GENERAL NOTES

1. UNLESS OTHERWISE SPECIFIED, MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENTLY ADOPTED EDITION OF "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION", APWA/WSDOT EXCEPT AS MODIFIED BY THE CITY OF BAINBRIDGE ISLAND IN THE CURRENT EDITION OF "DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS"

2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND OTHER FEATURES ON THE PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. ACTUAL LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AS REQUIRED. CONTRACTOR SHALL OBTAIN AN UNDERGROUND UTILITIES LOCATE PRIOR TO BEGINNING CONSTRUCTION (UNDERGROUND UTILITIES LOCATION SERVICE, 811).

3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY. ALL TRENCHING AND OTHER ACTIVITIES SHALL BE IN ACCORDANCE WITH STATE AND LOCAL SAFETY REGULATIONS AND REQUIREMENTS.

4. A COPY OF THE APPROVED PLANS AND OTHER APPLICABLE SPECIFICATIONS AND DRAWINGS SHALL BE ONSITE DURING CONSTRUCTION.

5. CONTRACTOR SHALL INSTALL, REPLACE OR RELOCATE ALL SIGNS AND OTHER FEATURES AFFECTED BY CONSTRUCTION.

6. CONTRACTOR SHALL APPLY FOR AND OBTAIN AN APPROVED PERMIT FROM BAINBRIDGE ISLAND DEPARTMENT OF PUBLIC WORKS FOR WORK IN THE RIGHT OF WAY PRIOR TO ANY WORK IN THE RIGHT OF WAY.

7. CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH CITY STAFF PRIOR TO ANY WORK ON CITY RIGHTS-OF-WAY.

8. ANY REVISIONS TO THE PLANS SHALL BE REVIEWED AND APPROVED BY THE BAINBRIDGE ISLAND ENGINEERING DEPARTMENT PRIOR TO IMPLEMENTATION IN THE FIELD.

9. SIGNING, FLAGGING AND TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE WSDOT TRAFFIC MANUAL AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE PLAN SHALL BE PROVIDED TO THE CITY FOR APPROVAL IF APPLICABLE.

10. ALL PIPE AND OTHER MATERIAL STORED ALONG CITY RIGHT-OF-WAY MUST BE PLACED AT A SAFE DISTANCE FROM THE TRAVELED ROADWAY IN SUCH A MANNER AS TO AVOID FALLING ONTO THE ROADWAY.

11. MAXIMUM LENGTH OF OPEN TRENCH ON STREETS SHALL BE 400 FEET. AT THE END OF EACH DAY, ALL TRENCHES MUST BE BACKFILLED OR COVERED WITH STEEL PLATES OR BARRICADED WITH FLASHING WARNING LIGHTS.

12. ALL PIPE TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH THE WSDOT/APWA SPECIFICATIONS FOR PIPE BEDDING AND BANK RUN GRAVEL IF PROPER COMPACTION CANNOT BE OBTAINED USING NATIVE SOIL, EXCEPT AS NOTED ON PLAN.

13. POWER, TELEVISION CABLE, AND COMMUNICATIONS LINES SHALL BE INSTALLED WITH A MINIMUM OF FIVE FEET HORIZONTAL SEPARATION FROM PUBLIC WATER, SEWER AND STORM DRAINAGE FACILITIES.

14. PEDESTRIAN CONNECTIVITY MUST BE PROVIDED DURING ALL PHASES OF THE DEVELOPMENT.

15. IF ANY HISTORICAL OR ARCHAEOLOGICAL ARTIFACTS ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL IMMEDIATELY STOP AND THE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT AND THE WASHINGTON STATE OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION SHALL BE IMMEDIATELY NOTIFIED. CONSTRUCTION SHALL ONLY CONTINUE THEREAFTER IN COMPLIANCE WITH THE APPLICABLE PROVISIONS OF LAW.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL APPLY ALL MEASURES NECESSARY TO PREVENT THE DISCHARGE OF SEDIMENT-LADEN WATER OFF THE PROJECT SITE. FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS.

2. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL FACILITIES REGULARLY, PARTICULARLY DURING AND FOLLOWING LARGE STORMS.

3. ALL STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM CONSTRUCTION.

4. SITE WORK SHALL BE SCHEDULED TO MINIMIZE THE EXPOSURE OF DISTURBED SOILS. ALL EXPOSED AND UNWORKED SOILS, INCLUDING SOIL STOCKPILES, SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMPS THAT PROTECT SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO VEGETATIVE ESTABLISHMENT, MULCHING (SEE 1/C1.1), PLASTIC COVERING, AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED FOR MORE THAN 7 DAYS.

5. CARE SHALL BE TAKEN TO PREVENT ANY DISCHARGE OF SEDIMENT-LADEN WATER INTO THE STORMWATER DISPERSION SYSTEMS. ANY INLETS WHICH RECEIVE RUNOFF SHOULD BE PROTECTED WITH SEDIMENT FILTERS.

6. PETROLEUM PRODUCTS AND OTHER POTENTIAL POLLUTANTS SHALL BE PROTECTED TO PREVENT THEIR INTRODUCTION INTO SITE RUNOFF OR THE STORM DRAINAGE SYSTEM.

7. DEWATERING WATER SHALL BE FILTERED TO REMOVE SEDIMENT AND DISCHARGED IN A MANNER TO AVOID DOWNSTREAM IMPACTS.

8. CLEARING LIMITS, IF SHOWN, SHALL BE CLEARLY FLAGGED PRIOR TO ANY CLEARING OR CONSTRUCTION ON THE SITE. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.

9. ALL TEMPORARY EROSION CONTROL FACILITIES, INCLUDING PERIMETER CONTROLS, SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETE AND APPROVAL HAS BEEN RECEIVED FROM THE CITY.

STORM DRAINAGE

1. STORM DRAINS SHALL BE CORRUGATED POLYETHYLENE STORM SEWER PIPE (CPSP) WSDOT 9-05.20, PVC SOLID WALL PVC STORM SEWER PIPE (PVC) WSDOT 9-05.12(,1) OR HDPE PIPE WSDOT 9-05.23 UNLESS OTHERWISE NOTED.

2. PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF STORM DRAINAGE WORK, PIPES AND STORM DRAIN STRUCTURES SHALL BE CLEANED AND FLUSHED. ANY OBSTRUCTIONS WITHIN THE STORM DRAIN SYSTEM SHALL BE REMOVED AND WASH WATER OF ANY SORT SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM OR SURFACE WATERS.

3. ALL MANHOLES AND CATCH BASINS IN PUBLIC RIGHTS-OF-WAY SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO FINAL PAVING.

SANITARY SEWER

1. SANITARY SEWER PIPE SHALL BE PVC (ASTM D3034, SDR 35).

2. TRENCHES SHALL BE BACKFILLED AND COMPACTED PRIOR TO TESTING OF THE SEWER MAIN.

3. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A WYE FROM A NEW MAIN. SIDE SEWERS SHALL BE 6" DIAMETER AT MINIMUM 2% SLOPE.

4. SIDE SEWER STUBS SHALL BE CAPPED AND THE LOCATION MARKED WITH A 2"X4" STAKE EXTENDING FROM THE CAP TO AT LEAST 6" ABOVE GRADE. THE STAKE SHALL BE PAINTED WHITE AND MARKED "SEWER".

5. MANHOLES SHALL MEET ASTM C478 WITH RUBBER GASKETED JOINTS MEETING ASTM C443. JOINTS AND LIFT HOLES SHALL BE GROUTED INSIDE AND OUTSIDE.

6. ALL CONNECTIONS OF PVC PIPE TO MANHOLES SHALL BE MADE USING A/C X PVC SEWER ADAPTER GASKET BY ROMAC OR GPK PRODUCTS.

7. SEWER LINES SHALL BE CLEANED AND PRESSURE TESTED PRIOR TO PAVING. TESTING SHALL INCLUDE VIDEO INSPECTION OF THE MAIN BY THE CONTRACTOR. IMMEDIATELY PRIOR TO VIDEO INSPECTION, 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. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TAPE HAS BEEN REVIEWED AND APPROVED BY THE INSPECTOR.

8. ALL MANHOLES IN PUBLIC RIGHTS-OF-WAY SHALL BE ADJUSTED TO FINAL GRADE PRIOR TO FINAL PAVING.

WATER MAIN

1. UNLESS OTHERWISE SPECIFIED, PIPE FOR WATER MAINS SHALL BE CLASS 52, CEMENT-LINED DUCTILE IRON PIPE. JOINTS SHALL BE RUBBER GASKET PUSH-ON TYPE. WATER SERVICE LINE SHALL BE 1" HIGH DENSITY POLYETHYLENE, COPPER TUBING SIZE, 200 PSI WORKING PRESSURE, DRISCOPIPE 5100 OR EQUAL.

2. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF THREE FEET OVER THE TOP OF THE PIPE. WATER LINES SHALL BE LAID TO THE GRADES AND ELEVATIONS SHOWN ON THE DRAWINGS AND SHALL NOT BE CHARGED WITHOUT CITY APPROVAL.

3. INSTALL PIPE AND WATER SERVICE LINES WITH 12 GAUGE COPPER TRACE WIRE SPLICED USING SPLIT-BOLT CONNECTIONS.

4. ALL FITTINGS SHALL BE BLOCKED IN ACCORDANCE WITH THE DETAILS.

5. WATER PIPE SHALL BE DISINFECTED AND TESTED IN CONFORMANCE WITH WSDOT/APWA STANDARDS. NEW WATER MAINS SHALL BE CONNECTED TO THE EXISTING SYSTEM ONLY AFTER THE NEW MAIN IS PRESSURE TESTED, FLUSHED, DISINFECTED AND SATISFACTORY BACTERIOLOGICAL SAMPLE RESULTS ARE OBTAINED. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL CHLORINATED WATER DURING THE DISINFECTION AND FLUSHING PROCESS.

6. ALL VALVE BOXES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS SHALL BE ADJUSTED TO FINAL GRADE BEFORE FINAL GRADING IS COMPLETE.

SOIL AMENDMENT NOTES

AREAS TO BE DISTURBED SHALL HAVE THE TOPSOIL STRIPPED AND STOCKPILED. ALL DISTURBED AREAS THAT ARE TO BE LANDSCAPED SHALL HAVE THE STOCKPILED SOIL REPLACED OR SHALL BE AMENDED WITH COMPOST.

AREAS WHERE THE TOPSOIL WILL BE REPLACED SHALL HAVE THE SUBSOILS SCARIFIED TO 4 INCHES AND A MINIMUM DEPTH OF 8 INCHES OF TOPSOIL SHALL BE PLACED ON TOP OF SUBSOILS. 1-INCH OF COMPOSTED MATERIAL SHALL BE TILLED INTO THE TOP 4 INCHES OF TOPSOIL.

AMENDING THE SUBSOIL SHALL CONSIST OF SCARIFYING THE TOP 8-INCHES OF SOIL AND TILLING IN THE AMOUNT OF COMPOST DESCRIBED BELOW.

LANDSCAPED AREAS (10% ORGANIC CONTENT): PLACE AND TILL 3-INCHES OF COMPOSTED MATERIAL INTO TOP 5-INCHES OF SOIL. RAKE BEDS SMOOTH, REMOVE ROCKS LARGER THAN 2-INCHES IN DIAMETER AND MULCH AREAS WITH 2-INCHES OF ORGANIC MULCH.

TURF AREAS (5% ORGANIC CONTENT) : PLACE AND TILL 1.75-INCHES OF COMPOSTED MATERIAL INTO 6.25-INCHES OF SOIL . WATER OR ROLL TO COMPACT SOIL TO 85% OF MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE WOODY DEBRIS AND ROCKS LARGER THAN 1-INCH IN DIAMETER.

DO NOT SCARIFY SOIL WITHIN THE DRIP-LINE OF EXISTING TREES TO BE RETAINED. WITHIN 3-FEET OF THE TREE DRIP-LINE, AMENDMENT SHOULD BE INCORPORATED NO DEEPER THAN 3 TO 4-INCHES TO REDUCE DAMAGE TO ROOTS.

MATURE COMPOST SHALL BE GRADE A COMPOST MEETING WSDOT STD SPEC 9-14.4(8).

APPROXIMATE GRADING VOLUMES

VOLUMES APPROXIMATED FROM EXISTING GRADE WITH 0.75 FEET STRIPPED TO SUBGRADE. THE VALUES HAVE NOT BEEN ADJUSTED FOR EXPANSION OR CONTRACTION OF THE SOIL OR OVER EXCAVATION TO CONSTRUCT THE PROPOSED IMPROVEMENTS SHOWN ON THE DRAWINGS.

