

NOTICE OF NSA OPPORTUNITY TO COMMENT



www.multco.us/landuse ▪ Email: land.use.planning@multco.us ▪ Phone: (503) 988-3043

Application for National Scenic Area Site Review

CASE FILE: T2-2024-0059

APPLICANT: Jack Loranger

LOCATION: NE CHAMBERLAIN RD
CORBETT

Property ID # R237861

Map, Tax lot: 1N4E27-00600

Alt. Acct. # R649731900

BASE ZONE: Gorge General Forestry – 20 (GGF-20)

OVERLAYS: Geological Hazard (GH)

KEY VIEWING AREAS: Bridal Veil, Columbia River, Historic Columbia River Hwy (HCRH), Interstate Highway – 84 (I-84), Larch Mountain Rd., PDX Womens, Sandy River, State Route – 14 (SR-14)

LANDSCAPE SETTING: Coniferous Woodlands

PROPOSAL: The applicant requests a National Scenic Area Site Review for a 2,999 single family residence with a 945 square foot attached garage and a Major Variance for Forestry buffer due to the characteristics of the property.

- ❖ **COMMENT PERIOD:** Neighbors are invited to submit written comments for the proposal described above. Comments should be directed toward the approval criteria listed below. Any neighbor that submits comments will receive the County’s complete decision. Written comments will be accepted at LUP-comments@multco.us if received by **4:00 pm on Friday, January 3, 2025**. Comments regarding Cultural Resources will be accepted until **4:00 pm on Monday, January 13, 2025**. **If you do not wish to submit comments, no response is necessary.**

Further information regarding this application is available by contacting LUP-comments@multco.us. Paper copies of these materials may be purchased for \$0.46/per page.

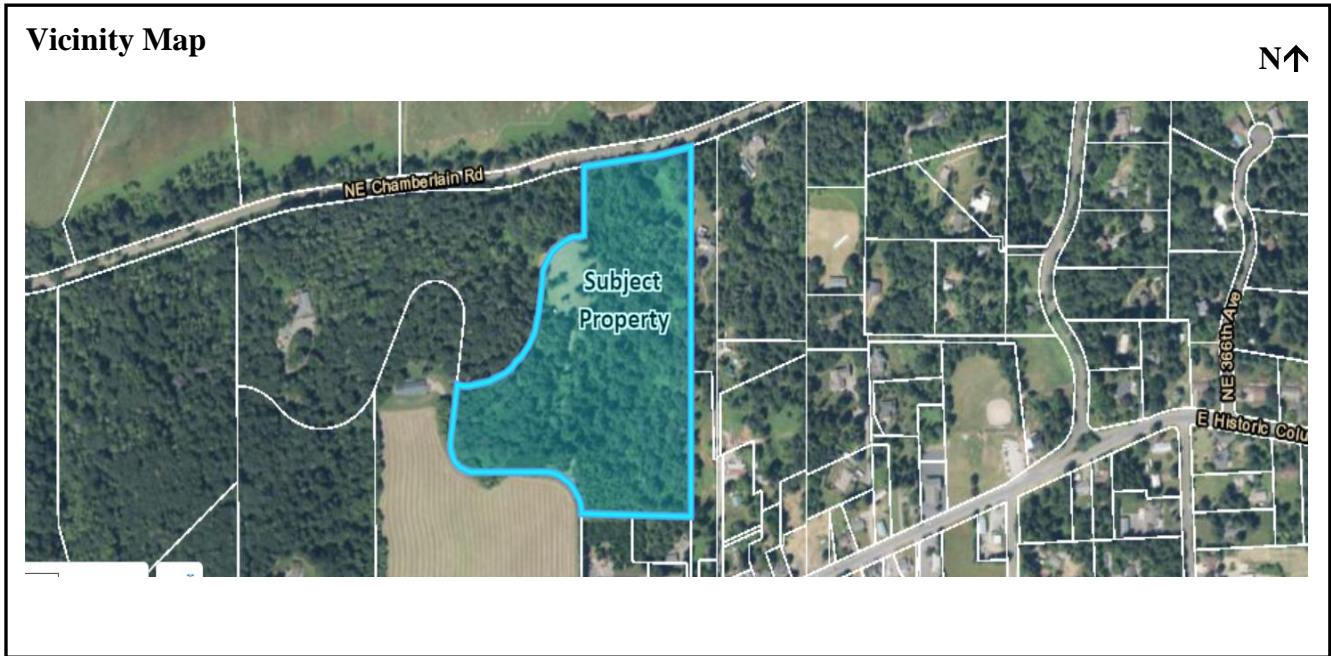
- ❖ **APPLICABLE APPROVAL CRITERIA** [Multnomah County Code (MCC)]:

General Provisions: MCC 38.0560 Code Compliance and Applications, MCC 38.0015 Definitions – Parcel, MCC 38.0065 Variances from Setbacks and Buffers within the GMA, MCC 38.7600 Variance Approval Criteria, MCC 38.0110 Tribal Treaty Rights and Consultation, MCC 38.0045 Review Application Submittal Requirements

Gorge General Forestry – 20 (GGF-20): MCC 38.2025(A)(1) - Review Uses, MCC 38.2060 Dimensional Requirements, MCC 38.2090 Access, MCC 38.7305 Fire Protection in Forest Zones, MCC 38.7315 Siting of Dwellings in Forest Land

NSA Site Review Criteria, MCC 38.7015 Application for NSA Site Review, MCC 38.7035 GMA Scenic Review Criteria, MCC 38.7045 GMA Cultural Resource Review Criteria, MCC 38.7053 GMA Water Resources Review Criteria, MCC 38.7065 GMA Wildlife Review Criteria, MCC 38.7070 GMA Rare Plant Review Criteria, MCC 38.7080 GMA Recreation Resource Review Criteria

Copies of the referenced Multnomah County Code sections can be obtained by visiting our website at <https://multco.us/landuse/zoning-codes/> under the link **Chapter 38 – Columbia River Gorge National Scenic Area** or by contacting our office at (503) 988-3043.



- ❖ **DECISION MAKING PROCESS:** The Planning Director will render a decision on this application after the comment period expires. Notice of the Director's decision will be mailed to the applicant, those who submitted written comment during the comment period, those who requested the decision in writing, and the Gorge Commission. The Planning Director's decision can be appealed. An explanation of the requirements for filing an appeal will be included in the notice of decision.

- ❖ **IMPORTANT NOTE:** Failure to raise an issue before the close of the public record in sufficient detail to afford the County and all parties an opportunity to respond may preclude appeal on that issue to the Columbia River Gorge Commission.

- ❖ **ENCLOSURES:**
 - Site Plan
 - Floor Plan
 - Building Elevation

Notice to Mortgagee, Lien Holder, Vendor, or Seller:
ORS chapter 215 requires that if you receive this notice, it must promptly be forwarded to the purchaser.

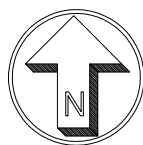
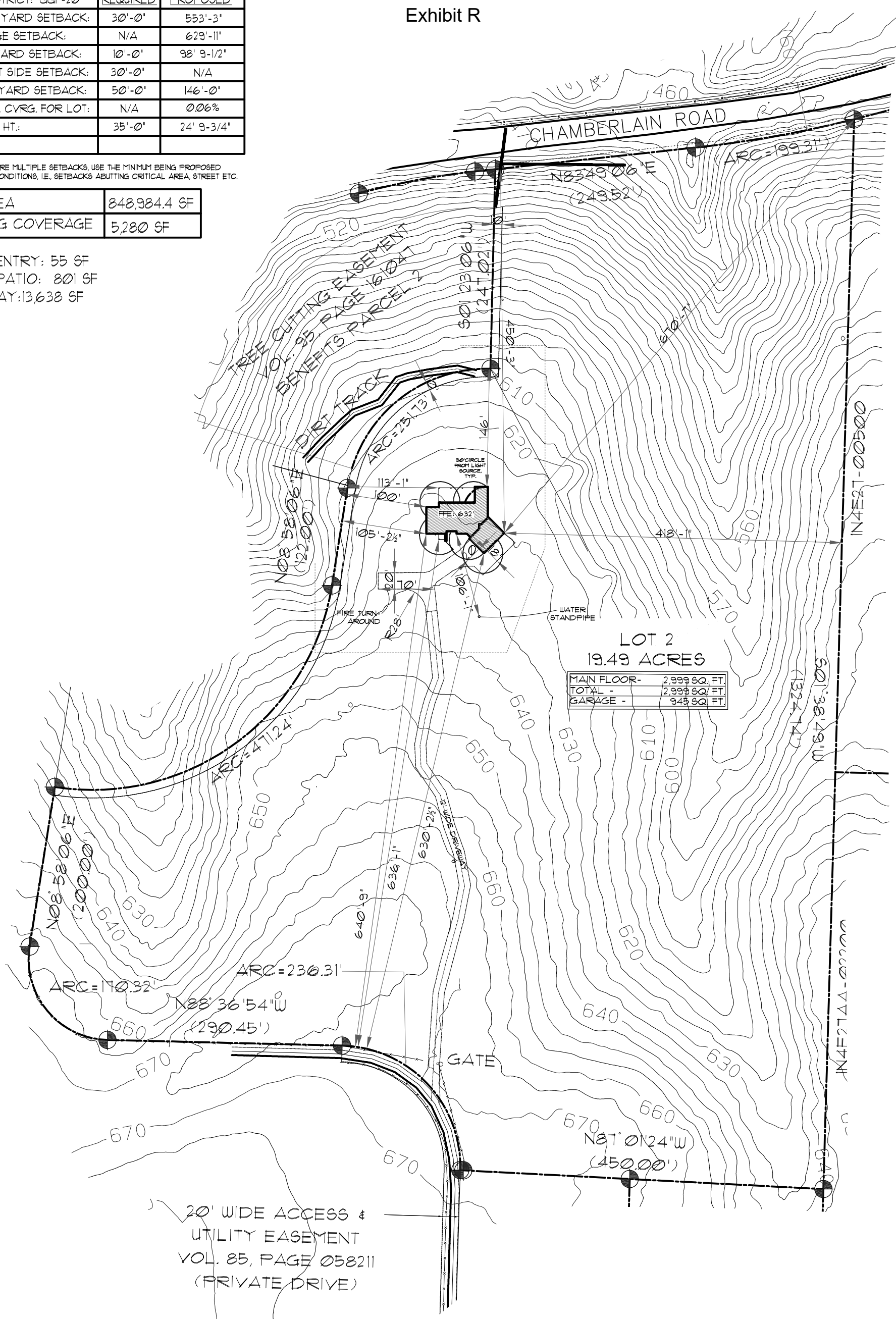
Exhibit R

ZONING DISTRICT: GGF-20	REQUIRED	PROPOSED
MIN. FRONT YARD SETBACK:	30'-0"	553'-3"
MIN. GARAGE SETBACK:	N/A	629'-11"
MIN. SIDE YARD SETBACK:	10'-0"	98' 9-1/2"
MIN. STREET SIDE SETBACK:	30'-0"	N/A
MIN. REAR YARD SETBACK:	50'-0"	146'-0"
MAX BLDG. CVRG. FOR LOT:	N/A	0.06%
MAX BLDG. HT.:	35'-0"	24' 9-3/4"
OTHER**:		

* IF THERE ARE MULTIPLE SETBACKS, USE THE MINIMUM BEING PROPOSED
 ** SPECIAL CONDITIONS, I.E., SETBACKS ABUTTING CRITICAL AREA, STREET ETC.

