

SEC. 18, T 18 N., R 1 W., W.M.

GATEWAY CHRISTIAN CENTER PRELIMINARY PLANS

LACEY, WA



OWNER / APPLICANT

GATEWAY CHRISTIAN CENTER
3300 MARVIN ROAD NE
LACEY, WA 98516
PHONE: 360.259.1894
CONTACT: SUNG HAN

SITE ADDRESS:

3300 MARVIN ROAD NE
LACEY, WA 98516

LEGAL DESCRIPTION:

PER STEWART TITLE COMMITMENT NO.1914417;
LOT 1 OF BINDING SITE PLAN NO. BSP-050004LA, AS RECORDED
DECEMBER 28, 2005 UNDER AUDITOR'S FILE NO. 3796801;
EXCEPTING THAT PORTION CONVEYED TO THE CITY OF LACEY FOR MARVIN
ROAD NORTHEAST UNDER AUDITOR'S FILE NO. 4403245;
IN THURSTON COUNTY, WASHINGTON.

CONSULTANTS

SCJ ALLIANCE
8730 TALLON LANE NE, SUITE 200
LACEY, WA 98516
PHONE: 360.352.1465
CONTACT: BILL DUNNING, PE

UTILITIES

WATER/SEWER:
CITY OF LACEY

POWER/GAS:
PUGET SOUND ENERGY

BASIS OF BEARINGS:

FROM PRELIMINARY SHORT PLAT MAP BY MTNZCOAST DATED 1/25/2024.
NAD 83 / 91 BASED ON CITY OF LACEY COORDINATE SYSTEM AS SHOWN
ON ROS RECORDED UNDER APN 3111152, HOLDING A BEARING OF NORTH
58°41'59" WEST FOR THE NORTHWEST PROPERTY LINE OF TAX PARCEL
3759-00-00100

SITE INFORMATION

PARCEL NUMBER: 37590000100
ACRES: 8.47

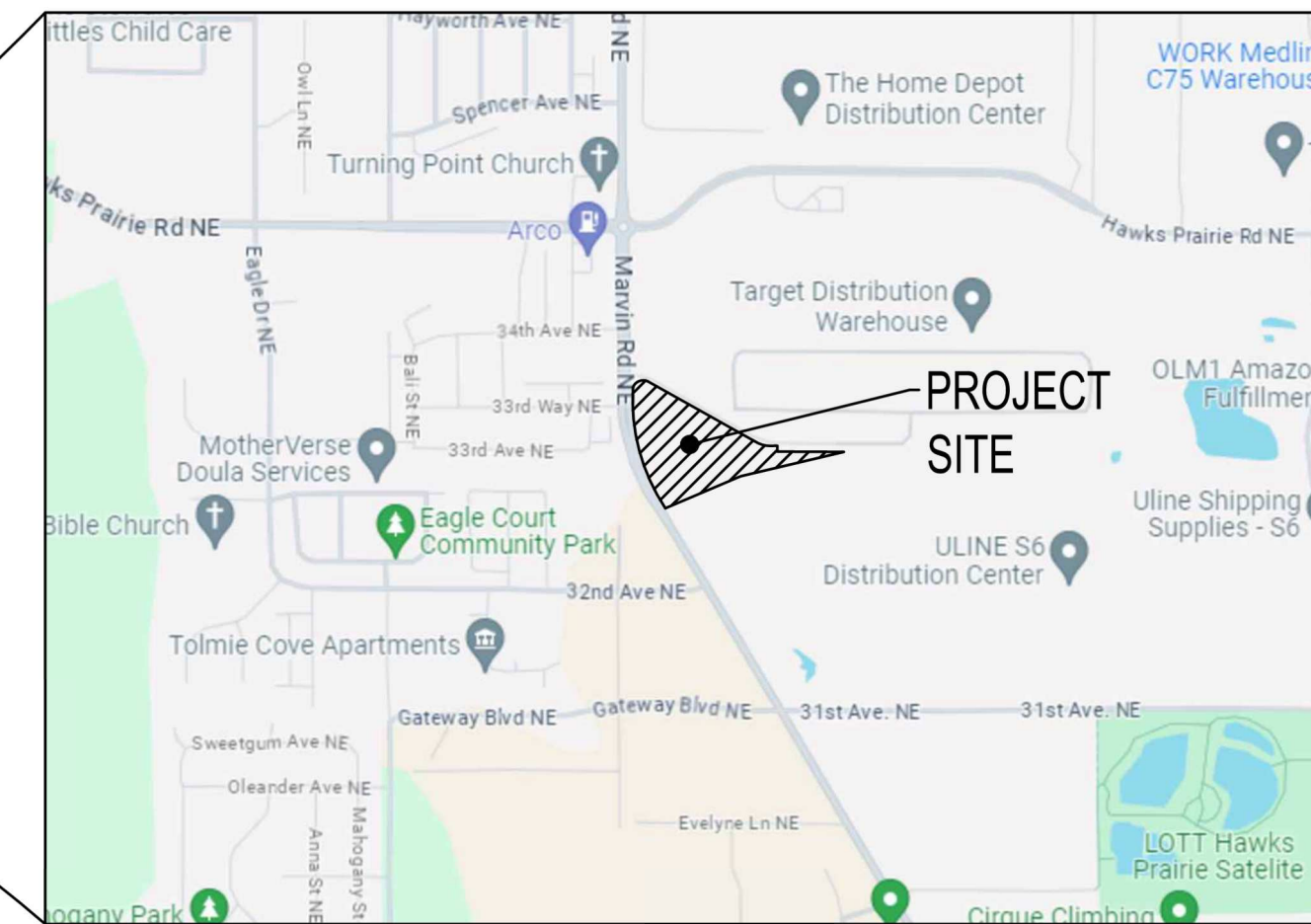
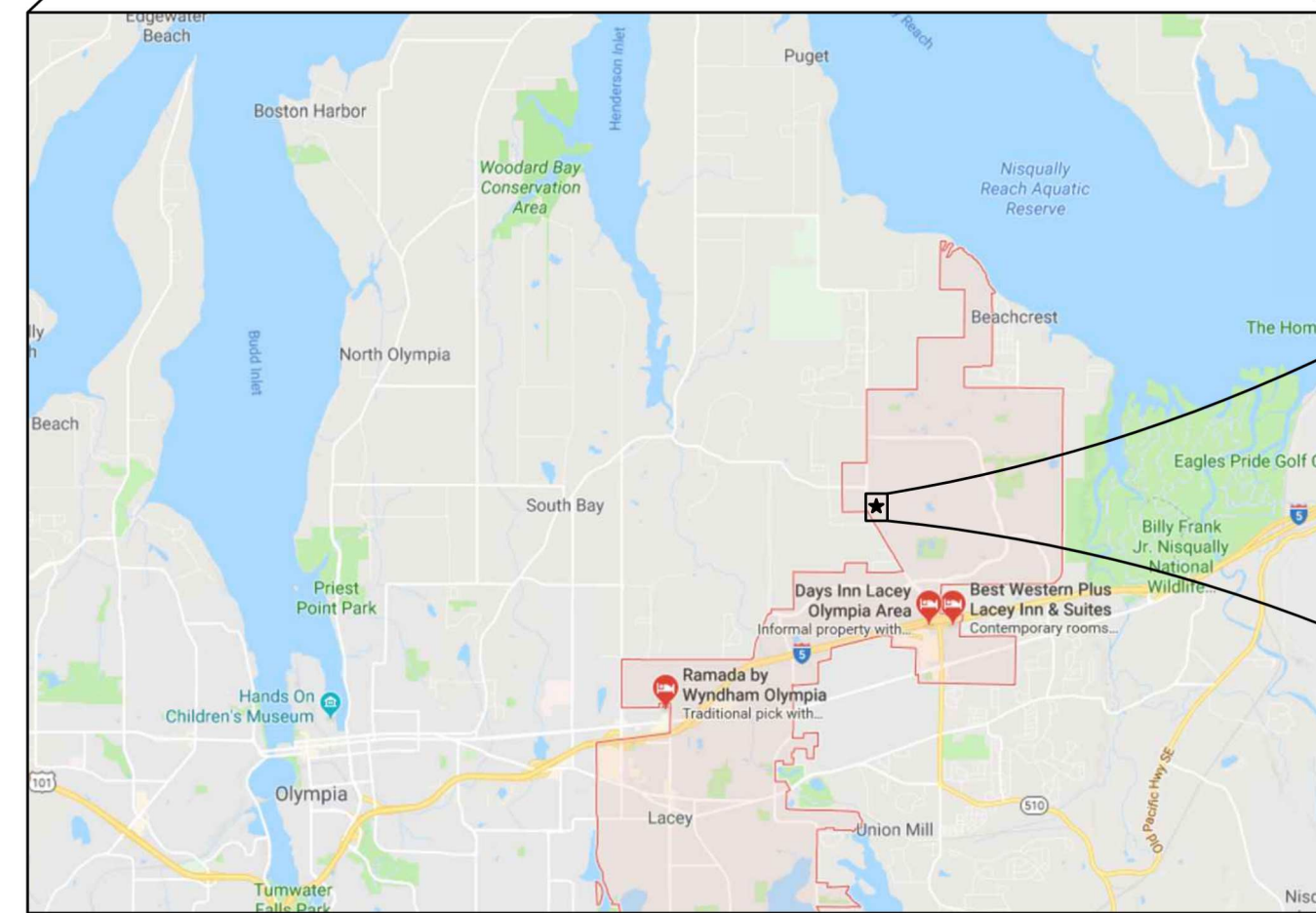
VERTICAL DATUM:

NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)

CONTROLLING BENCHMARK:

FROM MERIDIAN GROUP 1 - STORM POND PLANS BY PATRICK HARRON &
ASSOCIATES DATED 9/28/2004.
CITY OF LACEY BM# 104
RAIL ROAD SPIKE IN EAST SIDE OF POWER POLE AT THE SW CORNER OF
THE INTERSECTION OF MARVIN RD NE AND 32ND AVE NE, ELEV 206.27

SHEET INDEX		
SHEET NO.	SHEET TITLE	SHEET DESCRIPTION
1	CV-01	COVER SHEET
2	GN-01	GENERAL NOTES
3	EC-01	EROSION CONTROL AND DEMOLITION PLAN
4	EC-02	TESC NOTES AND DETAILS
5	FR-01	FRONTAGE IMPROVEMENTS PLAN
6	DT-01	SITE DETAILS
7	DR-01	DRAINAGE PLAN
8	WT-01	WATER PLAN
9	SS-01	SANITARY SEWER PLAN
10	UT-01	UTILITY DETAILS



A PORTION OF SEC 18, T 18 N, R 1 W., W.M.
LACEY, WA



REVISIONS	DATE	BY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

COVER SHEET

GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516



DESIGNER: D. PHILLIPS
DRAWN BY: N. ALTHAUSER
APPROVED BY: B. DUNNING
DATE: FEBRUARY, 2024
JOB NO: 23-002886
DRAWING FILE NO: 23-002886 CV-01
DRAWING NO: CV-01
SHEET NO: 1 OF 10

NOT FOR CONSTRUCTION

Feb 21, 2024 10:38:50am - User: scj\william.dunning - User: scj\william.dunning
N:\PROJECTS\1728 GATEWAY CHRISTIAN CENTER\13--000886 GATEWAY CHRISTIAN CENTER CTR PLAT INFRASTRUCTURE\13--000886 CV-01.DWG

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 AT 811 OR (800)-342-1585 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

GENERAL CONSTRUCTION NOTES:

- ALL WORK, WORKMANSHIP AND MATERIALS FOR THIS PROJECT SHALL MEET OR EXCEED THE PROJECT SPECIFICATIONS, CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS AND MAY INCLUDE REFERENCES TO THE MOST CURRENT VERSION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. IF THERE IS A CONFLICT BETWEEN THE SPECIFICATION TYPES, THE MOST RESTRICTIVE REFERENCE SHALL BE ADHERED TO.
- ALL GOVERNMENTAL SAFETY REGULATIONS SHALL BE STRICTLY ADHERED TO INCLUDING OSHA, WISHA AND THE WASHINGTON DEPARTMENT OF LABOR AND INDUSTRY.
- 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. ALL REQUIRED INSPECTION TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROVIDE A TWO-YEAR WARRANTY ON ALL WORKMANSHIP AND MATERIAL FOLLOWING ACCEPTANCE OF THE PROJECT BY THE OWNER.
- THE APPROVAL OF THESE PLANS BY THE CITY OF LACEY DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF OTHER GOVERNING AGENCIES.

CAUTION – NOTICE TO CONTRACTOR

- THE 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 1-800-424-5555 48 HOURS PRIOR TO PLANNED EXCAVATIONS.
- 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 OWNERS REPRESENTATIVE.
- EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. PRIOR TO CONNECTION TO EXISTING UTILITIES THE CONTRACTOR SHALL VERIFY EXACT LOCATION, DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING UTILITY AND PROPOSED POINT OF CONNECTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS.
- 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.
- THE CONTRACTOR SHALL PROVIDE SLOPE PROTECTION FOR SLOPES OF 5:1 OR GREATER ACCORDING TO ASSOCIATED GENERAL CONTRACTORS (AGC) STANDARD GUIDELINES AND BEST MANAGEMENT PRACTICES (BMP'S).
- THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF LACEY, DEPARTMENT OF ECOLOGY STORMWATER MANUAL, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND PER THE EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL SAFELY MAINTAIN TRAFFIC AND CONTINUOUS ACCESS TO PRIVATE AND/OR PUBLIC PROPERTY.
- CONSTRUCTION SIGNING AND TRAFFIC CONTROL SHALL BE PER THE CURRENT COPY OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK SHIFT UNLESS TRAVELING TO OR FROM THE SITE. UNDER NO CIRCUMSTANCES SHALL VEHICLES OR EQUIPMENT BE PARKED OR STORED OUTSIDE OF THESE AREAS.
- OTHER CONSTRUCTION PROJECTS MAY OCCUR NEAR THE PROJECT SITE AND MAY BE IN PROGRESS CONCURRENT WITH THE PROJECT. THE CONTRACTOR SHALL COOPERATE AS NECESSARY AND NOT INTERFERE OR HINDER THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.
- THE CONTRACTOR SHALL BE 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 LACEY AND THE PROJECT OWNER.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE CONSTRUCTION" STATE OR BETTER.
- DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL HIRE AN ARBORIST TO INSPECT ALL EXISTING TREES AND PROVIDE A REPORT ON RECOMMENDATIONS FOR PRUNING OR REMOVAL. CONTRACTOR SHALL PRUNE OR REMOVE TREES PER ARBORIST'S REPORT. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL RECORD ANY FIELD DEVIATION FROM THE ENGINEERING PLANS. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT.

STREET IMPROVEMENT NOTES:

- THE NEW ACCESS ROAD FROM MARVIN ROAD TO THE NEWLY CREATED PARCEL SHALL BE INSTALLED TO PRIVATE INDUSTRIAL ROADWAY STANDARD (SEE ATTACHED DETAIL). THIS ROADWAY SHALL BE CONSTRUCTED AND APPROVED PRIOR TO FINAL SHORT PLAT APPROVAL. THE ROAD SECTION FOR THIS ROAD IS 35-FEET. THE SECTION INCLUDES: 24-FEET OF ROADWAY, CURB AND GUTTER ON EACH SIDE OF THE ROAD AND A 5-FOOT SIDEWALK ON EACH SIDE OF THE ROAD.
- IN ADDITION TO ALL FEDERAL AND STATE STREET LIGHTING REQUIREMENTS, STREET LIGHTING LEVELS SHALL COMPLY WITH CURRENT CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS REQUIREMENTS FOR ROADWAYS AND INTERSECTION. TO COMPLY WITH THESE STANDARDS AND ASSURE STREET LIGHTING IS IN CONFORMANCE WITH THESE STANDARDS, ADDITIONAL STREET LIGHTING MAY BE REQUIRED FOR ALL STREETS ADJACENT TO THIS PROJECT. ALL STREET LIGHTING DESIGNS SHALL BE PREPARED BY AN ENGINEERING FIRM CAPABLE OF PERFORMING SUCH WORK. (DG&PWS, TRANSPORTATION, ILLUMINATION 4E.010)
- FIBER OPTIC CONDUIT SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS AS SET FORTH IN CHAPTER 4 (TRANSPORTATION) FROM THE DEVELOPMENT GUIDELINES & PUBLIC WORKS STANDARDS (DG&PWS, TRANSPORTATION 4E.035).
- ALL PUBLIC STREETS WITHIN THE CITY AND THE CITY'S UGA BOUNDARY WILL BE PLANTED WITH TREES TO CREATE A DISTINCT AND PLEASANT CHARACTER FOR THOSE ROADWAYS. THE STREET TREES LOCATED IN THE DEVELOPMENT GUIDELINES SHALL BE REQUIRED IN OR ALONG THE PUBLIC RIGHT-OF-WAY, INCLUDING MEDIANS. CONTACT THE CITY FOR SPECIFIC STREET AND ACCENT TREES IN THE CORE AREA. (DG&PWS, TRANSPORTATION 4G.100)
- IN ADDITION TO ALL FEDERAL AND STATE ROADWAY REQUIREMENTS, THIS PROJECT SHALL COMPLY WITH CURRENT CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS MANUAL REQUIREMENTS FOR ROADWAYS.

