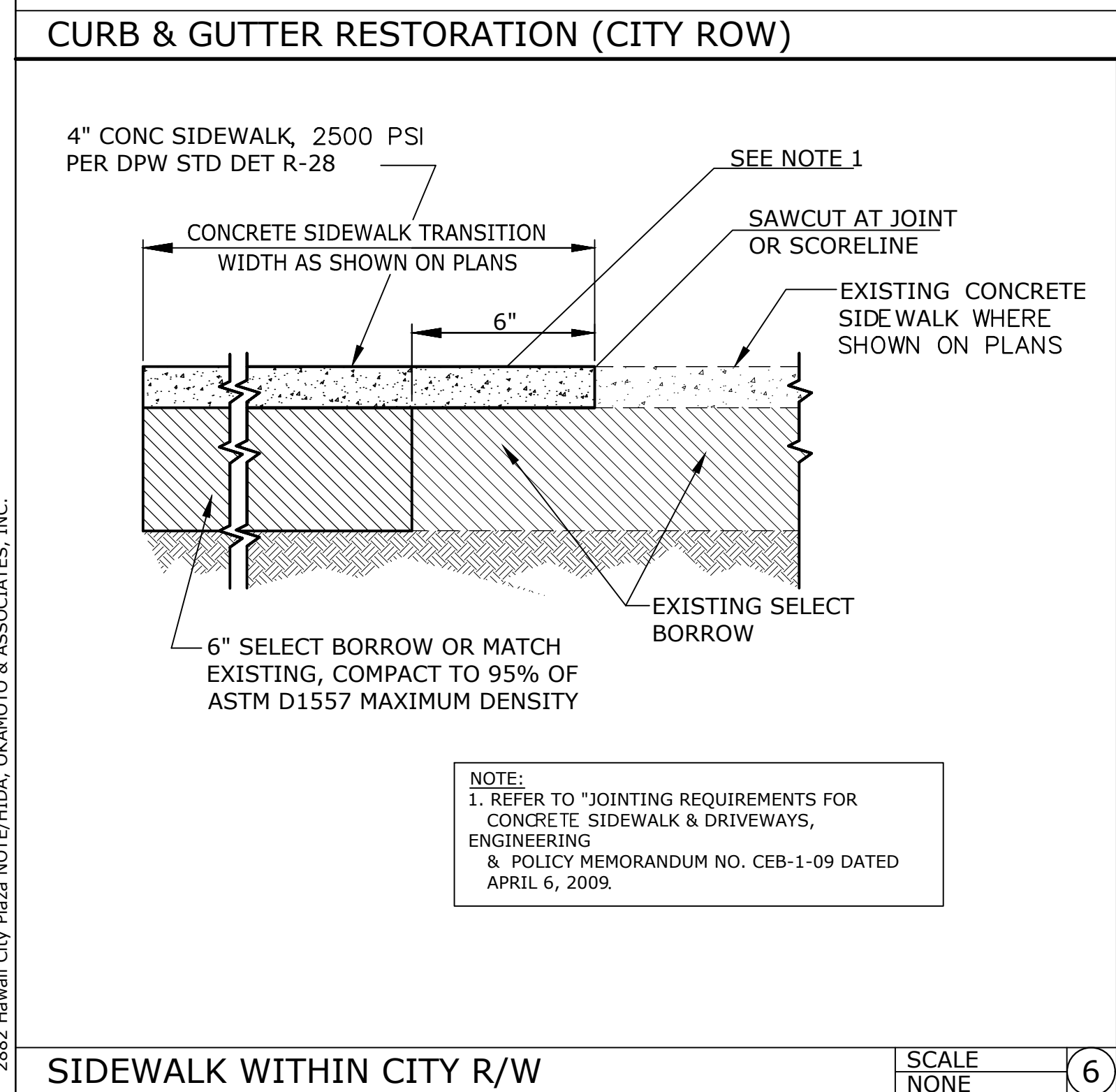
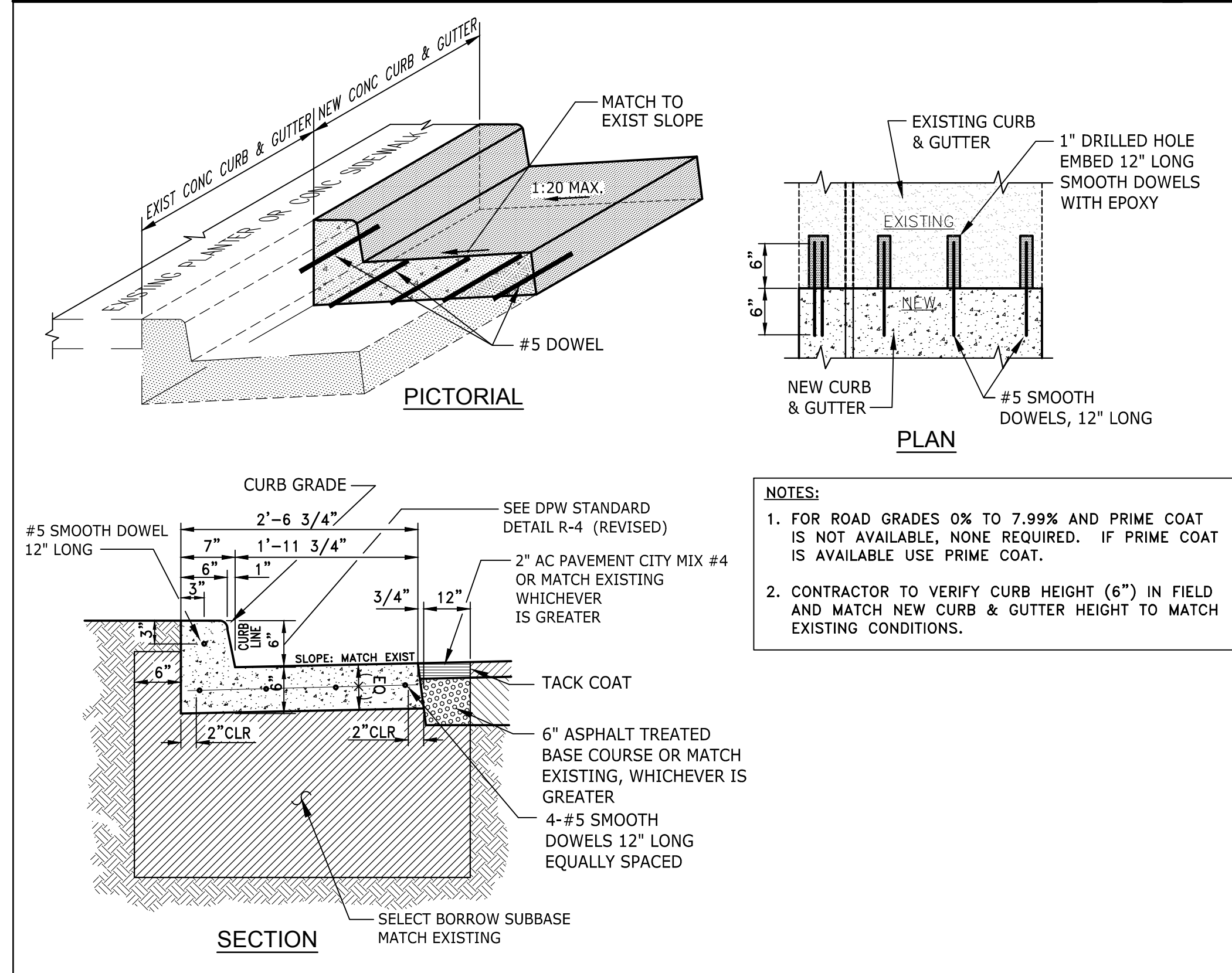
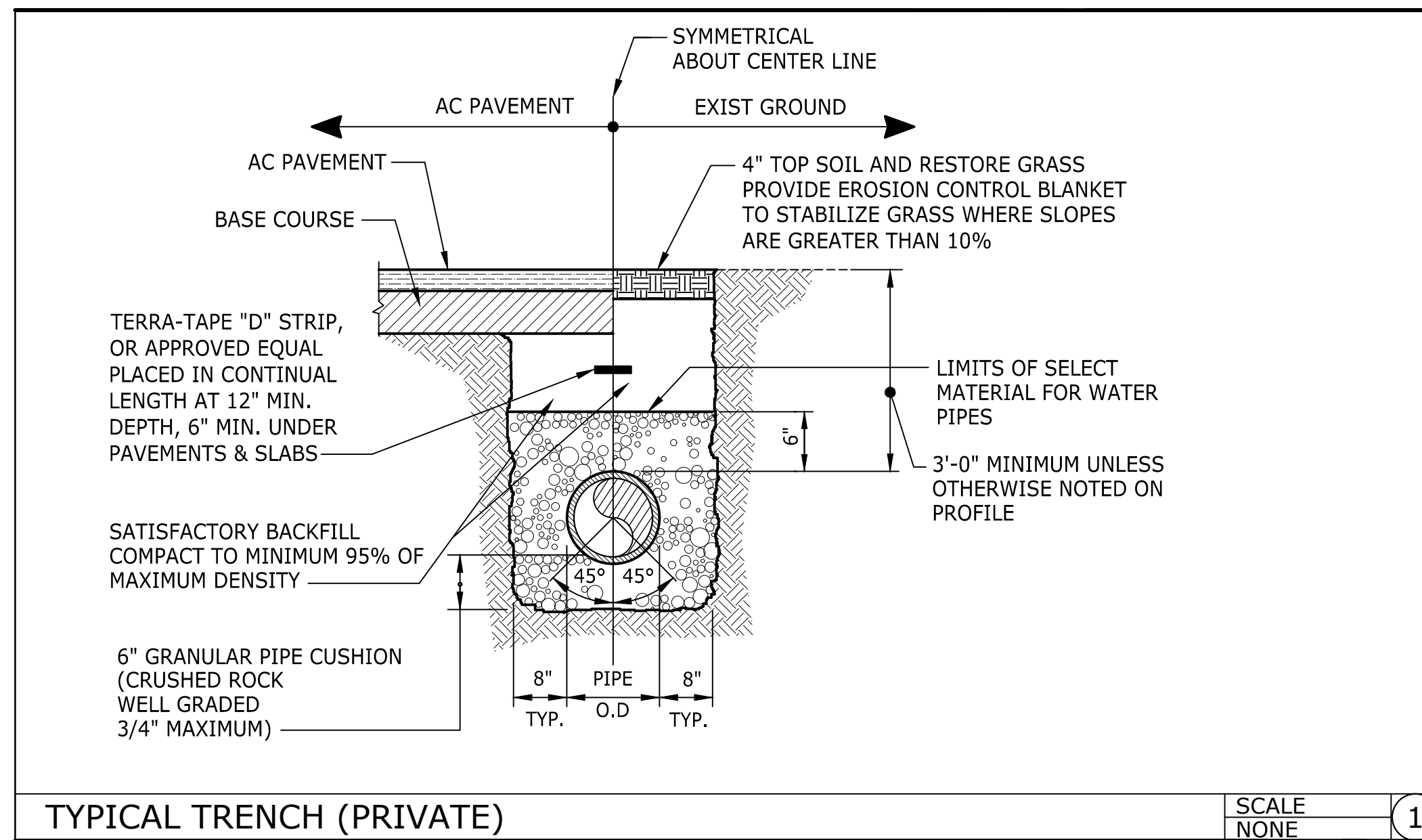
SHEET NO.