LOT AREA	848,984.4 SF
BUILDING COVERAGE	5,280 SF

COVID ENTRY: 55 SF
 COVID PATIO: 801 SF
 DRIVEWAY: 13,638 SF



SITE PLAN

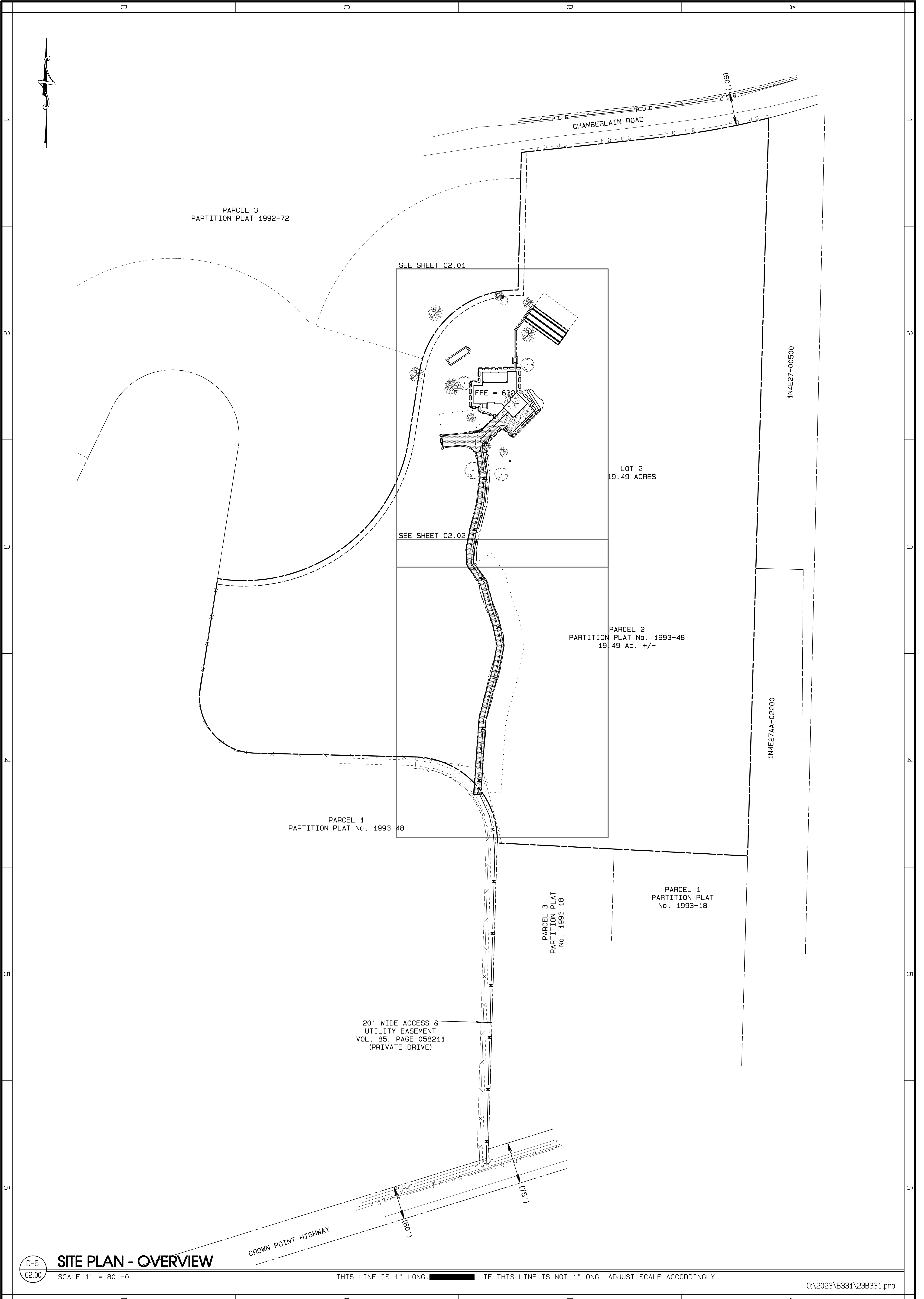
SCALE : 1"=120'

PLAN NAME:	2,999
DRAWN:	EDRAFT
PLOT:	09.07.22
SCALE:	1"-120'

NE CHAMERLAIN RD
KAMENKO SITE
 CORBETT, OR

DRAFTING CORP
 Your new home starts here

Exhibit S



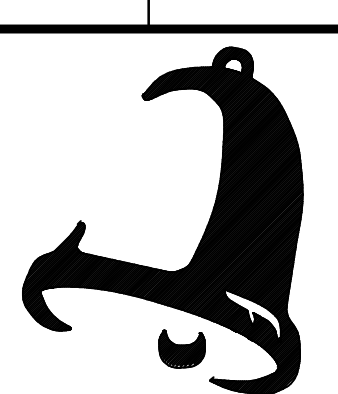
D-6 SITE PLAN - OVERVIEW
 C2.00 SCALE 1" = 80'-0"

THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY

O:\2023\B331\23B331.prd

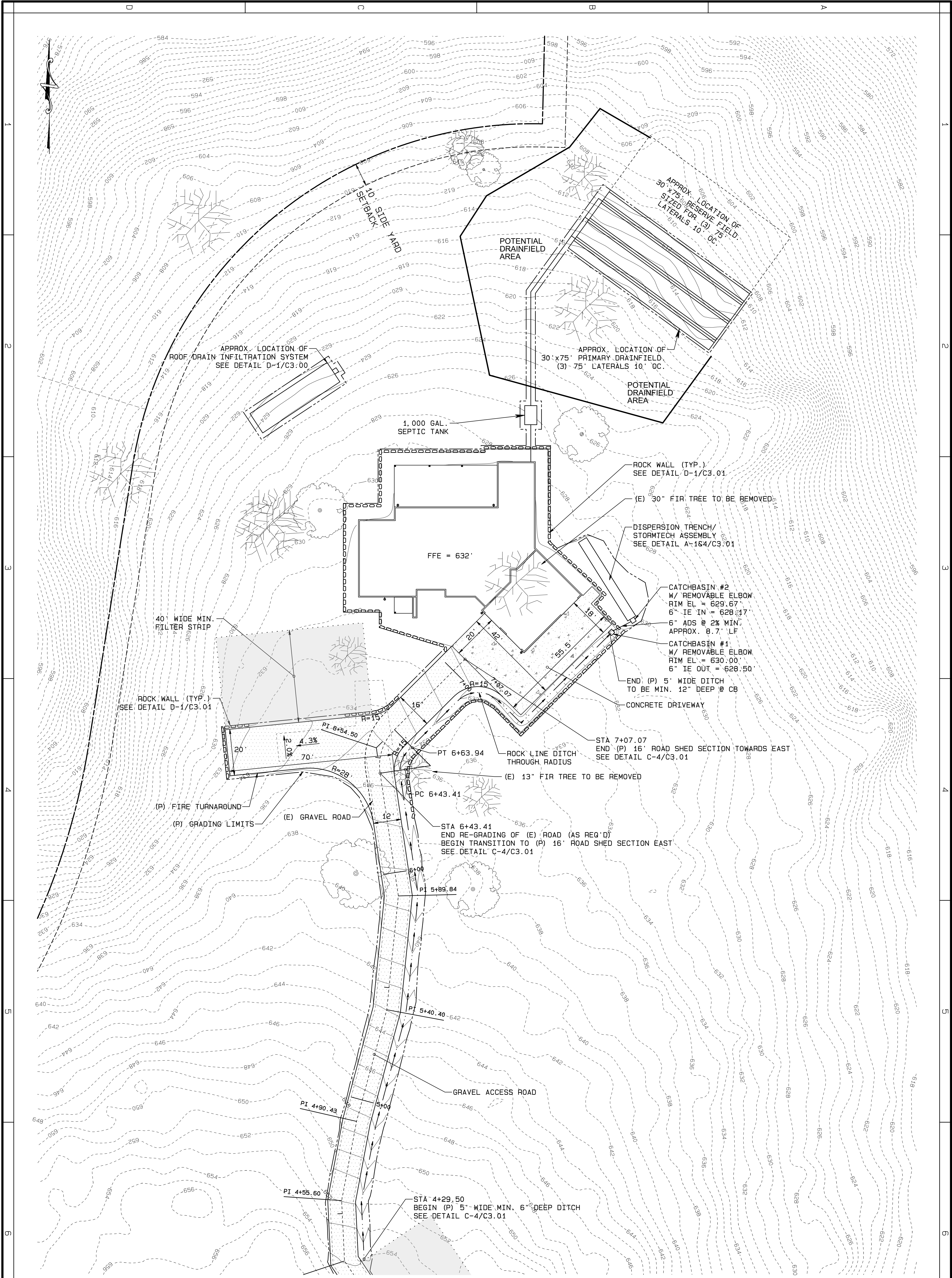
SHEET NO. **C200**
 OF 6 SHEETS
 REGISTERED PROFESSIONAL ENGINEER
 RISTON ANDREWS
 MARCH 08, 2022
 OREGON
 99681 PE
 EXPIRES: 12-31-25
 DATE: 2/22/24
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: [Date]
 REVISIONS: 1
 4/14/24

JOB NO. 23B331
 SITE PLAN
KAMENKO RESIDENCE
 CORBETT OREGON



BELL DESIGN CO.
 Civil Engineering & Land Surveying
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 PHONE (509) 493-3886 belldesigncompany.com

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D-6 SITE PLAN - NORTH

SCALE 1" = 20'-0" CONTOURS AT 1 FOOT INTERVALS

THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY

O:\2023\B331\23B331.prd

SHEET NO. **C201** OF 6 SHEETS

EXPIRES: 12-31-25

REGISTERED PROFESSIONAL ENGINEER
99681 PE
RISTON ANDREWS
MAY 08, 2022
OREGON

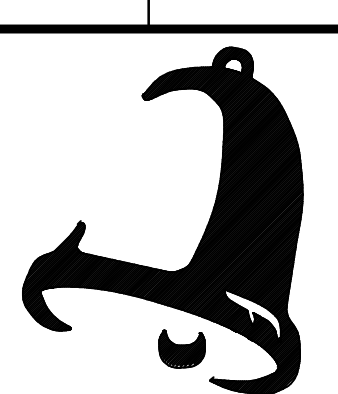
REGISTERED PROFESSIONAL ENGINEER
99681 PE
RISTON ANDREWS
MAY 08, 2022
OREGON

DATE: 2/22/24
DRAWN BY: [REDACTED]
CHECKED BY: [REDACTED]
DATE: 4/17/24
REVISED: 1

JOB NO: 23B331

SITE PLAN
KAMENKO RESIDENCE

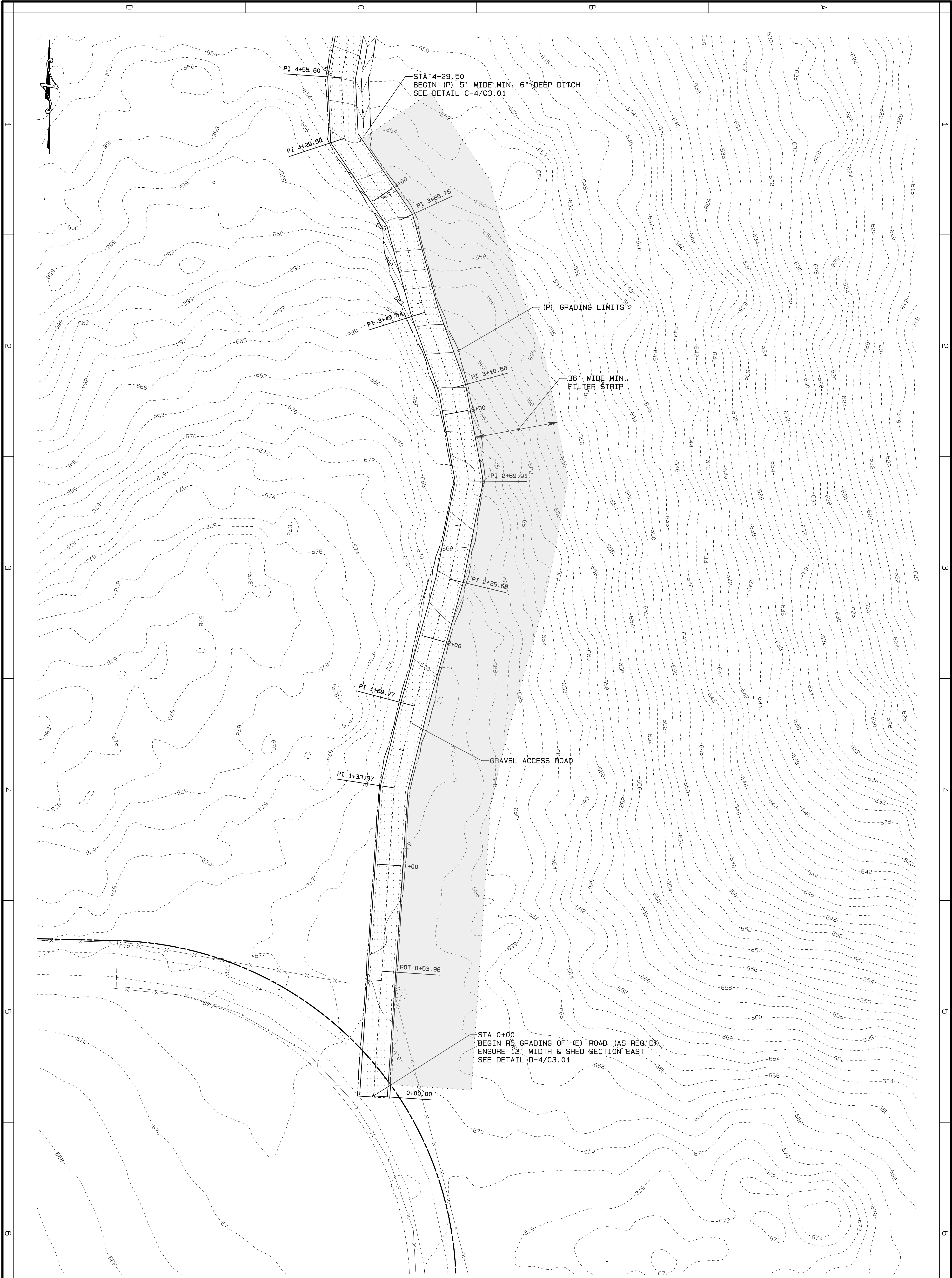
CORBETT OREGON



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D-6 SITE PLAN - SOUTH

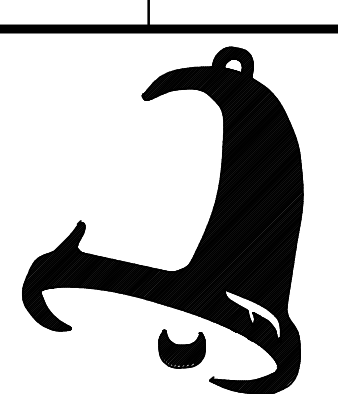
SCALE 1" = 20'-0" CONTOURS AT 1 FOOT INTERVALS THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY

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SHEET NO. **C202**
 OF 6 SHEETS
 REGISTERED PROFESSIONAL ENGINEER
 9968141E
 OREGON
 MARCH 08, 2022
 RYAN ANDREWS
 EXPIRES: 12-31-25

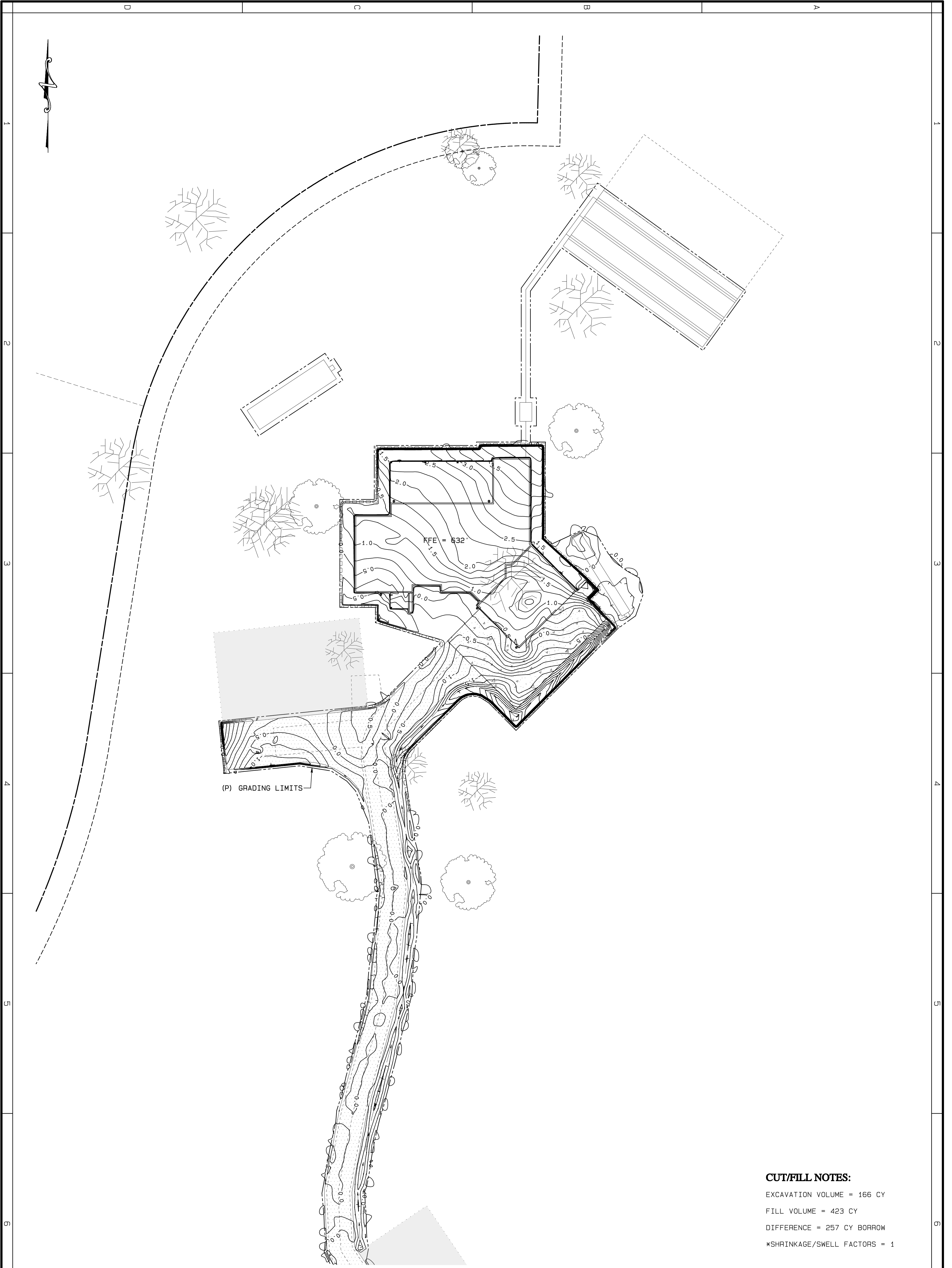
JOB NO. 23B331
 DATE 2/22/24
 DRAWN BY CHECKED BY
 HDA DAB
 REVISIONS DATE DATE

SITE PLAN
KAMENKO RESIDENCE
 CORBETT OREGON



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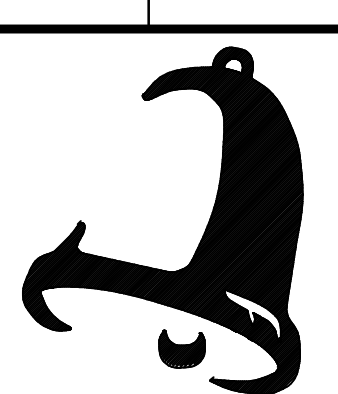


CUT/FILL NOTES:
 EXCAVATION VOLUME = 166 CY
 FILL VOLUME = 423 CY
 DIFFERENCE = 257 CY BORROW
 *SHRINKAGE/SWELL FACTORS = 1

D-6 GRADING CUT/FILL CONTOURS - NORTH
 SCALE 1" = 20'-0" CONTOURS AT 0.25 FOOT INTERVALS THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY
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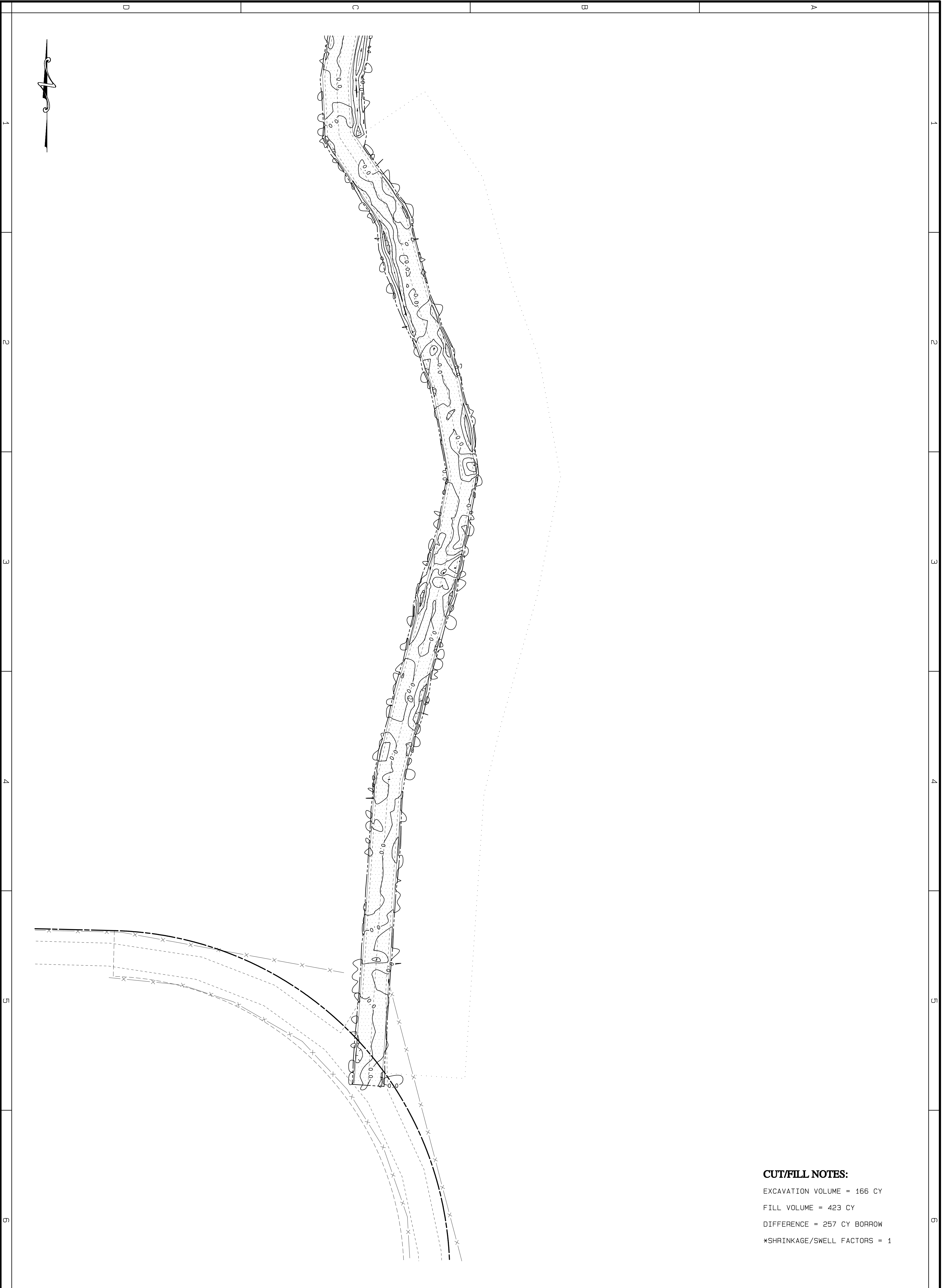
SHEET NO. **C203**
 OF 6 SHEETS
 EXPIRES: 12-31-25

GRADING CUT/FILL CONTOURS
KAMENKO RESIDENCE
 CORBETT OREGON
 JOB NO. 23B331
 DATE 2/22/24
 DRAWN BY TDA
 CHECKED BY TDA
 DATE 4/4/24
 REVISIONS 1



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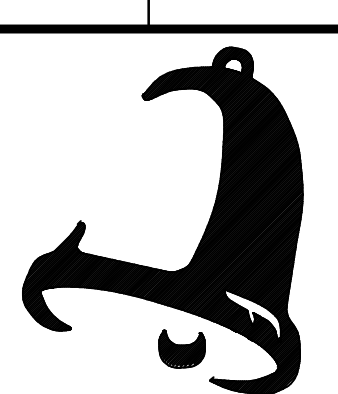
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 SCALE 1" = 20'-0" CONTOURS AT 0.25 FOOT INTERVALS THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY
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SHEET NO. **C204**
 OF 6 SHEETS
 EXPIRES: 12-31-25
 REGISTERED PROFESSIONAL ENGINEER
 996819E
 MARCH 08, 2022
 RYSTON ANDREWS
 OREGON