GENERAL SURVEYING REQUIREMENTS:

- UTILITY EASEMENTS ARE REQUIRED FOR ALL PUBLIC MAINS, WATER AND SEWER LOCATED ON PRIVATE PROPERTY. EASEMENTS SHALL INCLUDE FIRE HYDRANTS, WATER METERS, SEWER IMPROVEMENTS AND FUTURE EXTENSIONS OF MAINS TO ADJACENT PROPERTIES AS DETERMINED BY THE CITY. RATHER THAN BEING DESIGNATED AS WATER OR SEWER, ALL EASEMENTS SHALL BE IDENTIFIED AS "UTILITY" EASEMENTS ON THE CIVIL DRAWINGS AND IN THE EASEMENT DOCUMENT. SPECIFIC REQUIREMENTS WILL BE DETERMINED AT THE OF PLAN REVIEW. ALL EASEMENTS SHALL BE PREPARED BY A LICENSED LAND SURVEYOR AND SUBMITTED PRIOR TO RELEASE OF APPROVED CIVIL DRAWINGS (DG&PWS CHAPTER 3.110).
- LANDSCAPING WITHIN EASEMENTS AREAS SHALL BE LIMITED TO SHRUBS AND OTHER LOW GROWING VEGETATION WITHOUT MAJOR ROOT SYSTEMS. TREES ARE PROHIBITED WITHIN EASEMENT AREAS.
- THE CITY OF LACEY COORDINATE SYSTEM IS A GROUND SCALE COORDINATE SYSTEM DERIVED FROM THE WASHINGTON COORDINATE SYSTEM, NAD 83/91. UNITS ARE EXPRESSED IN FEET. DATA CAN BE OBTAINED FROM LACEY PUBLIC WORKS DEPARTMENT. CIVIL DRAWINGS SHALL BE SUBMITTED UTILIZING THE CITY OF LACEY COORDINATE SYSTEM. (DG&PWS 3.025)
- CITY OF LACEY VERTICAL DATUM HAS ELEVATIONS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). UNITS ARE EXPRESSED IN FEET. A BENCHMARK LISTING CAN BE OBTAINED FROM LACEY PUBLIC WORKS DEPARTMENT. CIVIL DRAWINGS SHALL BE SUBMITTED UTILIZING THE CITY OF LACEY VERTICAL DATUM. (DG&PWS 3.025)

ABBREVIATIONS

&	AND	L	LENGTH
±	ANGLE	LB(S)	POUND(S)
±	APPROXIMATELY	LF	LINEAR FEET
⊙	AT	LP	LOW POINT ELEVATION
⊙	CENTERLINE	LT	LEFT
'	DEGREE	MAX	MAXIMUM
=	EQUALS	MFR	MANUFACTURER
>	FOOT	MH	MANHOLE
>	GREATER THAN	MIN	MINIMUM
"	INCH	MISC	MISCELLANEOUS
%	NUMBER PERCENT	MON	MONUMENT IN CASE
AC	ASPHALTIC CONCRETE	N	NORTH, NORTHING
ADD'L	ADDITIONAL	N/A	NOT APPLICABLE
ADJT	ADJACENT	NE	NORTHEAST
AFF	ABOVE FINISH FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
AP	ANGLE POINT	NIC	NOT IN CONTRACT
APPROX	APPROXIMATE	NO, NO	NUMBER
ARCH	ARCHITECT	NTS	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NW	NORTHWEST
ATB	ASPHALT TREATED BASE COURSE	OC, OC	ON CENTER
AVE	AVENUE	OD	OUTSIDE DIAMETER
BCR	BEGIN CURB RETURN	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
BFV	BUTTERFLY VALVE	P	POWER, POWER VAULT
BGS	BELOW GROUND SURFACE	PCC	POINT OF CURVATURE
BLK	BLOCK(S)	PC	POINT OF COMPOUND CURVE
BLDG	BUILDING	PC	OR PORTLAND CEMENT CONCRETE
BM	BENCHMARK	PED	PEDESTAL
BVC	BEGIN VERTICAL CURB	PI	POINT OF INTERSECTION
C	CONDUIT	PL	PROPERTY LINE
CB	CATCH BASIN	POC	POINT OF CONNECTION
CF	CUBIC FEET	PP	POWER POLE
CIRC	CIRCUIT, CIRCULAR, TION	PRC	POINT OF REVERSE CURVATURE
CIP	CAST-IN-PLACE	PROP	PROPERTY
CIP MON	CAST-IN-PLACE MONUMENT	PSI	POUNDS PER SQUARE INCH
CJ	CENTER JOINT	PT	POINT OF TANGENCY
CL	CENTER LINE	PVC	POINT OF VERTICAL CURVE
CLR	CROWNLINE	PVI	POINT OF VERTICAL INTERSECTION
CL	CLEAR	PVT	POINT OF VERTICAL TANGENT
CO	CLEANOUT	PMT	PAVEMENT
COMM	COMMUNICATION	PWR	POWER
COMPT	COMPACTED	QTY	QUANTITY
CONC	CONCRETE	R	RADIUS
CONST	CONSTRUCT	RD	ROAD, ROADWAY
CONT	CONTINUE, ED, OUS, ATION	REF	REFERENCE
COORD	COORDINATE	REIN	REINFORCE, ED, ING, MENT
CSBC	CRUSHED SURFACING BASE COURSE	REQ'D	REQUIRED
CSTC	CRUSHED SURFACING TOP COURSE	REV	REVISION
CULV	CULVERT	RIM	STRUCTURE RIM ELEVATION
CU YD	CUBIC YARD	RT	RIGHT TURN
D/W	DRIVEWAY	R/W, ROW	RIGHT OF WAY
DEF	DEFLECTION	S	SOUTH OR SLOPE
DEG	DEGREE	SCHED	SCHEDULE
DEMO	DEMOLISH/DEMOLITION	SD, SDMH	STORM DRAIN, STORM DRAIN MANHOLE
DIA	DIAMETER	SE	SOUTHEAST
DIM	DIMENSION(S)	SECT	SECTION(S)
DIP	DUCTILE IRON PIPE	SHT	SHEET
DR	DRIVE	SP	SPRINKLER
DWG(S)	DRAWING(S)	SO	SQUARE
E	EAST OR ELECTRICAL	SO FT	SQUARE FEET
EA	EACH	SO IN	SQUARE INCH
EOR	END CURB RETURN	SS	SANITARY SEWER
EHH	ELECTRICAL HANDHOLE	SSMH	SANITARY SEWER MANHOLE
EL, ELEV	ELEVATION	ST	STREET
ELEC	ELECTRIC(AL)	STA	STATION
ENGR	ENGINEER	STD	STANDARD
EOP	EDGE OF PAVEMENT	STRUCT	STRUCTURE(, AL)
EQ	EQUAL(LY)	SW	SOUTHWEST
EQUIP	EQUIPMENT	SYS	SYSTEM
ESMT	EASEMENT	T	TELEPHONE OR TELEPHONE VAULT
EVC	END VERTICAL CURVE	TBD	TO BE DETERMINED
EX, EXIST	EXISTING EXPANSION	TBM	TEMPORARY BENCH MARK
EXP	EXPANSION	TC	TOP OF CURB ELEVATION
FDC	FIRE DEPARTMENT CONNECTION	TELE	TELEPHONE
FDN	FOUNDATION	TEMP	TEMPORARY
FF	FINISH FLOOR	TOW	TOP OF WALL ELEVATION
FG	FINISH GRADE ELEVATION	TP, T/P	TOP OF PIPE
FH	FIRE HYDRANT	TYP	TYPICAL
FN	FINISH(ED)	UDG	UNDERGROUND
FL	FIRE LINE/FLANGE	VAP	VERTICAL ANGLE POINT
FT	FOOT/FEET	VC	VERTICAL CURVE
G	GAS	VERT	VERTICAL
GALV	GALVANIZED	VOL	VOLUME
GRND	GROUND	W	WEST, WIDTH, WIDE OR WATER
GV	GATE VALVE	W/	WITH
HH	HANDHOLE	W/O	WITHOUT
HORIZ	HORIZONTAL	WM	WATER MAIN OR WILLAMETTE MERIDIAN
HT	HEIGHT	WV	WATER VALVE
IE	INVERT ELEVATION	XFMR	TRANSFORMER
IN	INCH		
JB, J-BOX	JUNCTION BOX		
JT	JOINT TRENCH		
KV	KILOVOLTS		
KW	KILOWATT		
KWH	KILOWATT HOURS		

Feb 21, 2024 10:38:54am - User: rathor@cityoflacey.com N:\PROJECTS\6728 GATEWAY CHRISTIAN CENTER\23-000886 GATEWAY CENTER CTR PLAT INFRASTRUCTURE\CAD\23-000886 GN-01.DWG

BY	
DATE	
REVISIONS	
△	

SCJ ALLIANCE
CONSULTING SERVICES

8730 TALLOW LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

GENERAL NOTES

GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516

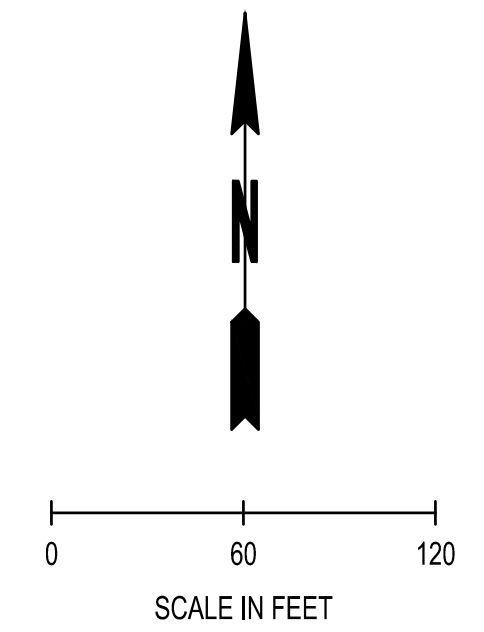
SEAL:

02/27/2024

DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO.:	23-000886
DRAWING FILE NO.:	23-000886 GN-01
DRAWING NO.:	GN-01
SHEET NO.:	2 OF 10

NOT FOR CONSTRUCTION PRELIMINARY PLANS

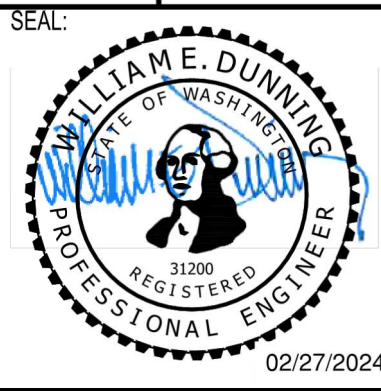
SEC. 18, T 18 N., R 1 W., W.M.



REVISIONS	DATE	BY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLOW LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

EROSION CONTROL AND DEMOLITION PLAN
GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516



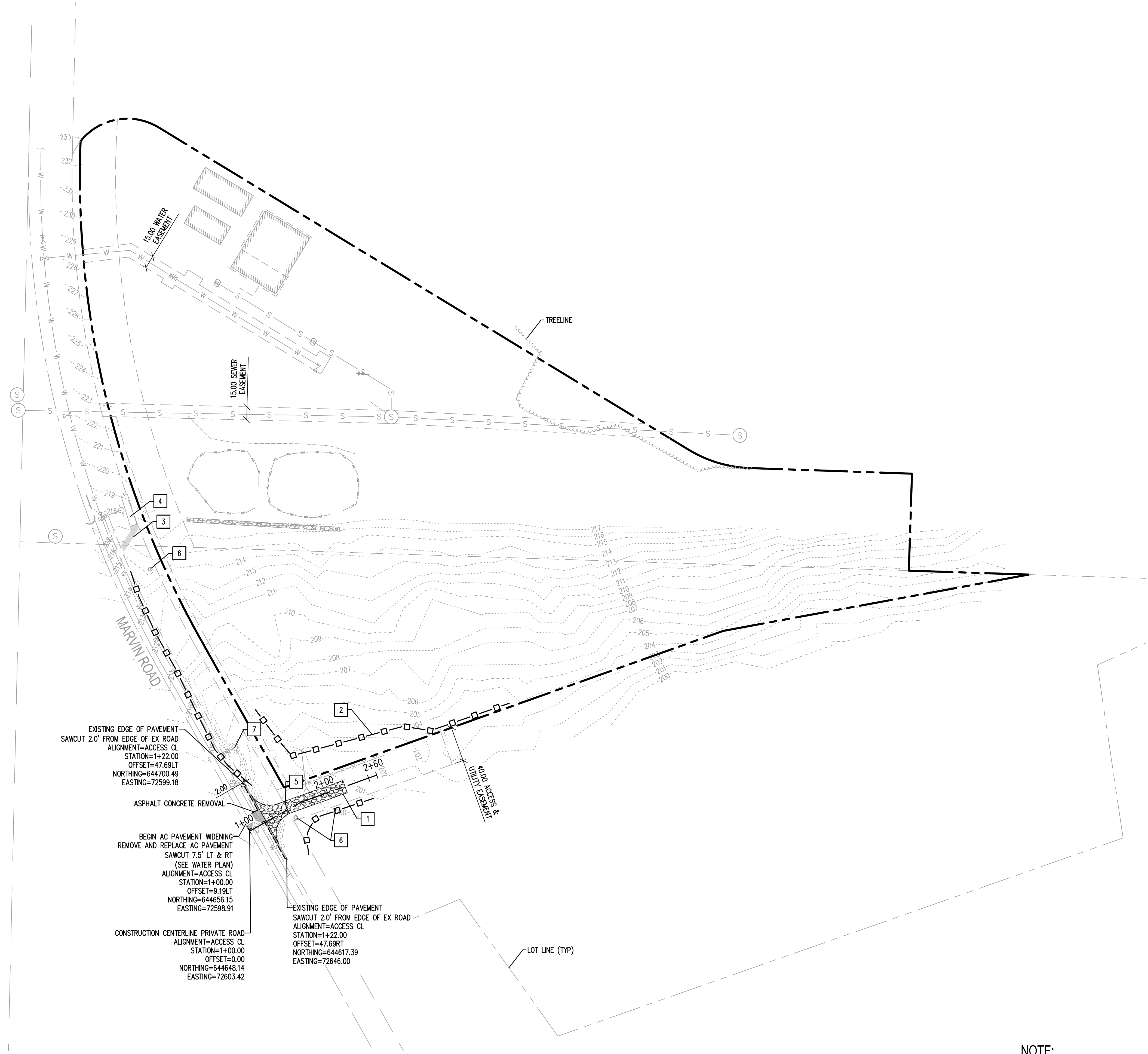
DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO:	23-000886
DRAWING FILE NO:	23-000886 EC-01
DRAWING NO:	EC-01
SHEET NO:	3 OF 10

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED LOT LINE
- SILT FENCE, SEE EC-02
- STABILIZED CONSTRUCTION ENTRANCE SEE EC-02
- ASPHALT CONCRETE REMOVAL
- HMA SIDEWALK REMOVAL

EROSION CONTROL AND DEMOLITION NOTES:

1. STABILIZED CONSTRUCTION ENTRANCE, SEE EC-02
2. SILT FENCE, SEE EC-02
3. REMOVE HMA SIDEWALK AND BASE
4. REMOVE PORTLAND CEMENT CONCRETE SIDEWALK TO THE NEAREST EXPANSION JOINT
5. REMOVE EXISTING FENCE AND GATES AS NECESSARY FOR CONSTRUCTION
6. PROTECT IN PLACE ALL EXISTING STORMWATER INFRASTRUCTURE
7. PROTECT IN PLACE EXISTING FIRE HYDRANT



EXISTING EDGE OF PAVEMENT
SAWCUT 2.0' FROM EDGE OF EX ROAD
ALIGNMENT=ACCESS CL
STATION=1+22.00
OFFSET=47.69LT
NORTHING=644700.49
EASTING=72599.18

ASPHALT CONCRETE REMOVAL
BEGIN AC PAVEMENT WIDENING
REMOVE AND REPLACE AC PAVEMENT
SAWCUT 7.5' LT & RT
(SEE WATER PLAN)
ALIGNMENT=ACCESS CL
STATION=1+00.00
OFFSET=9.19LT
NORTHING=644656.15
EASTING=72598.91

CONSTRUCTION CENTERLINE PRIVATE ROAD
ALIGNMENT=ACCESS CL
STATION=1+00.00
OFFSET=0.00
NORTHING=644648.14
EASTING=72603.42

EXISTING EDGE OF PAVEMENT
SAWCUT 2.0' FROM EDGE OF EX ROAD
ALIGNMENT=ACCESS CL
STATION=1+22.00
OFFSET=47.69RT
NORTHING=644617.39
EASTING=72646.00

LOT LINE (TYP)

NOTE:

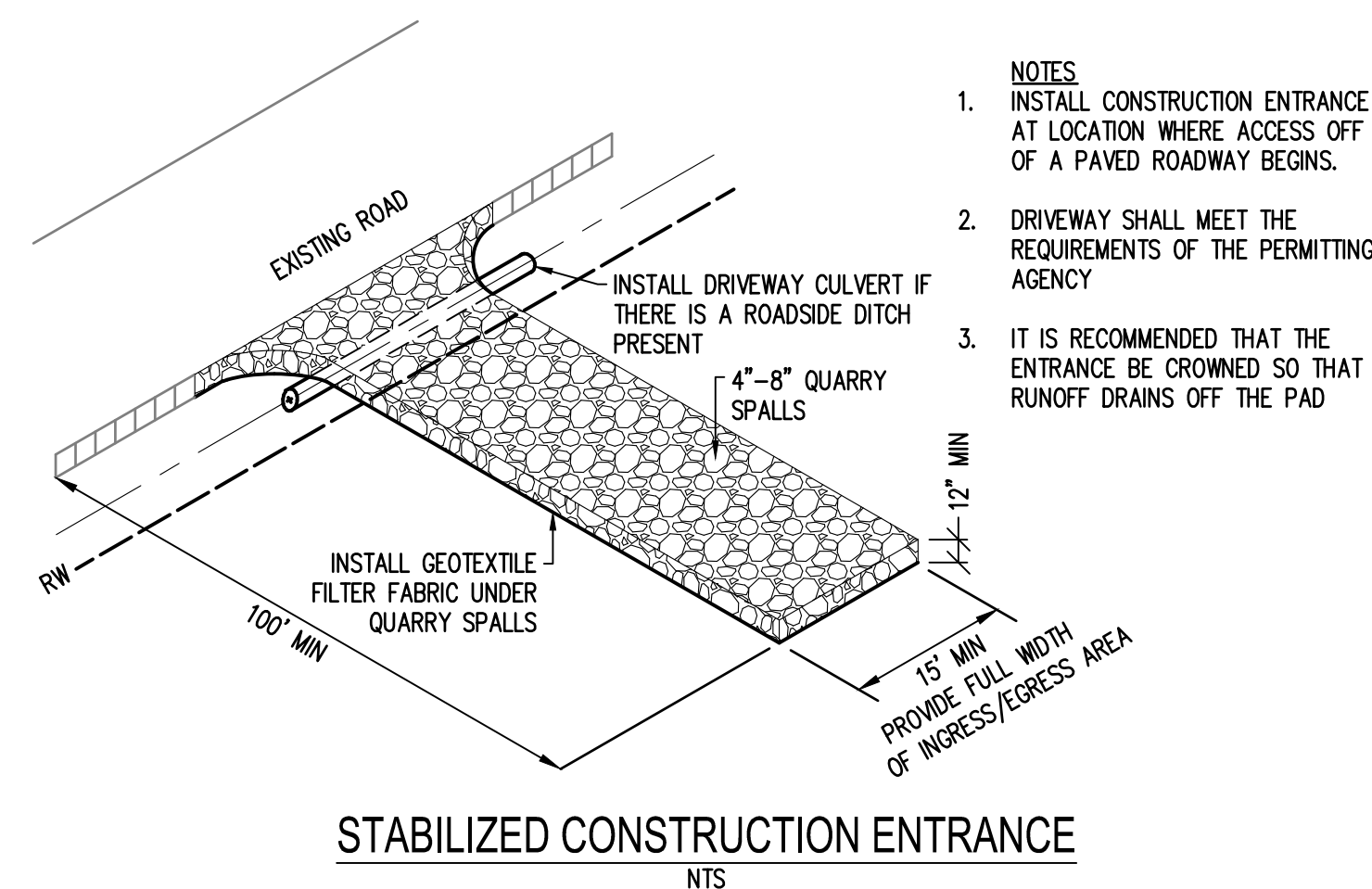
CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONTRACTOR PERFORMING WORK. COORDINATE WITH ENGINEER IF DISCREPANCIES ARE IDENTIFIED. COORDINATE TO AS-BUILT SURVEY IMPROVEMENTS AS PART OF BASE CONTRACT.