C-302

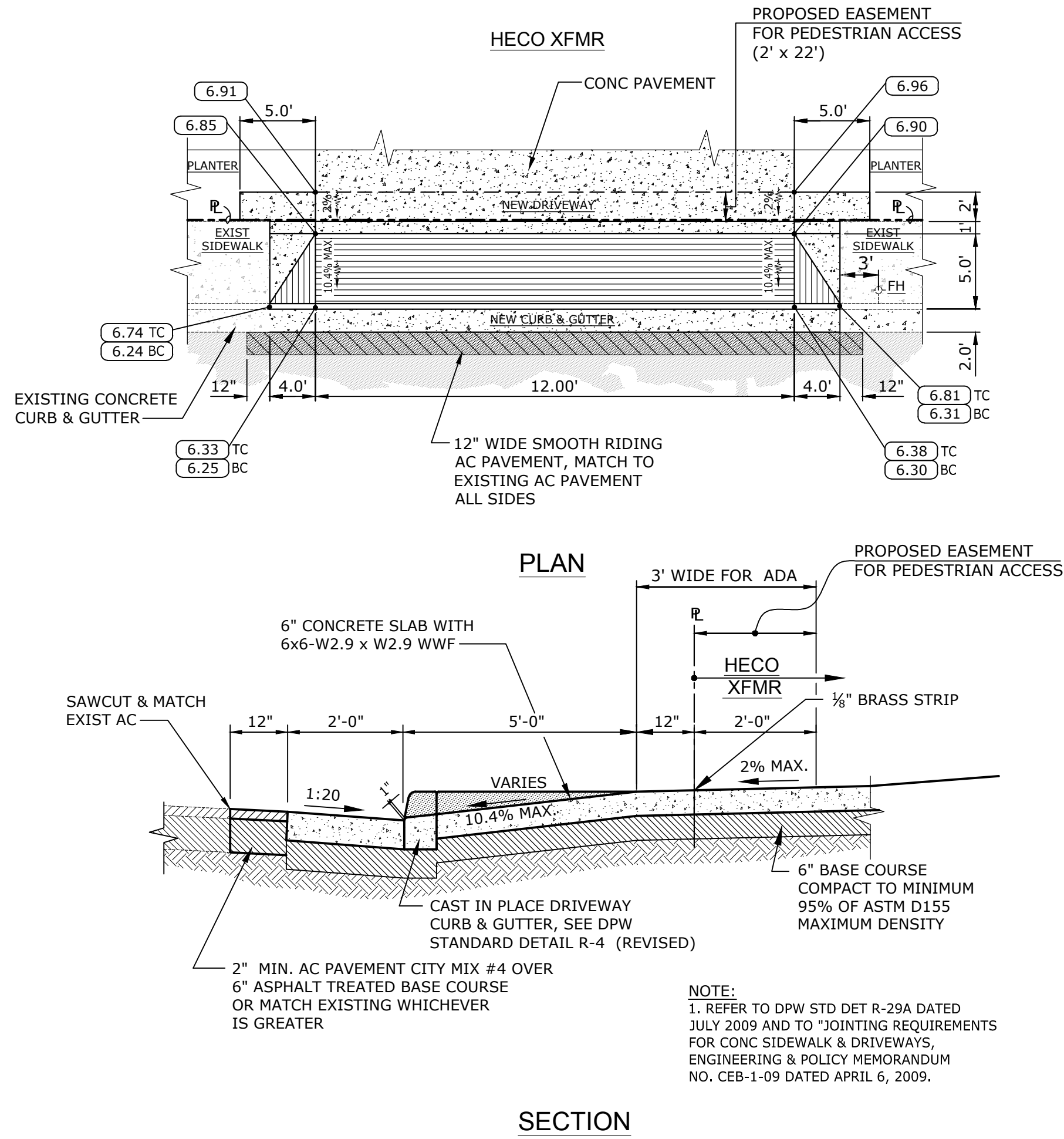
APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPP

DATE



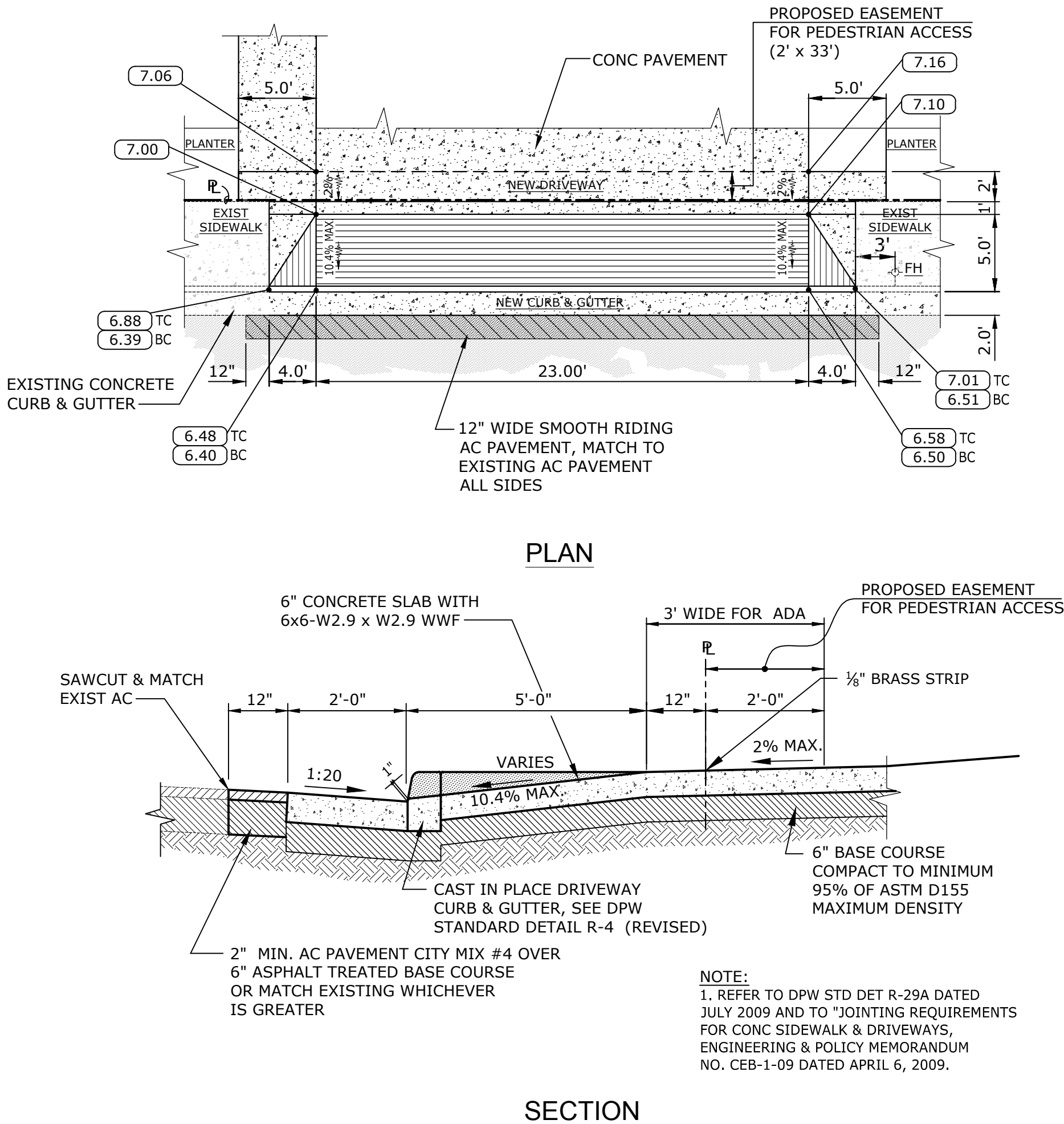
2882 Hawaii City Plaza NOTE/HIDA, OKAMOTO & ASSOCIATES, INC.