CUT VOLUME: 3800 CUBIC YARDS

FILL VOLUME: 2200 CUBIC YARDS

STRIPPING VOLUME: 350 CUBIC YARDS

MULCH REQUIREMENTS

MULCH MATERIAL	QUALITY STANDARDS	APPLICATION RATES
STRAW	AIR-DRIED; FREE FROM UNDESIRABLE SEED AND COARSE MATERIAL.	2"-3" THICK; 5 BALES PER 1000 SF OR 2-3 TONS PER ACRE
HYDROMULCH	NO GROWTH INHIBITING FACTORS.	APPROX. 25-30 LBS PER 1000 SF OR 1500-2000 LBS PER ACRE
COMPOSTED MULCH AND COMPOST	NO VISIBLE WATER OR DUST DURING HANDLING. MUST BE PURCHASED FROM SUPPLIER WITH SOLID WASTE HANDLING PERMIT (UNLESS EXEMPT).	2" THICK MIN.; APPROX. 100 TONS PER ACRE (APPROX 800 LBS PER YARD)
CHIPPED SITE VEGETATION	AVERAGE SIZE SHALL BE SEVERAL INCHES. GRADATIONS FROM FINES TO 6 INCHES IN LENGTH FOR TEXTURE, VARIATION, AND INTERLOCKING PROPERTIES.	2" MINIMUM THICKNESS
WOOD-BASED MULCH	NO VISIBLE WATER OR DUST DURING HANDLING. MUST BE PURCHASED FROM A SUPPLIER WITH A SOLID WASTE HANDLING PERMIT OR ONE EXEMPT FROM SOLID WASTE REGULATIONS.	2" THICK; APPROX. 100 TONS PER ACRE (APPROX. 800 LBS PER CUBIC YARD)

1 / C1.1 MULCHING

NO SCALE

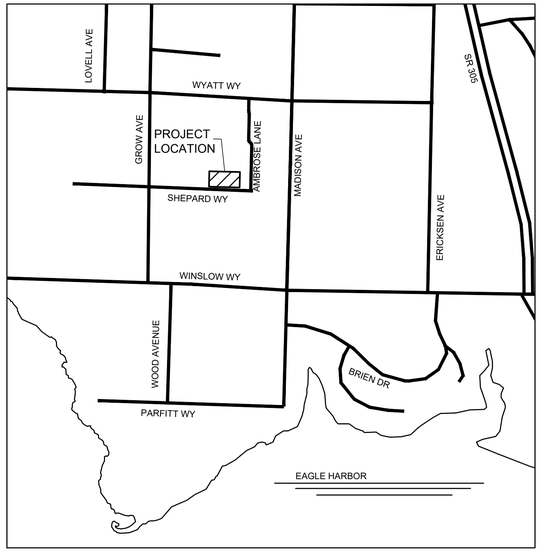
LEGEND

EXISTING DITCH
EXISTING ROAD/SIDEWALK
12"SD — EXISTING STORM DRAIN
8"SS — EXISTING STORM SEWER
P T C — EXISTING POWER, TELEPHONE, CABLE TV
8"W — EXISTING WATER
EXISTING ROAD
EXISTING STORM DRAIN CATCH BASIN TYPE 1
EXISTING STORM DRAIN CATCH BASIN TYPE 2
EXISTING CLEANOUT
EXISTING SANITARY SEWER MANHOLE
EXISTING FIRE HYDRANT
EXISTING GATE VALVE
EXISTING SIGN
EXISTING MAIL BOX
EXISTING TELEPHONE PEDESTAL
EXISTING UTILITY POLE
EXISTING UTILITY VAULT
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
PROPERTY LINE
EXISTING CENTERLINE
EASEMENT
EXISTING BUILDING
PROPERTY CORNER
BENCH MARK
SECTION CORNER
TREES

10LF 12"CPSP S=0.020 — PROPOSED STORM DRAIN
6"W — PROPOSED WATER LINE
10LF 6"PVC S=0.020 — PROPOSED SANITARY SEWER
PROPOSED TYPE 2 CATCH BASIN
PROPOSED TYPE 1 CATCH BASIN
PROPOSED DOWNSPOUT
PROPOSED CLEANOUT
PROPOSED SANITARY SEWER MANHOLE
PROPOSED SANITARY SEWER CLEANOUT
PROPOSED GATE VALVE
PROPOSED FIRE DEPARTMENT CONNECTION
PROPOSED WATER METER
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
PROPOSED CENTERLINE
PROPOSED ASPHALT ROAD
PROPOSED SIDEWALK/CURBING
PROPOSED CUT/FILL CATCHLINE
L1 — TANGENT LABEL
C1 — CURVE LABEL
STA 0+00 0L — CONTROL POINT
TC=122.1 — SPOT ELEVATION
SIGNS
1+00 — STATION

Sheet List Table

Sheet Number	Sheet Title
C1.1	GENERAL INFORMATION
C1.2	TESC PLAN
C2.1	GRADING PLAN OVERALL
C2.2	GRADING PLAN DETAIL
C2.3	SHEPARD WAY GRADING PLAN
C2.4	SECTIONS AND GRADING DETAILS
C3.1	WATER AND SEWER PLAN
C3.2	SANITARY SEWER AND WATER PROFILES
C3.3	STORM DRAINAGE PLAN
C3.4	SHEPARD WAY STORM DRAINAGE AND DETAILS
C3.5	STORM DRAIN PROFILES
C3.6	WATER AND SEWER DETAILS



N

VICINITY MAP

SCALE: 1" = 500'

0 250 500 1000

10/14/21

ADAM E. WHEELER — STATE OF WASHINGTON — 40430 — REGISTERED PROFESSIONAL ENGINEER

GENERAL INFORMATION
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

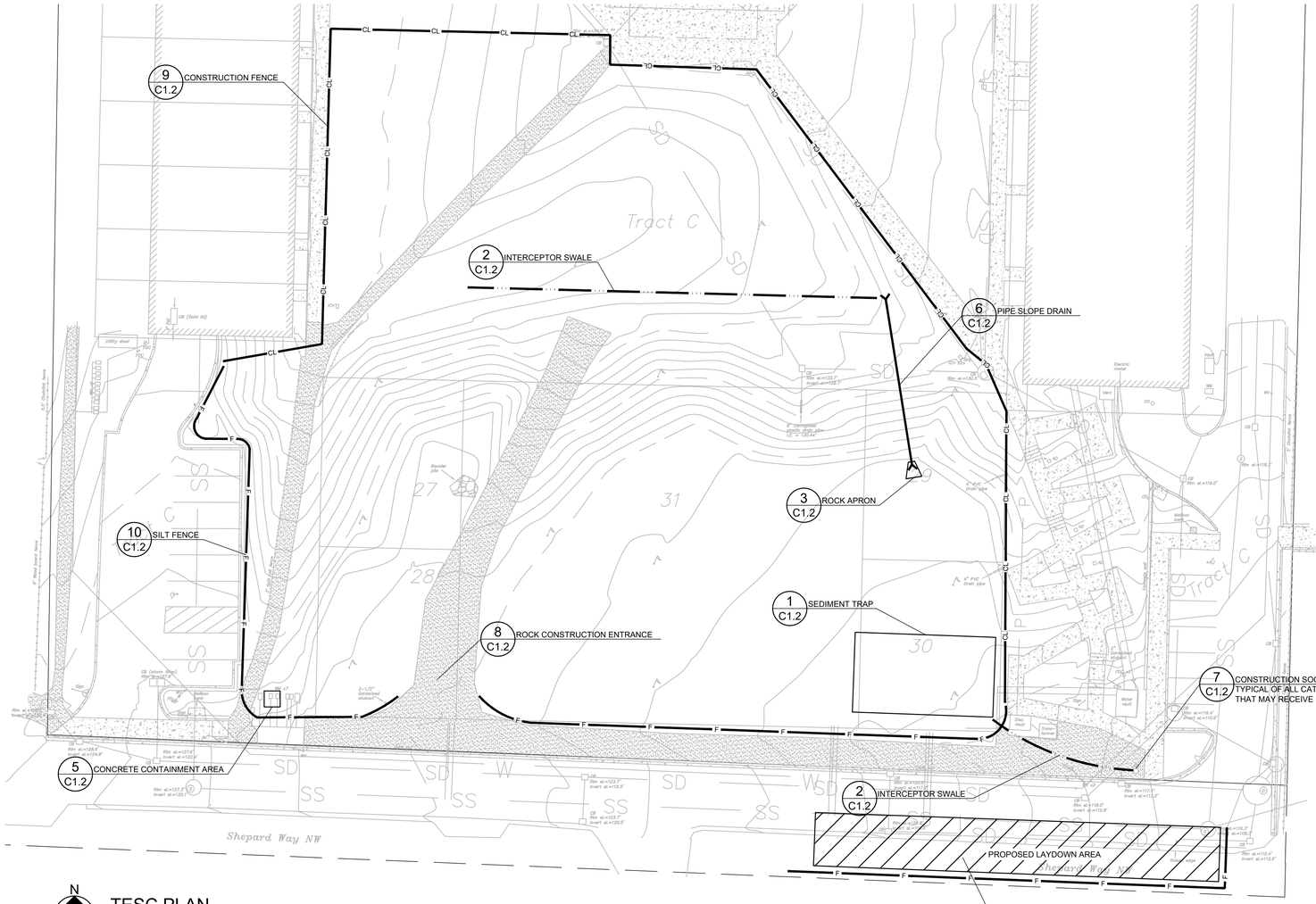
BROWNE • WHEELER ENGINEERS, INC
241 ERICKSEN AVENUE NE
BAINBRIDGE ISLAND, WA 98110
P 206.842.0605 INFO@BrowneWheeler.COM

BAINBRIDGE 14 LLC
27 S HANFORD STREET
SEATTLE WA 98134

DATE 10/14/21
DESIGNED AEW
DRAWN NDW
CHECKED BKR
PROJECT # GRO8-1

C1.1

FILE NAME: C1.1 GENERAL INFORMATION.DWG PLOT DATE: 10/14/2021 4:18 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NIKKI WHEELER



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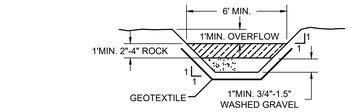
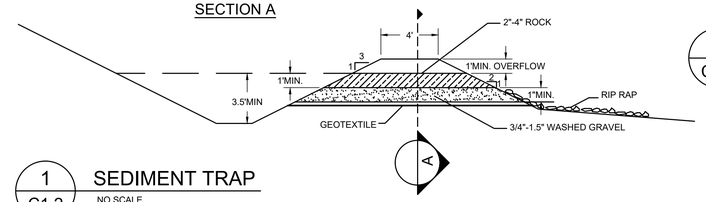
TESC PLAN

SCALE: 1" = 20'