JOB NO. 23B331
 DATE 2/22/24
 DRAWN BY CHECKED BY
 HDA HDA
 REVISIONS DATE DATE

GRADING CUT/FILL CONTOURS
KAMENKO RESIDENCE
 CORBETT OREGON



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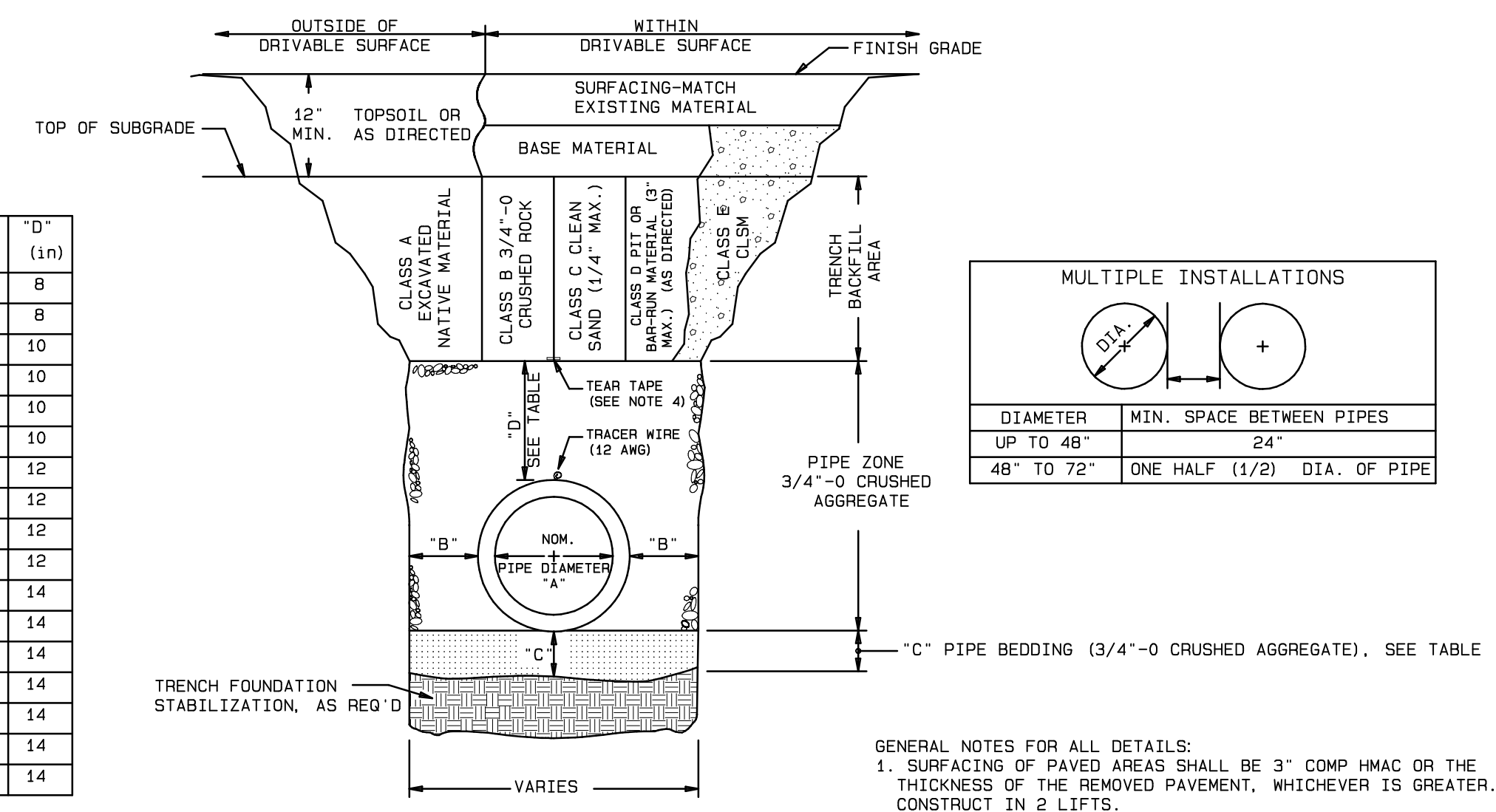
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1. ALL TRENCH EXCAVATION AND PIPE INSTALLATION SHALL CONFORM TO MULTNOMAH COUNTY STANDARDS AND ODOT STANDARD SPECIFICATIONS. ALL EXCESS MATERIAL FROM THE TRENCH EXCAVATION SHALL BE DISPOSED OF ON AN APPROVED SITE.
2. PIPE RULES:
 - A. WATERTIGHT GASKETS ARE REQUIRED ON ALL PIPE SIZES.
 - B. ALL GRAVITY SANITARY SEWER PIPE AND FITTINGS 4 INCHES THROUGH 15 INCHES IN DIAMETER SHALL BE GREEN PVC SDR 35 ASTM D3034 WITH GASKETED BELL END. ALL SANITARY SEWER PIPE AND FITTINGS 18 INCHES THROUGH 27 INCHES IN DIAMETER SHALL BE GREEN PVC SDR 35 ASTM F679 WITH GASKETED BELL END. ALL INSTALLED PIPES MUST BE AIR PRESSURE TESTED. USE OF "CONCRETE" OR OTHER PLASTIC PIPE FOR SEWER MAINS AND LATERALS IS NOT ALLOWED.
3. PIPE BEDDING, PIPE ZONE MATERIAL AND TRENCH BACKFILL SHALL BE AN APPROVED GRANULAR MATERIAL 3/4" - MINUS CRUSHED ROCK (U.N.O.). SAND BACKFILL IS NOT ALLOWED.
4. PIPE SHALL BE BEDDED WITH A MINIMUM OF 6 INCHES OF APPROVED GRANULAR MATERIAL.
5. TRENCH BACKFILL SHALL BE "CLASS B" (U.N.O.).
6. TRENCH COMPACTION SHALL BE PER WSDOT STANDARD SPECIFICATIONS. CONTRACTOR TO DETERMINE THE TYPE OF EQUIPMENT AND METHOD TO ACHIEVE THE REQUIRED COMPACTION. EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE A.A.S.H.T.O. T-180 TEST METHOD.
7. COVER SHALL BE AS SHOWN ON PLANS. MINIMUM COVER SHALL BE 24" FROM FINISHED GRADE TO TOP OF PIPE.
8. SETTLEMENT OF THE FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A RESULT OF IMPROPER COMPACTION, AND SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY AND OWNER.
9. UNLESS NOTED OTHERWISE, MANHOLE WALLS SHALL BE PRECAST REINFORCED CONCRETE MANHOLES OF THE SIZE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS FOR THE PIPE SIZES AND NUMBER OF OPENINGS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE, PROVIDE, AND MAINTAIN TEMPORARY BRACING NEEDED TO COMPLETE SEWER INSTALLATION. EXCESSIVE TRENCH WIDTH DUE TO LACK OF SHORING AND BRACING SHALL BE FILLED WITH STRUCTURAL BACKFILL AT CONTRACTOR'S SOLE EXPENSE.
11. THE CONTRACTOR SHALL LOCATE & DISCONNECT ALL CROSS CONNECTIONS THAT ARE ENCOUNTERED DURING UTILITY CONSTRUCTION. MAINTAIN ALL SERVICE FLOWS. BY-PASS AS REQUIRED UNTIL CUT-OVER.
12. 12 GAUGE INSULATED GREEN LOCATE WIRE SHALL BE PLACED DIRECTLY OVER ALL SEWER MAINS AND SERVICE LATERALS. THE LOCATE WIRE SHALL BE ACCESSIBLE AT ALL VALVES, RISERS, MANHOLES, AND SERVICE BOXES. ALL SPLICES AND CONNECTIONS TO TONING WIRE SHALL BE PROTECTED WITH KING GEL CAPS OR AN APPROVED EQUAL.
13. COUNTY OBSERVATION AND TRACER WIRE TESTING IS REQUIRED PRIOR TO PAVING.
14. ALL MATERIAL INSPECTIONS AND TESTS ARE TO BE IN ACCORDANCE WITH MULTNOMAH COUNTY AND/OR ODOT STANDARD SPECIFICATIONS, WHICHEVER IS MOST RESTRICTIVE. ALL SECTIONS FAILING TO PASS THE REQUIRED TESTS AND INSPECTIONS SHALL BE LOCATED AND REPAIRED. AFTER REPAIR, THESE SECTIONS SHALL BE RE-TESTED AND INSPECTED UNTIL FOUND ACCEPTABLE.
15. LAMPING AND MANDREL TESTING OF MAINLINE IS REQUIRED PER HRC STANDARDS.
16. ALL TESTS MUST BE WITNESSED AND PASSED BY THE COUNTY AND/OR ITS AUTHORIZED AGENTS.
17. WORK HOURS SHALL BE 7:00 AM TO 6:00 PM MONDAY - FRIDAY EXCLUDING HOLIDAYS.
18. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTS AT ALL TIMES DURING CONSTRUCTION.
19. ROOF DRAIN LOCATIONS NOT SHOWN ON PLANS, CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION. BDC RECOMMENDS A 4" ROOF DRAIN CONVEYENCE SYSTEM @ A MIN. 2% SLOPE. BDC RECOMMENDS CLEANOUTS AT ALL HORIZONTAL BENDS. FINAL DESIGN BY PLUMBING CONTRACTOR, COORDINATE W/ ENGINEER.
20. INFILTRATION BED LOCATION SHOWN ON PLANS IS APPROXIMATE, CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION. MUST BE LOCATED A MIN. 10 FT FROM PROPERTY LINES, BUILDING FOUNDATIONS, AND DRAINFIELDS. MAY NOT BE PLACED WITHIN A WELL PROTECTION ZONE. MAY NOT BE PLACED ON OR ABOVE A LANDSLIDE HAZARDOUS AREA OR ON SLOPES GREATER THAN 15% WITHOUT EVALUATION BY A LICENSED ENGINEER IN THE STATE OF OR W/ GEOTECHNICAL EXPERTISE. FINAL LOCATION BY PLUMBING CONTRACTOR, COORDINATE W/ ENGINEER.
21. ADEQUATE PERIMETER FOUNDATION DRAINS, SUBGRADE WATERPROOFING, AND VAPOR BARRIER TO BE DETERMINED PER THE FOUNDATION DESIGN ENGINEER.

TABLE

"A" (ln)	"B" (ln)	"C" (ln)	"D" (ln)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
24	18	6	12
30	18	6	12
36	24	6	14
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54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

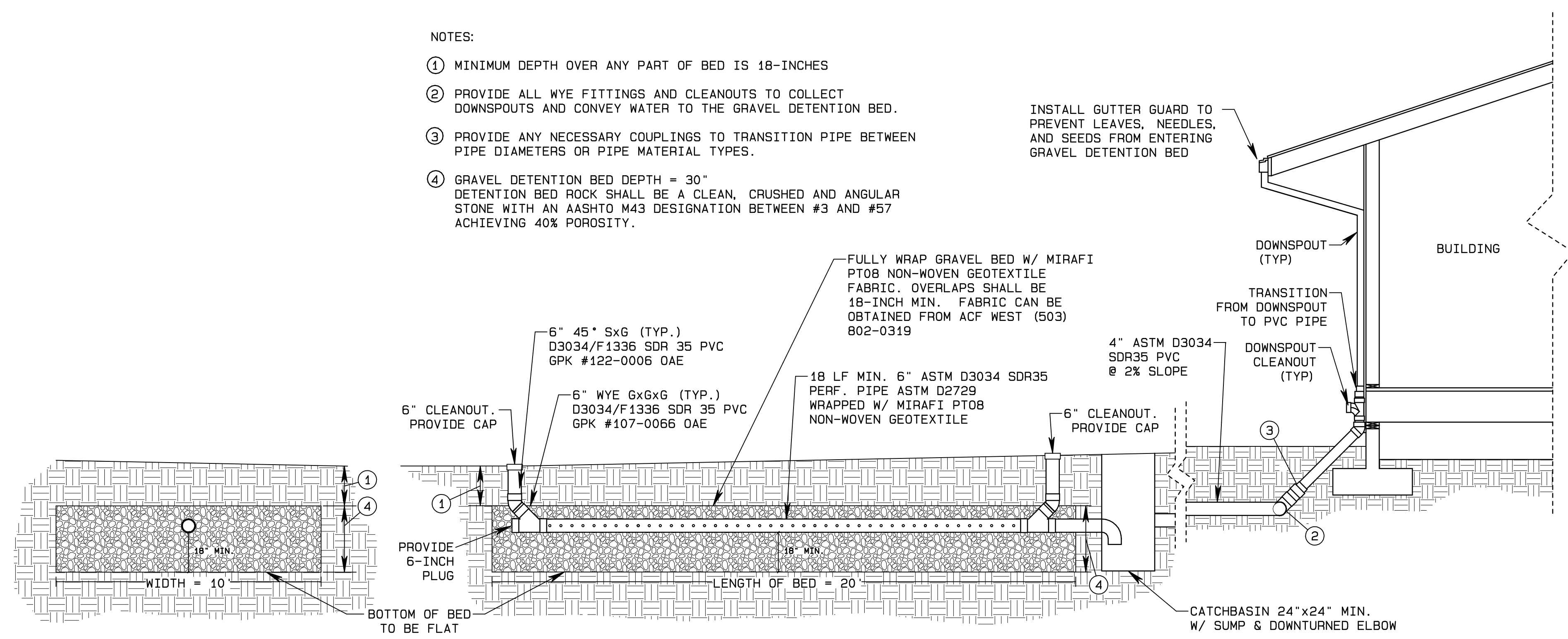


- GENERAL NOTES FOR ALL DETAILS:
1. SURFACING OF PAVED AREAS SHALL BE 3" COMP HMAC OR THE THICKNESS OF THE REMOVED PAVEMENT, WHICHEVER IS GREATER. CONSTRUCT IN 2 LIFTS.
 2. FOR PIPE INSTALLATION IN IMBANKMENT AREAS WHERE THE TRENCH METHOD WILL NOT BE USED AND THE PIPE IS $\geq 36"$ IN DIAMETER, INCREASE DIMENSION "B" TO NOMINAL PIPE DIAMETER.
 3. PIPES OVER 72" DIAMETER ARE STRUCTURES, AND ARE NOT APPLICABLE TO THIS DRAWING.
 4. DETECTABLE, COLOR CODED, 6" WIDE MARKING TAPE.