CONCRETE DRIVEWAY APRON-A

SCALE
NONE

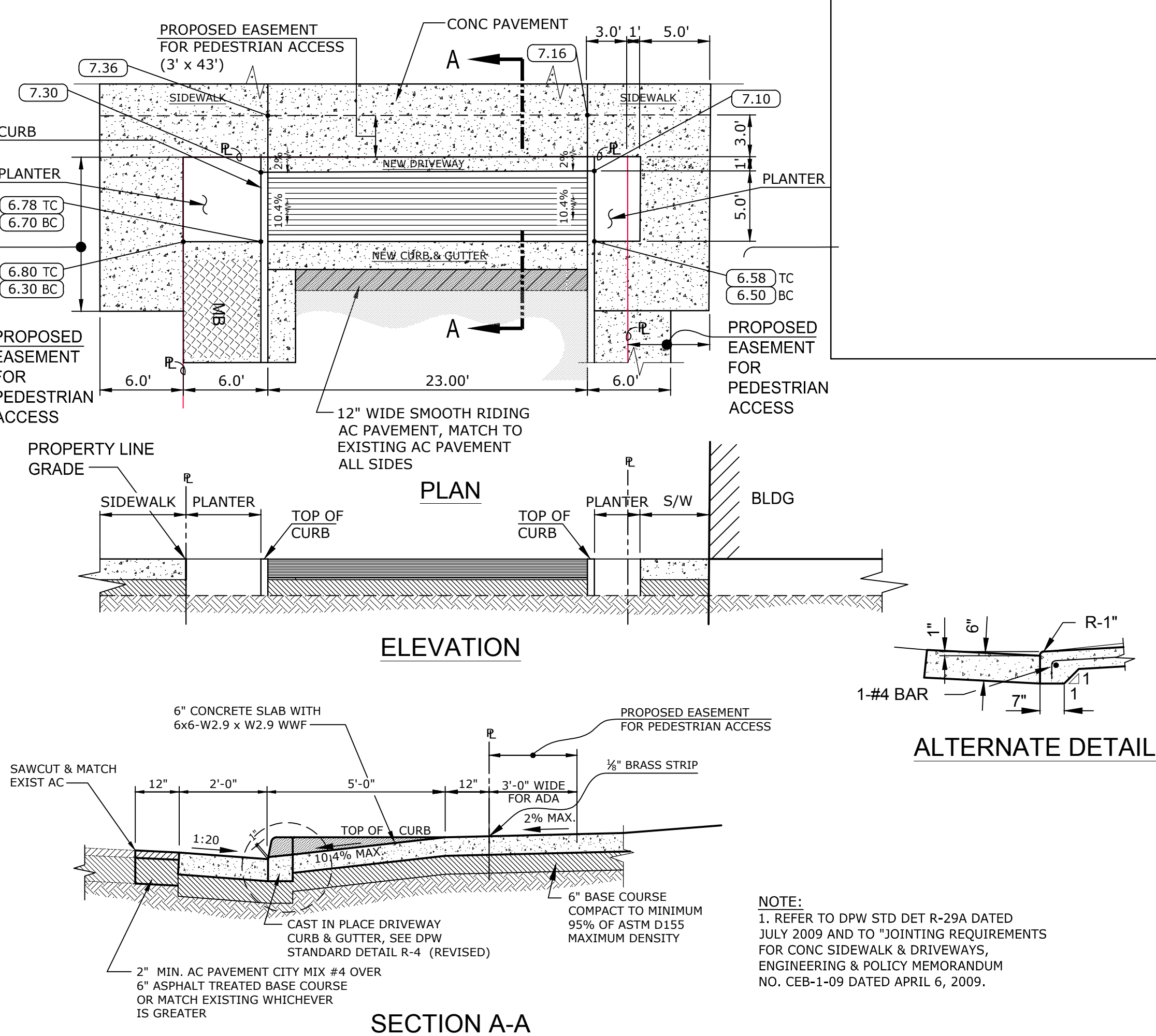
1



CONCRETE DRIVEWAY APRON-B

SCALE
NONE

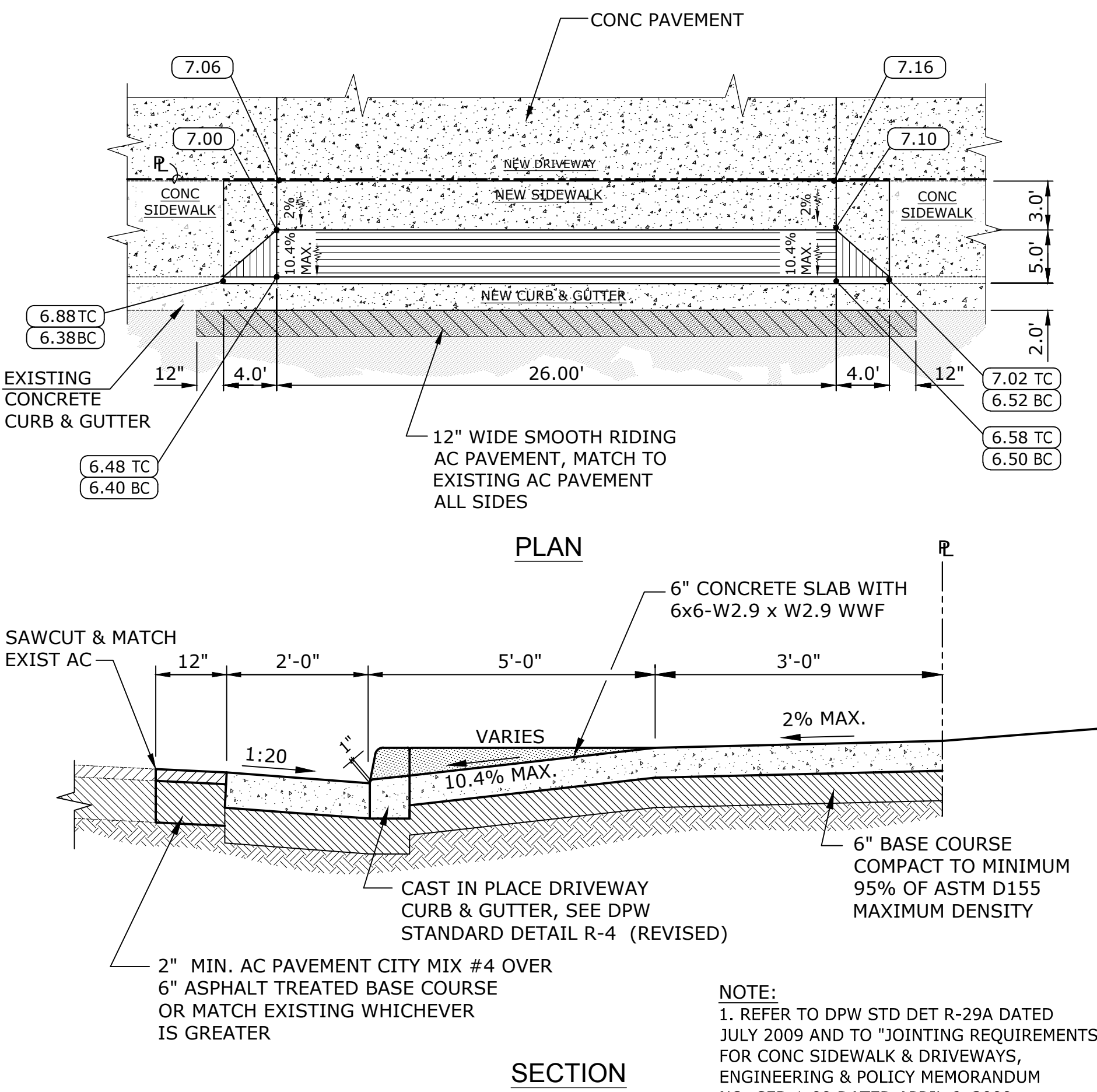
2



CONCRETE DRIVEWAY APRON-C

SCALE
NONE