NOT FOR CONSTRUCTION

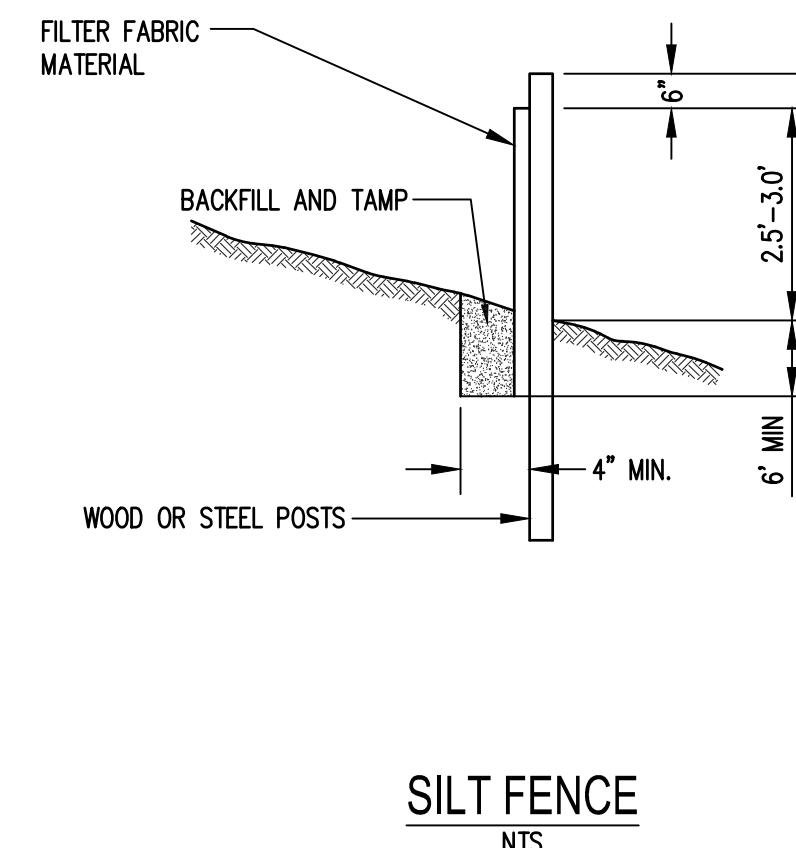
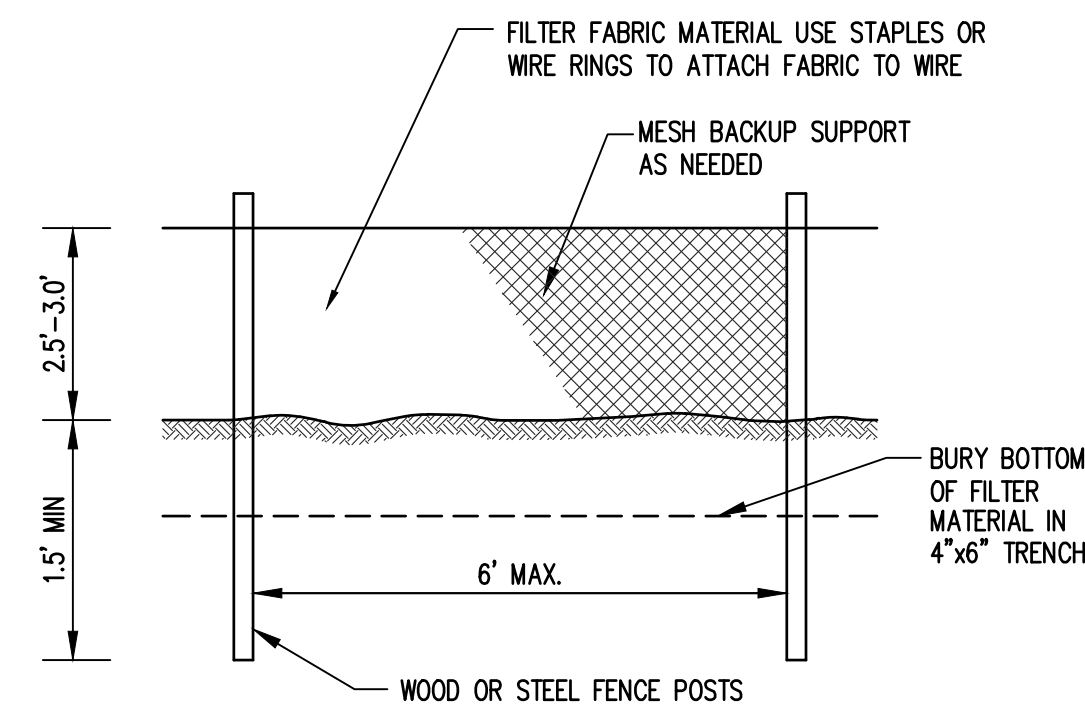
PRELIMINARY PLANS

Feb 21, 2024 10:39:07am - User: nathan.althausen
N:\PROJECTS\1726 GATEWAY CHRISTIAN CENTER\23-000886 GATEWAY CHRISTIAN CTR PLAT INFRASTRUCTURE\23-000886 EC-01.DWG

Feb 21, 2024 10:39:50am - User: c:\pwworkspace\projects\6728 GATEWAY CHRISTIAN CENTER\23-000886 GATEWAY CENTER\23-000886 EC-02.DWG



- NOTES**
1. INSTALL CONSTRUCTION ENTRANCE AT LOCATION WHERE ACCESS OFF OF A PAVED ROADWAY BEGINS.
 2. DRIVEWAY SHALL MEET THE REQUIREMENTS OF THE PERMITTING AGENCY
 3. IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS OFF THE PAD



GENERAL EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL FOLLOW EROSION CONTROL PRACTICES OUTLINED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON AND THE SWPPP.
2. 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.
3. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION. THE PROJECT ENGINEER 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 UPON ARRIVAL AT PROJECT/CONSTRUCTION SITE.
 - B. STABILIZED CONSTRUCTION ENTRANCE SHALL CONFORM TO DETAIL ON SHEET EC-02. STABILIZED CONSTRUCTION ENTRANCE. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT ALL INGRESS/EGRESS POINTS TO CONSTRUCTION SITE.
4. 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 LACEY **§§**.
5. 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.
6. 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.
7. 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.
8. ALL OFF-SITE CATCH BASINS IMMEDIATELY ADJACENT TO THE PROPOSED SITE SHALL BE PROTECTED FROM SILTATION.
9. 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.
10. TRENCH DEWATERING DEVICES SHALL BE DISCHARGED IN A MANNER THAT WILL NOT ADVERSELY AFFECT STREAMS, DRAINAGE SYSTEMS, OR OFF-SITE PROPERTIES.
11. TRACKING OF SOIL, MUD, OR DEBRIS OFF-SITE IS NOT ALLOWED. SOIL, MUD, OR DEBRIS TRACKED ONTO A PUBLIC ROADWAY, SHALL BE REMOVED ON AN ONGOING BASIS. 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.
12. 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.
13. ALL SEEDED OR SODDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE VEGETATIVE COVERAGE IS COMPLETE. AREAS SHALL BE REPAIRED, RESEEDED, AND FERTILIZED AS REQUIRED.
14. DROP-IN CATCH BASIN FILTERS MAY BE USED IN PLACE OF OTHER STANDARD INLET PROTECTION PRACTICES. THIS INLET PROTECTION TECHNOLOGY CAN BE USED IN SITUATIONS WHERE RIGHT-OF-WAY FLOODING WOULD BE PROBLEMATIC.
15. 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.
16. 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.
17. 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.

WET WEATHER CONSTRUCTION NOTES:

1. GROUND SURFACE SHALL BE SLOPED SO SURFACE WATER IS COLLECTED AND DIRECTED AWAY FROM THE WORK AREA TO AN APPROVED COLLECTION/DISPERSION POINT
2. EARTHWORK ACTIVITIES SHALL NOT TAKE PLACE DURING PERIODS OF HEAVY PRECIPITATION
3. MEASURES SHALL BE TAKEN TO PREVENT ONSITE SOIL AND SOIL STOCKPILES FROM BECOMING WET OR UNSTABLE
4. STRUCTURAL FILL MATERIALS USED DURING PERIODS OF WET WEATHER SHALL BE COMPACTED TO THE PROJECT SPECIFICATIONS. SUITABLE STRUCTURAL FILL MATERIAL FOR WET WEATHER USE INCLUDES IMPORTED ALL-WEATHER FILL PER PROJECT'S GEOTECHNICAL ENGINEERING REPORT
5. A SMOOTH-DRUM ROLLER SHALL BE USED TO SEAL THE GROUND SURFACE PRIOR TO PERIODS OF PRECIPITATION TO REDUCE THE EXTENT TO WHICH THE SOIL BECOMES WET OR UNSTABLE
6. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO SPECIFIC AREAS OF THE SITE SURFACED WITH MATERIALS NOT SUSCEPTIBLE TO WET WEATHER DISTURBANCE
7. A MINIMUM 1 FOOT THICK LAYER OF 4- TO 6-INCH QUARRY SPALLS SHALL BE USED IN HIGH-TRAFFIC AREAS TO PROTECT THE SUBGRADE SOIL FROM DISTURBANCE
8. DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30 INCLUSIVE), ALL DISTURBED SOILS SHALL BE STABILIZED WITHIN 48 HOURS AFTER STOP OF WORK. EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, COVERING THE AFFECTED AREA INCLUDING SOIL PILES WITH PLASTIC SHEETING, STRAW MATTING, JUTE MATTING, STRAW MULCH, OR WOOD CHIPS. SEEDING OF THE DISTURBED AREAS SHALL TAKE PLACE AS WEATHER PERMITS.

NOT FOR CONSTRUCTION PRELIMINARY PLANS

BY	
DATE	
REVISIONS	
Δ	

SCJ ALLIANCE
CONSULTING SERVICES

8730 TALLOW LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

TESCO NOTES AND DETAILS

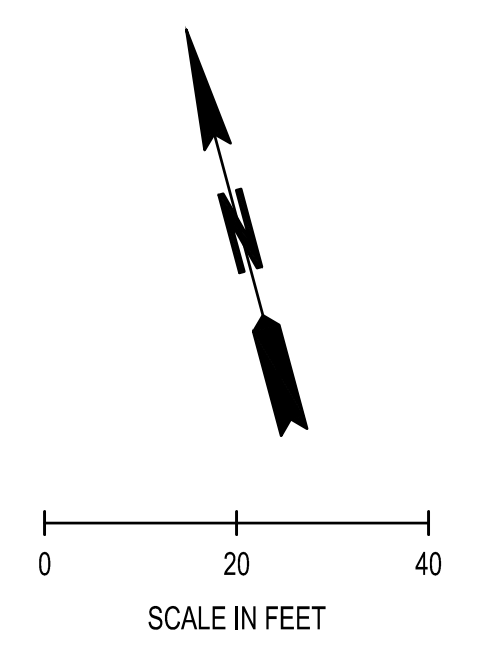
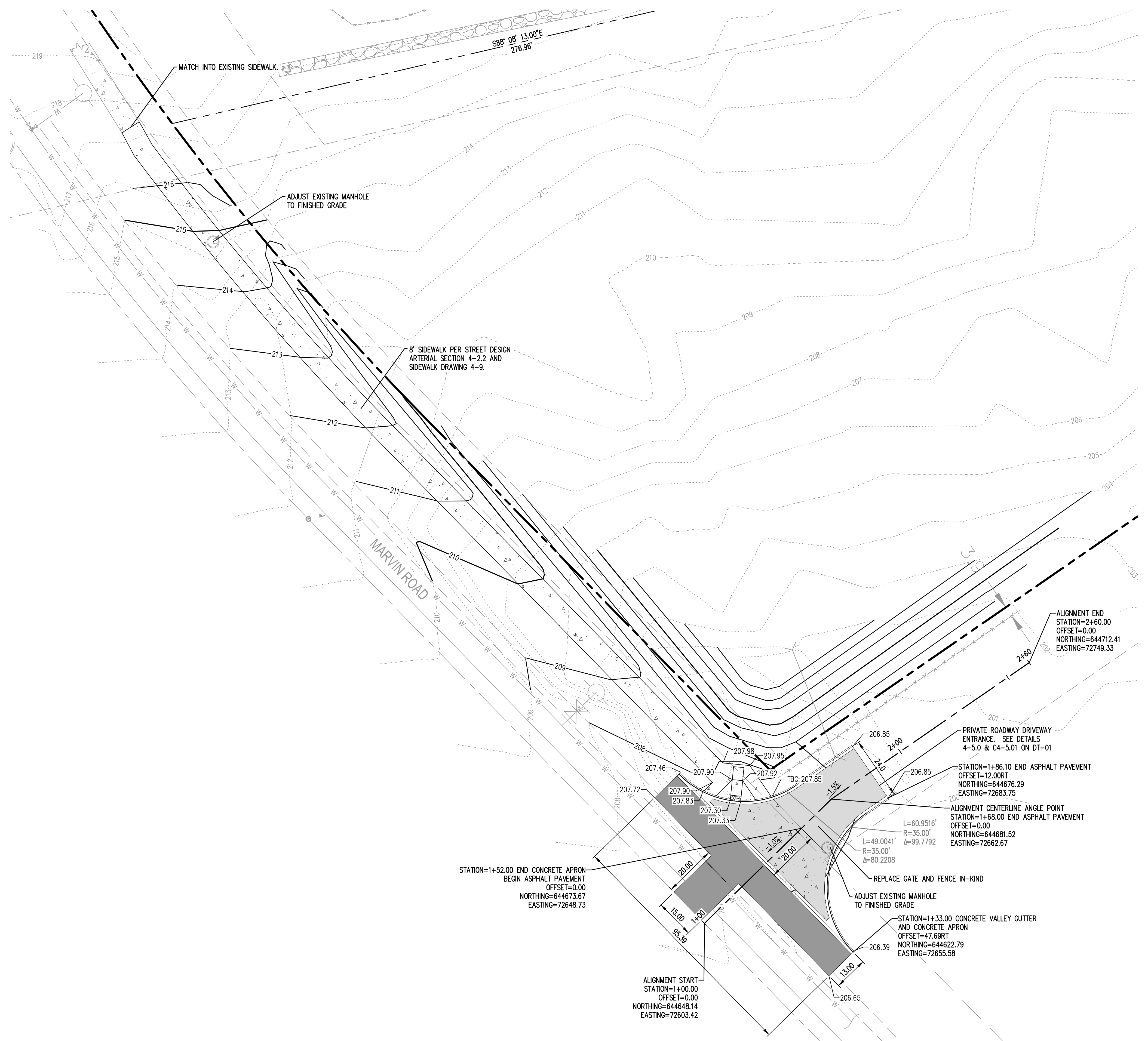
GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516

SHEET TITLE: PROJECT NAME:

SEAL:

DESIGNER: D. PHILLIPS
DRAWN BY: N. ALTHAUSER
APPROVED BY: B. DUNNING
DATE: FEBRUARY, 2024
JOB NO: 23-000886
DRAWING FILE NO: 23-000886 EC-02
DRAWING NO: EC-02
SHEET NO: 4 OF 10

SEC. 18, T 18 N., R 1 W., W.M.



LEGEND

	RIGHT-OF-WAY
	RIGHT-OF-WAY CENTERLINE
	PROPERTY LINE
	EXISTING EASEMENT
	LOT LINE
	CONCRETE SIDEWALK SEE DT-01
	BOULEVARD & ARTERIAL ASPHALT SEE DT-01
	MINOR LOCAL RESIDENTIAL & PRIVATE ASPHALT SEE DT-01
	PORTLAND CEMENT APRON FOR PRIVATE ROAD DRIVEWAY PER DWG. NO. 4-5.01; SEE DT-01

CITY OF LACEY GENERAL NOTES (STREET CONSTRUCTION):

- SEE APPROPRIATE DETAIL FOR SPECIFICATIONS FOR JOINING NEW AND EXISTING ASPHALT.
- COMPACTION OF SUBGRADE, ROCK, AND ASPHALT SHALL BE IN ACCORDANCE WITH THE MOST CURRENT ADOPTED VERSION OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
- FORM AND SUBGRADE INSPECTION BY THE CITY IS REQUIRED BEFORE POURING CONCRETE. (SEE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION 8-14.3 (1) THROUGH (4)). TWENTY-FOUR HOURS NOTICE IS REQUIRED FOR FORM INSPECTION.
- SEE CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS, CHAPTER 4B.200, FOR TESTING AND SAMPLING FREQUENCIES.
- THE CITY MANUFACTURES AND INSTALLS PUBLIC AND PRIVATE STREET NAME SIGNS, AND REGULATORY SIGNS AT THE CONTRACTOR'S/DEVELOPER'S EXPENSE. OTHER SIGNS THAT SHALL BE MANUFACTURED AND INSTALLED BY THE CITY AND PAID FOR BY THE CONTRACTOR/DEVELOPER'S WILL INCLUDE SIGNS FOR WELL SITES, TANK SITES, LIFT STATIONS, ODOR CONTROL STATIONS, MAINTENANCE AND/OR FIRE ACCESS THROUGH AN EASEMENT. (SEE 4B.050). SIGNS SHALL BE REQUESTED AT THE TIME STREET CONSTRUCTION BEGINS.
- MATERIAL USED FOR ALL PLASTIC STOP LINES, PLASTIC CROSSWALK LINES, PLASTIC TRAFFIC ARROWS, PLASTIC TRAFFIC LETTERS, PLASTIC LEGENDS, AND PLASTIC SYMBOLS SHALL BE TYPE B - PRE-FORMED FUSED THERMOPLASTIC AT 120 MIL THICKNESS.

NOTES:

- CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONTRACTOR PERFORMING WORK. COORDINATE WITH ENGINEER IF DISCREPANCIES ARE IDENTIFIED. COORDINATE TO AS-BUILT SURVEY IMPROVEMENTS AS PART OF BASE CONTRACT.
- THE CITY WILL INSTALL BOTH PUBLIC AND PRIVATE ROADWAY SIGNS AT THE DEVELOPER'S EXPENSE.