B-1
 C3.00
 NOTES
 NTS

B-4
 C3.00
 PIPE TRENCHING DETAIL
 NTS

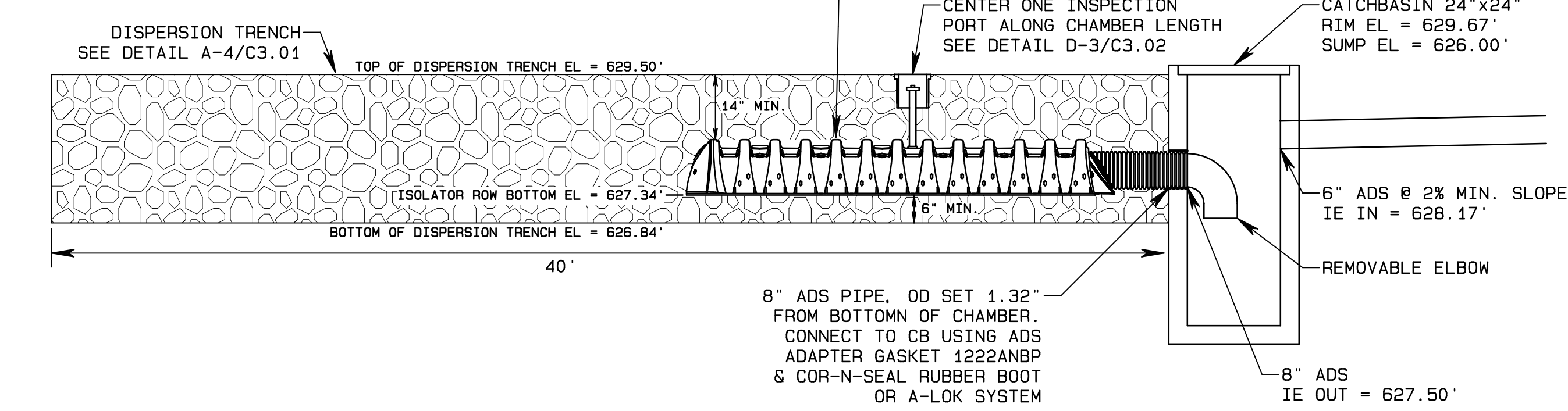
- NOTES:
- ① MINIMUM DEPTH OVER ANY PART OF BED IS 18-INCHES
 - ② PROVIDE ALL WYE FITTINGS AND CLEANOUTS TO COLLECT DOWNSPOUTS AND CONVEY WATER TO THE GRAVEL DETENTION BED.
 - ③ PROVIDE ANY NECESSARY COUPLINGS TO TRANSITION PIPE BETWEEN PIPE DIAMETERS OR PIPE MATERIAL TYPES.
 - ④ GRAVEL DETENTION BED DEPTH = 30" DETENTION BED ROCK SHALL BE A CLEAN, CRUSHED AND ANGULAR STONE WITH AN AASHTO M43 DESIGNATION BETWEEN #3 AND #57 ACHIEVING 40% POROSITY.



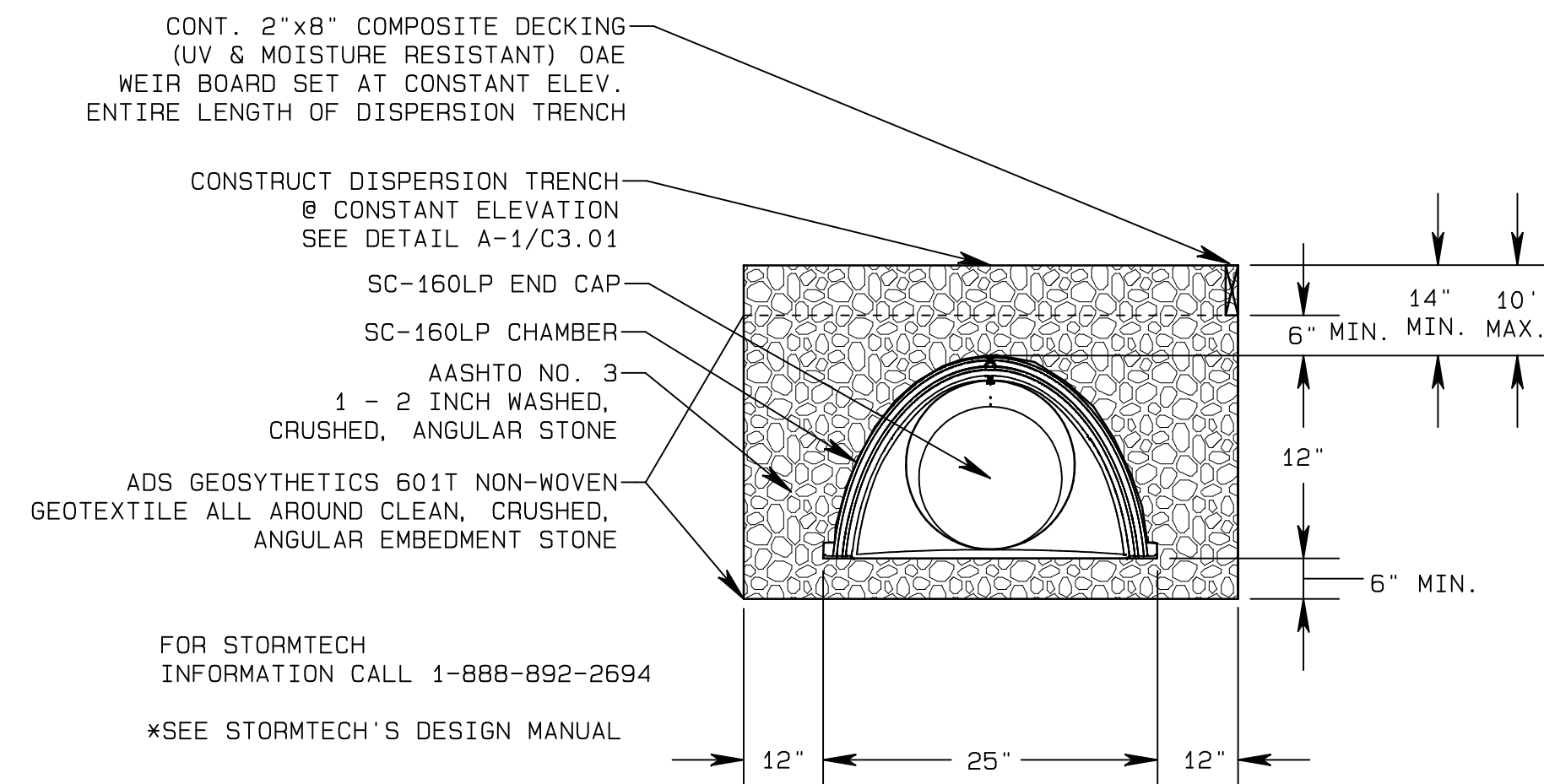
D-1
 C3.00
 ROOF DOWNSPOUT INFILTRATION FACILITY
 NTS

THIS LINE IS 1" LONG. ██████████ IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY

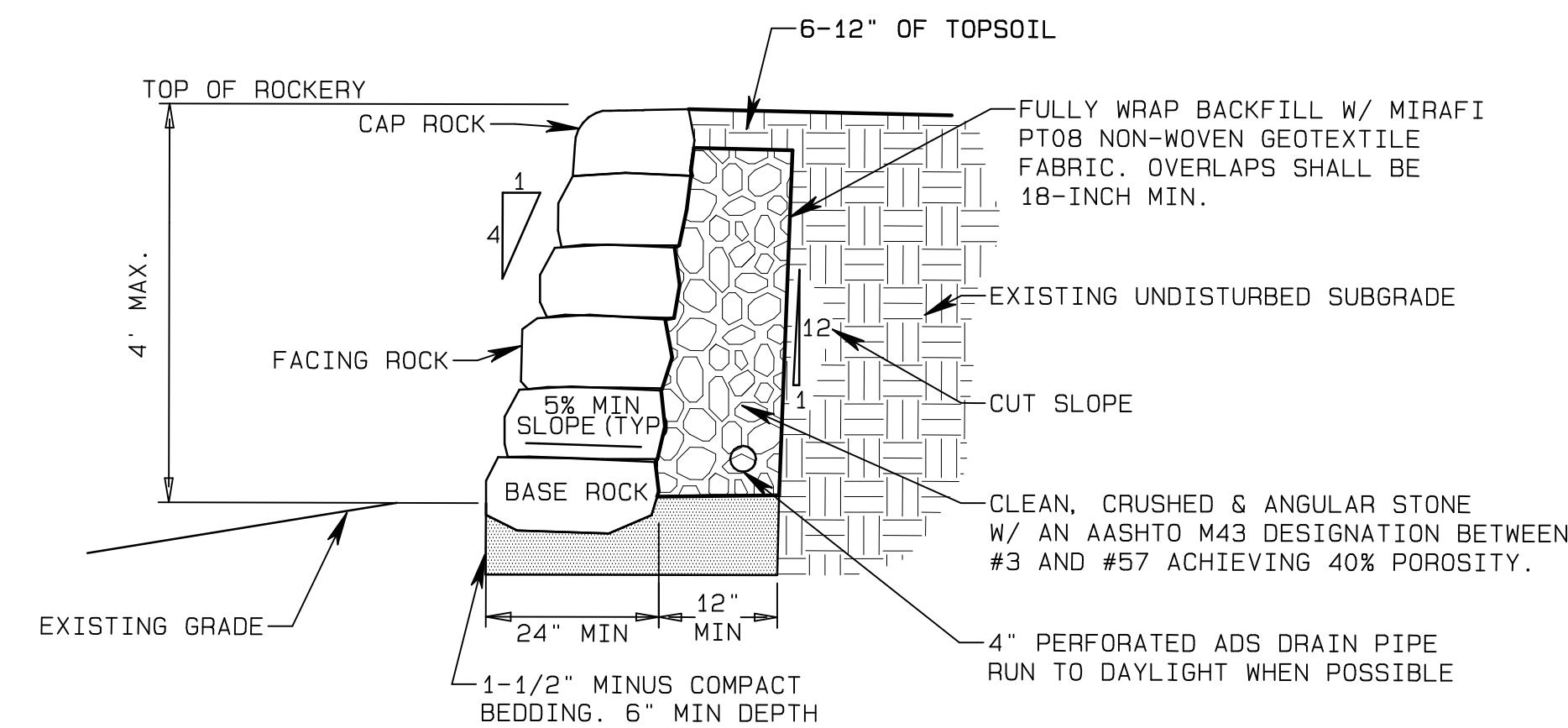
STORMTECH SC-160LP UNIT DIMENSIONS 85.4" x 25.0" x 12.0", USE 1 CHAMBER.
SEE TYPICAL DETAILS SHEET C3.02