0 5 10 20 40

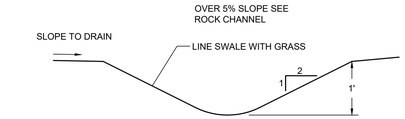


SECTION A



1 C1.2 SEDIMENT TRAP

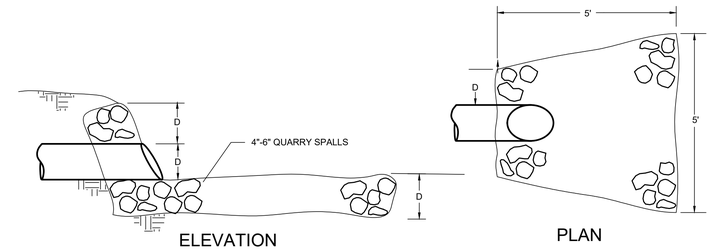
NO SCALE

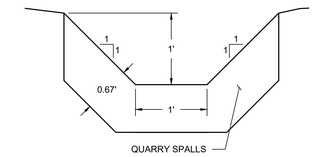


2 C1.2 INTERCEPTOR SWALE

NO SCALE

QUARRY SPALLS	
SIEVE SIZE	% PASSING
8"	100
3"	40 MAX
3/4"	10 MAX



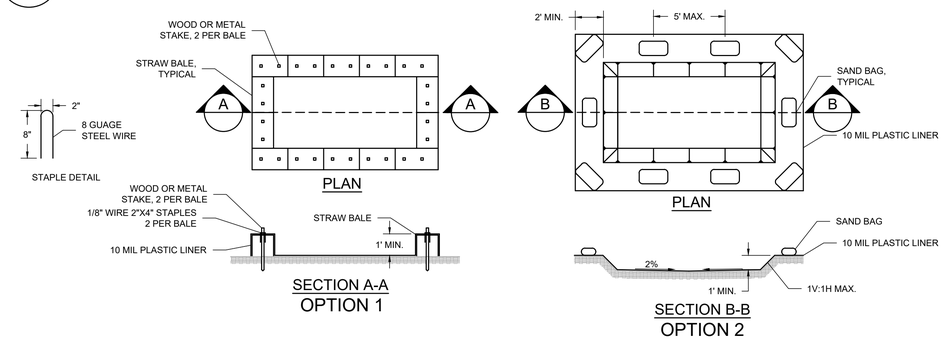


4 C1.2 ROCK CHANNEL

NO SCALE

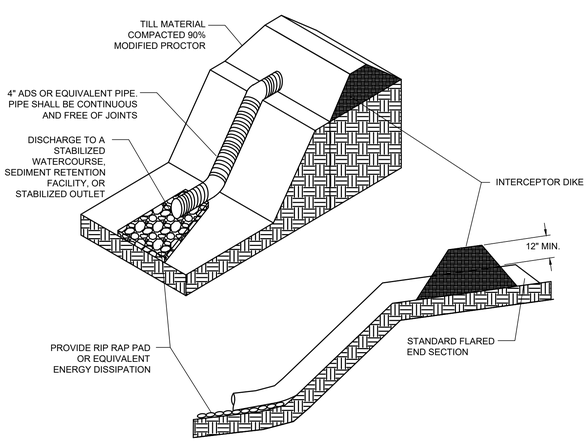
3 C1.2 ROCK APRON

NO SCALE



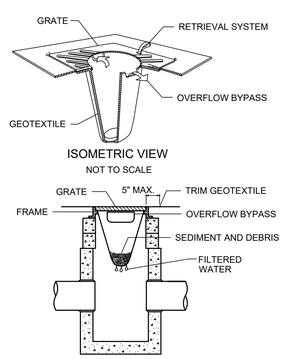
5 C1.2 CONCRETE CONTAINMENT AREA

NO SCALE



6 C1.2 PIPE SLOPE DRAIN

NO SCALE

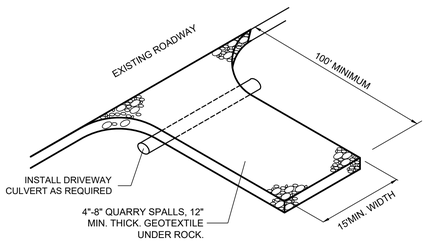


NOTES

1. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).
2. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
3. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
4. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.
5. INSTALL SOCK IN AN EXISTING OR PROPOSED CATCH BASINS WHICH MAY RECEIVE RUNOFF FROM THE PROJECT SITE

7 C1.2 CONSTRUCTION SOCK

NO SCALE



ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN EFFECTIVENESS IN REMOVING MUD FROM TIRES.

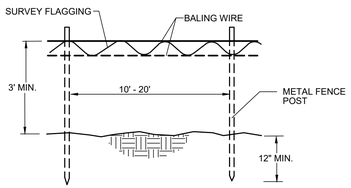
RECYCLED CONCRETE MAY NOT BE USED FOR ROCK CONSTRUCTION ENTRANCE.

SLOPE ENTRANCE TO DISPERSE RUNOFF.

ENTRANCE LENGTH MAY BE REDUCED TO MAXIMUM PRACTICABLE SIZE BASED ON SITE CONDITIONS.

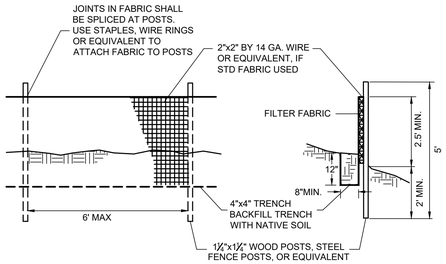
8 C1.2 ROCK CONSTRUCTION ENTRANCE

NO SCALE



9 C1.2 CONSTRUCTION FENCE

NO SCALE



NOTES:

1. INSTALL SILT FENCING ALONG CONTOURS.
2. INSTALL THE ENDS OF THE SILT FENCE TO POINT SLIGHTLY UP-SLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
3. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 8.01.3(9)A AND 8.01.3(15).
4. FILTER FABRIC SHALL MEET WSDOT 9-33.2(1) TABLE 6.

10 C1.2 SILT FENCE

NO SCALE

10/14/21

TESC PLAN
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

BROWNE • WHEELER ENGINEERS, INC
241 ERICKSEN AVENUE NE
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DATE 10/14/21
DESIGNED AEW
DRAWN NDW
CHECKED BKR
PROJECT # GRO8-1

C1.2

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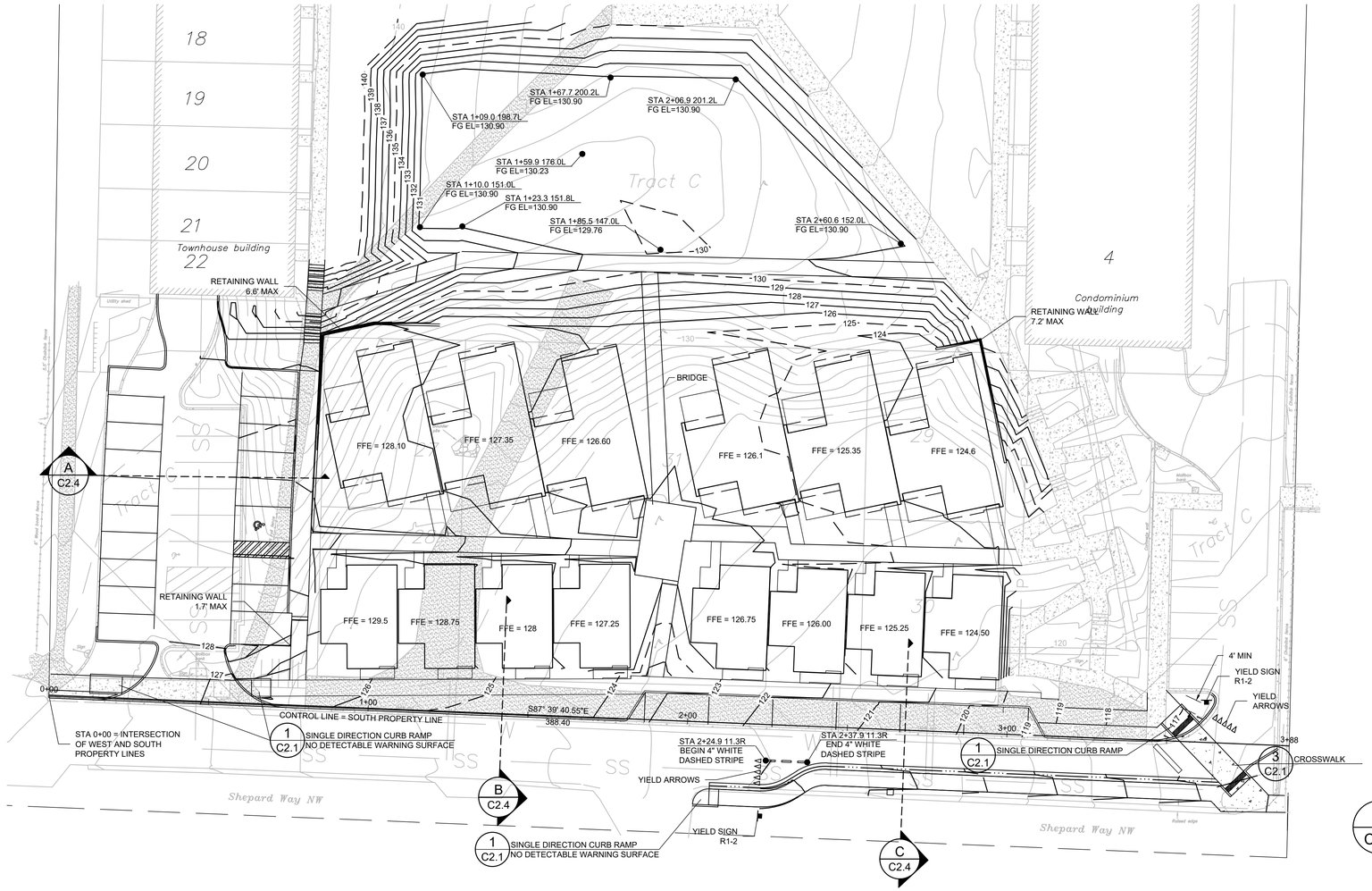
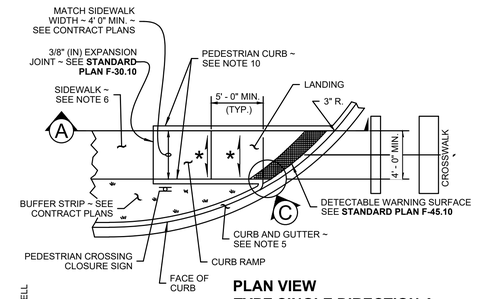


OVERALL GRADING PLAN

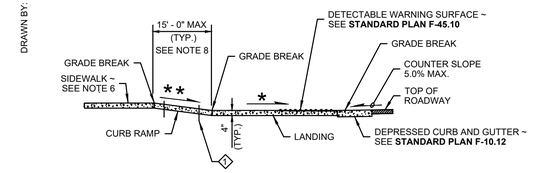
SCALE: 1" = 20'

0 5 10 20 40



PLAN VIEW
TYPE SINGLE DIRECTION A

DRAWN BY: FERN LIDDELL



SECTION A

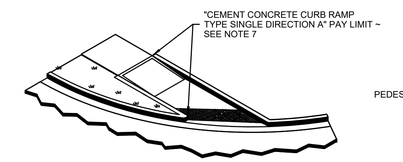
1 CONTRACTION JOINT (TYP.) ~ SEE **STANDARD PLAN F-30.10** FOR CURB RAMP LENGTHS GREATER THAN 8' - 0" PROVIDE CONTRACTION JOINT EQUALLY SPACED 4' - 0" MIN. OC.

SLOPE IN EITHER DIRECTION

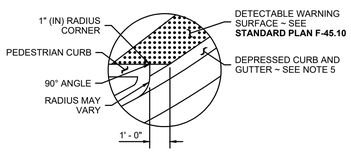
* 1.5 OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (2% MAX.)

** 7.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (8.3% MAX.) SEE NOTE 7

1. This plan is to be used where pedestrian crossing in one direction is not permitted.
2. At marked crosswalks, the connection between the Landing and the roadway must be contained within the width of the crosswalk markings.
3. Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
4. Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing or in the Depressed Curb and Gutter where the Landing connects to the roadway.
5. See Contract Plans for the curb design specified. See **Standard Plan F-10.12** for Curb, Curb and Gutter, Depressed Curb, Gutter and Pedestrian Curb details.
6. See **Standard Plan F-30.10** for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
7. The Bid Item "Cement Concrete Curb Ramp Type __" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
8. The Curb Ramp length is not required to exceed 15 feet (unless shown otherwise in the Contract Plans). When applying the 15-foot max. length (measured from back of sidewalk) the running slope of the curb ramp is allowed to exceed 8.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet.
9. Curb Ramps and Landings shall receive a broom finish. See **Standard Specifications 8-14.**
10. Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will not be material to retain.



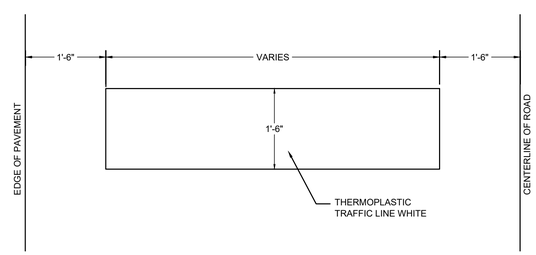
ISOMETRIC VIEW
TYPE SINGLE DIRECTION A
PAY LIMIT



DETAIL C

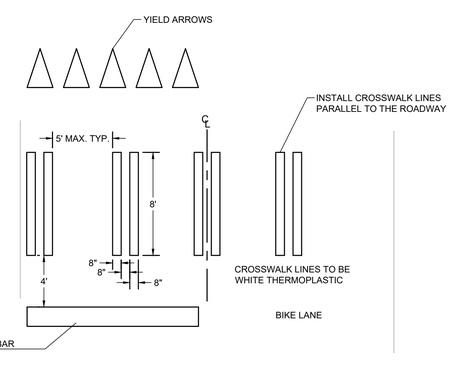
1 / C2.1 SINGLE DIRECTION CURB RAMP

NO SCALE



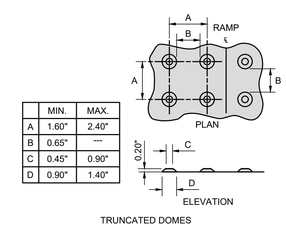
2 / C2.1 STOP BAR

NO SCALE



3 / C2.1 CROSSWALK

NO SCALE



	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	---
C	0.45"	0.90"
D	0.90"	1.40"

TRUNCATED DOMES

NOTES:

1. DETECTABLE WARNING SURFACE (DWS) SHALL BE YELLOW IN COMPLIANCE WITH WSDOT STD. SPEC. 8-14.2 AND HAVE TRUNCATED DOME PATTERN IN COMPLIANCE WITH WSDOT STD. PLAN F-45.10-01.
2. DWS SHALL HAVE A MINIMUM DEPTH OF 2' AND EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARES) OR THE LANDING.
3. THE ROWS OF TRUNCATED DOMES SHALL BE ALIGNED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BACK OF CURB AND PARALLEL TOT HE DIRECTION OF TRAVEL.