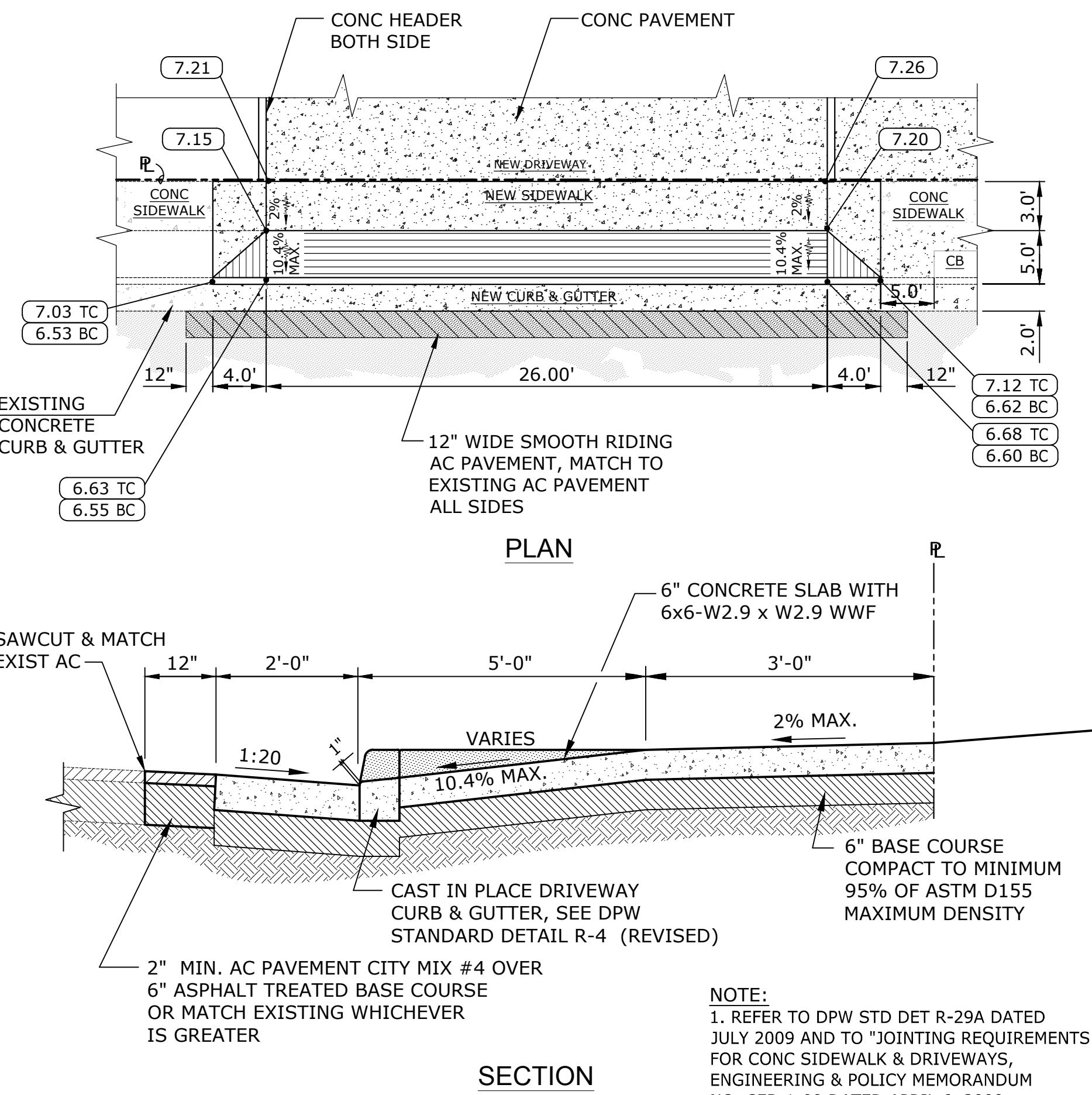
3



CONCRETE DRIVEWAY APRON-D

SCALE
NONE

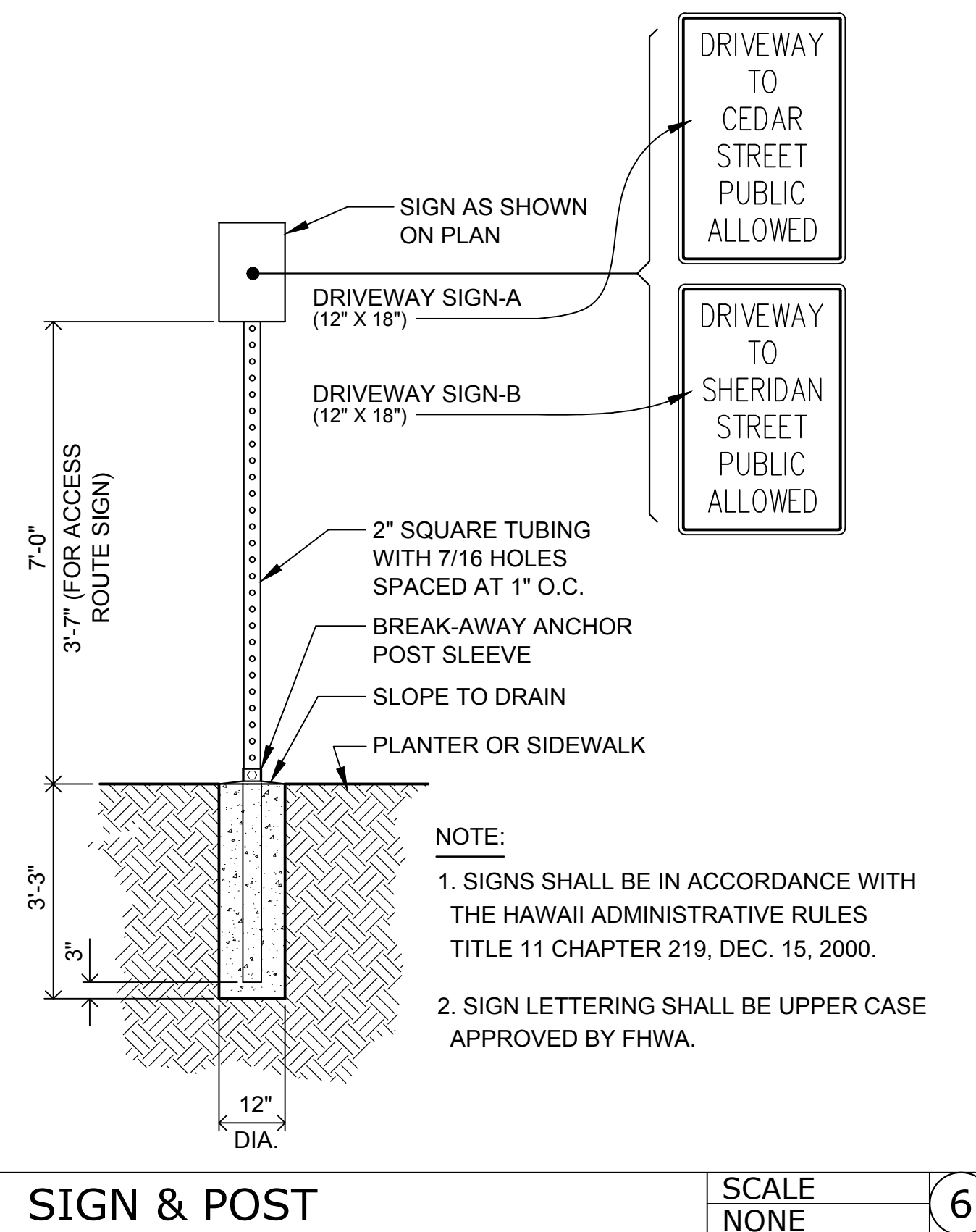
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CONCRETE DRIVEWAY APRON-E