BY:	
DATE:	
REVISIONS:	

SCJ ALLIANCE
CONSULTING SERVICES

8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

FRONTAGE IMPROVEMENTS PLAN

GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516

SHEET TITLE:

PROJECT NAME:

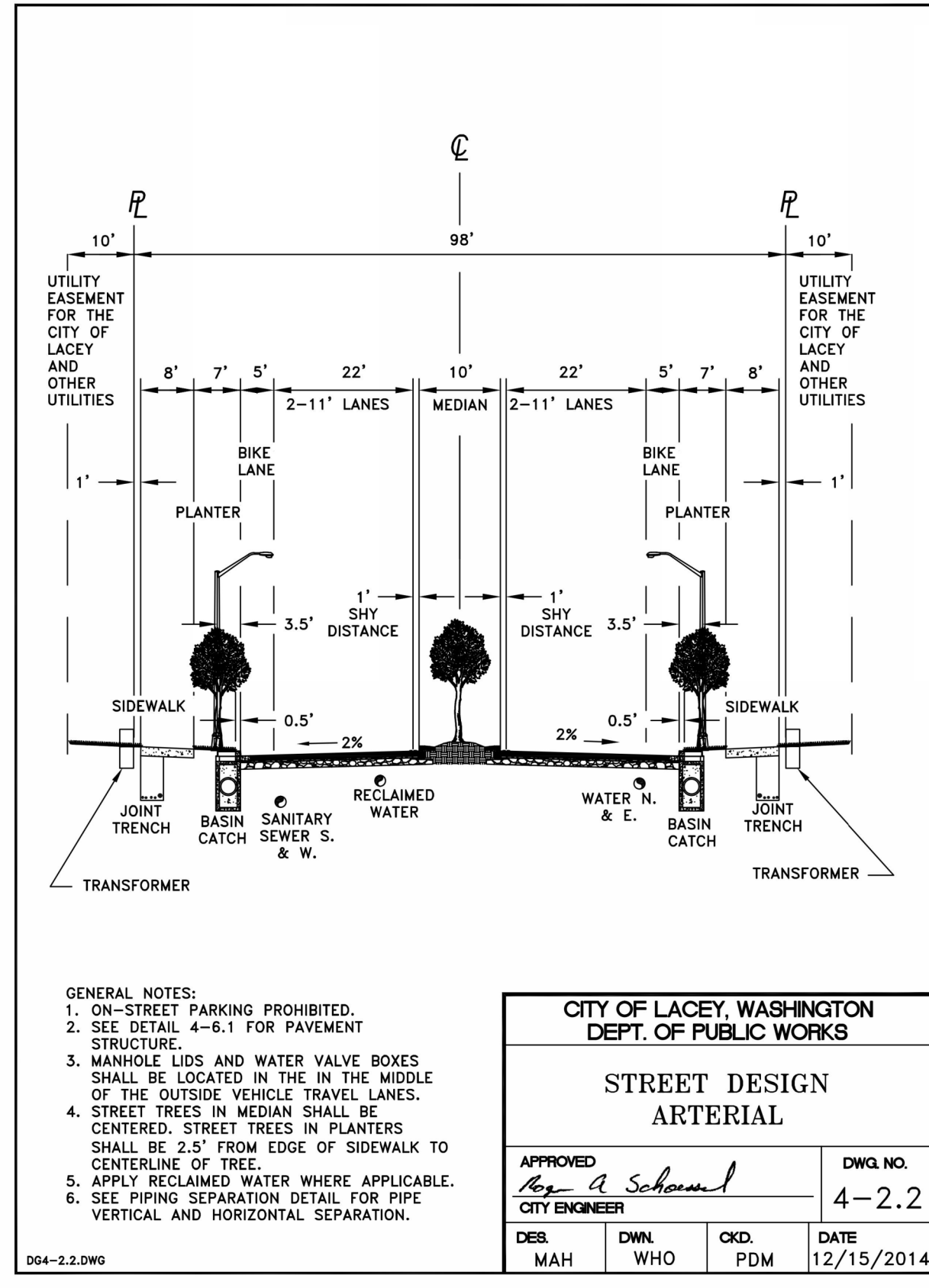
SEAL:

02/27/2024

DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO.:	23-000886
DRAWING FILE NO.:	23-000886 FR-01
DRAWING NO.:	FR-01
SHEET NO.:	5 OF 10

NOT FOR CONSTRUCTION PRELIMINARY PLANS

Feb 21, 2024, 11:30:47am - User: nathan.althausen
N:\PROJECTS\6728 GATEWAY CHRISTIAN CENTER\23-000886 FR-01.DWG

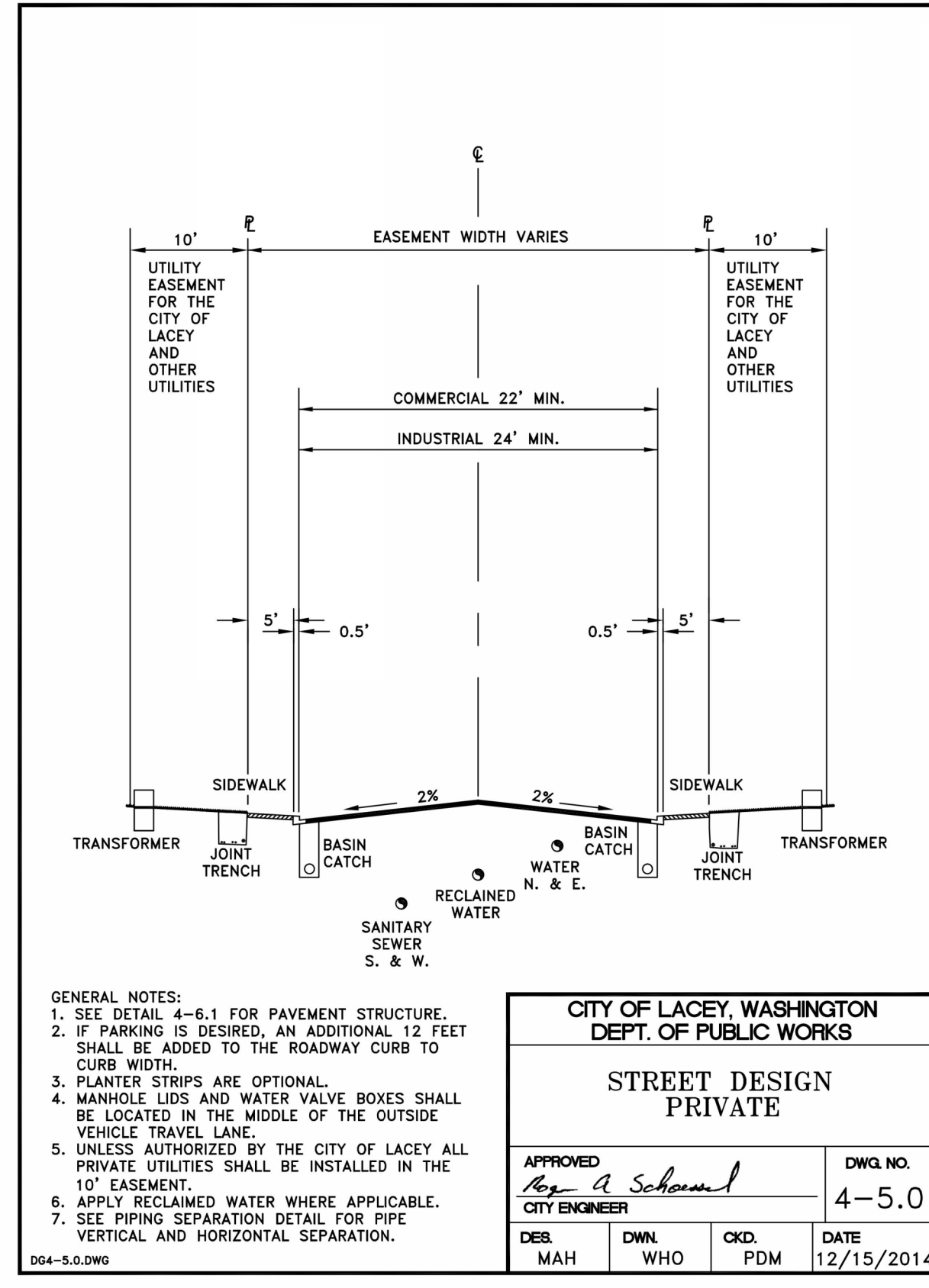


**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

**STREET DESIGN
ARTERIAL**

APPROVED: *Rog A. Schornell* DWG. NO. 4-2.2
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD PDM DATE 12/15/2014

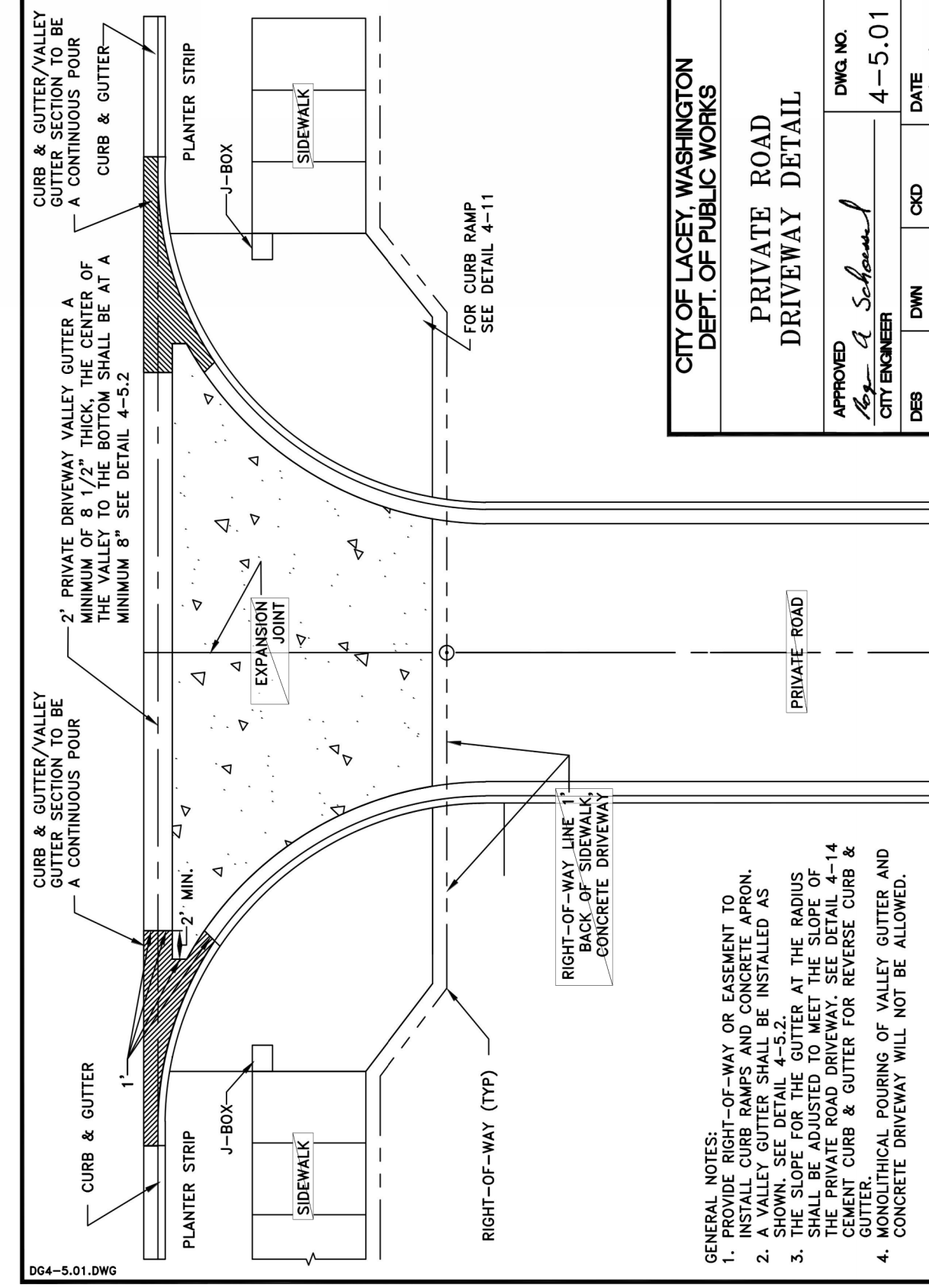


**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

**STREET DESIGN
PRIVATE**

APPROVED: *Rog A. Schornell* DWG. NO. 4-5.0
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD PDM DATE 12/15/2014



**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

**PRIVATE ROAD
DRIVEWAY DETAIL**

APPROVED: *Rog A. Schornell* DWG. NO. 4-5.0
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD PDM DATE 12/15/2014

PAVEMENT DESIGN-CONSTANTS

	BOULEVARD & ARTERIAL	MAJOR COLLECTOR	MINOR COLLECTOR	MAJOR LOCAL RESIDENTIAL	MINOR LOCAL RESIDENTIAL & PRIVATE	TRUCK ROUTE	ALLEY
AADT	30,000	30,000	16,000	8,000	2,000	25,000	500
% AADTT	8	8	8	5	5	30	5
GROWTH RATE	5	5	5	5	2	5	2
LANE FACTOR	0.5	0.5	0.5	0.5	0.8	0.5	0.8
DESIGN EAL	4,444,844	4,444,844	2,370,584	740,812	217,744	14,000,000	54,436
RK	95	90	90	85	80	95	80
S _o	0.45	0.45	0.45	0.45	0.45	0.45	0.45
P _i	4.20	4.20	4.20	4.20	4.20	4.20	4.20
P _f	2.5	2.4	2.4	2.3	2.2	2.5	2.2
Δ PSI	1.7	1.8	1.8	1.9	2.0	1.7	2.0
MIN. DEPTH HMA	6"	6"	5"	3"	3"	8"	2.5"
MIN. TOTAL DEPTH	14"	14"	14"	12"	12"	20"	9"
HMA	6"	6"	6"	4"	4"	8"	3"
CSTC	2"	2"	2"	2"	2"	2"	2"
BALLAST OR CRUSHED BASE COURSE	31"	27"	22"	21"	13"	28"	11"
COMMERCIAL CONCRETE	22"	19"	16"	15"	9"	23"	8"
CRUSHED BASE COURSE OR WELL GRADED SAND							6"

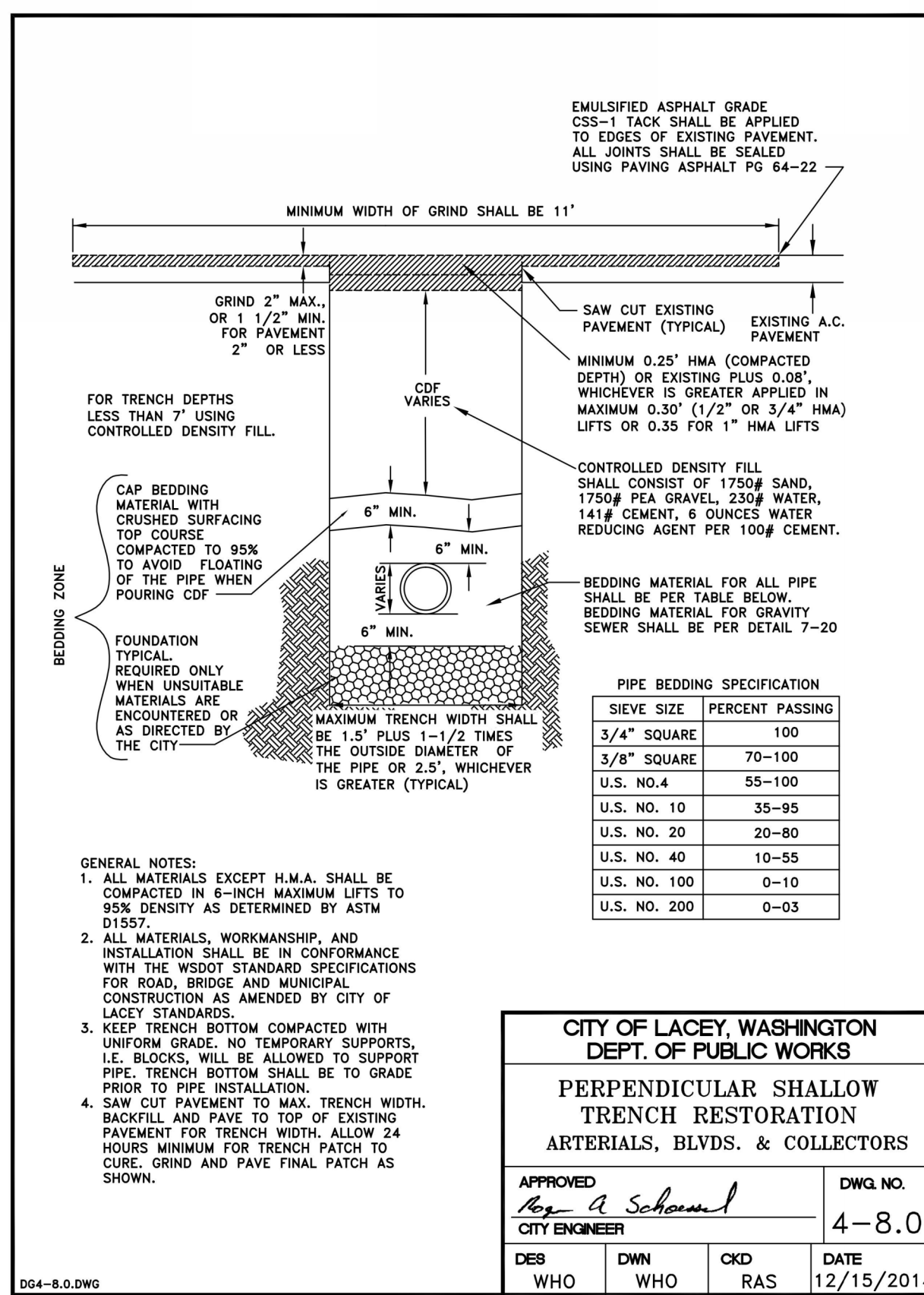
** STREET STRUCTURE REQUIRED IN LIEU OF DESIGN BASED ON FIELD VERIFIED "R" VALUE*

**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

PAVEMENT DESIGN

APPROVED: *Rog A. Schornell* DWG. NO. 4-6.1
CITY ENGINEER

DESIGNED BY: M.H. DWN WHO CKD R.A.S. DATE 12/15/2014

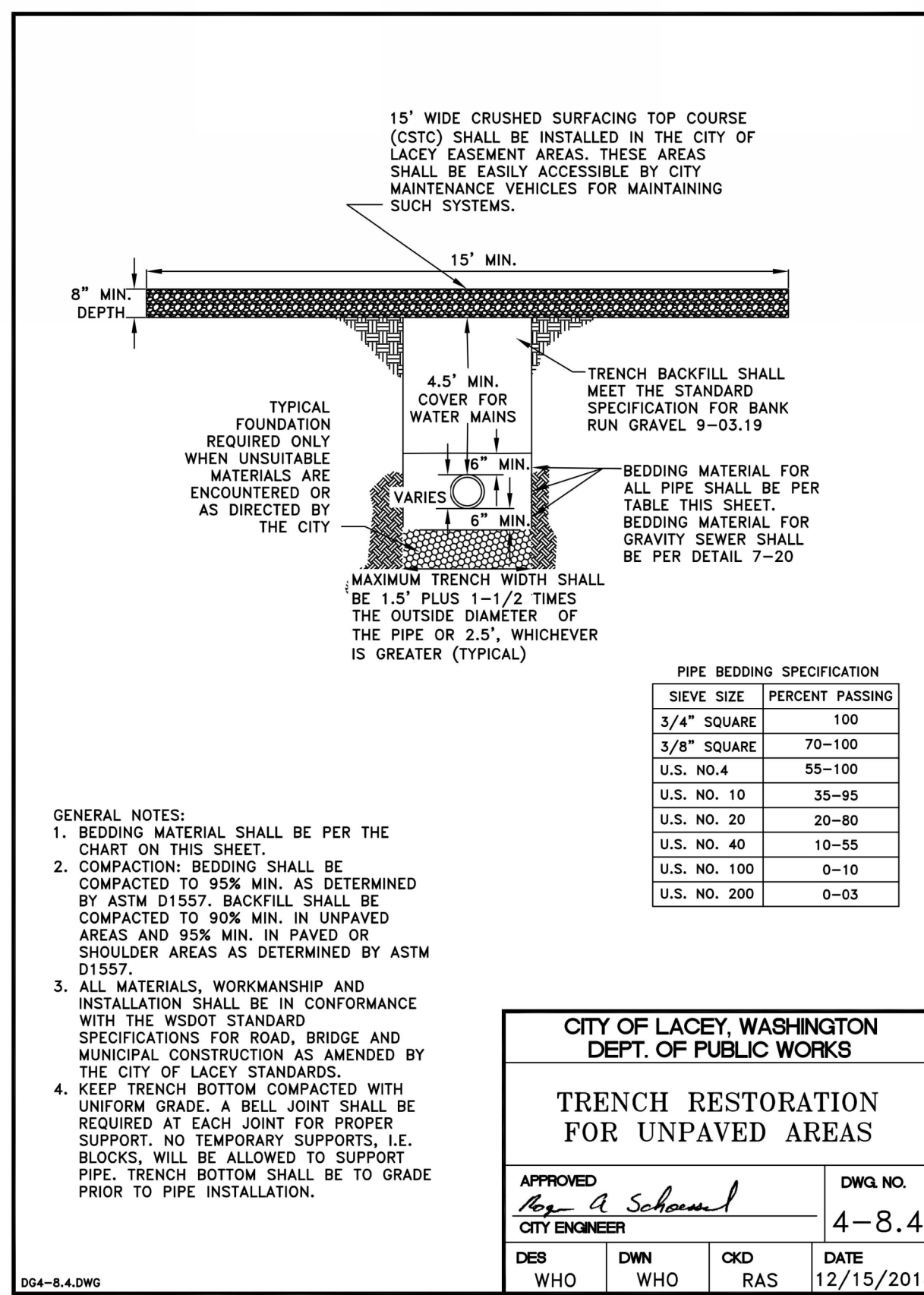


**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

**PERPENDICULAR SHALLOW
TRENCH RESTORATION
ARTERIALS, BLVDS. & COLLECTORS**

APPROVED: *Rog A. Schornell* DWG. NO. 4-8.0
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD RAS DATE 12/15/2014