4 / C2.1 DETECTABLE WARNING PATTERN

NO SCALE

10/14/21

ADAM E. WHEELER · STATE OF WASHINGTON · 40430 · REGISTERED · PROFESSIONAL ENGINEER

GRADING PLAN OVERALL
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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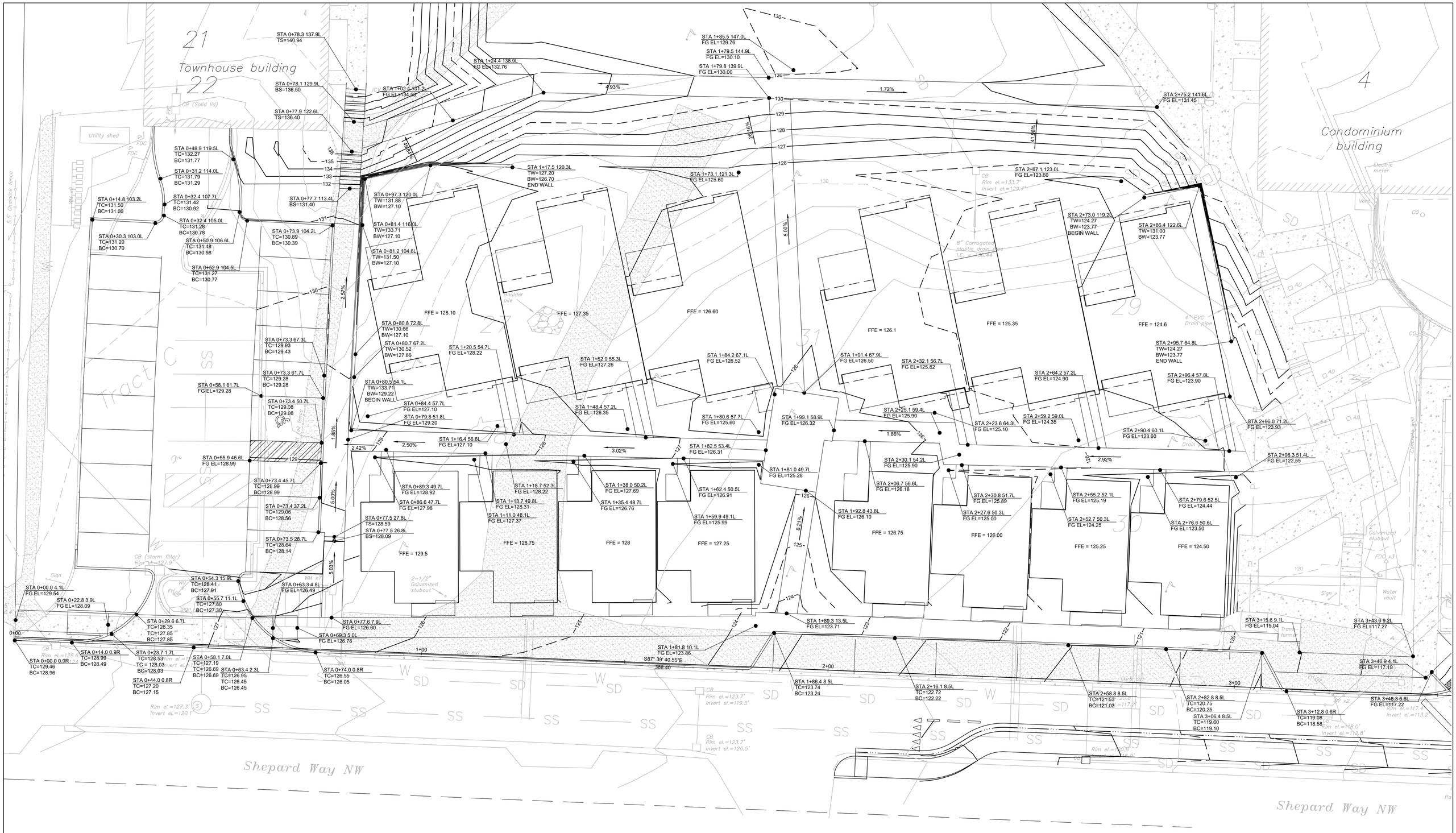
P 206.842.0605 INFO@BrowneWheeler.COM

BAINBRIDGE 14 LLC
27 S HANFORD STREET
SEATTLE WA 98134

DATE 10/14/21
DESIGNED AEW
DRAWN NDW
CHECKED BKR
PROJECT # GRO8-1

C2.1

FILE NAME: C2.1 GRADING PLAN OVERALL.DWG PLOT DATE: 10/15/2021 10:09 AM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NIKKI WHEELER



N

GRADING PLAN

SCALE: 1" = 10'

0 5 10 20

PRELIMINARY
NOT FOR CONSTRUCTION

ADAM E. WHEELER
STATE OF WASHINGTON
40430
REGISTERED
PROFESSIONAL ENGINEER

GRADING PLAN DETAIL
GROW COMMUNITY PHASE 3
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PROJECT #	GRO8-1

C2.2

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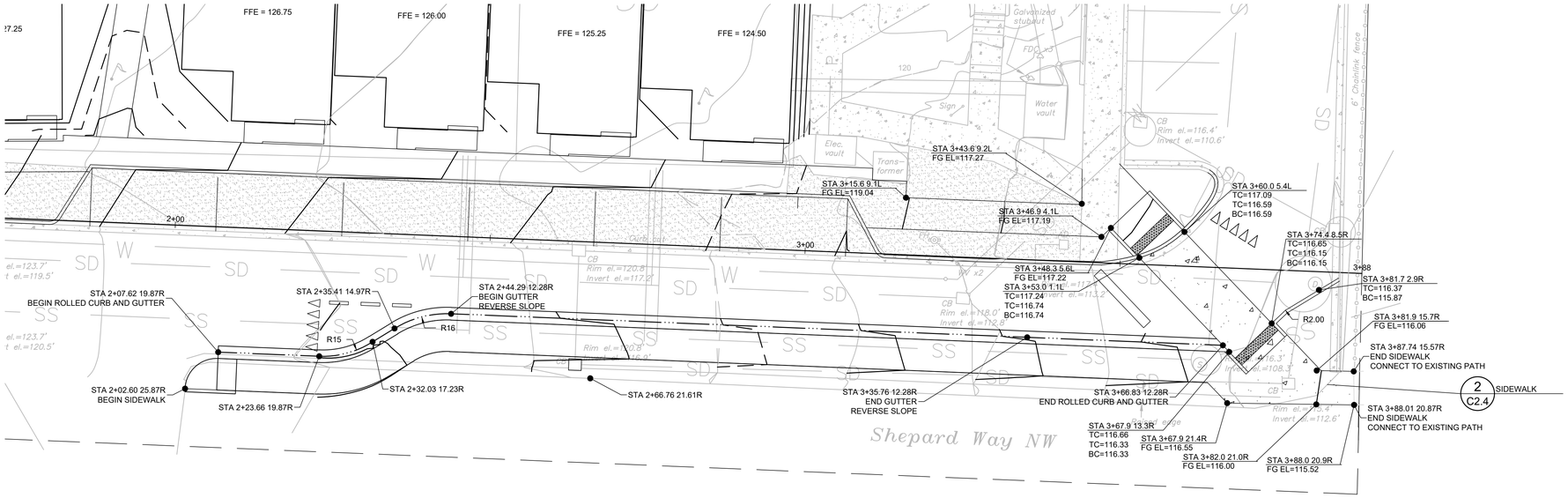

N

SHEPARD WAY GRADING PLAN

SCALE: 1" = 10'

0 5 10 20

PRELIMINARY
NOT FOR CONSTRUCTION

ADAM E. WHEELER
STATE OF WASHINGTON
40430
REGISTERED
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SHEPARD WAY GRADING PLAN
GROW COMMUNITY PHASE 3
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DATE 10/14/21
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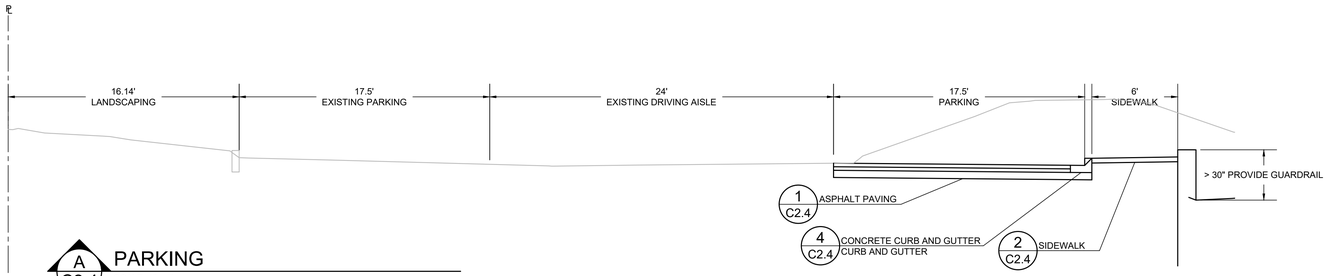
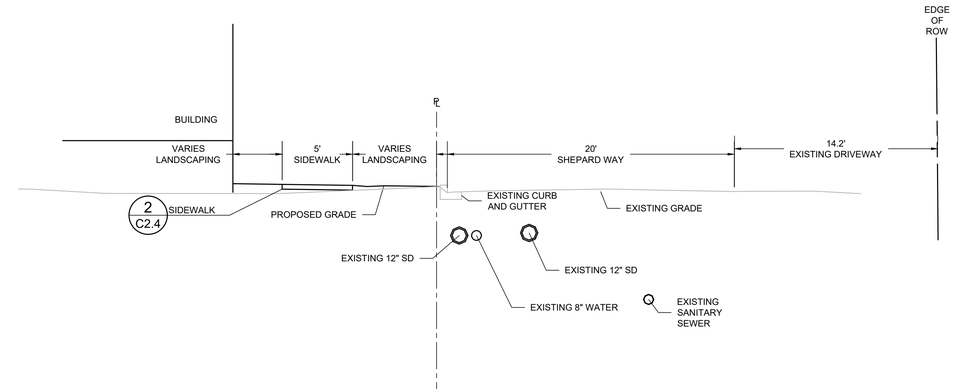
C2.3

FILE NAME: C2.3 SHEPARD WAY GRADING PLAN.DWG PLOT DATE: 10/15/2021 10:07 AM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NIKKI WHEELER



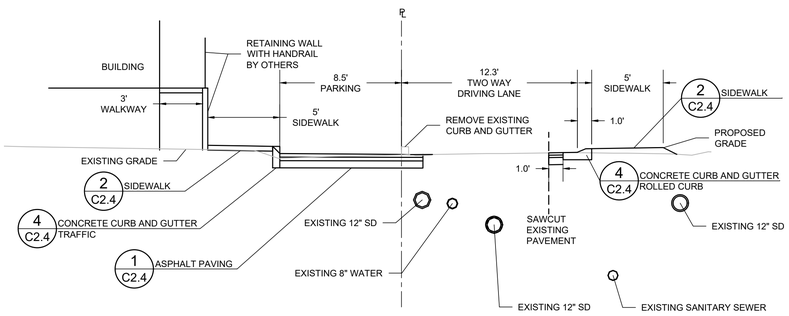
A C2.4 PARKING

SCALE: 1" = 5'



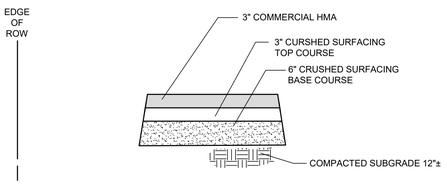
B C2.4 SHEPHARD WAY WITH SIDEWALK

SCALE: 1" = 5'



C C2.4 SHEPARD WAY WITH PARKING

SCALE: 1" = 5'

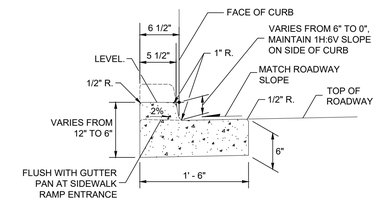


ALL MATERIALS SHALL BE COMPACTED TO 95% MAX. DENSITY (MODIFIED PROCTOR)

REMOVE AND REPLACE UNSUITABLE MATERIAL AS DIRECTED BY GEOTECHNICAL ENGINEER.