A-1
C3.01
DISPERSION TRENCH/STORMTECH ASSEMBLY - PROFILE
NTS

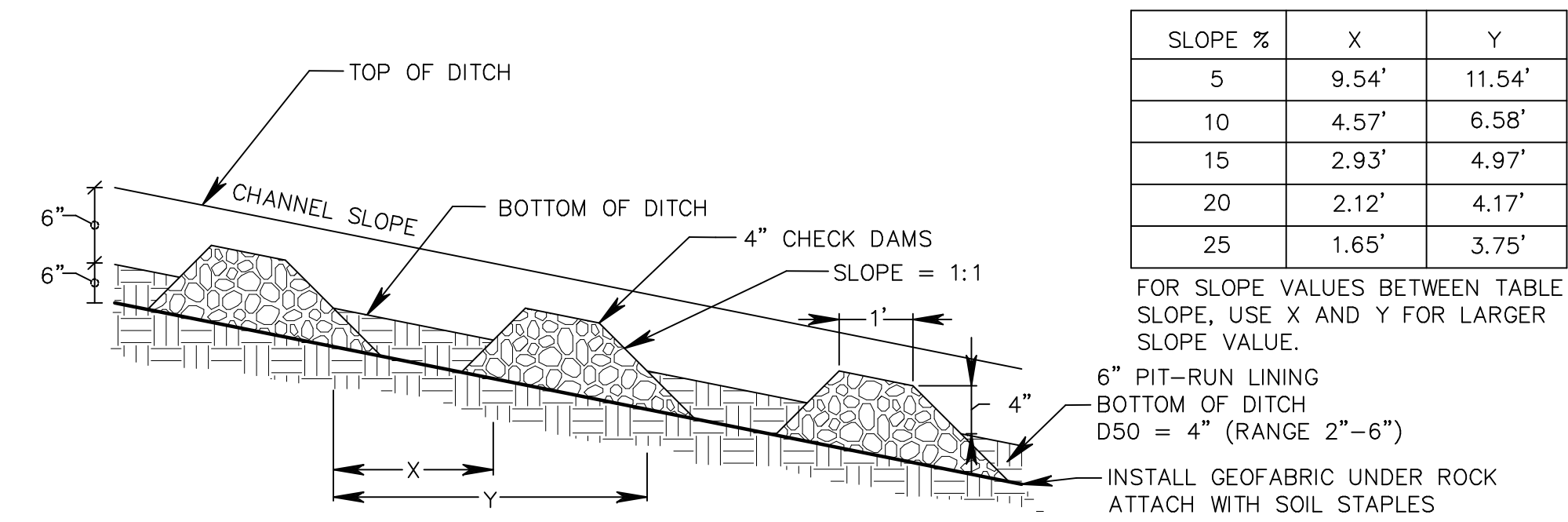


A-4
C3.01
DISPERSION TRENCH/STORMTECH ASSEMBLY - SECTION
NTS

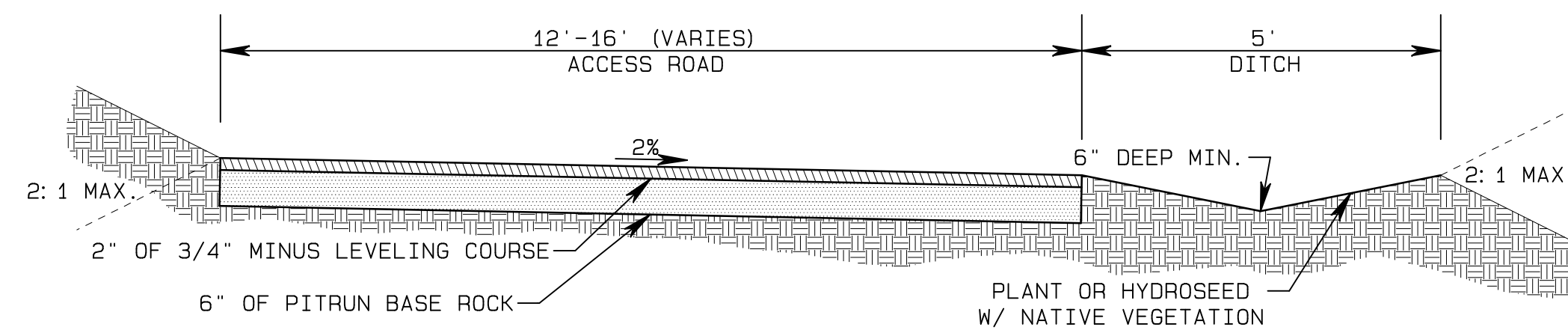


1. CONSTRUCT ROCKERY AND PLACE BASE, FACING, AND CAP ROCKS ACCORDING TO THIS DETAIL. PLACE EACH ROCK INDIVIDUALLY BY EQUIPMENT SUITABLE FOR LIFTING, MANIPULATING, AND PLACING ROCKS OF THE SIZE AND SHAPE SPECIFIED. ENSURE THAT EACH ROCK IS FIRMLY SET AND SUPPORTED BY UNDERLYING MATERIALS AND ADJACENT ROCKS. REPOSITION OR REPLACE LOOSE ROCKS.
2. A MAXIMUM TOLERANCE OF 6" MAY BE APPLIED TOWARD THE TOTAL BASE ROCK WIDTH. USE ROCK WITH MINIMUM LENGTH OF 36". WHEN LENGTH EXCEEDS 67", TWO APPROXIMATELY EQUAL SIZE BASE ROCKS MAY BE USED, PROVIDED ROCKS ARE IN CONTACT AT TWO POINTS OR MORE. DO NOT CONSECUTIVELY PLACE BASE ROCKS WITH WIDTHS LESS THAN B=18".
3. PLACE BASE, FACING, AND CAP ROCKS SO THAT THEIR HEIGHT DIMENSION IS NOT GREATER THAN THEIR WIDTH. THE LONGEST DIMENSION OF THE BASE, FACING AND CAP ROCKS IS PERPENDICULAR TO FACE OF ROCKERY.
4. WHERE LOOSE, SOFT, OR OTHERWISE UNSUITABLE FOUNDATION SOIL CONDITIONS ARE ENCOUNTERED, CONTACT THE RE FOR SUPPLEMENTAL RECOMMENDATIONS.
5. STABILITY OF TEMPORARY CUT SLOPES IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. DO NOT CONSTRUCT ROCKERIES OR SLOPES EXCEEDING THE HEIGHTS SHOWN ON THE ROCKERY DESIGN SCHEDULE WITHOUT PRIOR WRITTEN APPROVAL BY THE RE.
7. CONSTRUCT ROCKERIES PARALLEL TO PATH OR PL UNLESS OTHERWISE NOTED.
8. WHEN CONSTRUCTED ADJACENT TO DITCH, BOTTOM OF BASE ROCK TO BE SET AT THE BOTTOM OF DITCH ELEVATION.

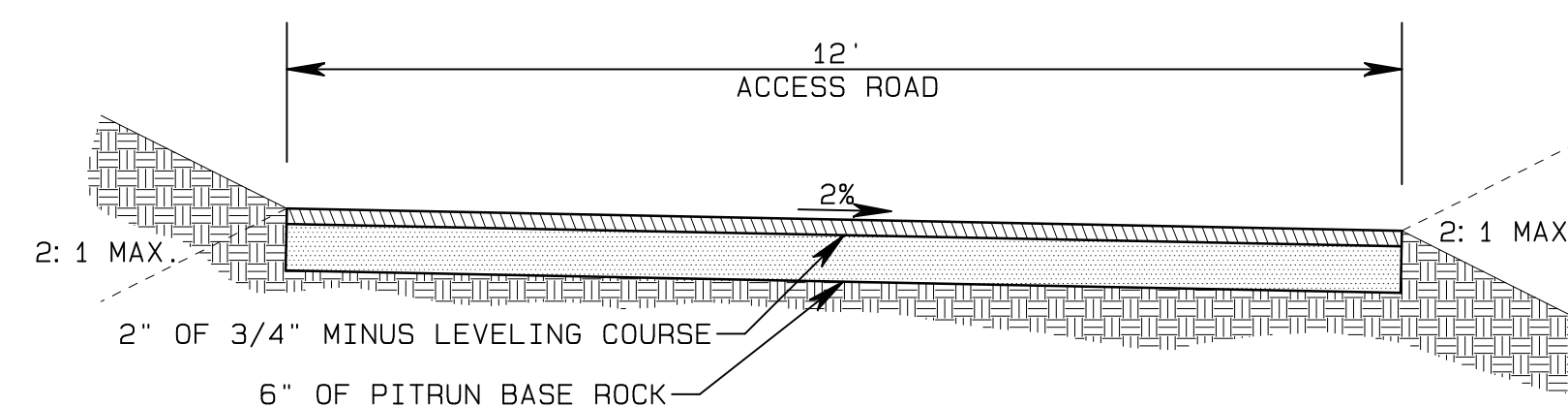
D-1
C3.01
ROCK WALL
NTS THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY



B-4
C3.01
CHECK DAMS
NTS



C-4
C3.01
ACCESS ROAD - STA 4+29.50 TO 6+81.72
NTS

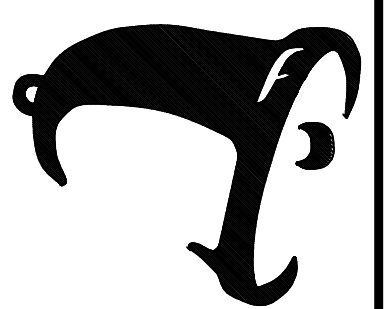


D-4
C3.01
ACCESS ROAD - STA 0+00 TO 4+29.50
NTS

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PHONE (509) 493-3886
belldesigncompany.com