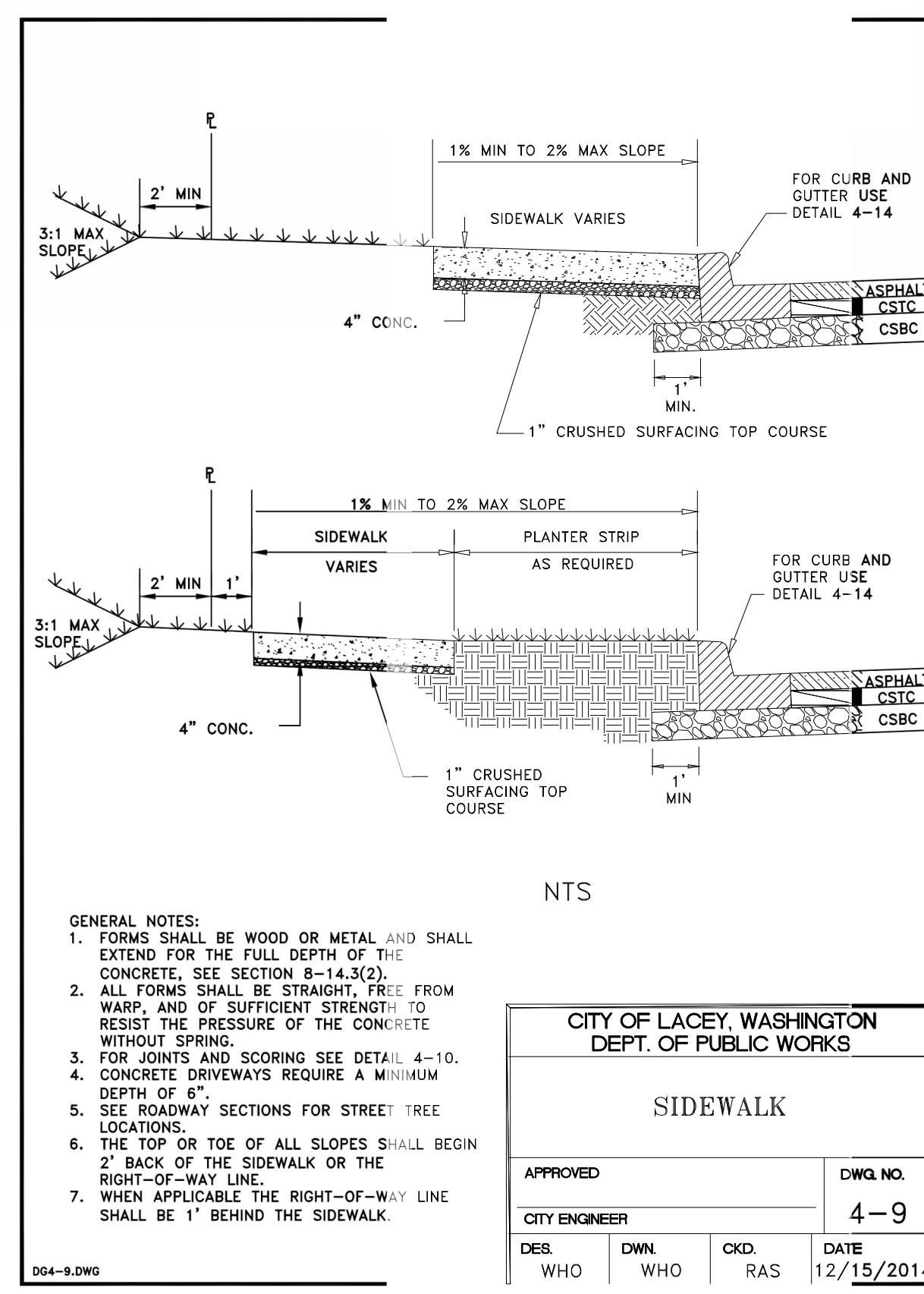


**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

**TRENCH RESTORATION
FOR UNPAVED AREAS**

APPROVED: *Rog A. Schornell* DWG. NO. 4-8.4
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD RAS DATE 12/15/2014

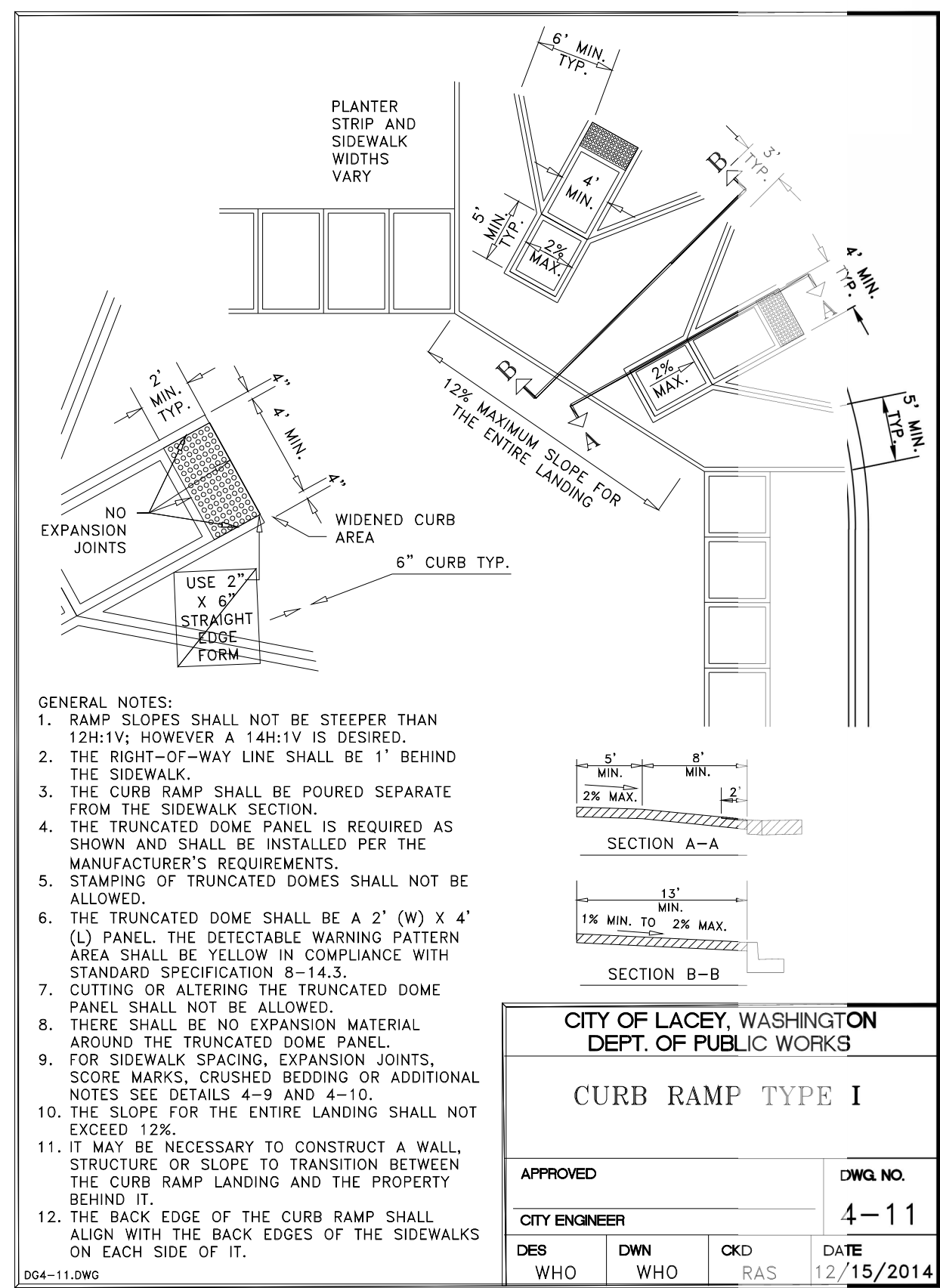


**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

SIDEWALK

APPROVED: *Rog A. Schornell* DWG. NO. 4-9
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD RAS DATE 12/15/2014



**CITY OF LACEY, WASHINGTON
DEPT. OF PUBLIC WORKS**

CURB RAMP TYPE I

APPROVED: *Rog A. Schornell* DWG. NO. 4-11
CITY ENGINEER

DESIGNED BY: MAH DWN WHO CKD RAS DATE 12/15/2014

BY: _____ DATE: _____

REVISIONS: _____

SCJ ALLIANCE CONSULTING SERVICES
3300 MARVIN RD NE
LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

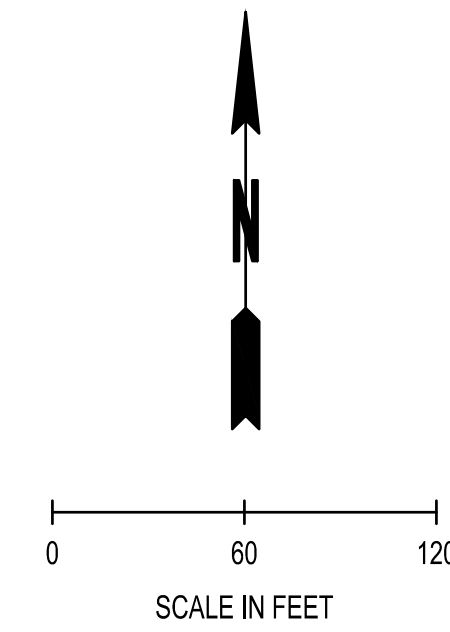
SITE DETAILS
GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516

PROJECT NAME: _____

SEAL: 02/27/2024

DESIGNER: D. PHILLIPS
DRAWN BY: N. ALTHAUER
APPROVED BY: B. DUNNING
DATE: FEBRUARY, 2024
JOB NO: 23-000886
DRAWING FILE NO: 23-000886-DT-01
DRAWING NO: DT-01
SHEET NO: 6 OF 10

SEC. 18, T 18 N., R 1 W., W.M.



LEGEND

- XX --- EXISTING CONTOURS (MAJOR/MINOR)
- XX --- PROPOSED CONTOURS (MAJOR/MINOR)
- SD --- SD --- SD --- EXISTING STORM PIPE
- --- EXISTING CULVERT
- --- PROPOSED CULVERT
- --- EXISTING EASEMENT
- --- PROPOSED EASEMENT

GENERAL STORMWATER NOTES:

1. CONTRACTOR SHALL RECORD ANY FIELD DEVIATION FROM ENGINEERING PLAN. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO ENGINEER UPON COMPLETION OF PROJECT.
2. IN ADDITION TO ALL FEDERAL AND STATE STORMWATER REQUIREMENTS, THIS PROJECT SHALL COMPLY WITH THE CURRENT CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS MANUAL AND THE CURRENT CITY OF LACEY STORMWATER DESIGN MANUAL (LMC 14.27). THE STORMWATER DESIGN MANUAL REQUIRES THE USE OF LOW IMPACT DEVELOPMENT (LID) TECHNIQUES TO THE MAXIMUM EXTENT POSSIBLE. STORMWATER DRAINAGE AND EROSION CONTROL SUBMITTAL SHALL BE IN CONFORMANCE WITH THE FORMATTING AND CONTENT REQUIREMENTS DESCRIBED IN CHAPTER 3 OF THE STORMWATER DESIGN MANUAL.
3. TREATMENT AND INFILTRATION FACILITIES SHALL BE CONSTRUCTED FOR STORMWATER ASSOCIATED WITH THE SITE, ADJACENT PROPERTIES CURRENTLY DISCHARGING TO THE SITE AND STORMWATER CURRENTLY DISCHARGING ONTO THE SITE FROM MARVIN ROAD. ADDITIONAL TREATMENT CANISTERS AT THE STORMWATER FACILITY TO THE SOUTH WILL BE REQUIRED FOR THE NEW ROADWAY REQUIRED WITH THE SHORT PLAT.
4. CURRENTLY THERE IS AN OVERFLOW FROM THE EXISTING STORMWATER FACILITY ON SITE DIRECTING STORMWATER TO THE SOUTH. WITH THE SHORT SUBDIVISION OF THE PROPERTY, PROVISIONS FOR THE OVERFLOW STORMWATER WILL NEED TO BE ADDRESSED.
5. IT IS BELIEVED THIS SITE IS PART OWNER OF THE STORM SYSTEM TO THE SOUTH. PRIOR TO FINAL SHORT PLAT APPROVAL, CONFIRMATION OF ALLOWABLE DISCHARGES FROM THE EXISTING LOT SHALL BE PROVIDED. ALSO, THE PROPORTIONATE SHARE OF STORMWATER FOR THE NEW CREATED LOT SHALL BE DETERMINED.
6. IN CONFORMANCE WITH THE CITY OF LACEY STORMWATER DESIGN MANUAL, POST-CONSTRUCTION SOIL QUALITY AND DEPTH (BMP T5.13) SHALL BE INCORPORATED INTO THE SITE DESIGN AND CONSTRUCTION (SDM 2.2.5 & 7.4.1).
7. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE SUBMITTED TO AND APPROVED BY THE CITY PRIOR TO BEGINNING ANY SITE DISTURBING ACTIVITIES AT THE PROJECT. EACH OF THE 13 REQUIRED ELEMENTS AS IDENTIFIED IN SDM CHAPTER 5 MUST BE ADDRESSED AND INCLUDED IN THE CONSTRUCTION SWPPP. IF SITE CONDITIONS RENDER ANY ELEMENT UNNECESSARY, THE EXEMPTION FOR THAT ELEMENT SHALL BE CLEARLY JUSTIFIED IN THE NARRATIVE FOR THE SWPPP. THE SWPPP SHALL BE SUBMITTED TO AND APPROVED BY THE CITY PRIOR TO CIVIL DRAWING APPROVAL.
8. A STORMWATER FACILITY MAINTENANCE AND SOURCE CONTROL MANUAL PER CHAPTER 3 OF THE CITY OF LACEY STORMWATER DESIGN MANUAL SHALL BE SUBMITTED TO AND APPROVED BY THE CITY OF LACEY. THE MAINTENANCE MANUAL SHALL BE INCLUDED WITH THE SUBMITTED DRAINAGE REPORT AS PART OF THE STORMWATER SITE PLAN.
9. ALSO, THE MAINTENANCE AND SOURCE CONTROL MANUAL SHALL BE PREPARED AS A STAND-ALONE DOCUMENT FOR THE POST-DEVELOPMENT FACILITY OWNER(S). THE MAINTENANCE MANUAL SHALL BE SUBMITTED TO AND APPROVED BY THE CITY PRIOR TO CIVIL DRAWING APPROVAL.

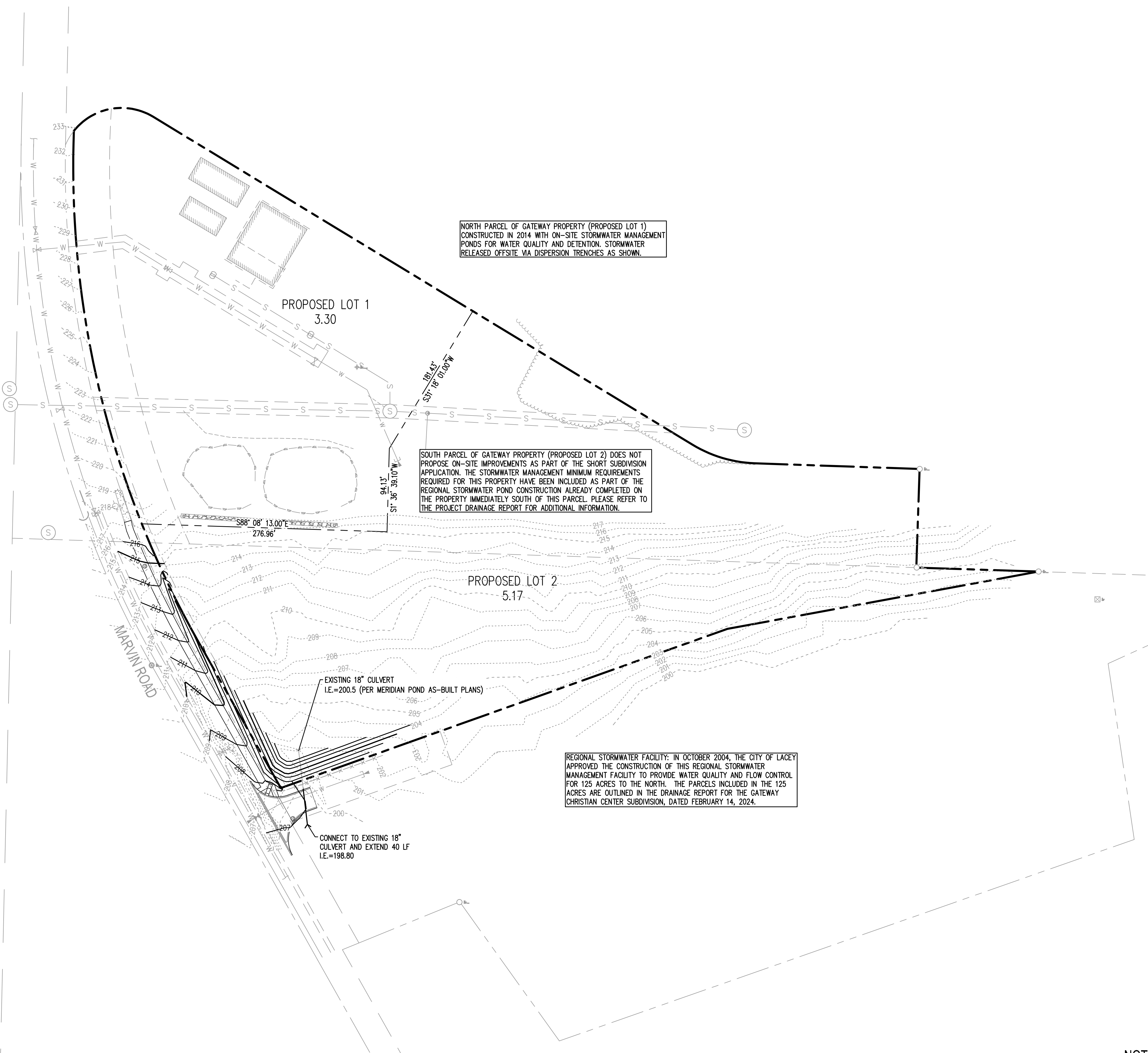
NORTH PARCEL OF GATEWAY PROPERTY (PROPOSED LOT 1) CONSTRUCTED IN 2014 WITH ON-SITE STORMWATER MANAGEMENT PONDS FOR WATER QUALITY AND DETENTION. STORMWATER RELEASED OFF-SITE VIA DISPERSION TRENCHES AS SHOWN.

SOUTH PARCEL OF GATEWAY PROPERTY (PROPOSED LOT 2) DOES NOT PROPOSE ON-SITE IMPROVEMENTS AS PART OF THE SHORT SUBDIVISION APPLICATION. THE STORMWATER MANAGEMENT MINIMUM REQUIREMENTS REQUIRED FOR THIS PROPERTY HAVE BEEN INCLUDED AS PART OF THE REGIONAL STORMWATER POND CONSTRUCTION ALREADY COMPLETED ON THE PROPERTY IMMEDIATELY SOUTH OF THIS PARCEL. PLEASE REFER TO THE PROJECT DRAINAGE REPORT FOR ADDITIONAL INFORMATION.