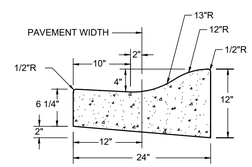
1 C2.4 ASPHALT PAVING

NO SCALE

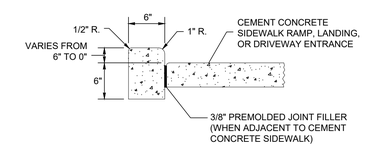


STANDARD 6" CURB & DEPRESSED CURB SECTION

AT SIDEWALK RAMPS AND DRIVEWAY ENTRANCES

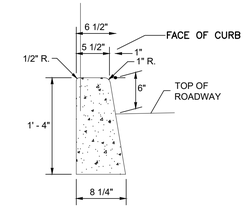


CEMENT CONCRETE ROLLED CURB & GUTTER

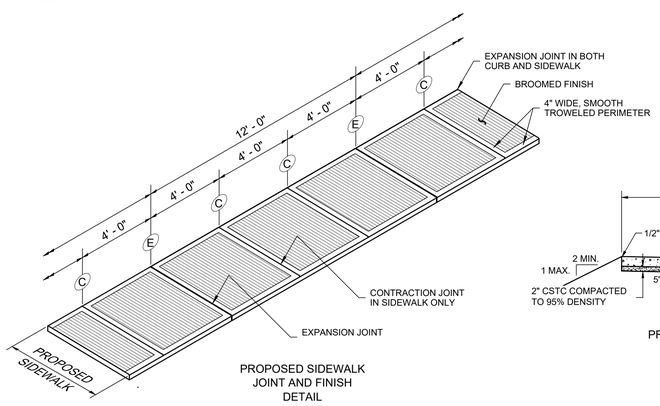


CEMENT CONCRETE PEDESTRIAN CURB

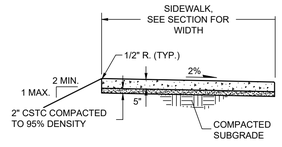
AT SIDEWALK RAMPS & LANDINGS, AND DRIVEWAY ENTRANCES



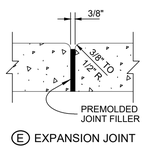
CEMENT CONCRETE TRAFFIC CURB



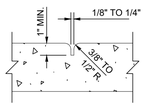
PROPOSED SIDEWALK JOINT AND FINISH DETAIL



PROPOSED SIDEWALK



(E) EXPANSION JOINT



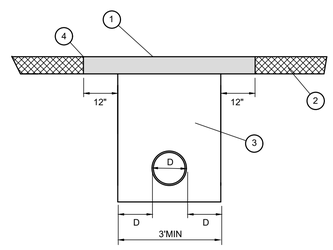
(C) CONTRACTION JOINT

NOTES:

1. FOUR FEET OF THE SIDEWALK WIDTH SHALL BE THE MINIMUM PEDESTRIAN ACCESSIBLE ROUTE FREE OF VERTICAL AND HORIZONTAL OBSTRUCTIONS. GRATINGS, ACCESS COVERS, JUNCTION BOXES, CABLE VAULTS, PULL BOXES AND OTHER APPURTENANCES WITHIN THE SIDEWALK MUST HAVE SLIP RESISTANT SURFACES, BE FLUSH WITH SURFACE, AND MATCH GRADE OF SIDEWALK.

2 C2.4 SIDEWALK

NO SCALE



(1) LONGITUDINAL TRENCH. REMOVE AND REPLACE EXISTING PAVEMENT (2" MIN THICKNESS) FULL WIDTH OF DISTURBED LANE.

TRANSVERSE TRENCH. REMOVE AND REPLACE EXISTING PAVEMENT (2" MIN THICKNESS) SEE ABOVE FOR WIDTH.

ASPHALT SHALL BE CLASS B COMPACTED IN 2" MAXIMUM LIFTS.

(2) EXISTING PAVEMENT

(3) 95% COMPACTION TO 8' DEPTH, 90% BELOW, SEE UTILITY TRENCH BACKFILL DETAIL FOR MATERIAL SPECIFICATION.

(4) STRAIGHT SAW CUT FULL DEPTH, CLEAN, HEAT & TACK EDGES WITH SEALER & SEAL WITH ASPHALT CEMENT

TEMPORARY RESTORATION OF TRENCHES FOR OVERNIGHT USE SHALL BE ACCOMPLISHED BY USING COLD MIX, ATB OR STEEL PLATES. PATCH SHALL BE MACHINE ROLLED FLUSH WITH EXISTING PAVEMENT AND SHALL BE PLACED PER SECTION 5-04 OF THE WSDOT/APWA SPECIFICATIONS.

3 C2.4 TRENCH RESTORATION

NO SCALE

1. CONSTRUCTION OF CURB DETAILS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION (WSDOT/APWA SPECIFICATIONS) UNLESS OTHERWISE MODIFIED BELOW.

2. CEMENT CONCRETE CURB OR CURB AND GUTTER SHALL BE CONSTRUCTED WITH AIR ENTRAINED CONCRETE CLASS 3000 CONFORMING TO THE REQUIREMENT OF WSDOT/APWA STANDARD SPECIFICATIONS SECTION 6-02 EXCEPT AT DRIVEWAY ENTRANCES. CEMENT CONCRETE CURB OR CURB AND GUTTER ALONG THE FULL WIDTH OF A DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED WITH AIR ENTRAINED CONCRETE CLASS 4000 CONFORMING TO THE REQUIREMENTS OF SECTION 6-02.

3. FULL DEPTH EXPANSION JOINTS CONSISTING OF 3/8 INCH THICK MINIMUM PREMOLDED JOINT MATERIAL SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS AND AT POINTS OF TANGENCY ON STREETS AND DRIVEWAY RETURNS. MAXIMUM SPACING SHALL BE 15 FEET.

4. ALL JOINTS SHALL BE CLEANED AND EDGED.

5. FINISH SHALL BE A LIGHT BROOM FINISH.

6. FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED. STEEL FORMS ONLY SHALL BE USED ON TANGENT SECTIONS. WOOD FORMS MAY BE USED ON CURVED SECTIONS.

7. CONCRETE SHALL BE CURED IN ACCORDANCE WITH WSDOT/APWA STANDARD SPECIFICATIONS SECTION 5-05.3(13). IF LIQUID MEMBRANE-FORMING COMPOUND IS USED, APPLY AT A RATE OF AT LEAST ONE GALLON PER 150 SQUARE FEET.

8. INSTALL 1" DIAMETER WEEP HOLES EVERY 15' WHERE BACK OF CURB IS AGAINST EARTH.

9. BACKFILL AGAINST CURBS TO PROVIDE SUPPORT WHERE REQUIRED.

4 C2.4 CONCRETE CURB AND GUTTER

NO SCALE

10/14/21

SECTIONS AND GRADING DETAILS
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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PROJECT # GRO8-1

C2.4

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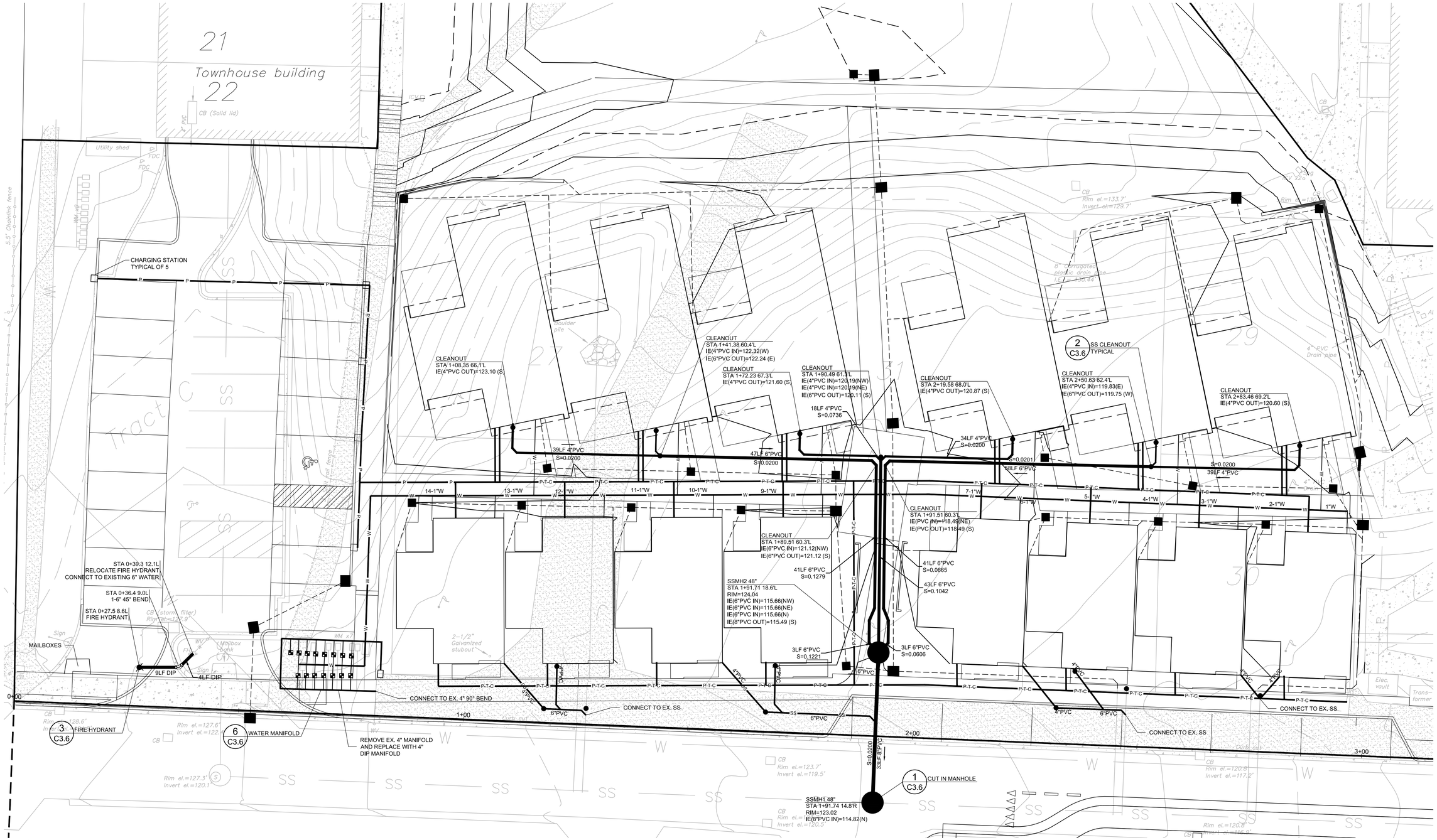

WATER AND SEWER PLAN

SCALE: 1" = 10'

0 5 10 20

10/14/21

WATER AND SEWER PLAN
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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DESIGNED	AEW
DRAWN	NDW
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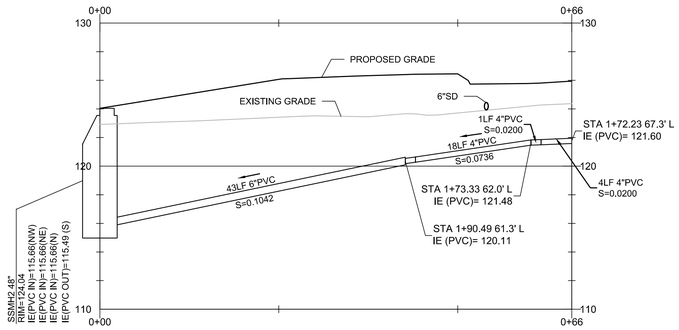
PROJECT #	GRO8-1