SCALE
NONE

5



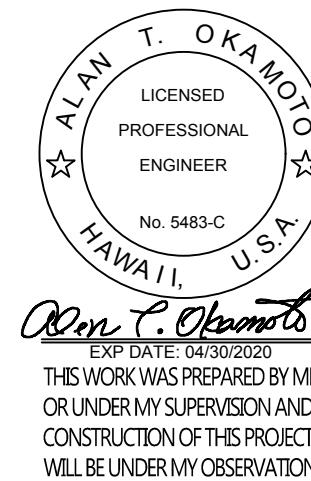
SIGN & POST

SCALE
NONE

6

APPROVED

CHIEF, CIVIL ENGINEERING BRANCH, DPP DATE



DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

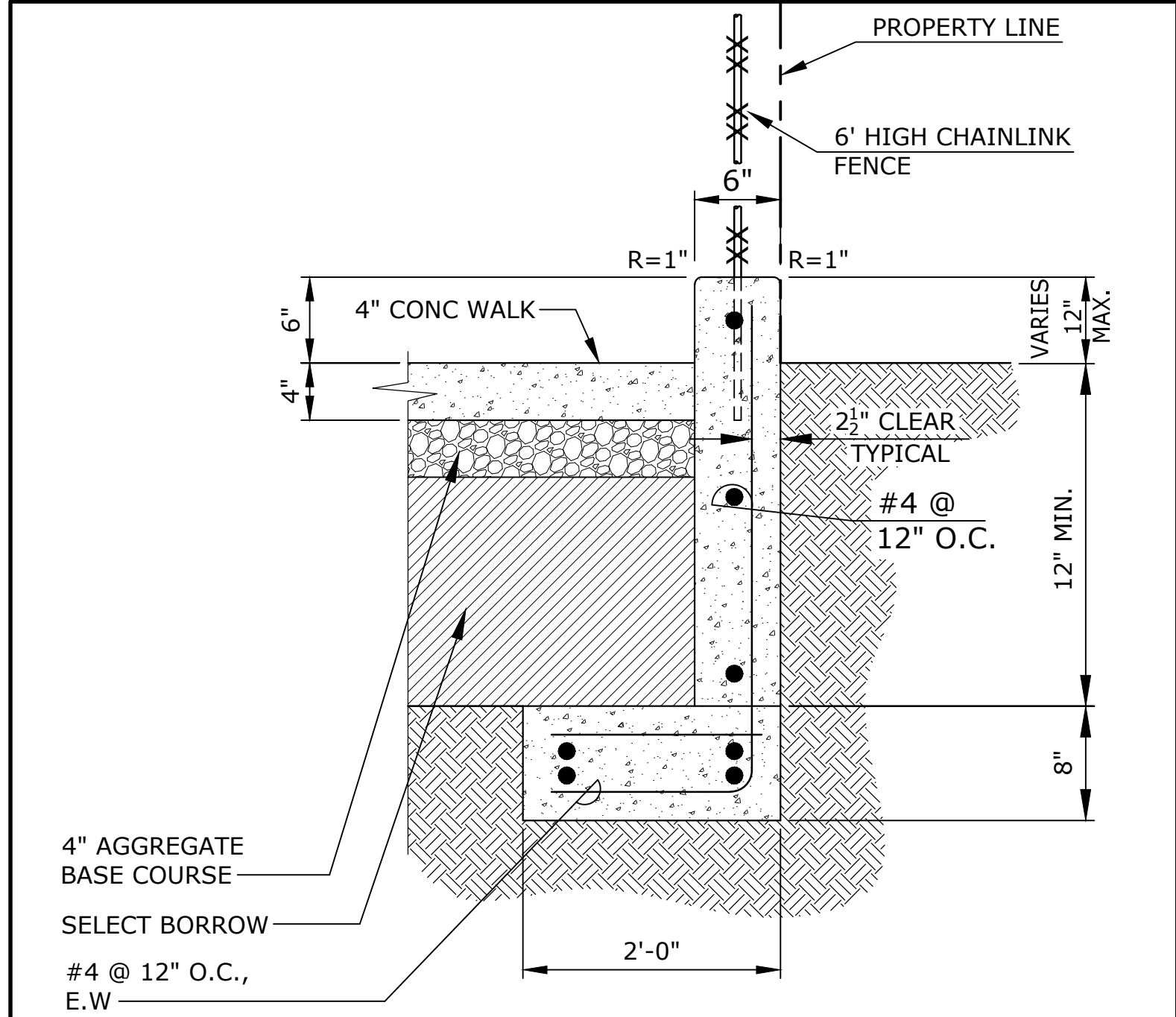
DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
DETAILS

SHEET NO.