REGIONAL STORMWATER FACILITY: IN OCTOBER 2004, THE CITY OF LACEY APPROVED THE CONSTRUCTION OF THIS REGIONAL STORMWATER MANAGEMENT FACILITY TO PROVIDE WATER QUALITY AND FLOW CONTROL FOR 125 ACRES TO THE NORTH. THE PARCELS INCLUDED IN THE 125 ACRES ARE OUTLINED IN THE DRAINAGE REPORT FOR THE GATEWAY CHRISTIAN CENTER SUBDIVISION, DATED FEBRUARY 14, 2024.

EXISTING 18" CULVERT I.E.=200.5 (PER MERIDIAN POND AS-BUILT PLANS)

CONNECT TO EXISTING 18" CULVERT AND EXTEND 40 LF I.E.=198.80



NOTE:

CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONTRACTOR PERFORMING WORK. COORDINATE WITH ENGINEER IF DISCREPANCIES ARE IDENTIFIED. COORDINATE TO AS-BUILT SURVEY IMPROVEMENTS AS PART OF BASE CONTRACT.

NOT FOR CONSTRUCTION

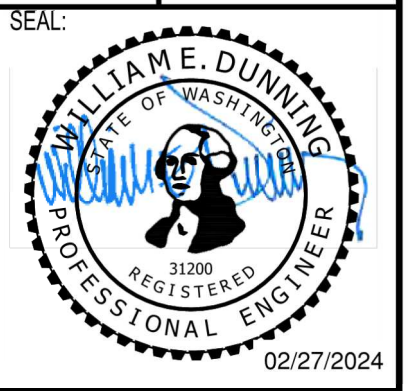
PRELIMINARY PLANS

REVISIONS	DATE	BY

SCJ ALLIANCE
CONSULTING SERVICES
8730 TALLOW LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

DRAINAGE PLAN

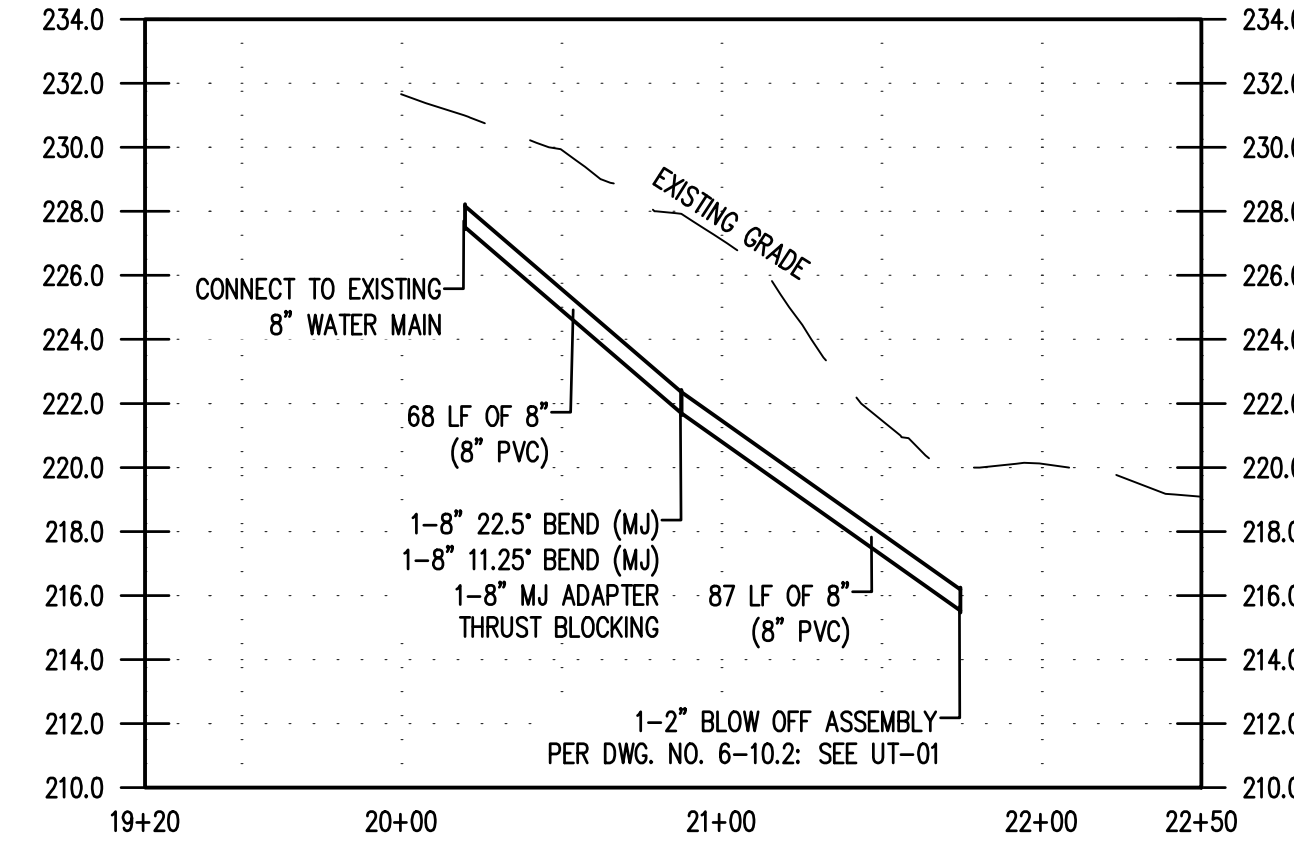
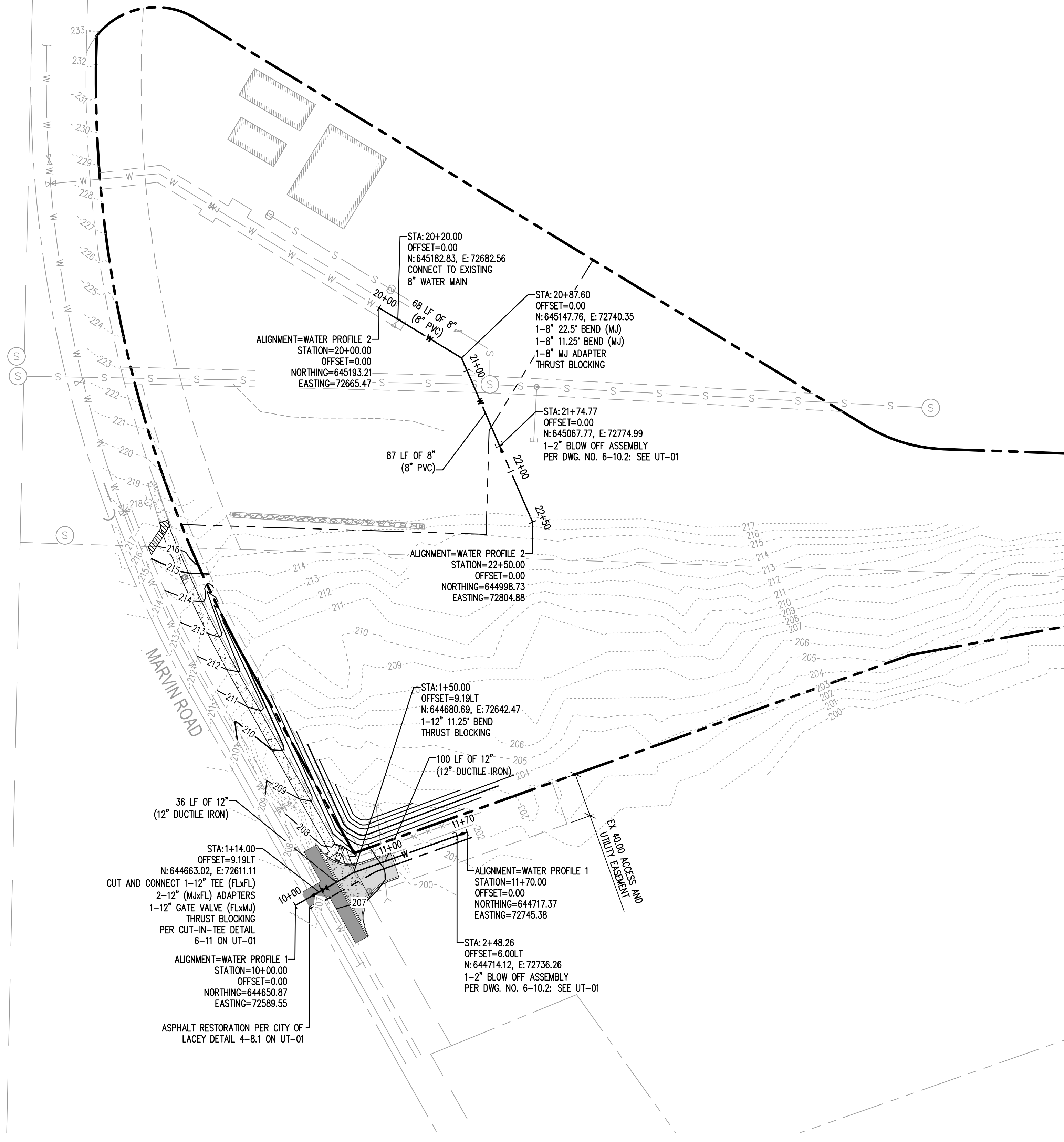
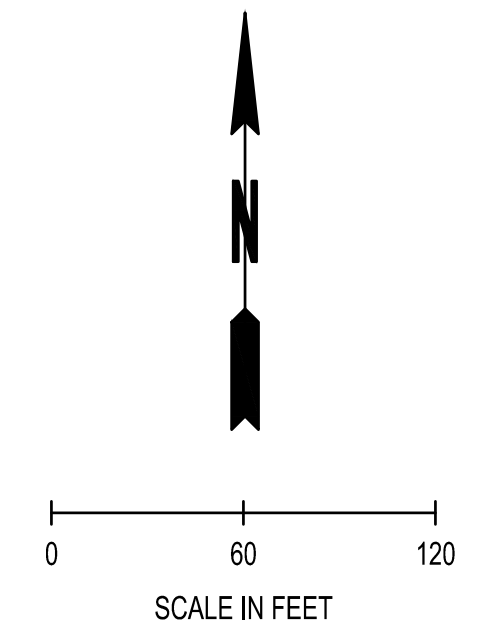
GATEWAY CHRISTIAN CENTER
3300 MARVIN RD NE
LACEY, WA 98516



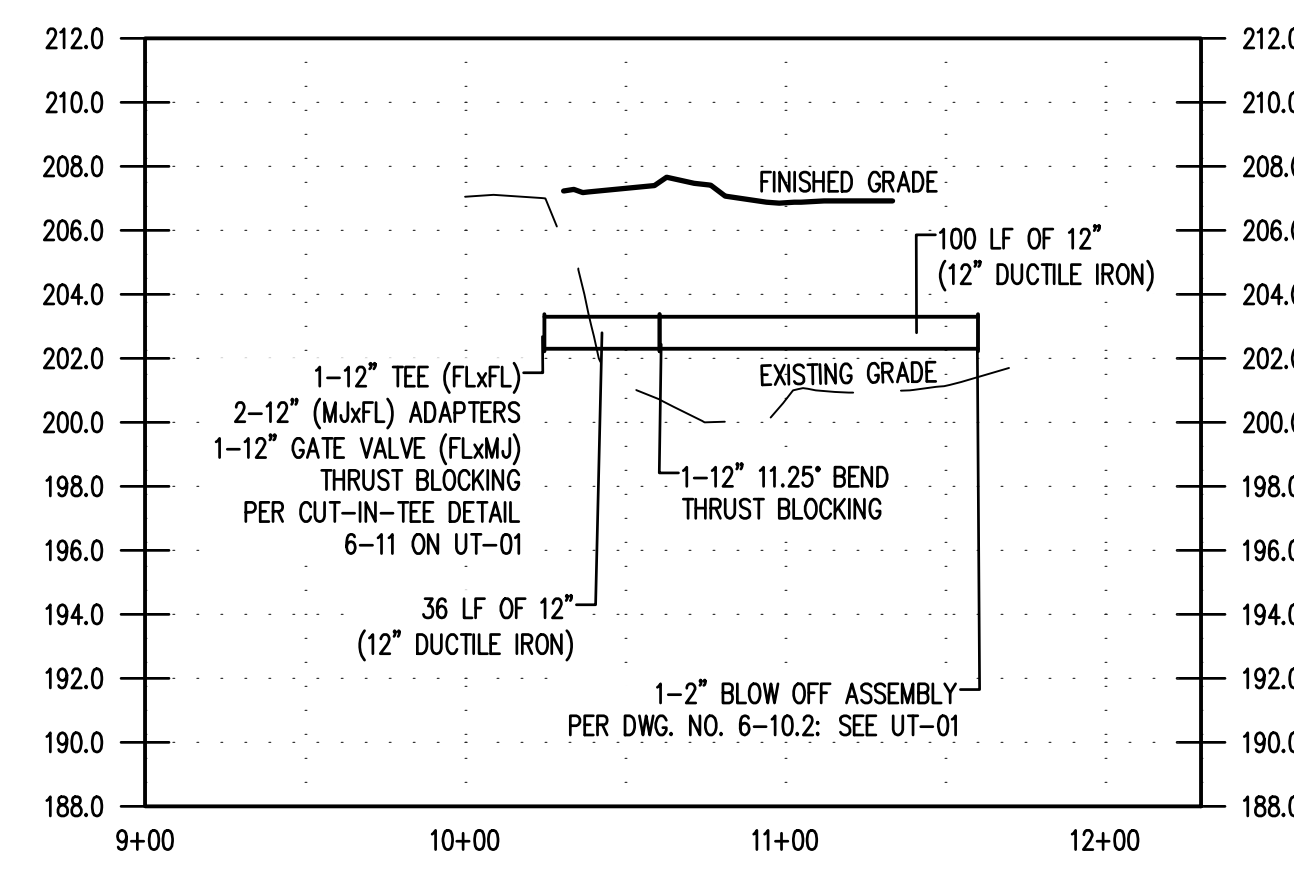
DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO:	23-002886
DRAWING FILE NO:	23-002886 DR-01
DRAWING NO:	DR-01
SHEET NO:	7 OF 10

Feb 21, 2024 10:42:01am - User: rathbone@house
N:\PROJECTS\1726 GATEWAY CHRISTIAN CENTER\23-002886 GATEWAY CHRISTIAN CTR PLAT INFRASTRUCTURE\CAD\23-002886 DR-01.DWG

SEC. 18, T 18 N., R 1 W., W.M.



WATER PROFILE 2
H 0 60 120
V 0 3 6
SCALE IN FEET



WATER PROFILE 1
H 0 60 120
V 0 3 6
SCALE IN FEET

LEGEND

— W —	WATER LINE
— W —	8" DR14 C900 PVC 12" CL52 DUCTILE IRON
- - - W - - -	EXISTING WATER LINE
⊕	GATE VALVE
- - - - -	EXISTING EASEMENT

- GENERAL WATER NOTES:**
1. AN IRRIGATION METER WITH A DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTION DEVICE SHALL BE PROVIDED FOR ALL LANDSCAPED AREAS. (DG&PWS 6.120 F)
 2. IN ADDITION TO ALL FEDERAL AND STATE REQUIREMENTS, WATER SYSTEM IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF THE CITY OF LACEY CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS MANUAL, THE COORDINATED WATER SYSTEM PLAN (CWSP), DEPARTMENT OF HEALTH (DOH), CITY OF LACEY WATER SYSTEM PLAN, AWWA, DEPARTMENT OF ECOLOGY, THURSTON COUNTY ENVIRONMENTAL HEALTH AND CITY OF LACEY FIRE CODE OFFICIAL'S STANDARDS. (DG&PWS, WATER 6.010)
 3. IF UTILITY EXTENSIONS ARE NEEDED FOR THE PROPOSED PROJECT FOR ROADS THAT WERE PAVED IN THE LAST FIVE YEARS AND THE ROADS MUST BE "OUT", A DISRUPTION FEE WILL BE CHARGED IN ACCORDANCE WITH LACEY MUNICIPAL CODE (LMC) 12.16.055.

- CITY OF LACEY GENERAL NOTES (WATER MAIN INSTALLATION):**
1. WATER MAINS UP TO 10" SHALL BE AWWA C900 DR14 OR DUCTILE IRON STANDARD THICKNESS CLASS 52. WATER MAINS LARGER THAN 10" SHALL BE DUCTILE IRON STANDARD THICKNESS CLASS 52. SEE CHAPTER 6.030B FOR MORE DETAILED PIPE SPECIFICATIONS.
 2. ALL WATER MAINS SHALL BE DELIVERED FROM THE MANUFACTURER WITH PIPE DUST CAPS INSTALLED. THE CAPS SHALL REMAIN ON THE PIPE UNTIL THE TIME OF INSTALLATION.
 3. GATE VALVES SHALL BE RESILIENT WEDGE, NRS (NON RISING STEM) WITH O-RING SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT OR ANSI FLANGES. VALVES SHALL CONFORM TO AWWA C-515 LATEST REVISION. VALVES SHALL BE MUELLER, M & H, KENNEDY, CLOW R/W, WATEROUS SERIES 2500, EJ FLOWMASTER OR AMERICAN AVK.
 4. EXISTING VALVES SHALL BE OPERATED BY CITY EMPLOYEES ONLY.
 5. HYDRANTS SHALL BE CITY APPROVED AS SPECIFIED ON THE HYDRANT DETAILS AND SHALL BE BAGGED UNTIL THE SYSTEM IS APPROVED.
 6. THE CONTRACTOR WITH THE ASSISTANCE OF THE CITY INSPECTOR SHALL INSTALL, CHLORINATE AND FILL THE WATER MAIN, INCLUDING APPURTENANCES. TESTING SHALL INCLUDE THE MAIN, VALVES, SERVICE LINES AND APPURTENANCES. AFTER TESTING IS COMPLETED, THE NEWLY CONSTRUCTED SYSTEM SHALL BE FLUSHED. AFTER FLUSHING CHLORINATED WATER FROM DISINFECTED LINES, THE CITY SHALL MEASURE CHLORINE RESIDUAL TO VERIFY THAT FLUSHING IS COMPLETE. THIS WILL BE COMPLETED PRIOR TO THE CITY TAKING MICROBIOLOGICAL SAMPLES.
 7. ALL PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 12" TO 18" UNDER THE FINAL GROUND SURFACE. THE MARKER SHALL BE PLASTIC NON-BIODEGRADABLE, METAL CORE BACKING MARKED WATER WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR. TAPE SHALL BE 3 INCH WIDE TERRA TAPE "T" OR APPROVED EQUAL IN ADDITION TO TRACER TAPE. INSTALL DIRECT BURY, U.S.E. 12 GAUGE BLUE COATED COPPER WIRE, WRAPPED AROUND OR TAPED TO THE PIPE AS SHOWN ON DETAIL. LOW VOLTAGE GREASE-TYPE SPLICE KITS SHALL BE USED ON TRACER WIRE. AFTER THE WIRE NUT IS USED TO CONNECT THE WIRE TOGETHER AN OVERHAND KNOT SHALL BE TIED JUST OUTSIDE THE GREASE KIT TO PREVENT IT FROM COMING APART. CONTINUITY TESTING OF THE WIRE WILL BE DONE BY THE CITY.
 8. ALL SERVICE LINE LOCATIONS SHALL BE MARKED ON THE TOP OR FACE OF THE CURB WITH AN EMBOSSED "W" 3 INCHES HIGH AND 1/4 INCH INTO CONCRETE.
 9. THE CITY WILL BE GIVEN 72 HOURS NOTICE PRIOR TO SCHEDULING A SHUTDOWN. WHERE CONNECTIONS REQUIRE "FIELD VERIFICATION", CONNECTION POINTS SHALL BE EXPOSED BY THE CONTRACTOR AND FITTINGS VERIFIED 72 HOURS PRIOR TO DISTRIBUTING SHUT-DOWN NOTICES.
 10. SEPARATION BETWEEN WATER AND SEWER SHALL BE MAINTAINED PER DOE STANDARDS. SEE DEVELOPMENT GUIDELINE CHAPTER 6.130 FOR MORE INFORMATION.
 11. A CONCRETE PAD PER DETAIL SHALL BE INSTALLED AROUND ALL VALVE BOXES AND BLOW-OFFS THAT ARE NOT IN A PAVEMENT AREA.
 12. AT ANY CONNECTION TO AN EXISTING LINE WHERE A NEW VALVE IS NOT INSTALLED, THE EXISTING VALVE MUST BE PRESSURE TESTED TO CITY STANDARDS PRIOR TO CONNECTION. IF AN EXISTING VALVE FAILS TO PASS THE TEST, THE CONTRACTOR SHALL MAKE THE NECESSARY PROVISIONS TO TEST THE NEW LINE PRIOR TO CONNECTION TO THE EXISTING SYSTEM OR INSTALL A NEW VALVE.
 13. THE MINIMUM BURIAL DEPTH OF ALL WATER LINES SHALL BE 42 INCHES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION BETWEEN SANITARY SEWERS/RECLAIMED WATER AND WATER MAINS. TO ACCOMMODATE CROSSINGS, THE MINIMUM COVER FOR WATER MAIN OF 42 INCHES MAY BE REDUCED TO 30 INCHES UPON APPROVAL BY THE CITY TO PROVIDE FOR AS MUCH VERTICAL SEPARATION AS POSSIBLE. WHEN A REDUCED DEPTH IS ALLOWED, DUCTILE IRON PIPING AND/OR CASINGS MAY BE REQUIRED. SEE 6.080 FOR CASING SPECIFICATIONS.
 14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF THE EXISTING MAIN AND PROVIDE THE FITTINGS REQUIRED TO MAKE THE CONNECTION TO THE EXISTING MAIN.
 15. THE CONTRACTOR SHALL INSTALL A TEMPORARY 2 INCH BRASS BLOW OFF FOR FLUSHING AND SAMPLING ON THE EXISTING AND/OR NEW WATER MAIN. THE BLOW OFF SHALL BE CONSTRUCTED WITH A STANDARD 2 INCH TAPPING SADDLE AND FORD BRASS CORPORATION STOP WITH 2 INCH BRASS PIPE EXTENDED UP TO FINISHED GRADE. WHEN FLUSHING AND SAMPLING ARE COMPLETED, THE 2 INCH PIPE SHALL BE REMOVED. THE CORPORATION STOP SHALL BE SHUT OFF AND CAPPED TIGHT WITH A THREADED BRASS CAP.