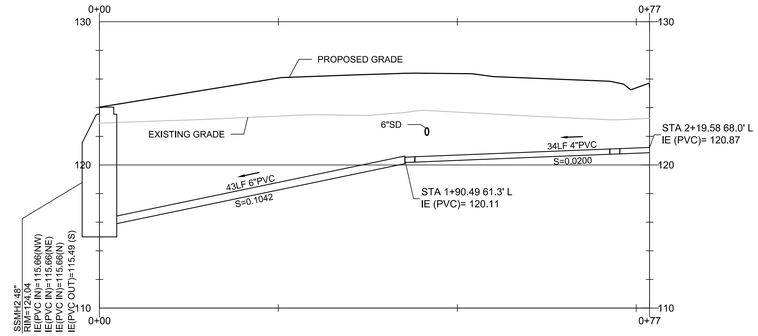
C3.1

FILE NAME: C3.1 WATER AND SEWER PLAN.DWG PLOT DATE: 10/14/2021 1:02 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NIKKI WHEELER



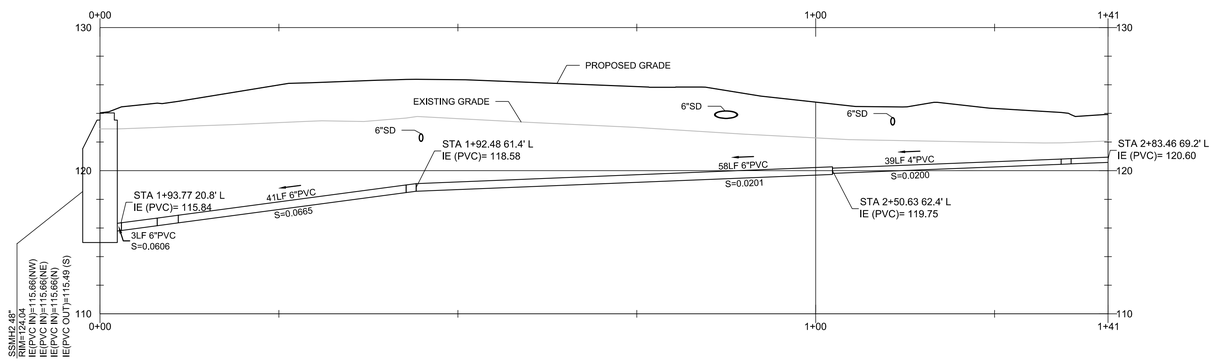
NORTHWEST SANITARY SEWER

SCALE: 1" = 10'H
1" = 5' V



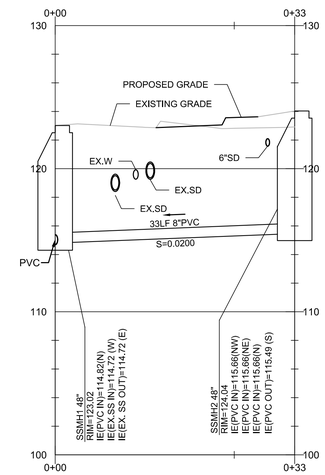
NORTHEAST SANITARY SEWER

SCALE: 1" = 10'H
1" = 5' V



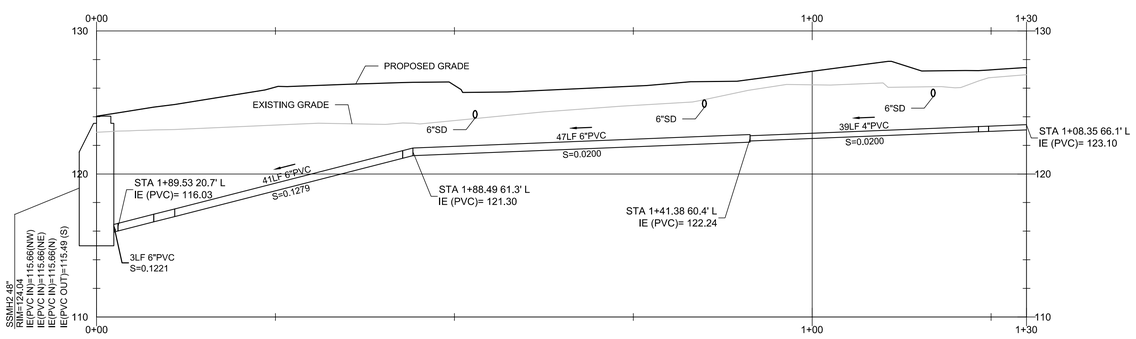
EAST SANITARY SEWER

SCALE: 1" = 10'H
1" = 5' V



ROW SANITARY SEWER

SCALE: 1" = 10'H
1" = 5' V



WEST SANITARY SEWER

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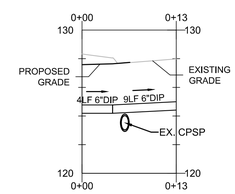
1" = 5' V



WATER

SCALE: 1" = 10'H
1" = 5' V

10/14/21

ADAM E. WHEELER
STATE OF WASHINGTON
40430
REGISTERED
PROFESSIONAL ENGINEER

SANITARY SEWER AND WATER PROFILES
GROW COMMUNITY PHASE 3
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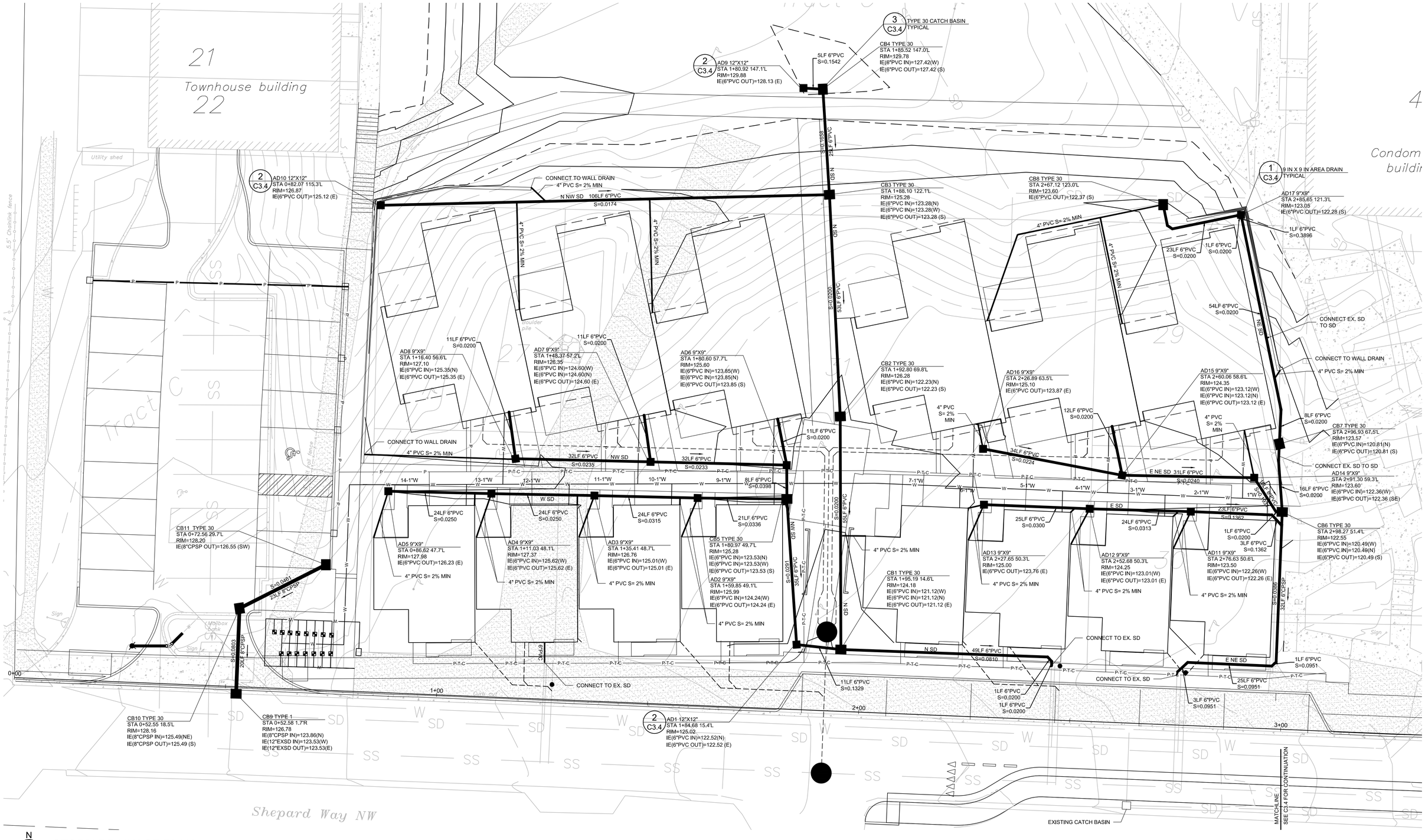
C3.2

FILE NAME: C3.2 SANITARY SEWER AND WATER PROFILES.DWG PLOT DATE: 10/14/2021 1:05 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NIKKI WHEELER



10/14/21

STORM DRAINAGE PLAN
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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DRAWN	NDW
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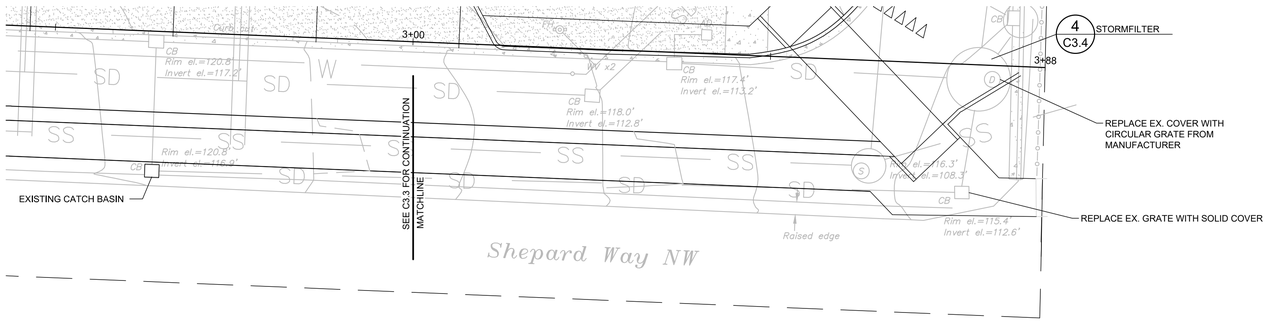
PROJECT #	GRO8-1

C3.3

FILE NAME: C3.3 STORM DRAINAGE PLAN.DWG PLOT DATE: 10/14/2021 1:09 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: --- PLOTTED BY: NIKKI WHEELER

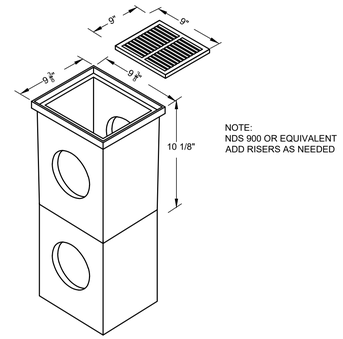


N

SHEPARD WAY STORM DRAIN

SCALE: 1" = 10'

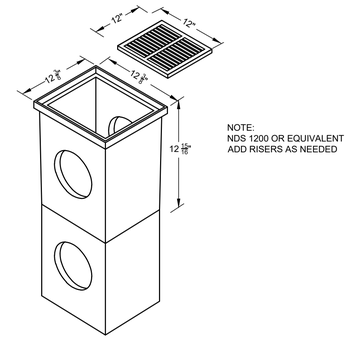
0 5 10 20



NOTE:
NDS 900 OR EQUIVALENT
ADD RISERS AS NEEDED

1 / C3.4 — 9 IN X 9 IN AREA DRAIN

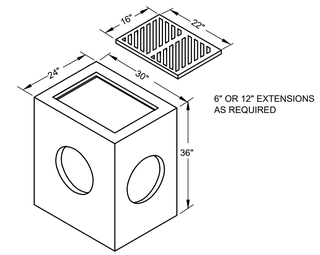
NO SCALE



NOTE:
NDS 1200 OR EQUIVALENT
ADD RISERS AS NEEDED

2 / C3.4 — 12 IN X 12 IN AREA DRAIN

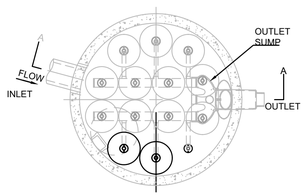
NO SCALE



6" OR 12" EXTENSIONS AS REQUIRED

3 / C3.4 — TYPE 30 CATCH BASIN

NO SCALE



PLAN VIEW

STORMFILTER DESIGN NOTES

STORMFILTER TREATMENTCAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (14). VOLUME SYSTEM IS ALSO AVAILABLE WITH MAXIMUM 14 CARTRIDGES. Ø96 MANHOLE STORMFILTER PEAK HYDRAULIC CAPACITY IS 1.8 CFS. IF THE SITE CONDITIONS EXCEED 1.8 CFS AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