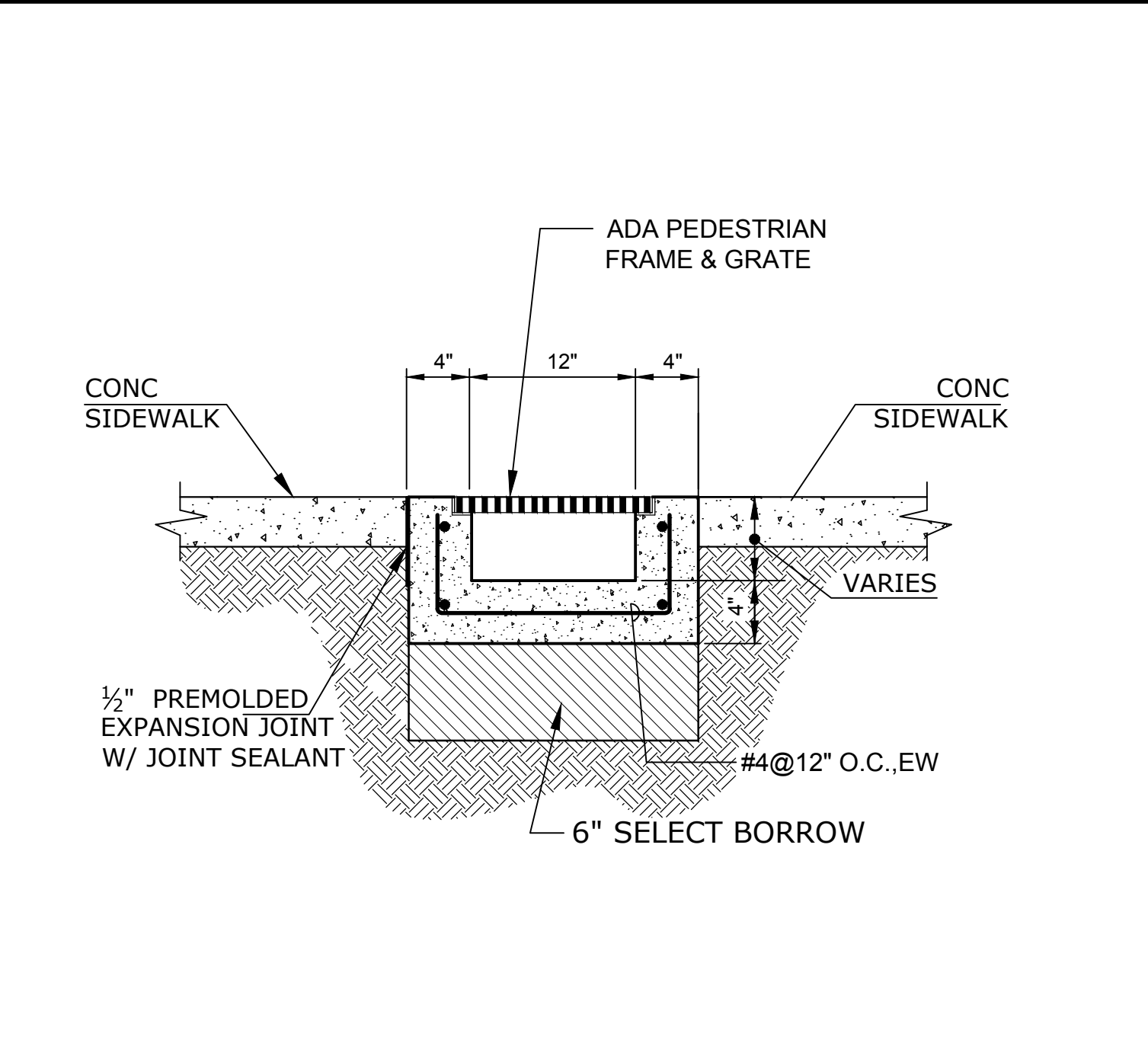
C-502



CURBWALL W/FENCE

SCALE
NONE

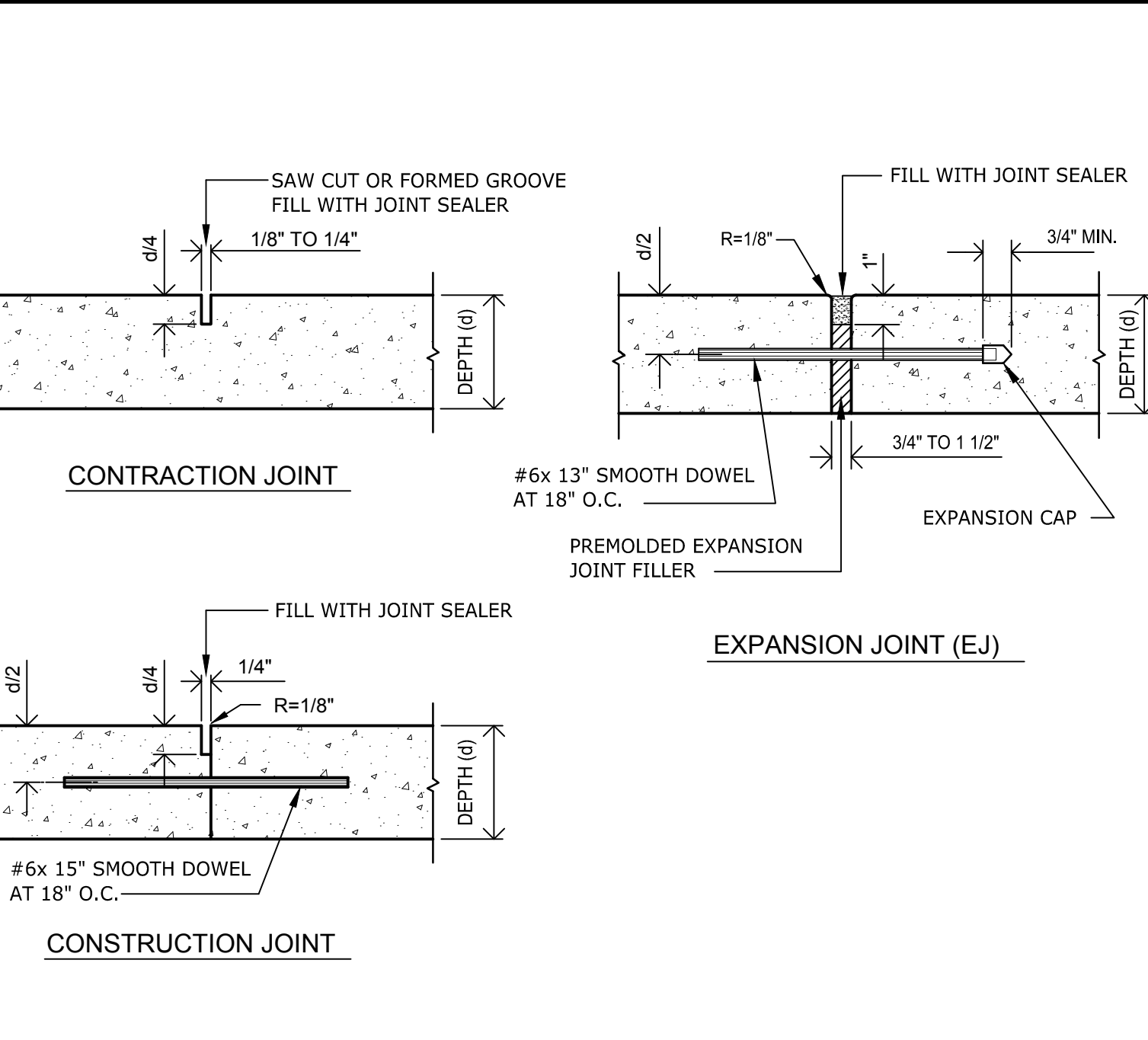
1



TRENCH DRAIN (PRIVATE)