NOTE:
CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONTRACTOR PERFORMING WORK. COORDINATE WITH ENGINEER IF DISCREPANCIES ARE IDENTIFIED. COORDINATE TO AS-BUILT SURVEY IMPROVEMENTS AS PART OF BASE CONTRACT.

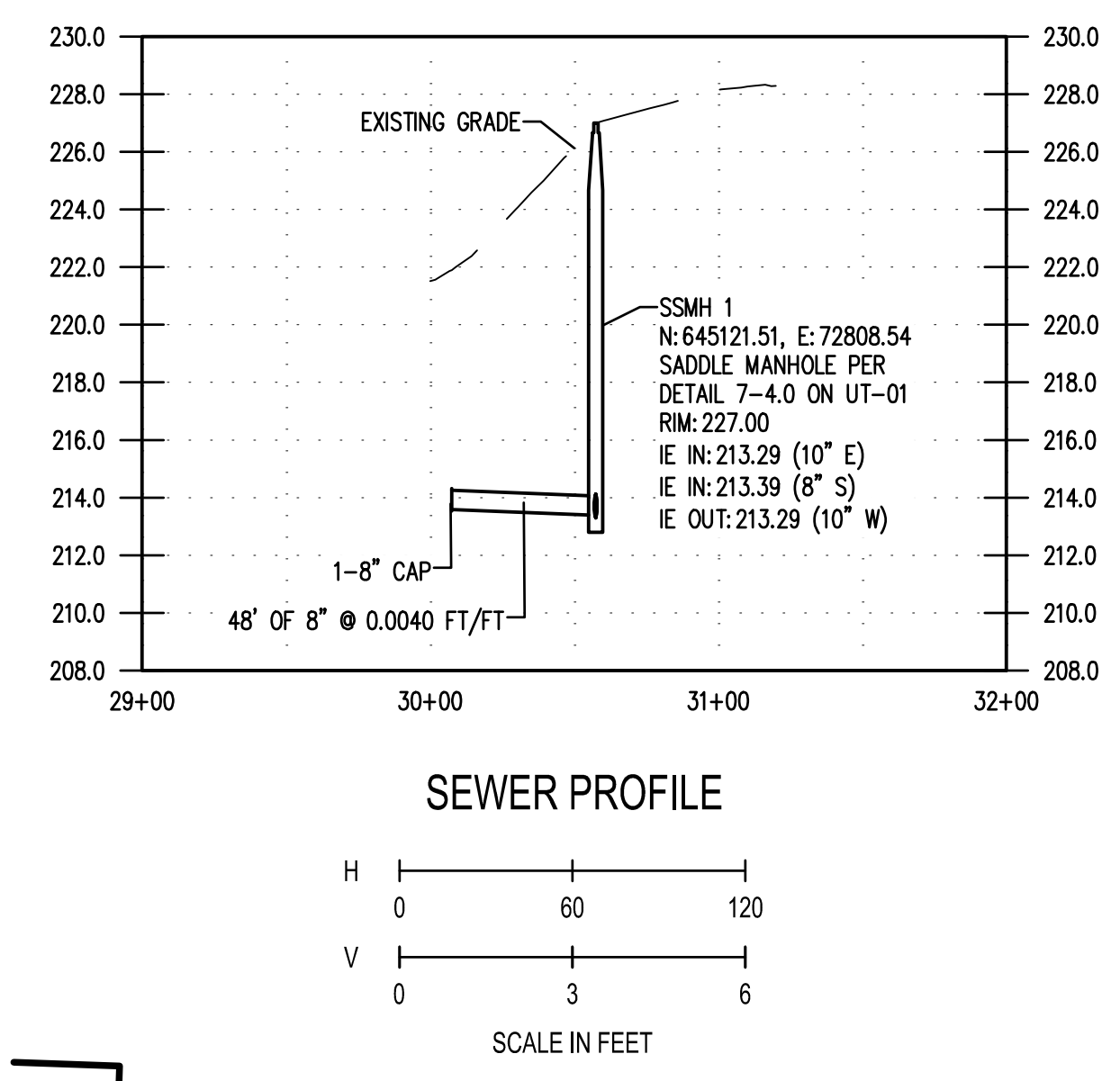
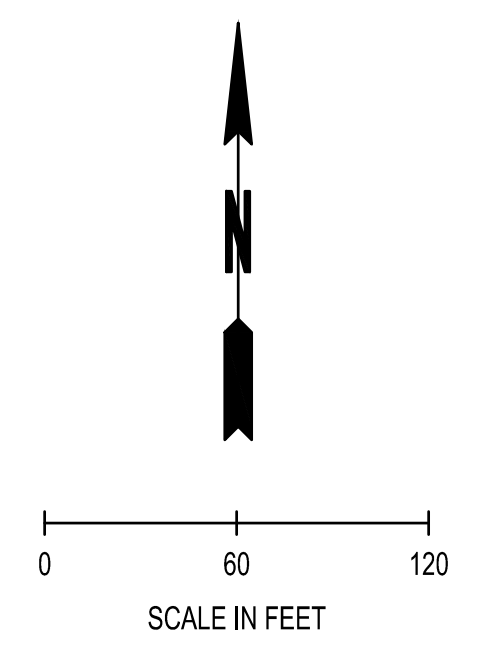
NOT FOR CONSTRUCTION

PRELIMINARY PLANS

Feb 21, 2024 10:42:46am - User: author:dlh/sgw
N:\PROJECTS\0726 GATEWAY CHRISTIAN CENTER\23-000886 GATEWAY CENTER\CTR PLAT INFRASTRUCTURE\CAD\23-000886 WT-01.DWG

BY	
DATE	
REVISIONS	
 SCJ ALLIANCE CONSULTING SERVICES 8730 TALLOW LANE NE, SUITE 200, LACEY, WA 98516 P: 360.352.1465 SCJALLIANCE.COM	
WATER PLAN & PROFILE GATEWAY CHRISTIAN CENTER 3300 MARVIN RD NE LACEY, WA 98516	
SHEET TITLE	PROJECT NAME
 WILLIAM E. DUNNING REGISTERED PROFESSIONAL ENGINEER 02/27/2024	
DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO.:	23-000886
DRAWING FILE NO.:	23-000886 WT-01
DRAWING NO.:	WT-01
SHEET NO.:	8 OF 10

SEC. 18, T 18 N., R 1 W., W.M.



- LEGEND**
- SANITARY SEWER LINE
 - EXISTING SANITARY SEWER LINE
 - SADDLE MANHOLE
 - EXISTING EASEMENT

- GENERAL SANITARY SEWER NOTES:**
- THE CONTRACTOR SHALL VERIFY DIA. LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINT OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THIS WORK.
 - STATIONS AND OFFSETS FOR MANHOLES ARE CALLED OUT TO CENTER OF STRUCTURE.
 - MAINTAIN 10' MINIMUM HORIZONTAL AND 1.5' MINIMUM VERTICAL SEPARATION FROM WATER MAINS.
 - PIPE LENGTHS CALLED OUT FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
 - TYPICAL MANHOLES: CONFORM TO CITY OF LACEY DWG 7-1 AND "MANHOLE COLLAR", SEE DWG 7-3
 - SEWER END SHALL BE MARKED WITH AN 8-FT 2X4 PAINTED GREEN WITH A WHITE "S" FOR SEWER PAINTED ON THE TIMBER.
 - ALL TIE-INS TO LIVE MAINS SHALL BE COMPLETED BY CITY CREWS.
 - IN ADDITION TO ALL FEDERAL AND STATE REQUIREMENTS, SANITARY SEWER IMPROVEMENTS ASSOCIATED WITH THIS PROJECT SHALL COMPLY WITH THE CURRENT CITY OF LACEY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS MANUAL, CITY OF LACEY COMPREHENSIVE SANITARY SEWER PLAN, THURSTON COUNTY HEALTH DEPARTMENT, WASHINGTON STATE DEPARTMENT OF HEALTH (DOH), THE LOTT CLEAN WATER ALLIANCE AND DEPARTMENT OF ECOLOGY. (D&B/PWS, SEWER 7A.010 AND SUBDIVISIONS AND SHORT PLAN 2-21)

CITY OF LACEY GENERAL NOTES (SANITARY SEWER MAIN INSTALLATION):

- GRAVITY SEWER MAIN SHALL BE PVC, ASTM D 3034 SDR 35 OR ASTM F 679 WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477.
- PRE-CAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C 478. MANHOLES SHALL BE TYPE 1-48 INCH MANHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL MANHOLE BASES SHALL BE POSITIVE SEAL TYPE AS MANUFACTURED BY PREL SYSTEMS NORTH AMERICA INC. OR APPROVED EQUAL. JOINTS SHALL BE RUBBER GASKET CONFORMING TO ASTM C 443 AND SHALL BE GROUDED FROM THE INSIDE. LIFT HOLES SHALL BE GROUDED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE. (SEE NOTE 1.) CONNECTION OF A PIPE LINE TO A SYSTEM WHERE A MANHOLE IS NOT AVAILABLE SHALL BE ACCOMPLISHED BY THE USE OF A SADDLE TYPE OR CAST-IN-PLACE MANHOLE. THIS IS ACCOMPLISHED BY POURING A CONCRETE BASE AND SETTING MANHOLE SECTIONS ON IT. THE EXISTING PIPE SHALL NOT BE CUT INTO UNTIL THE MANHOLE IS VACUUM TESTED AND APPROVED BY THE CITY. (SEE DETAIL)
- MANHOLE FRAMES AND LOGO LIDS SHALL BE EJ OR OLYMPIC FOUNDRY WSDOT STYLE DUCTILE IRON CASTING MARKED "CITY OF LACEY, SEWER, MADE IN USA, CONFINED SPACE, PERMIT REQUIRED" AND CONFORMING TO THE REQUIREMENTS OF ASTM A-30, CLASS 25. THE FRAMES AND LIDS SHALL BE FREE OF POROSITY, SHRINK CAVITIES, COIL SHUNTS, CRACKS, OR ANY SURFACE DEFECTS WHICH WOULD IMPAIR SERVICEABILITY. THE FRAMES AND LIDS SHALL BE MACHINE FINISHED OR GROUND ON SEATING SURFACES SO AS TO ASSURE A NON-ROCKING, SELF SEATING FIT IN ANY POSITION AND BE INTERCHANGEABLE IN OTHER STANDARD MANHOLE FRAMES.
- LOCK-TYPE COVERS SHALL BE REQUIRED IN ALL MULTI-FAMILY COMPLEXES, ON SCHOOL GROUNDS, ON MANHOLES CONTAINING ODOR CONTROL DEVICES OR AS DETERMINED BY THE CITY. THE MANHOLE OPENING SHALL BE CENTERED OVER THE OUTLET CHANNEL REGARDLESS OF THE LOCATION OF THE LADDER RUNGS. ALL CASTING SHALL BE COATED WITH A BITUMINOUS COATING PRIOR TO DELIVERY TO THE JOB SITE.
- SIDE SEWER SERVICES SHALL BE PVC, ASTM D 3034 SDR 35 WITH FLEXIBLE GASKET JOINTS (SEE DETAIL). SIDE SEWER CONNECTIONS SHALL MAINTAIN AN EXISTING MAIN OR A WYE BRANCH FROM A NEW MAIN CONNECTED ABOVE THE SPRING LINE OF THE PIPE. WHEN A TAP IS USED TO CONNECT A NEW SERVICE LATERAL TO AN EXISTING SEWER MAIN, TELEVISION FROM THE CLOSEST MANHOLE TO 15 FEET PAST THE TAP IS REQUIRED. FOREIGN OBJECTS AND DEBRIS SHALL BE REMOVED BY HIGH PRESSURE CLEANING AND/OR VACUUM REMOVAL. ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT IN ACCORDANCE WITH SECTION 7A.030 OF THE DEVELOPMENT GUIDELINES.
- ALL PLASTIC PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS GREEN TRACER TAPE 12 INCHES TO 18 INCHES UNDER THE PROPOSED FINISHED SUB. THE MARKER SHALL BE PLASTIC NON-BIODEGRADABLE, METAL CORE OR BACKING, MARKED "SEWER" WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR. TAPE SHALL BE TERRA TAPE "D" OR APPROVED EQUAL. THE TAPE SHALL BE FURNISHED BY THE CONTRACTOR.
- ALL SIDE SEWER LOCATIONS SHALL BE MARKED ON THE FACE OF THE CURB WITH AN EMBOSSED "S" 3 INCH HIGH AND 1/4 INCH INTO CONCRETE.
- BEDDING OF THE SEWER MAIN SHALL BE A MINIMUM 6 INCHES OF 3/8 INCH MINUS PEA GRAVEL UNDER THE PIPE AND A MINIMUM OF 12 INCHES OF 3/8 INCH MINUS PEA GRAVEL OVER THE PIPE. WHEN WORKING IN SENSITIVE SOILS A BARRIER ABOVE THE PEA GRAVEL MAY BE REQUIRED TO PREVENT THE FINE SOILS FROM MIGRATING INTO THE PEA GRAVEL. ALL PEA GRAVEL SHALL BE WASHED. COMPACTION OF THE BACKFILL MATERIAL SHALL BE REQUIRED IN ACCORDANCE WITH THE ABOVE MENTIONED SPECIFICATION (SEE NOTE #1). THE APPLICABLE CHAPTER 4-B TRENCH RESTORATION DETAILS AND DETAIL 7-20 SHALL BE USED.
- INSTALL A 4 X 4 SQUARE X 8 INCH THICK CONCRETE PAD WITH #4 REBAR AROUND ALL MANHOLE FRAMES AND CLEANOUTS THAT ARE NOT IN A PAVEMENT AREA.
- ALL LINES SHALL BE HIGH VELOCITY CLEANED AND PRESSURE TESTED PRIOR TO PAVING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATIONS. SEE NOTE HYDRANT FLUSHING OF LINES IS NOT AN ACCEPTABLE CLEANING METHOD. TESTING OF THE SANITARY SEWER MAIN SHALL INCLUDE VIDEOTAPING OF THE MAIN BY THE CONTRACTOR. IMMEDIATELY PRIOR TO VIDEOTAPING, ENOUGH WATER SHALL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE. A COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO THE CITY OF LACEY INSPECTOR. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TAPE HAS BEEN REVIEWED AND APPROVED BY THE INSPECTOR. A VACUUM TEST OF ALL MANHOLES IN ACCORDANCE WITH LACEY STANDARD IS ALSO REQUIRED. TESTING SHALL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUB GRADE IS COMPLETED. AFTER THE PAVING AND RAISING OF MANHOLES ARE COMPLETE, THE DEVELOPER SHALL CLEAN AND VIDEOTAPE THE SEWER CONVEYANCE SYSTEM AGAIN AT THE DEVELOPERS EXPENSE. THE METHOD OF CLEANING SHALL BE HIGH VELOCITY WATER PRESSURE CLEANING. ALL ROCKS AND DEBRIS SHALL BE REMOVED AND DISPOSED AT THE DEVELOPER'S EXPENSE.
- CONTRACTORS SHALL BE RESPONSIBLE FOR CLEANUP OF ANY DEBRIS IN NEW OR EXISTING MANHOLES AND MAINS ASSOCIATED WITH THE PROJECT AFTER THE NEW LINES ARE CLEANED AS OUTLINED ABOVE. THE SEWER SYSTEM SHALL BE TELEVISIONED TO ASSURE THE SYSTEM IS CLEAN.
- ENCASEMENT MATERIAL SHALL INCLUDE 1/4 INCH STEEL DUCTILE IRON AND IN SPECIAL OR UNUSUAL CASES, C-900 OR 14 PVC PIPE MAY BE ALLOWED IF APPROVED BY THE DIRECTOR OF PUBLIC WORKS IN ADVANCE. CONCRETE, CDF AND OTHER METHODS OF ENCASEMENT SHALL NOT BE ALLOWED.

NOTE:
 CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONTRACTOR PERFORMING WORK. COORDINATE WITH ENGINEER IF DISCREPANCIES ARE IDENTIFIED.
 COORDINATE TO AS-BUILT SURVEY IMPROVEMENTS AS PART OF BASE CONTRACT.