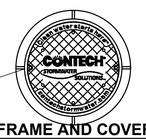
CARTRIDGE SELECTION

CARTRIDGE HEIGHT		18"		
RECOMMENDED HYDRAULIC DROP (H)		2.3'		
SPECIFIC FLOW RATE (gpm/sf)		2 gpm/ft²	1 gpm/ft²	
CARTRIDGE FLOW RATE (gpm)		15	7.5	

SITE SPECIFIC DATA REQUIREMENTS

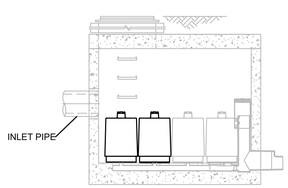
STRUCTURE ID			SF B
WATER QUALITY FLOW RATE (cfs)			0.21
PEAK FLOW RATE (cfs)			0.75
RETURN PERIOD OF PEAK FLOW (yrs)			50
# OF CARTRIDGES REQUIRED			EX=11 NEW=13
CARTRIDGE FLOW RATE			7.5
MEDIA TYPE (CSF, PERLITE, ZPG, GAC, PHS)			ZPG
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE #1	111.81	CPSP	12"
INLET PIPE #2	111.81	CPSP	12"
INLET PIPE #3	111.81	CPSP	12"
OUTLET PIPE	109.51	CPSP	12"
UPSTREAM RIM ELEVATION			115.76
DOWNSTREAM RIM ELEVATION			
ANTI-FLOTATION BALLAST		WIDTH	HEIGHT
NOTES/SPECIAL REQUIREMENTS:			

* PER ENGINEER OF RECORD



REPLACE EX. COVER WITH CIRCULAR GRATE FROM MANUFACTURER

FRAME AND COVER
(DIAMETER VARIES)
N.T.S.



SECTION A-A

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE. www.contech-cpi.com
4. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION
6. FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 39 SECONDS
7. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

INSTALLATION NOTES

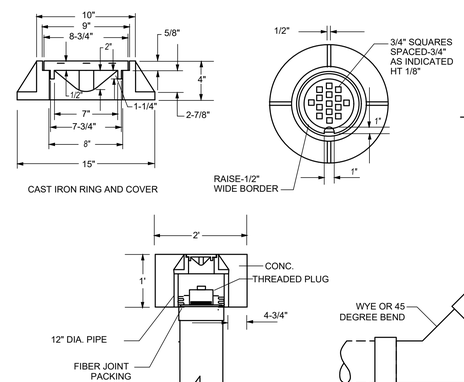
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET PIPE(S).
5. CONTRACTOR TO PROVIDE AND INSTALL CONNECTOR TO THE OUTLET RISER STUB. STORMFILTER EQUIPPED WITH A DUAL DIAMETER HDPE OUTLET STUB AND SAND COLLAR. IF OUTLET PIPE IS LARGER THAN 8 INCHES, CONTRACTOR TO REMOVE THE 8 INCH OUTLET STUB AT MOLDED IN CUT LINE. COUPLING BY FERNCO OR EQUAL AND PROVIDED BY CONTRACTOR.
6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

4 / C3.4 — STORMFILTER

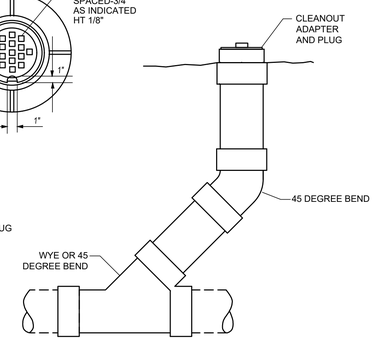
NO SCALE

NOTES:

CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100 FEET IN STRAIGHT RUNS AND FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.



IN PAVEMENT



IN LANDSCAPING

5 / C3.4 — CLEANOUT

NO SCALE

10/14/21

SHEPARD WAY STORM DRAINAGE AND DETAILS
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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P 206.842.0605 INFO@BrowneWheeler.COM

BAINBRIDGE 14 LLC
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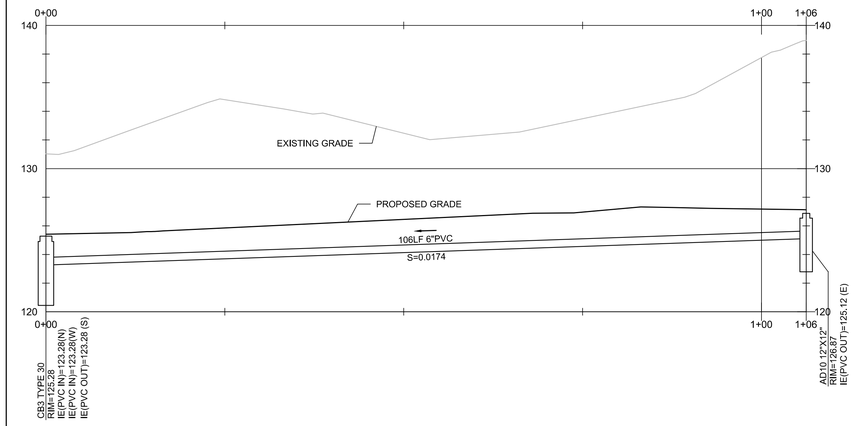
SEATTLE WA 98134

DATE 10/14/21
DESIGNED AEW
DRAWN NDW
CHECKED BKR
PROJECT # GRO8-1

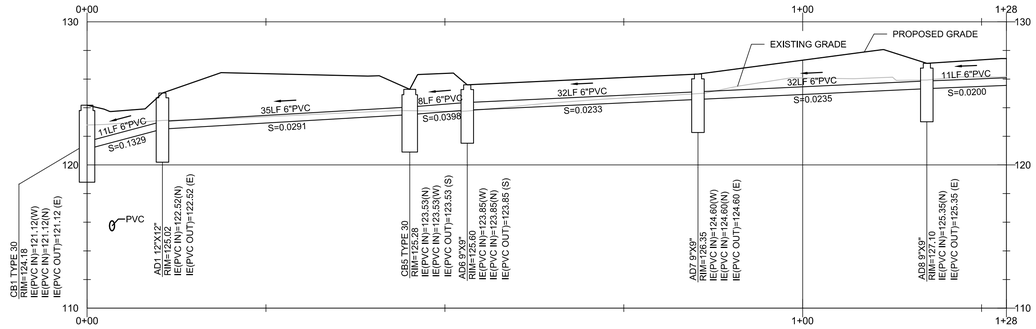
C3.4

FILE NAME: C3.4 SHEPARD WAY STORM DRAINAGE AND DETAILS.DWG PLOT DATE: 10/15/2021 10:53 AM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: ADAM WHEELER



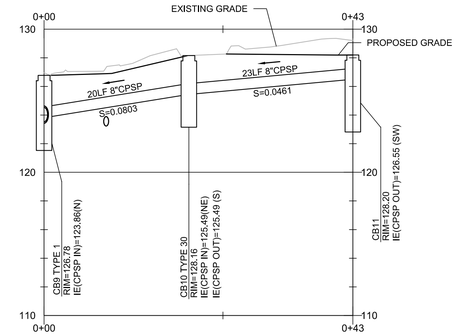
NORTH NORTHWEST SD

SCALE: 1" = 10'H
1" = 5' V



NORTHWEST SD

SCALE: 1" = 10'H
1" = 5' V



WEST PARKING LOT SD

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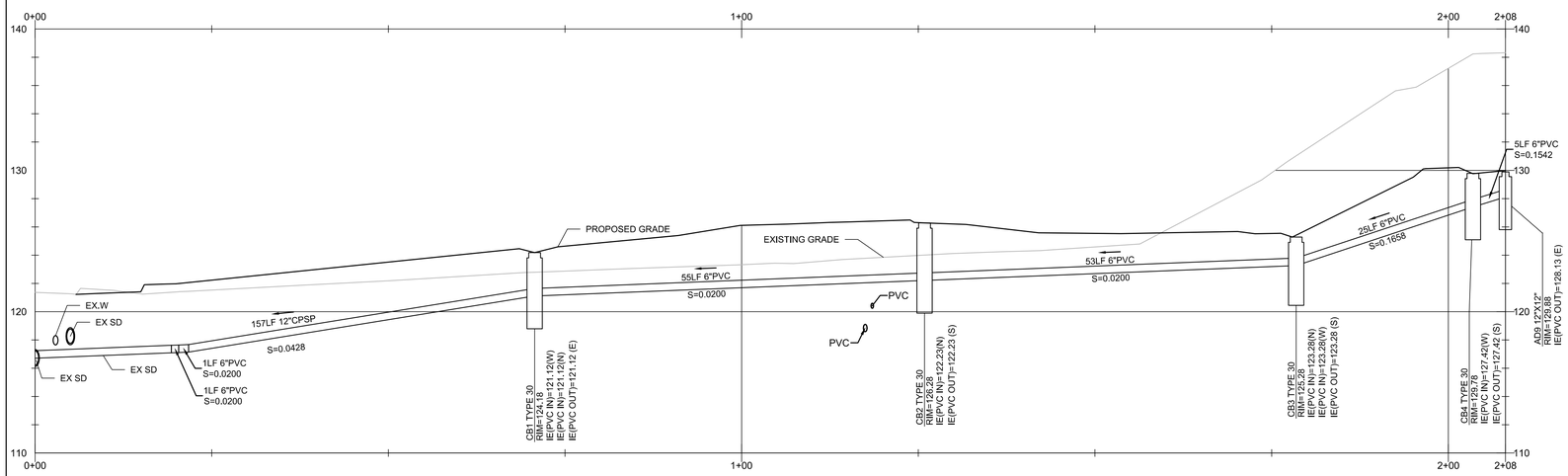
1" = 5' V



NORTH SD

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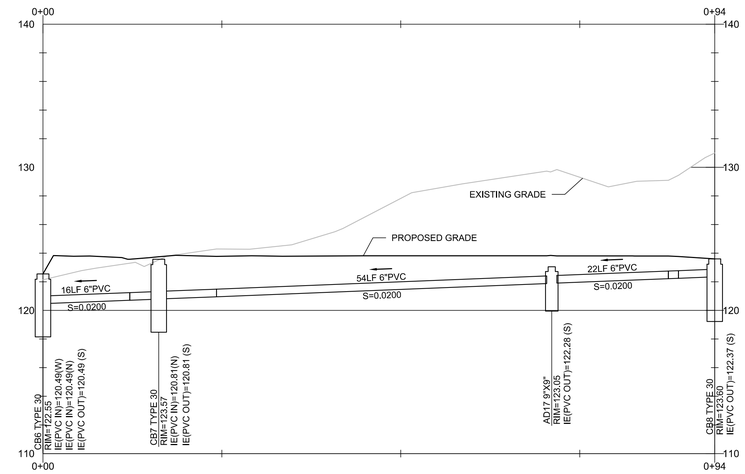
1" = 5' V



NORTHEAST SD

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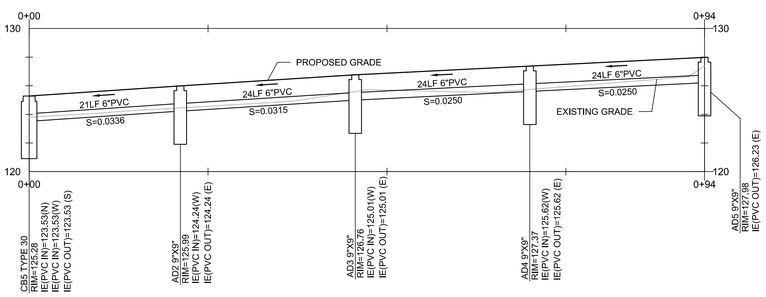
1" = 5' V



WEST SD

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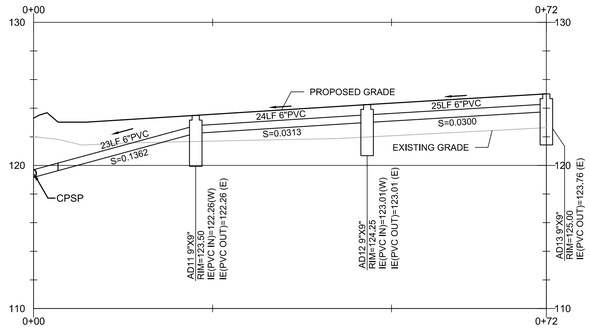
1" = 5' V