SCALE
NONE

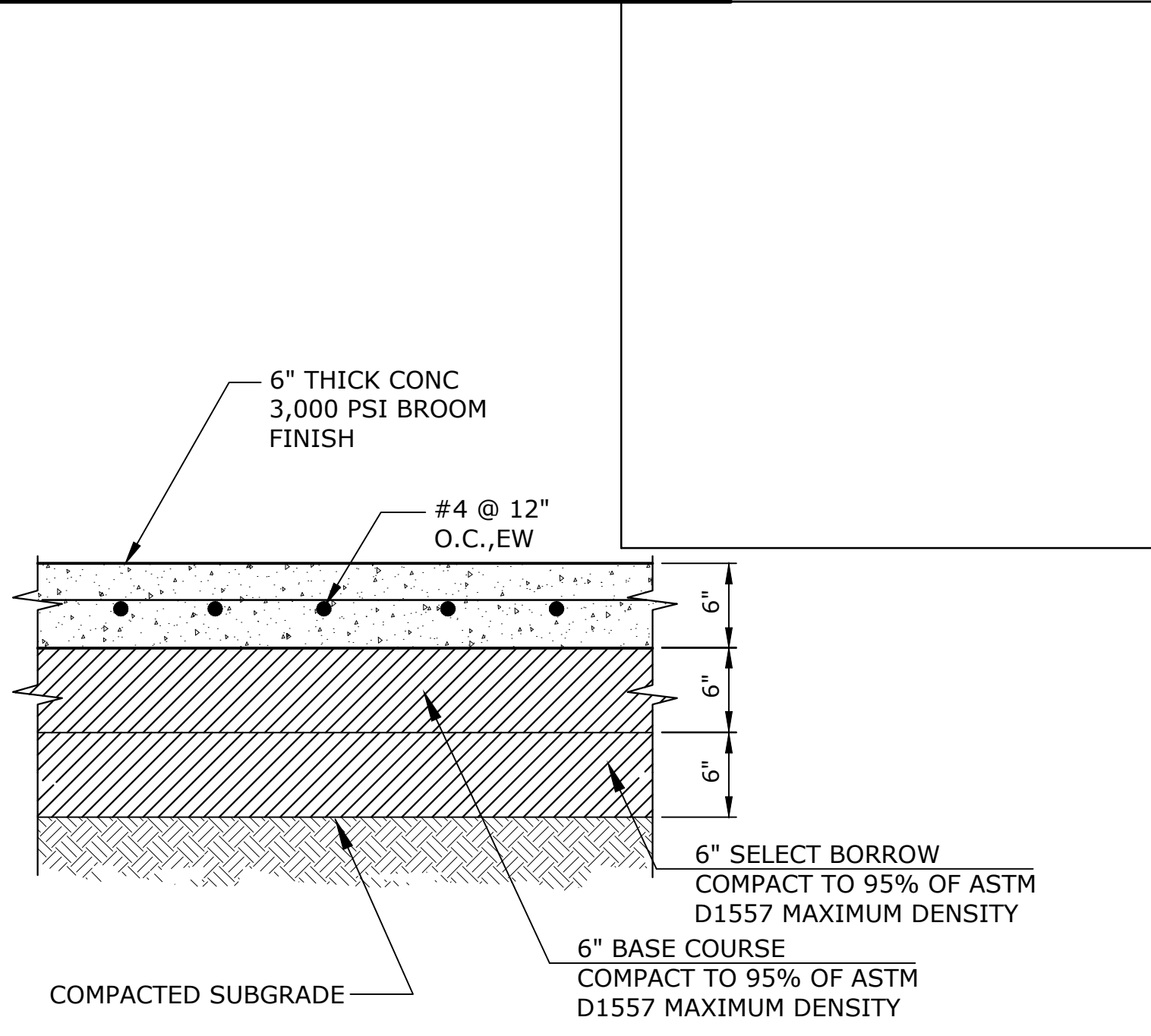
2



CONC JOINTS

SCALE
NONE

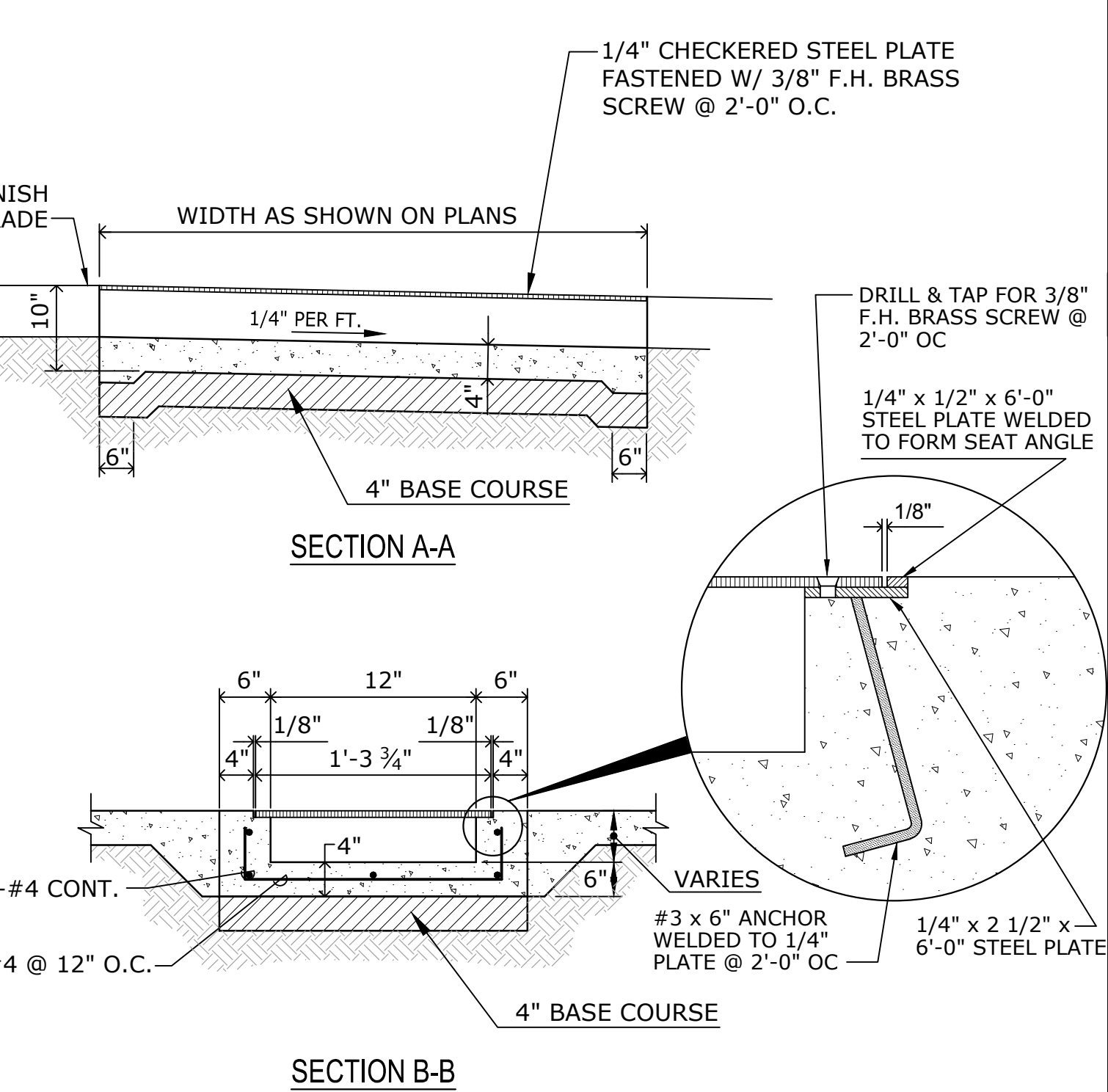
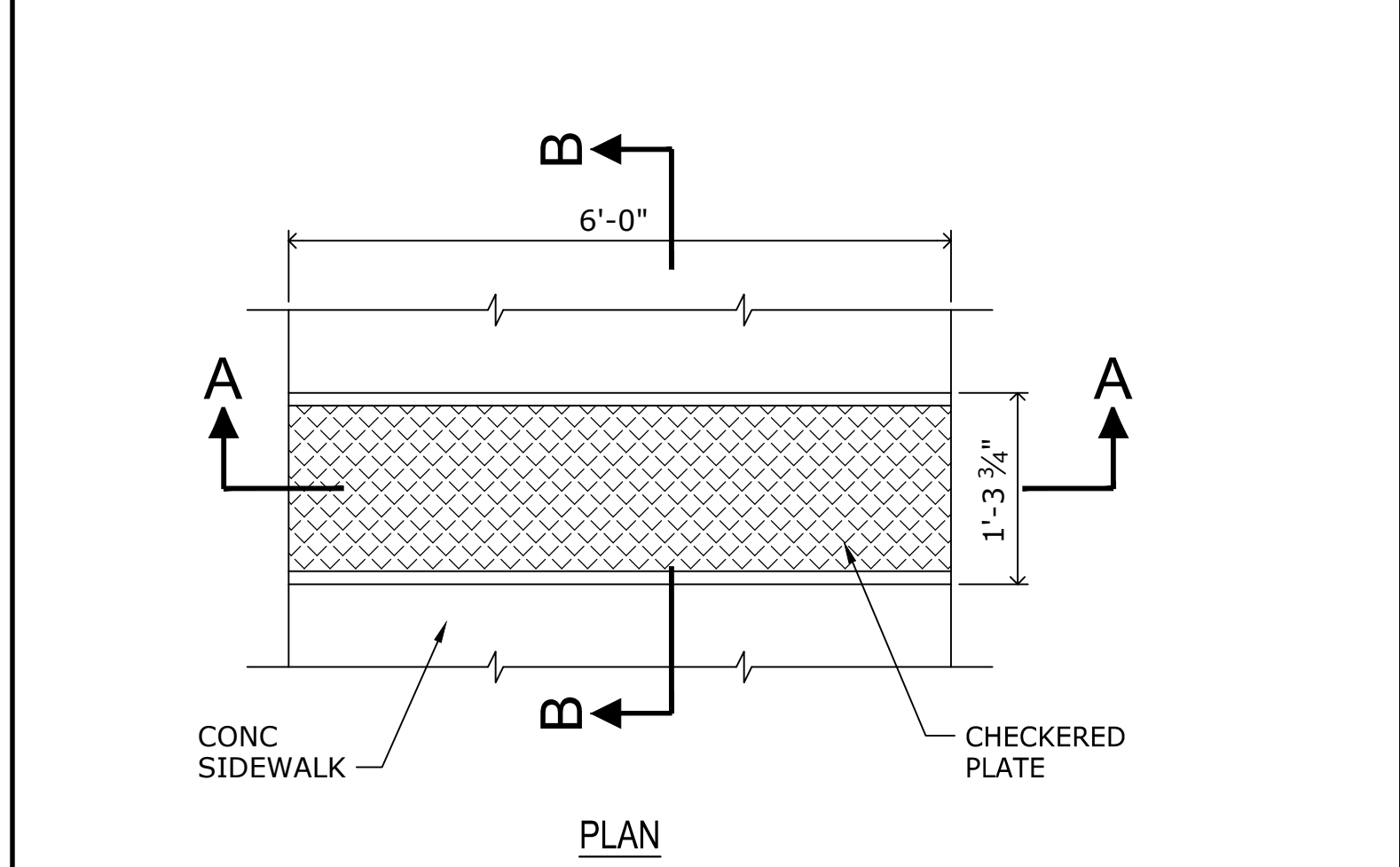
3



CONC PAVEMENT

SCALE
NONE

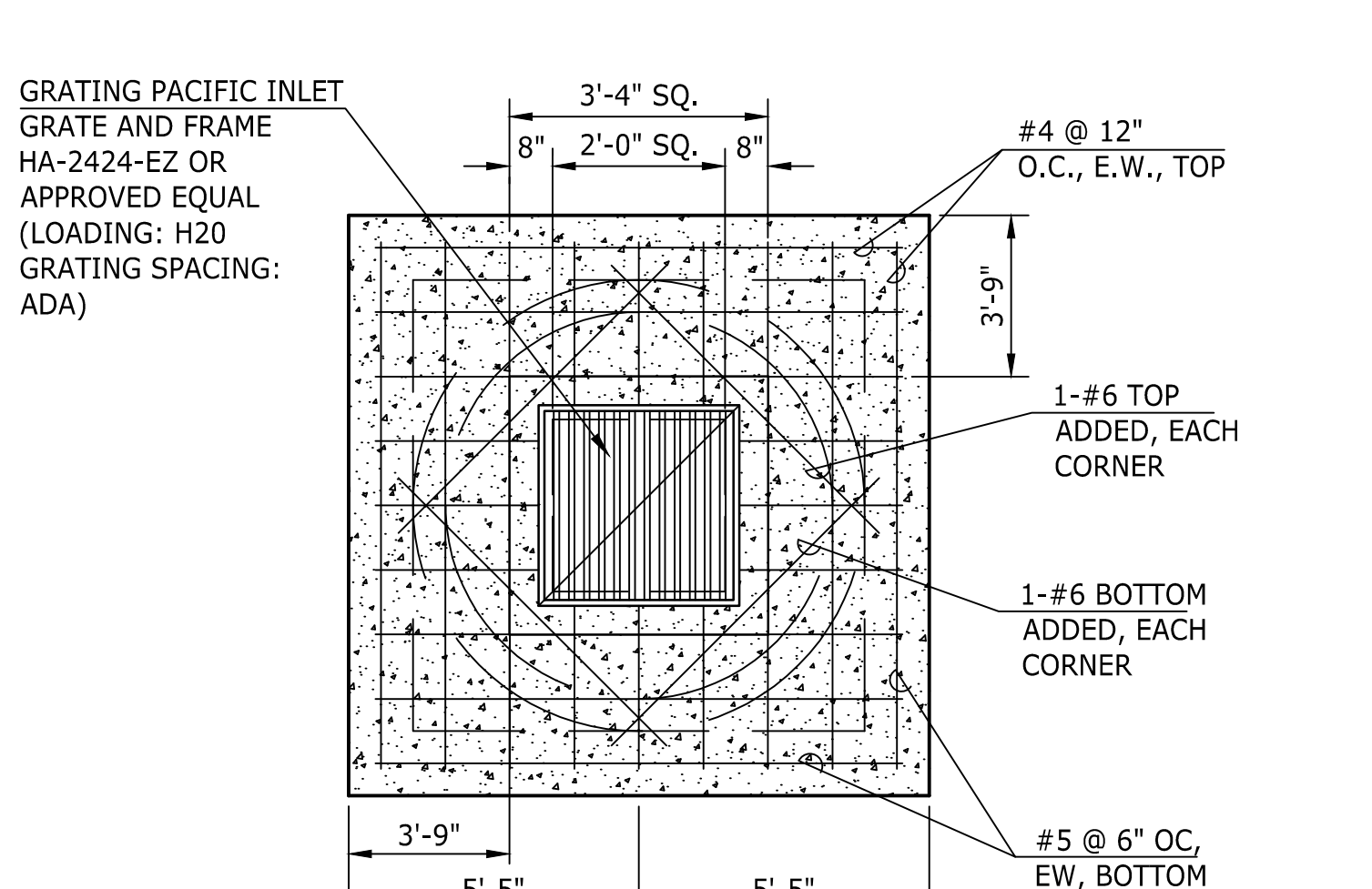
4



SIDEWALK CULVERT (PRIVATE)