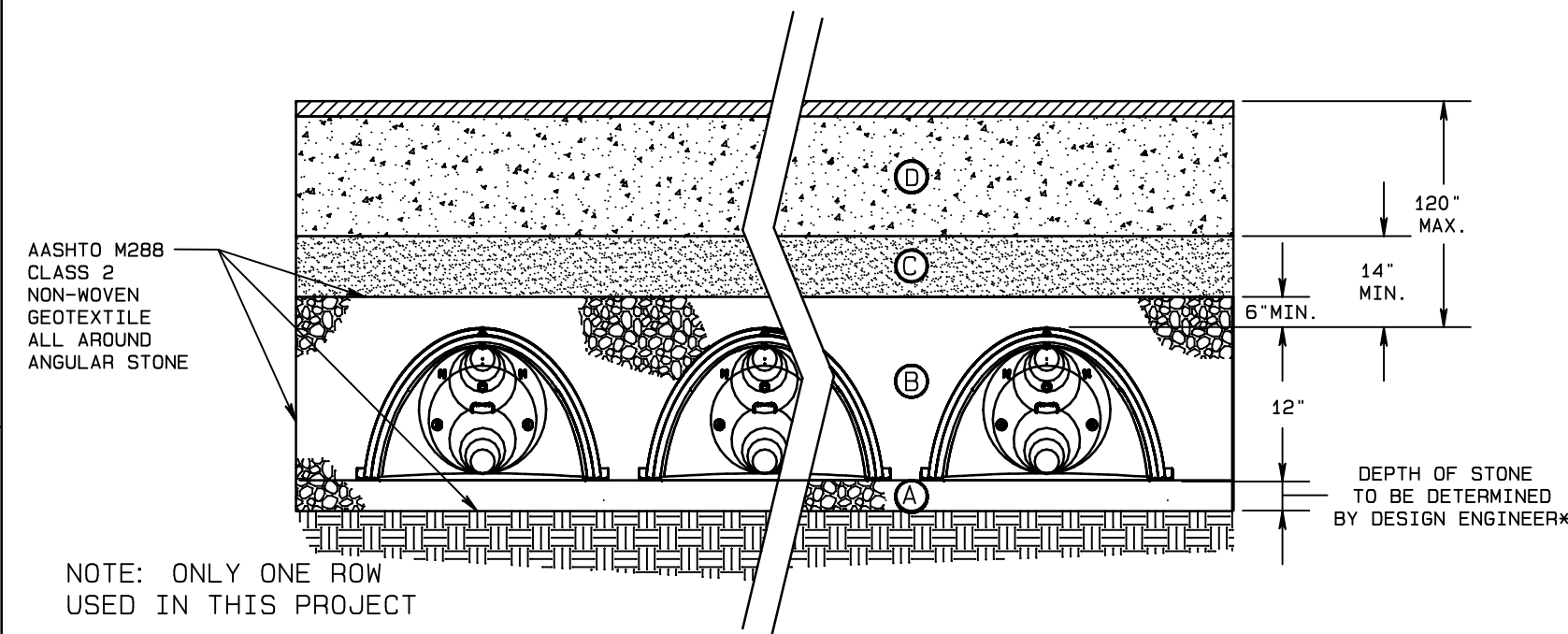
DETAILS
KAMENKO RESIDENCE
CORBETT OREGON

JOB NO. 23B331
DATE 2/22/24
DRAWN BY RBA CHECKED BY DAB
REVISIONS DATE

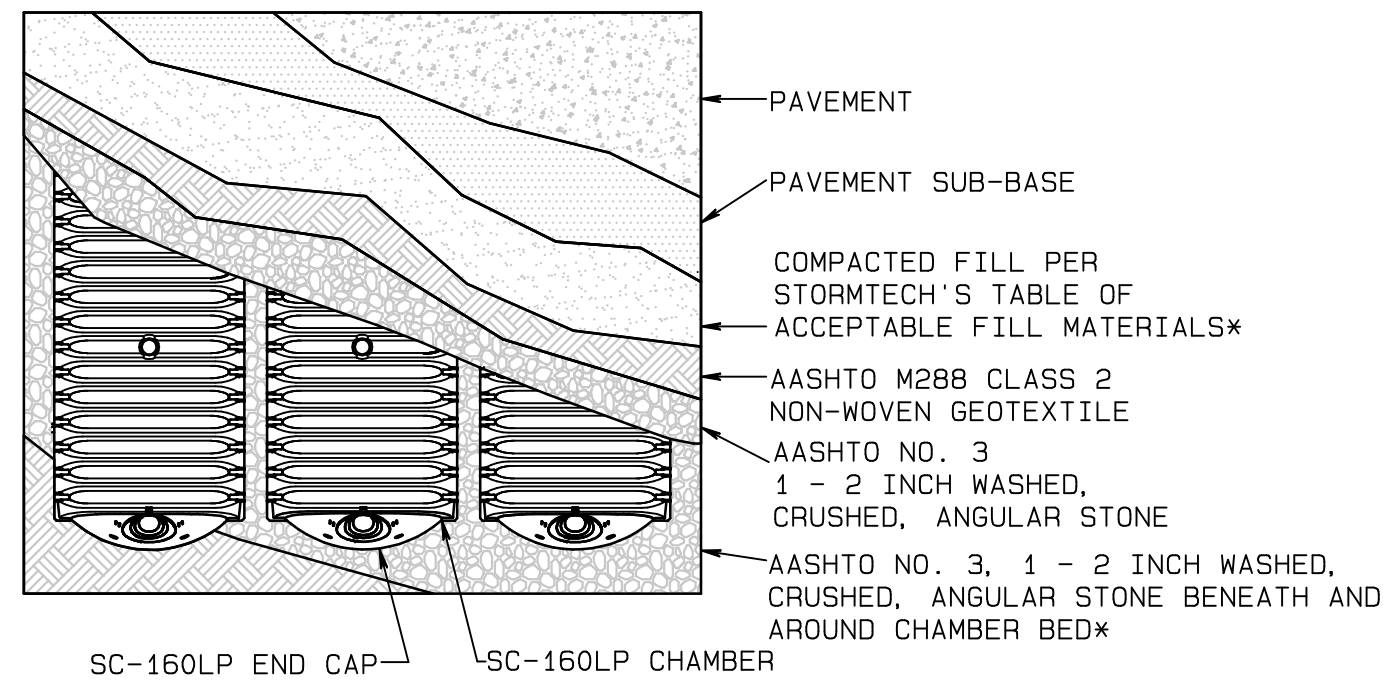


EXPIRES: 12-31-25
SHEET NO. C3.01 OF SHEETS

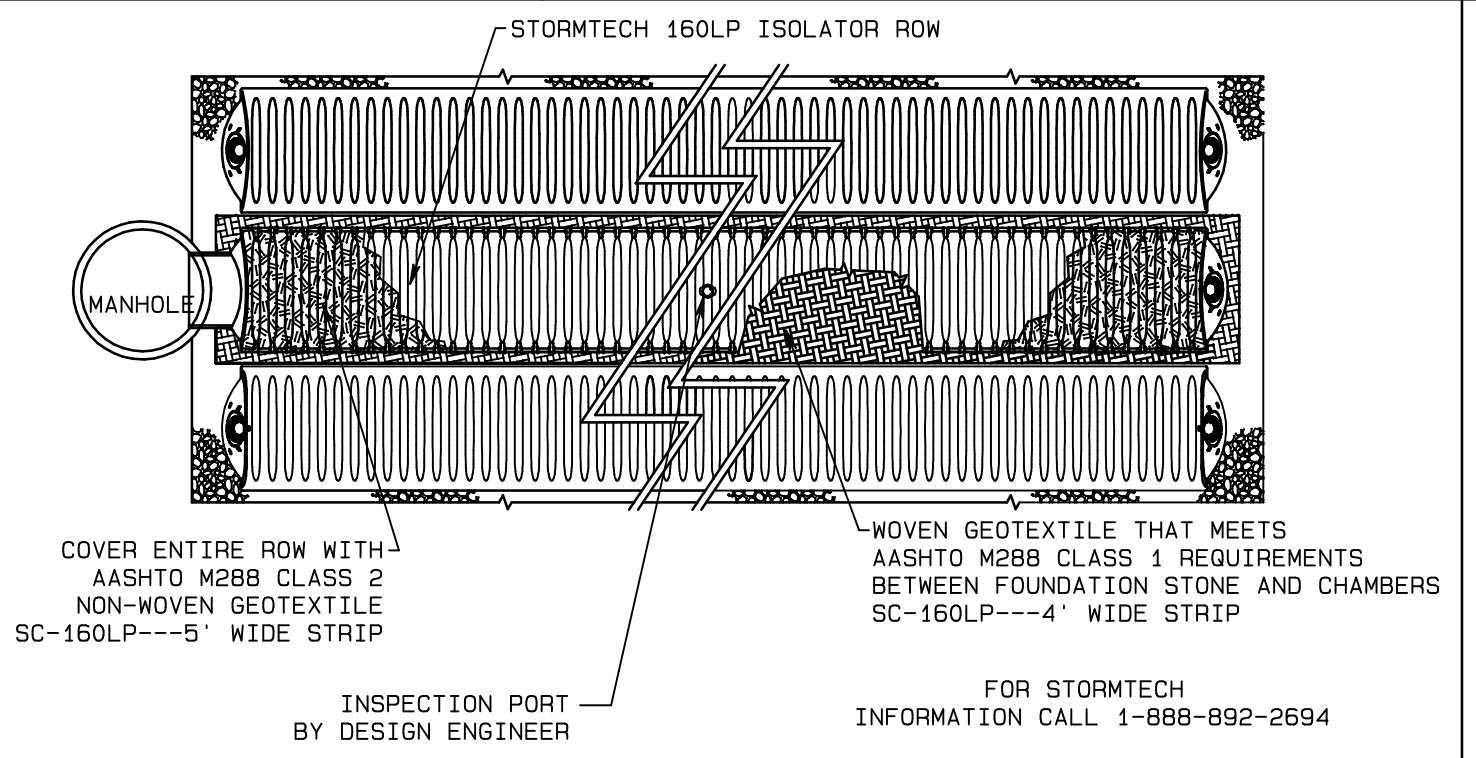
MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	AASHTO M145 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
① FILL MATERIAL FROM 18" TO GRADE ABOVE CHAMBERS	ANY SOIL/ROCK MATERIALS, NATIVE SOILS OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
② FILL MATERIAL FOR 6" TO 18" ELEVATION ABOVE CHAMBERS (24" FOR UNPAVED INSTALLATIONS)	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES.	3, 357, 4, 467 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	A-1 A-2 A-3	COMPACT IN 6" LIFTS TO A MINIMUM 95% STANDARD PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.
③ EMBEDMENT STONE SURROUNDINGS AND TO A 6" ELEVATION ABOVE CHAMBERS	WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4" - 2" INCH	3, 357, 4, 467 5, 56, 57	N/A	NO COMPACTION REQUIRED
④ FOUNDATION STONE BELOW CHAMBERS	WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4" - 2" INCH	3, 357, 4, 467 5, 56, 57	N/A	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY