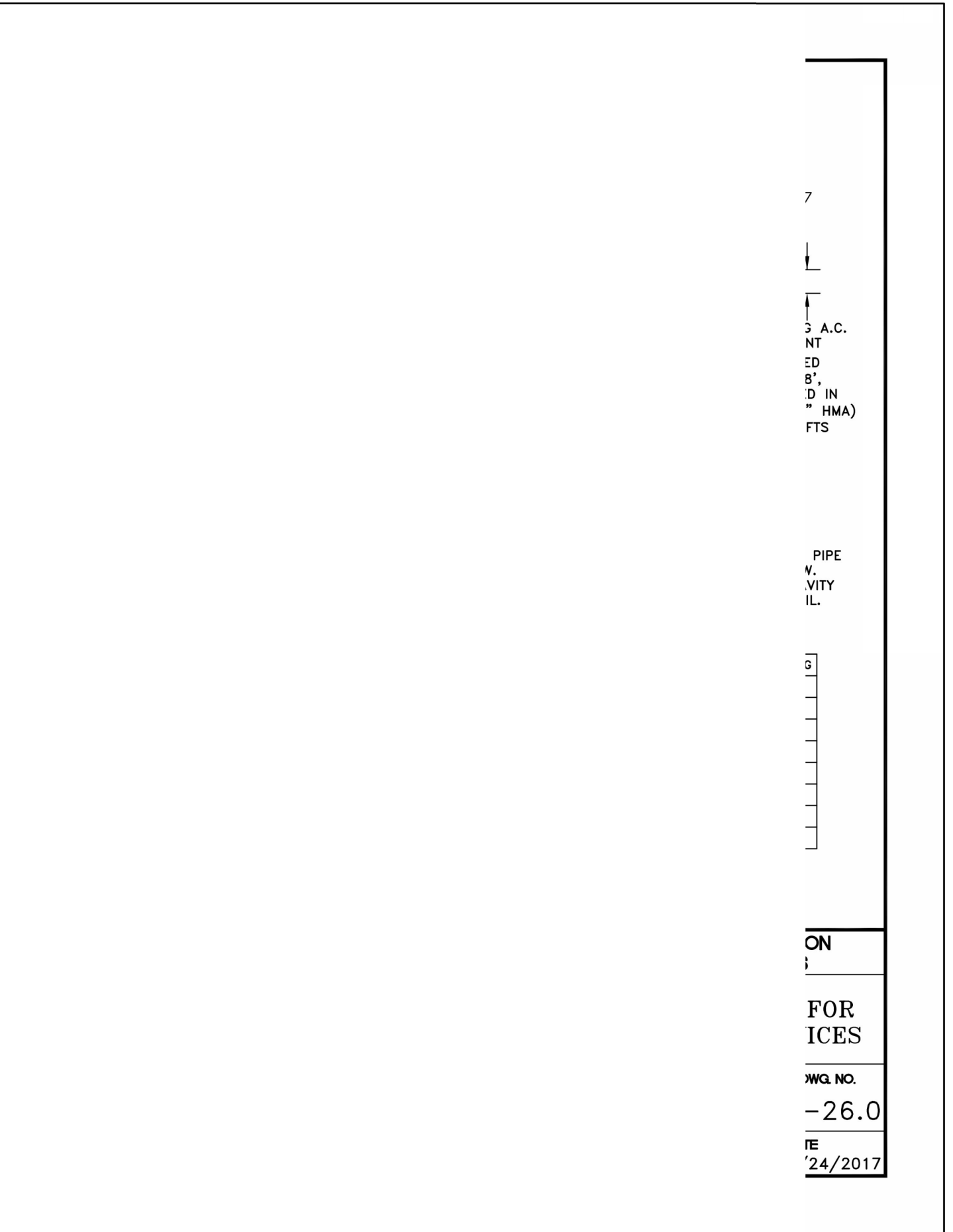
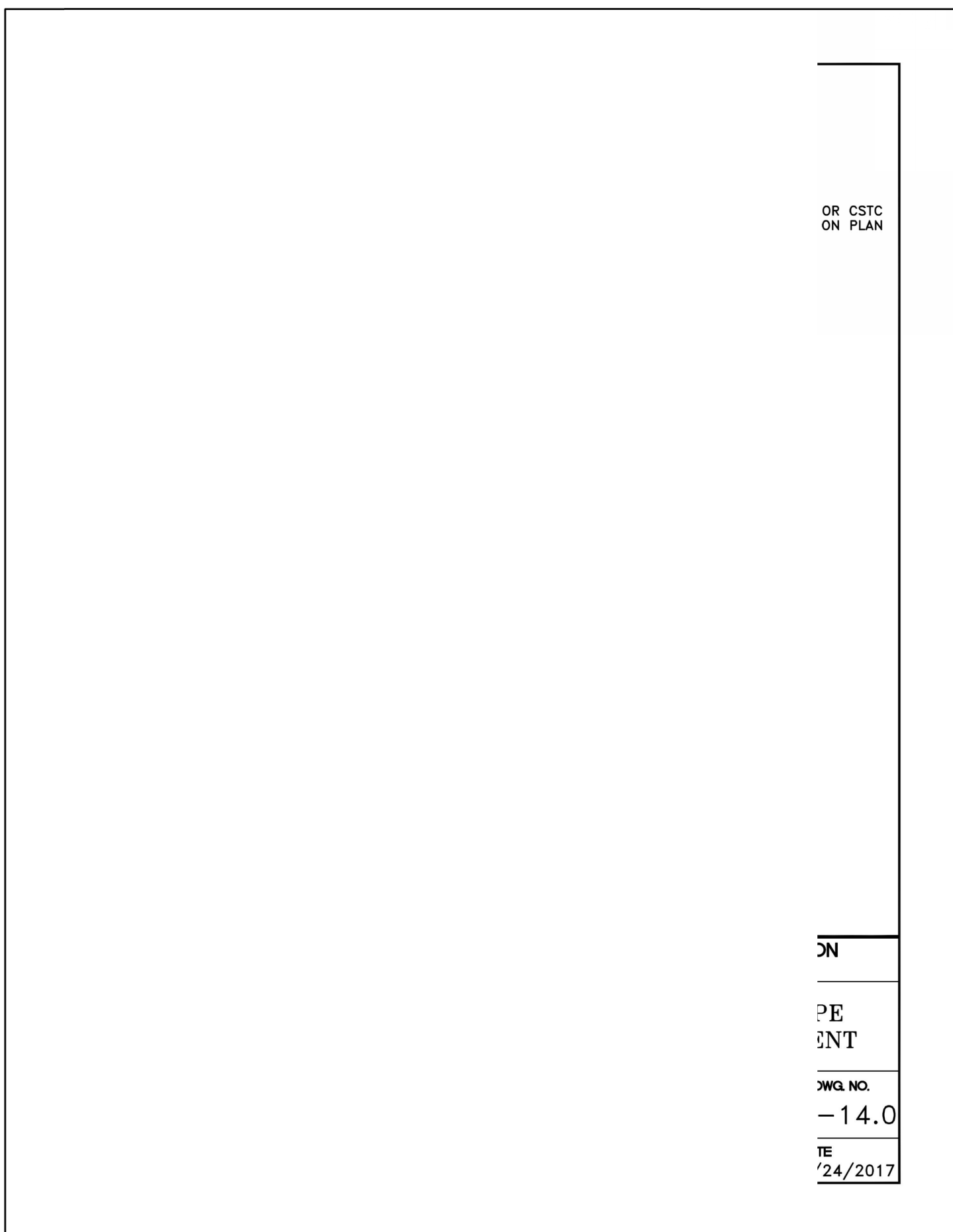
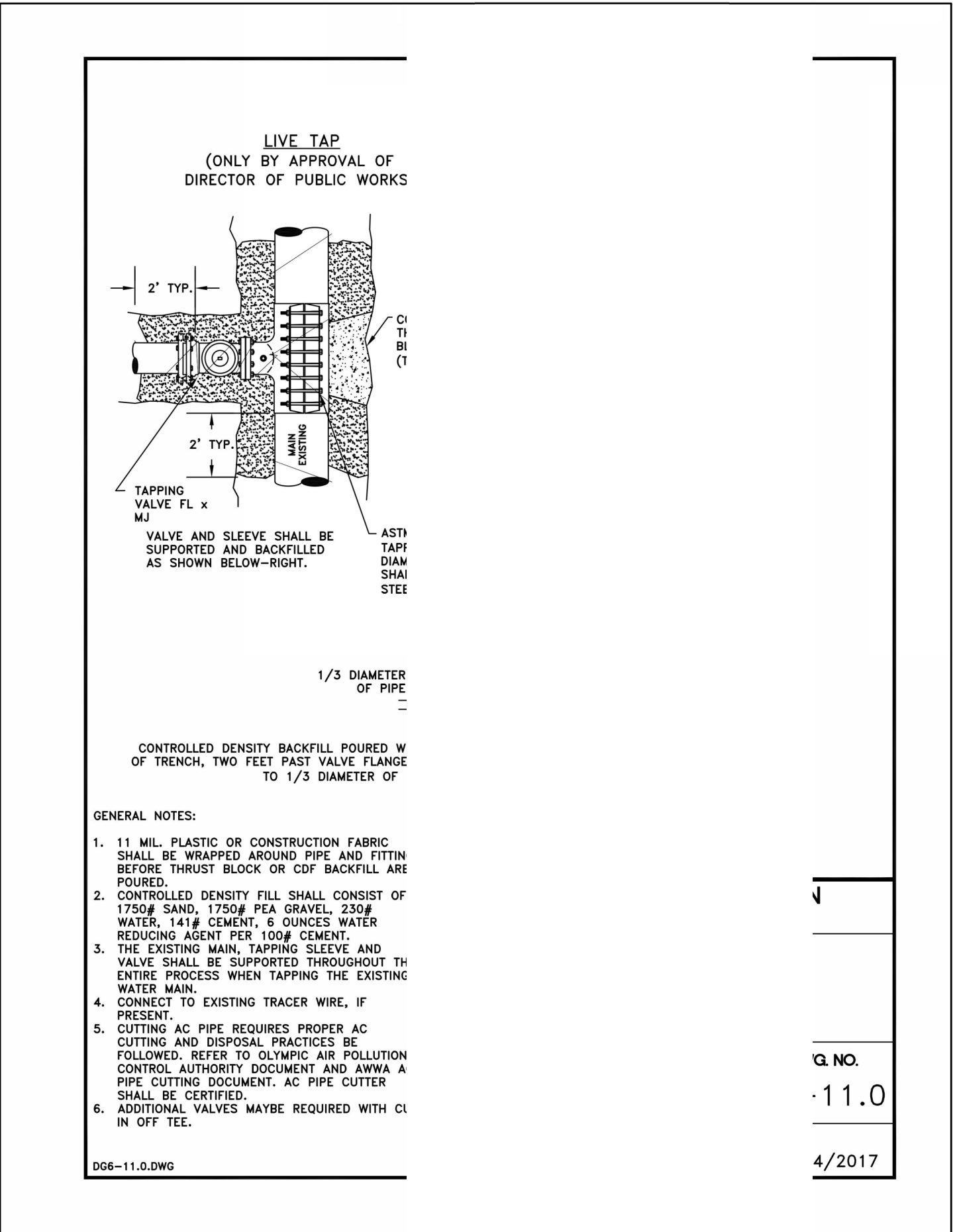
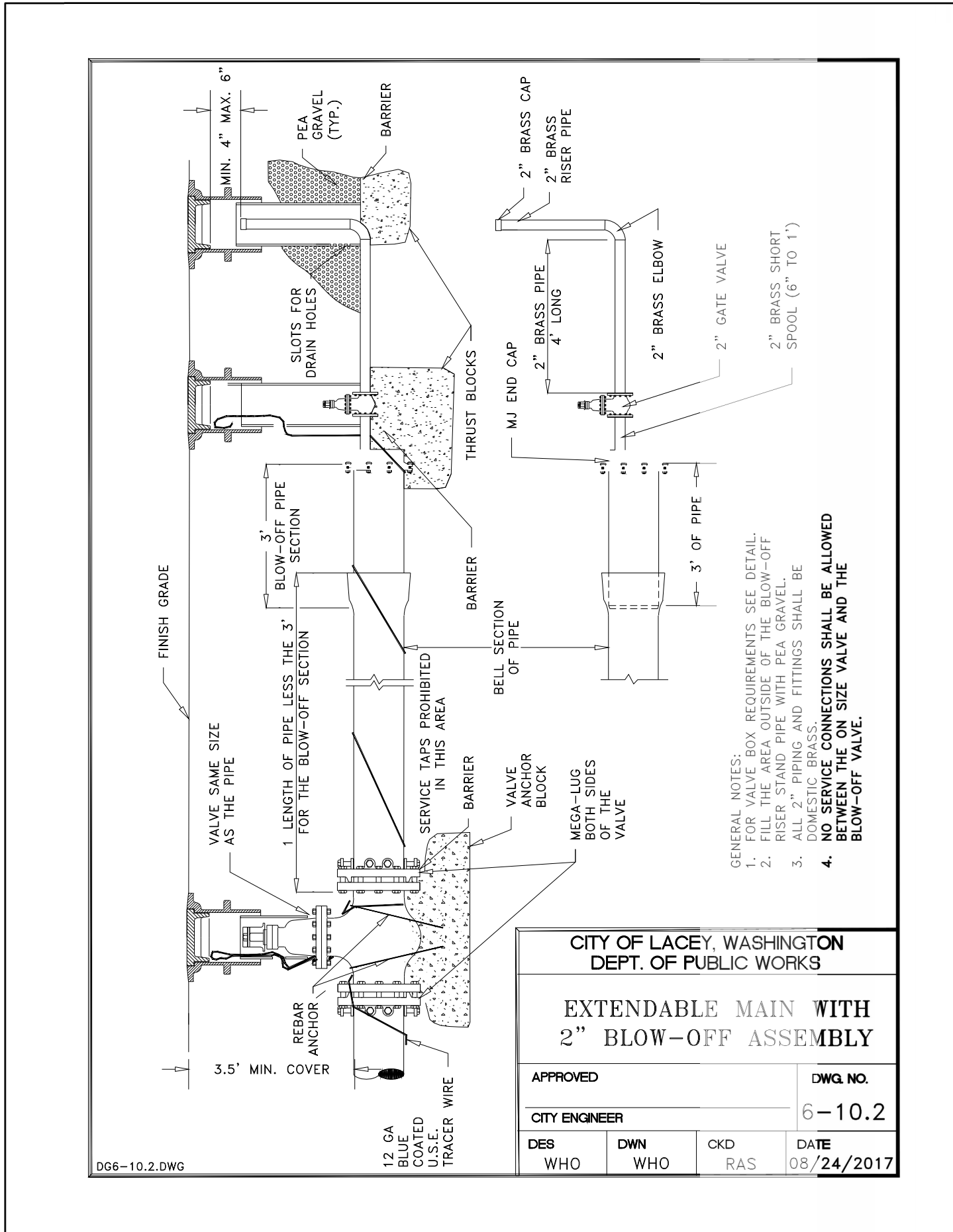
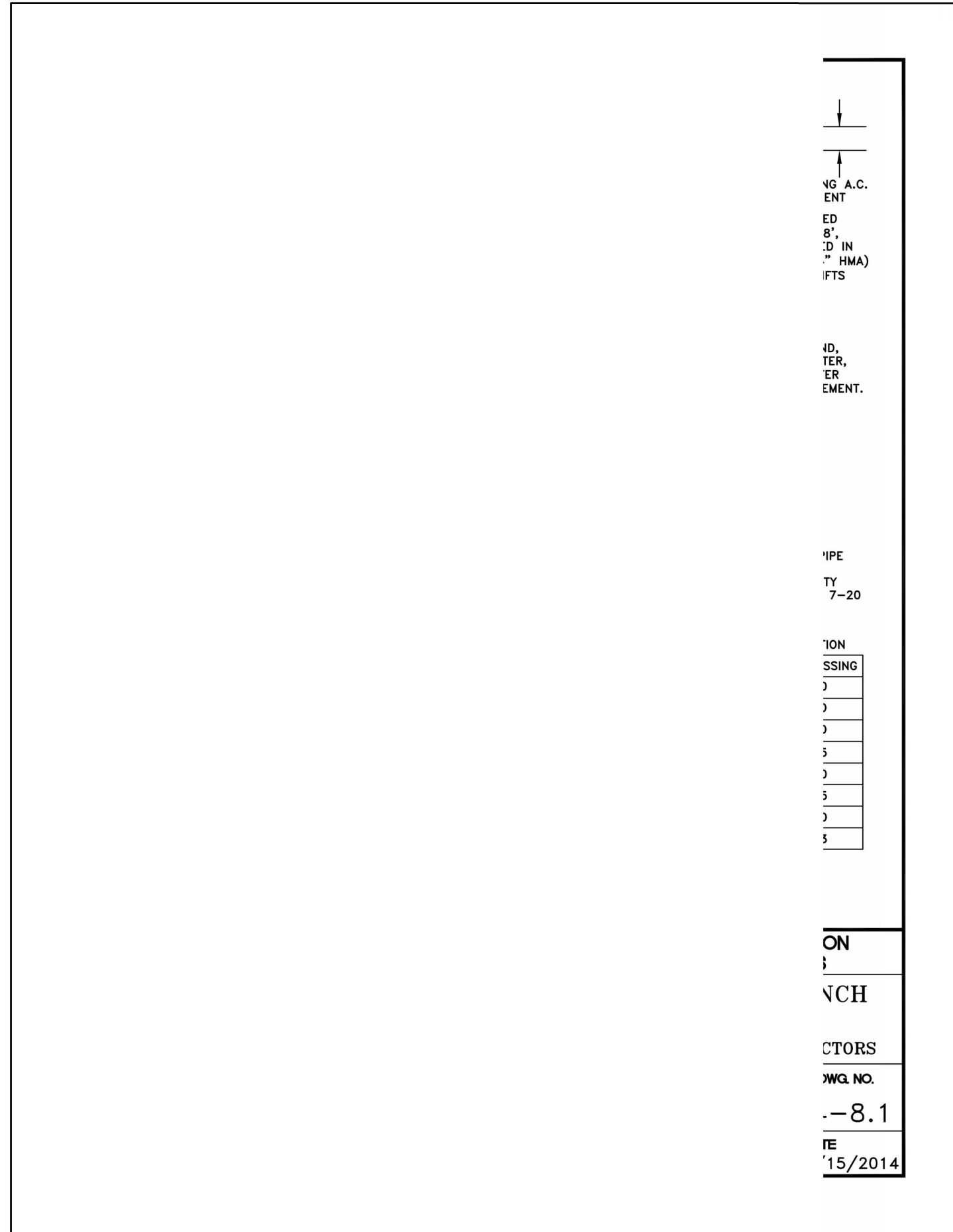
NOT FOR CONSTRUCTION

PRELIMINARY PLANS

BY:	
DATE:	
REVISIONS:	
8730 TALLON LANE, SUITE 200, LACEY, WA 98516 P: 360.352.1465 SQUALANCE.COM	
SANITARY SEWER PLAN AND PROFILE GATEWAY CHRISTIAN CENTER 3300 MARVIN RD NE LACEY, WA 98516	
SHEET TITLE:	
PROJECT NAME:	
SEAL:	
DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO.:	23-000886
DRAWING FILE NO.:	23-000886 SS-01
DRAWING NO.:	SS-01
SHEET NO.:	9 OF 10

Feb 21, 2024, 11:29:35am - User: nathan.althauer
 N:\PROJECTS\6728 GATEWAY CHRISTIAN CENTER\23-000886 SS-01.DWG

Feb 21, 2024, 10:46:13am - User: nathan.dunnigan
 N:\PROJECTS\6728 GATEWAY CHRISTIAN CENTER\3-000886 UT-01.DWG



REVISIONS	DATE	BY

SCJ ALLIANCE
 CONSULTING SERVICES

8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
 P: 360.352.1465
 SCJALLIANCE.COM

UTILITY DETAILS

GATEWAY CHRISTIAN CENTER
 3300 MARVIN RD NE
 LACEY, WA 98516



DESIGNER:	D. PHILLIPS
DRAWN BY:	N. ALTHAUSER
APPROVED BY:	B. DUNNING
DATE:	FEBRUARY, 2024
JOB NO.:	23-000886
DRAWING FILE NO.:	23-000886 UT-01
DRAWING NO.:	UT-01
SHEET NO.:	10 OF 10

NOT FOR CONSTRUCTION PRELIMINARY PLANS