SCALE
NONE

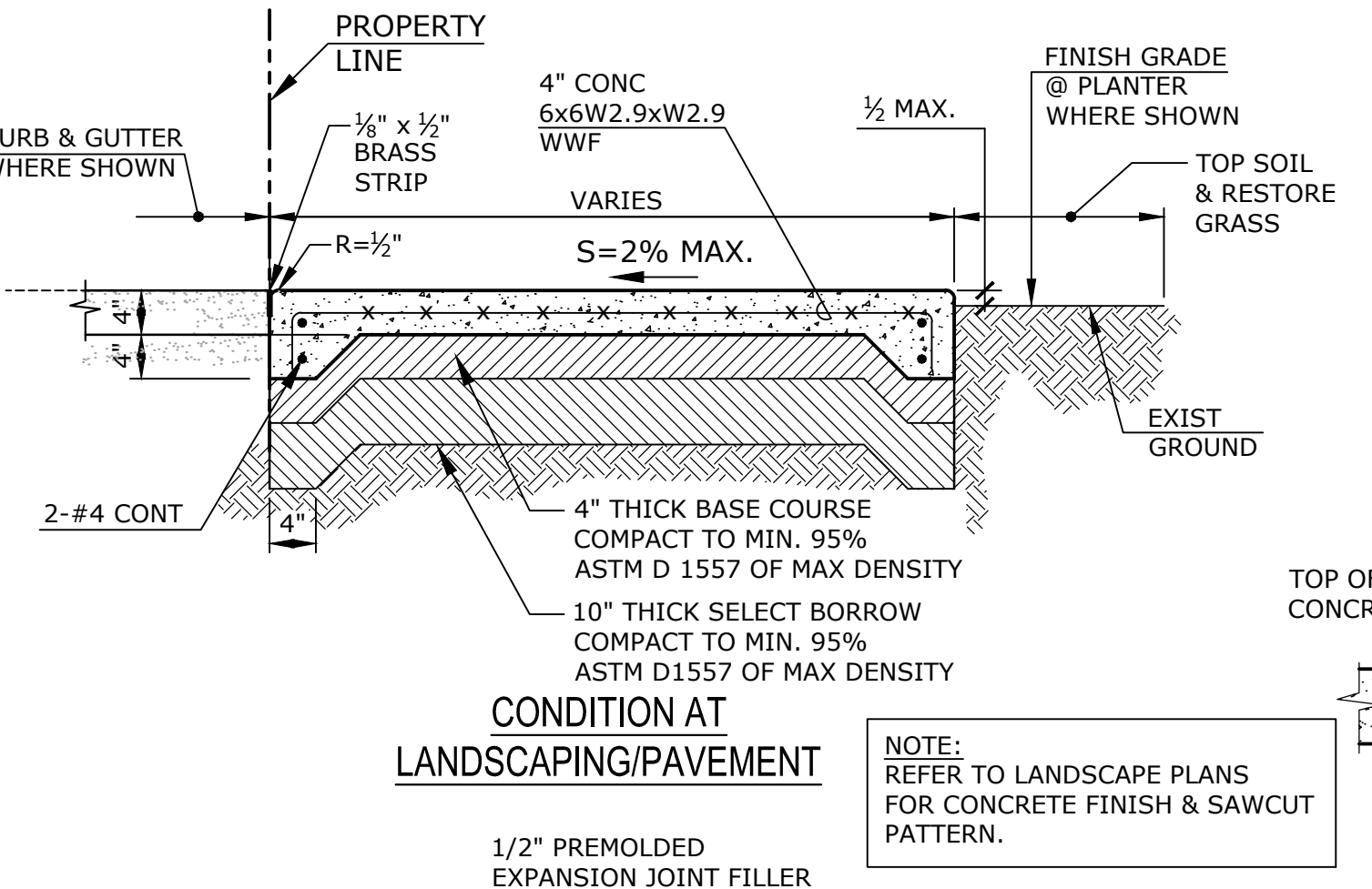
5



DRYWELL (PRIVATE)

SCALE
NONE

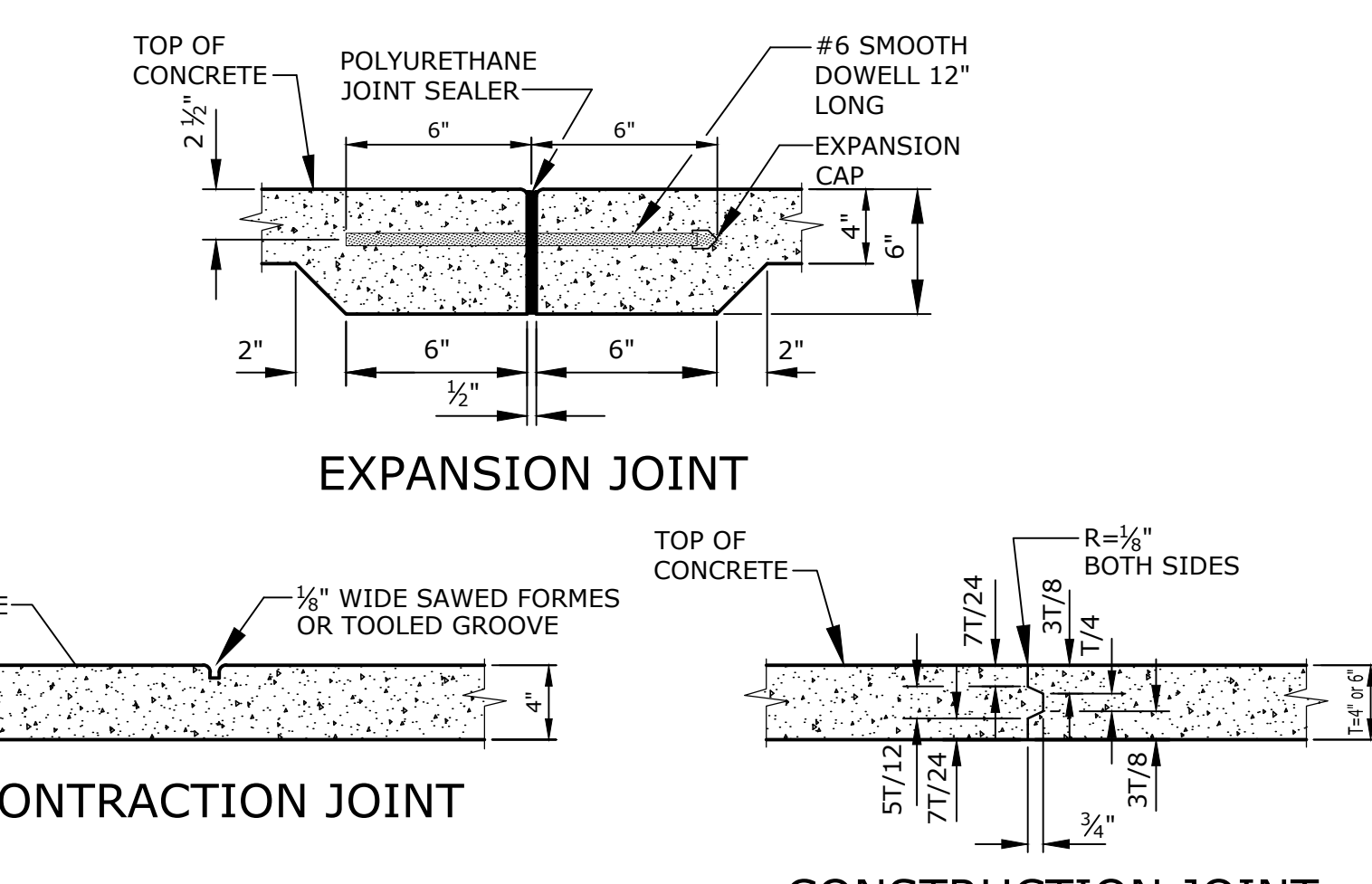
6



CONC SIDEWALK (PRIVATE)

SCALE
NONE

7

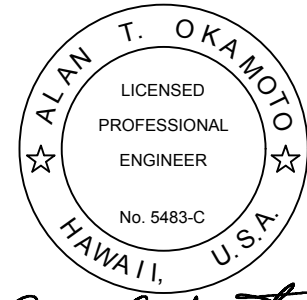


AREA DRAIN

SCALE
NONE

8

2882 Hawaii City Plaza NOTE/HIDA, OKAMOTO & ASSOCIATES, INC.



DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII CITY PLAZA, LP

Hawaii City Plaza
Honolulu, Hawaii
710 Sheridan Street
TMK 2-3-014; Parcels 002, 004, & 011

PERMIT
SET

DATE SEPT 2018

PROJECT # 15028-02

SHEET TITLE
DETAILS

SHEET NO.

C-503

APPROVED	
CHIEF, CIVIL ENGINEERING BRANCH, DPP	DATE