EAST SD

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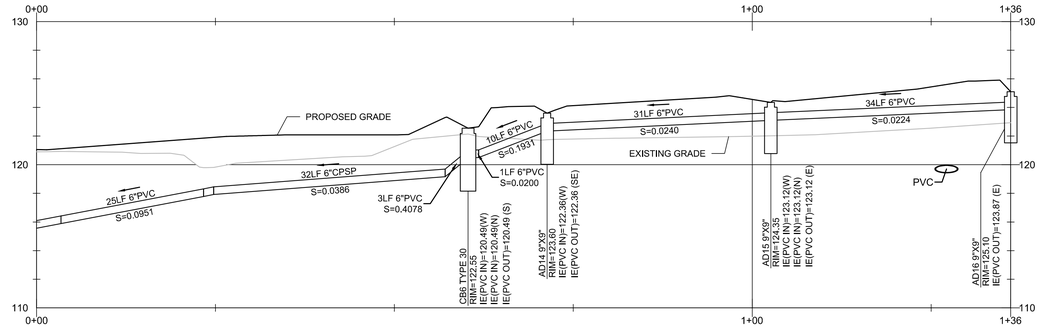
1" = 5' V



EAST NORTHEAST SD

SCALE: 1" = 10'H
1" = 5' V

10/14/21

ADAM E. WHEELER
STATE OF WASHINGTON
40430
REGISTERED
PROFESSIONAL ENGINEER

STORM DRAIN PROFILES
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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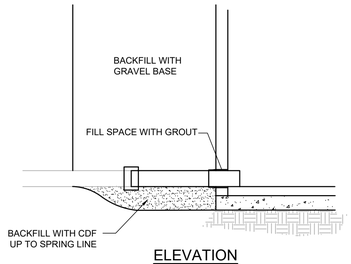
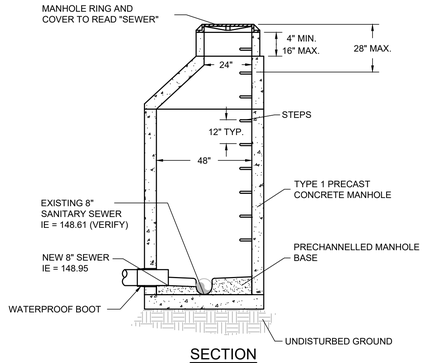
DATE	10/14/21
DESIGNED	AEW
DRAWN	NDW
CHECKED	BKR
PROJECT #	GRO8-1

C3.5

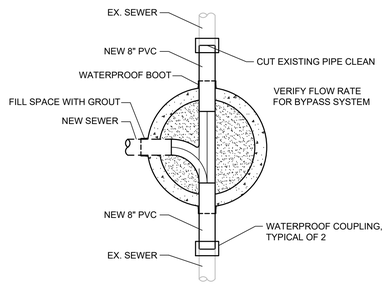
FILE NAME: C3.5 STORM DRAIN PROFILES.DWG PLOT DATE: 10/14/2021 1:15 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: --- PLOTTED BY: NIKKI WHEELER



ELEVATION



SECTION



PLAN

1 C3.6 CUT IN MANHOLE

NO SCALE

NOTES

1. STEPS IN MANHOLE SHALL HAVE 6 INCH MINIMUM CLEARANCE.

2. ALL REINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE CLASS 3000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.

3. ALL REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1 INCH MINIMUM CLEARANCE. #5 REBAR SHALL BE PLACED ONE FOOT ON CENTER IN EACH DIRECTION.

4. CONSTRUCTION SEQUENCE:

A. EXCAVATE TO TOP OF EXISTING SEWER MAIN.

B. INSTALL SEWER BYPASS SYSTEM APPROVED BY THE CITY OR TEMPORARY PLUG IN UPHILL MANHOLE.

C. EXCAVATE BELOW EXISTING SEWER MAIN A MINIMUM OF 6".

D. CUT TO EXISTING SANITARY SEWER PIPE AND REMOVE.

E. PLACE PRECAST MANHOLE WITH NEW 8" STUBS AND COUPLINGS.

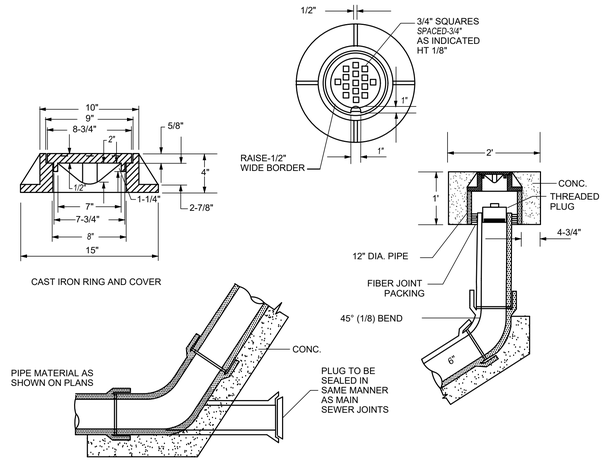
F. CONNECT TO EXISTING SEWER MAIN WITH COUPLINGS.

G. CHECK FOR LEAKS.

H. OBTAIN APPROVAL FROM COBI TO BACKFILL.

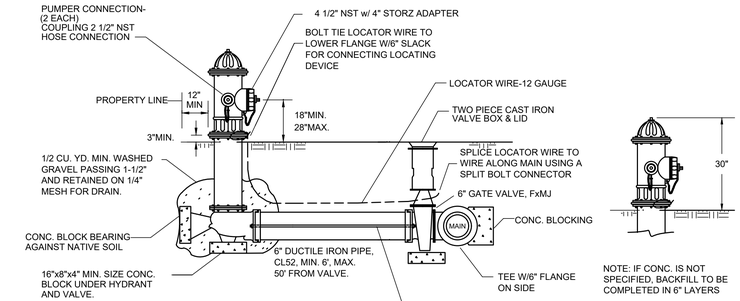
I. BACKFILL.

J. REMOVE BYPASS SYSTEM OR PLUG.



2 C3.6 SS CLEANOUT

NO SCALE

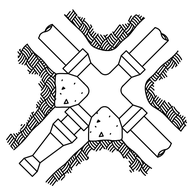


5 1/4" MAIN VALVE OPENING FIRE HYDRANT
6" MECHANICAL JOINT INLET, 1 1/2" PENTAGON
OPERATING NUT. FIRE HYDRANT TO BE PAINTED TWO
COATS OF RUSTOLEUM.
HYDRANTS SHALL BE CLOW-MEDALIAN, M&H 929 OR MUELLER.

MAINTAIN UNOBSTRUCTED LEVEL GROUND SURFACE FOR
A MINIMUM RADIUS OF 3' AROUND HYDRANT.

3 C3.6 FIRE HYDRANT

NO SCALE



PLAN VIEW

UNBALANCED CROSS
(USE COLUMN **A**)

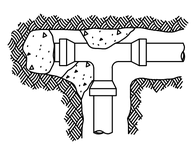
PLAN VIEW

PLUGGED CROSS
(USE COLUMN **B**)

1. Contractor to provide blocking adequate to withstand full test pressure.
2. Divide thrust by safe bearing load to determine required area (in square feet) of concrete to distribute load.Areas to be adjusted for other pressure conditions.
3. Provide two 1" minimum diameter rods on valves up through 10" diameter.
4. Valves larger than 10" require special tie rod design.

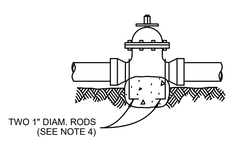
SIZE	TEST PRESSURE (PSI)	THRUST AT FITTINGS IN POUNDS				
		A	B	C	D	E
		TEE AND DEAD ENDS	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	250	3,140	4,440	2,405	1,225	615
6"	250	7,070	9,995	5,410	2,760	1,385
8"	250	12,565	17,770	9,620	4,905	2,465
10"	250	19,635	27,770	15,030	7,660	3,850
12"	250	28,275	39,985	21,640	11,030	5,545
	250	38,485	54,425	29,455	15,015	7,545
16"	250	50,265	71,085	38,470	19,615	9,855

SOIL TYPE	SAFE BEARING LOAD (PSF)
MUCK, PEAT, ETC.	0
SOFT CLAY	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000



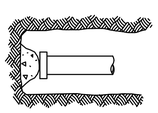
PLAN VIEW

PLUGGED TEE
(USE COLUMN **B**)



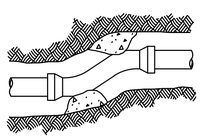
PROFILE VIEW

VALVE
(USE COLUMN **A**)

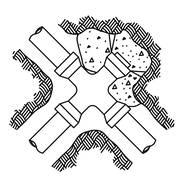


PLAN VIEW

DEAD END

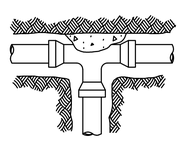


OFFSET
(USE COLUMNS **B** ~ **E**)



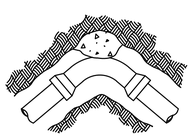
PLAN VIEW

PLUGGED CROSS
(USE COLUMN **A**)



PLAN VIEW

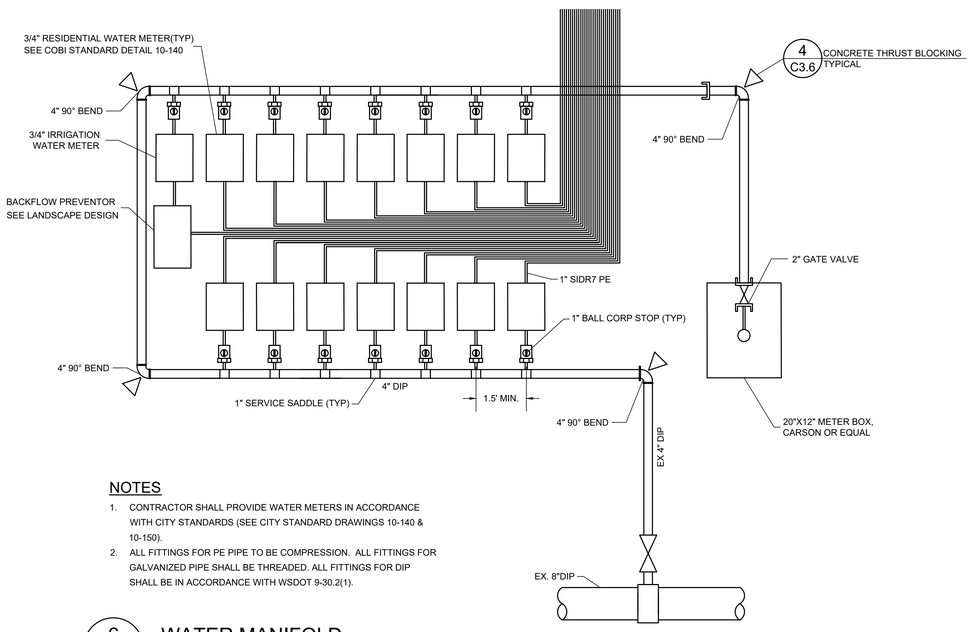
TEE



BEND

4 C3.6 CONCRETE THRUST BLOCKING

NO SCALE



NOTES

1. CONTRACTOR SHALL PROVIDE WATER METERS IN ACCORDANCE WITH CITY STANDARDS (SEE CITY STANDARD DRAWINGS 10-140 & 10-150).
2. ALL FITTINGS FOR PE PIPE TO BE COMPRESSION. ALL FITTINGS FOR GALVANIZED PIPE SHALL BE THREADED. ALL FITTINGS FOR DIP SHALL BE IN ACCORDANCE WITH WSDOT 9-30.2(1).

6 C3.6 WATER MANIFOLD

NO SCALE

WATER AND SEWER DETAILS
GROW COMMUNITY PHASE 3
PLAT UTILITY PERMIT SUBMITTAL

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27 S HANFORD STREET
SEATTLE WA 98134

DATE 10/14/21
DESIGNED AEW
DRAWN NDW
CHECKED BKR
PROJECT # GRO8-1

C3.6

FILE NAME: C3.6 WATER AND SEWER DETAILS.DWG PLOT DATE: 10/14/2021 1:16 PM PLOT DEVICE: DWG TO PDF.PC3 PAGE SETUP: ---- PLOTTED BY: NKKKI WHEELER