B-1 **STORMTECH SC-160LP CHAMBER SYSTEM ACCEPTABLE FILL MATERIALS**
SCALE: NTS

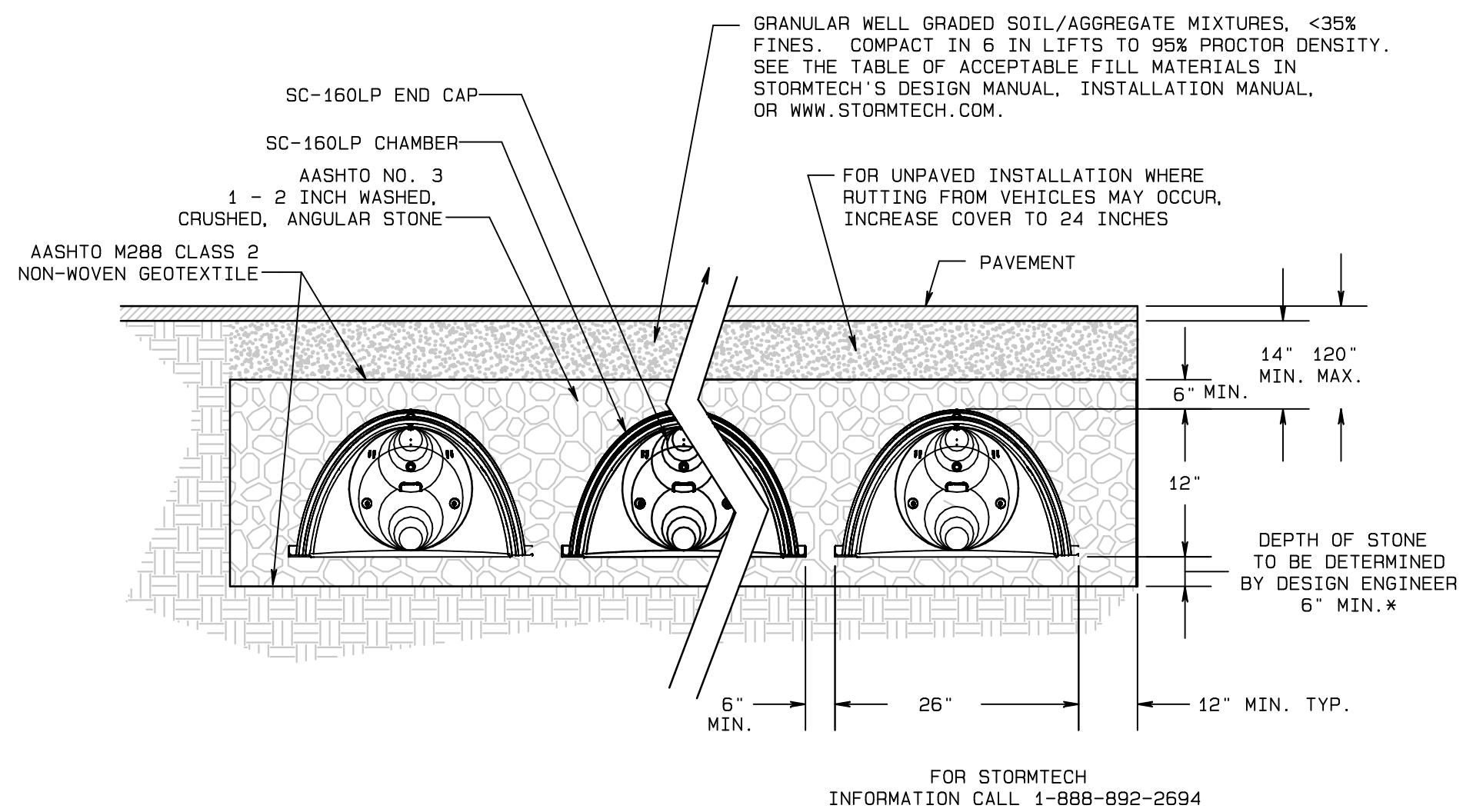


A-3 **STORMTECH SC-160LP CHAMBER SYSTEM TYPICAL PLAN VIEW**
SCALE: NTS

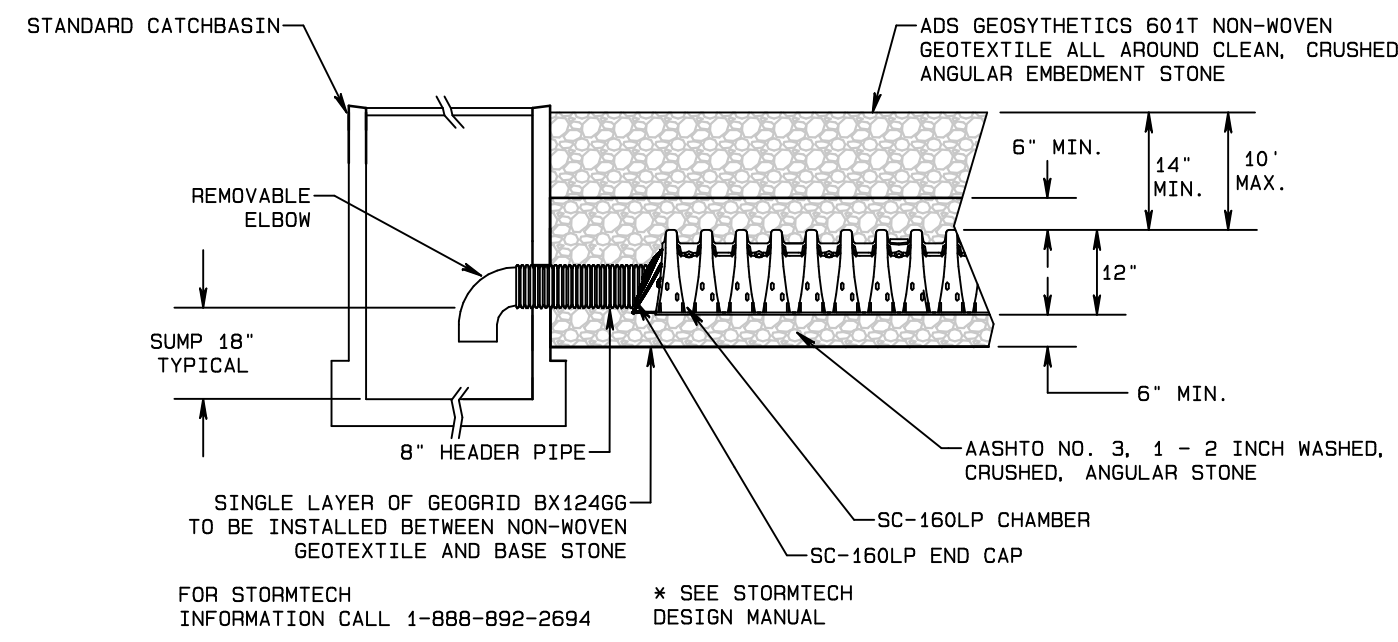


A-5 **PLAN VIEW ISOLATOR ROW TYPICAL DETAIL**
SCALE: NTS

- STORMTECH LLC ("STORMTECH") REQUIRES INSTALLING CONTRACTORS TO USE AND UNDERSTAND STORMTECH'S LATEST INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION.
- OUR TECHNICAL SERVICES DEPARTMENT OFFERS INSTALLATION CONSULTATIONS TO INSTALLING CONTRACTORS. CONTACT OUR TECHNICAL SERVICES REPRESENTATIVE AT LEAST 30 DAYS PRIOR TO SYSTEM INSTALLATION TO ARRANGE A PRE-INSTALLATION CONSULTATION. OUR REPRESENTATIVES CAN THEN ANSWER QUESTIONS OR ADDRESS COMMENTS ON THE STORMTECH CHAMBER SYSTEM AND INFORM THE INSTALLING CONTRACTOR OF THE MINIMUM INSTALLATION REQUIREMENTS BEFORE BEGINNING THE SYSTEM'S CONSTRUCTION. CALL 1-888-892-2694 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT WWW.STORMTECH.COM TO RECEIVE A COPY OF OUR INSTALLATION INSTRUCTIONS.
- STORMTECH'S REQUIREMENTS FOR SYSTEMS WITH PAVEMENT DESIGN (ASPHALT, CONCRETE PAVERS, ETC.): MINIMUM COVER IS 18 INCHES NOT INCLUDING PAVEMENT; MAXIMUM COVER IS 96 INCHES INCLUDING PAVEMENT. FOR INSTALLATIONS THAT DO NOT INCLUDE PAVEMENT, WHERE RUTTING FROM VEHICLES MAY OCCUR, MINIMUM REQUIRED COVER IS 24 INCHES, MAXIMUM COVER IS 96 INCHES.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE DESIGN ENGINEER.
- AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE (FILTER FABRIC) MUST BE USED AS INDICATED IN THE PROJECT PLANS.
- STONE PLACEMENT BETWEEN CHAMBERS ROWS AND AROUND PERIMETER MUST FOLLOW INSTRUCTIONS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
- BACKFILLING OVER THE CHAMBERS MUST FOLLOW REQUIREMENTS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
- THE CONTRACTOR MUST REFER TO STORMTECH'S INSTALLATION INSTRUCTIONS FOR A TABLE OF ACCEPTABLE VEHICLE LOADS AT VARIOUS DEPTHS OF COVER. THIS INFORMATION IS ALSO AVAILABLE AT STORMTECH'S WEBSITE: WWW.STORMTECH.COM. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING VEHICLES THAT EXCEED STORMTECH'S REQUIREMENTS FROM TRAVELING ACROSS OR PARKING OVER THE STORMWATER SYSTEM. TEMPORARY FENCING, WARNING TAPE AND APPROPRIATELY LOCATED SIGNS ARE COMMONLY USED TO PREVENT UNAUTHORIZED VEHICLES FROM ENTERING SENSITIVE CONSTRUCTION AREAS.
- THE CONTRACTOR MUST APPLY EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT THE STORMWATER SYSTEM DURING ALL PHASES OF SITE CONSTRUCTION PER LOCAL CODES AND DESIGN ENGINEER'S SPECIFICATIONS.
- STORMTECH PRODUCT WARRANTY IS LIMITED. SEE CURRENT PRODUCT WARRANTY FOR DETAILS. TO ACQUIRE A COPY CALL STORMTECH AT 1-888-892-2694 OR VISIT WWW.STORMTECH.COM.
- THE CONTRACTOR MUST SUBMIT DOCUMENTATION SHOWING THAT THE ROCK USED HAS A POROSITY OF 40% OR GREATER. CONTACT JEFF BICKLEY AT STORMTECH FOR ROCK SOURCES THAT MEET THIS STANDARD. (503-332-3404)

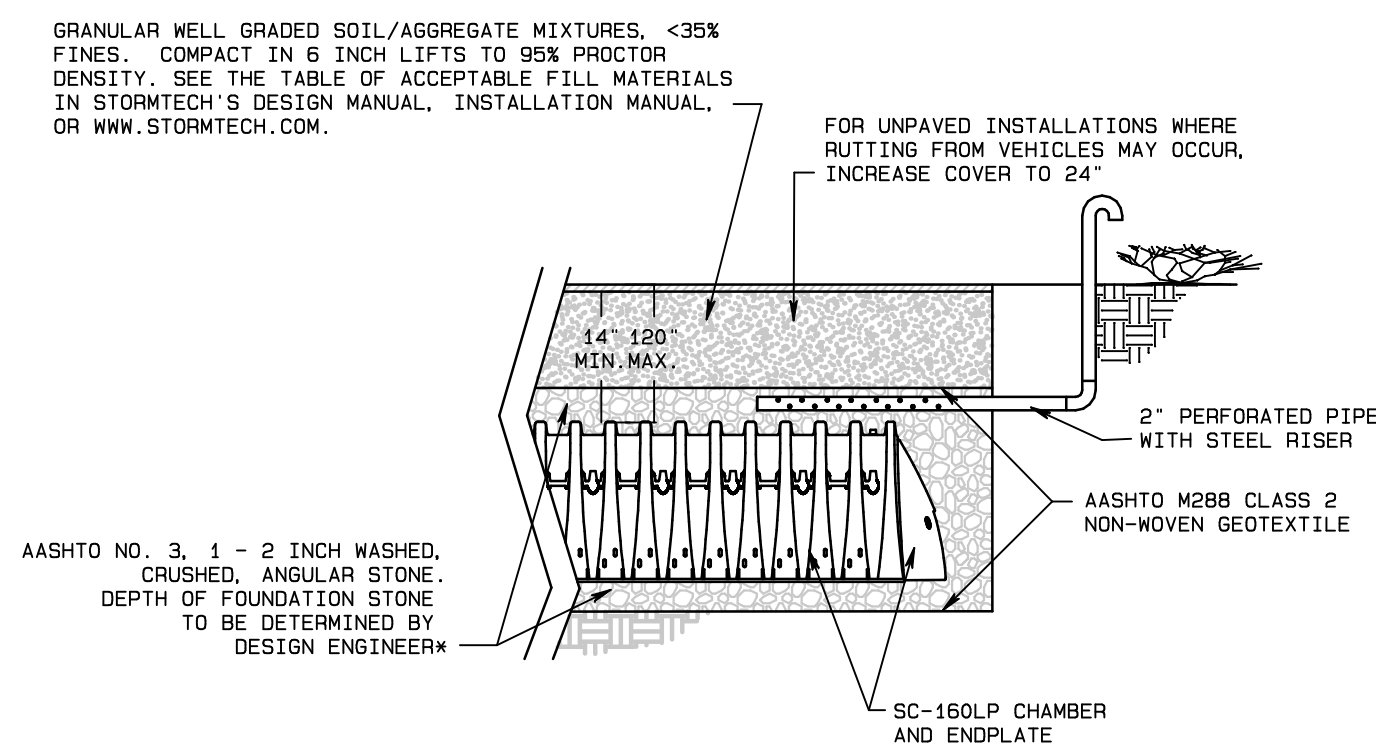


C-1 **STORMTECH SC-160LP CHAMBER SYSTEM TYPICAL CROSS SECTION**
SCALE: NTS

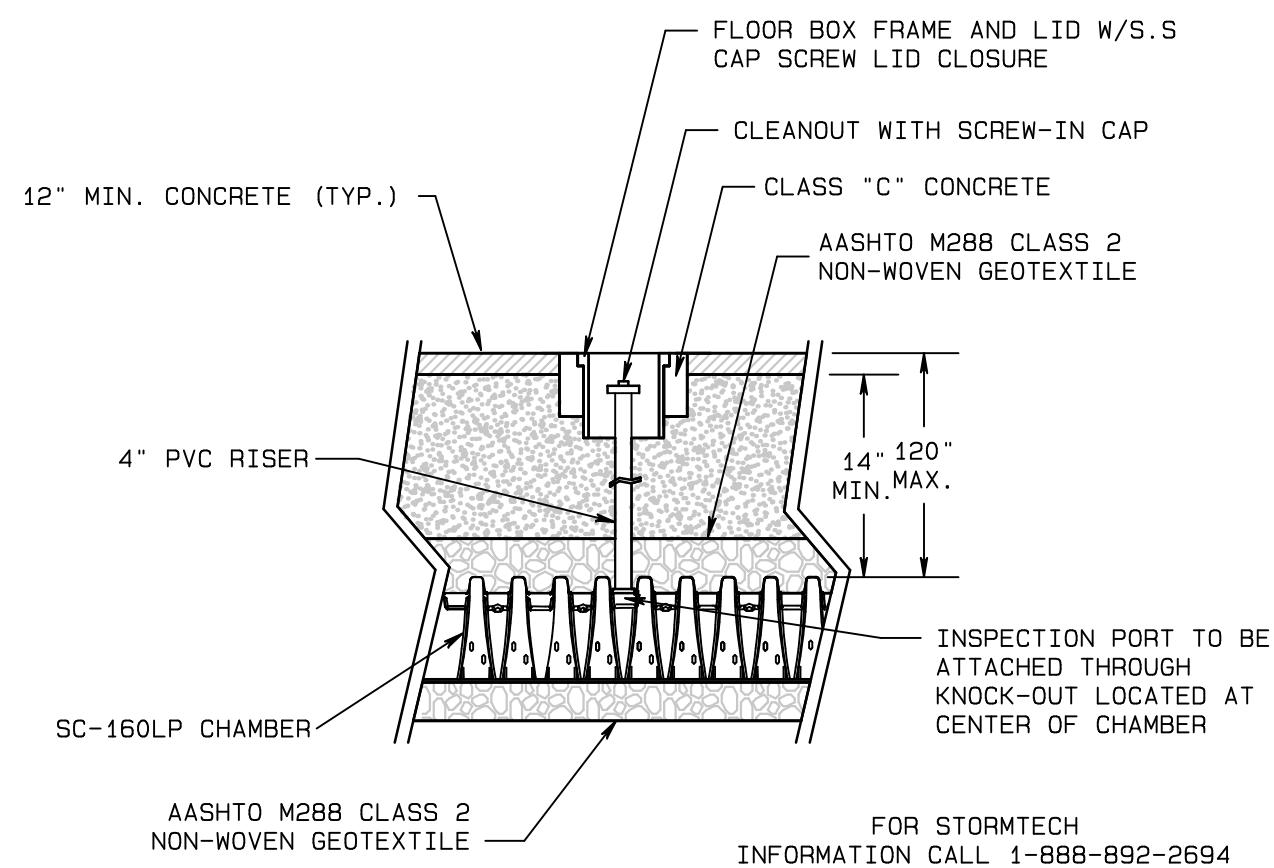


C-3 **STORMTECH SC-160LP CHAMBER SYSTEM INLET TYPICAL DETAIL**
SCALE: NTS

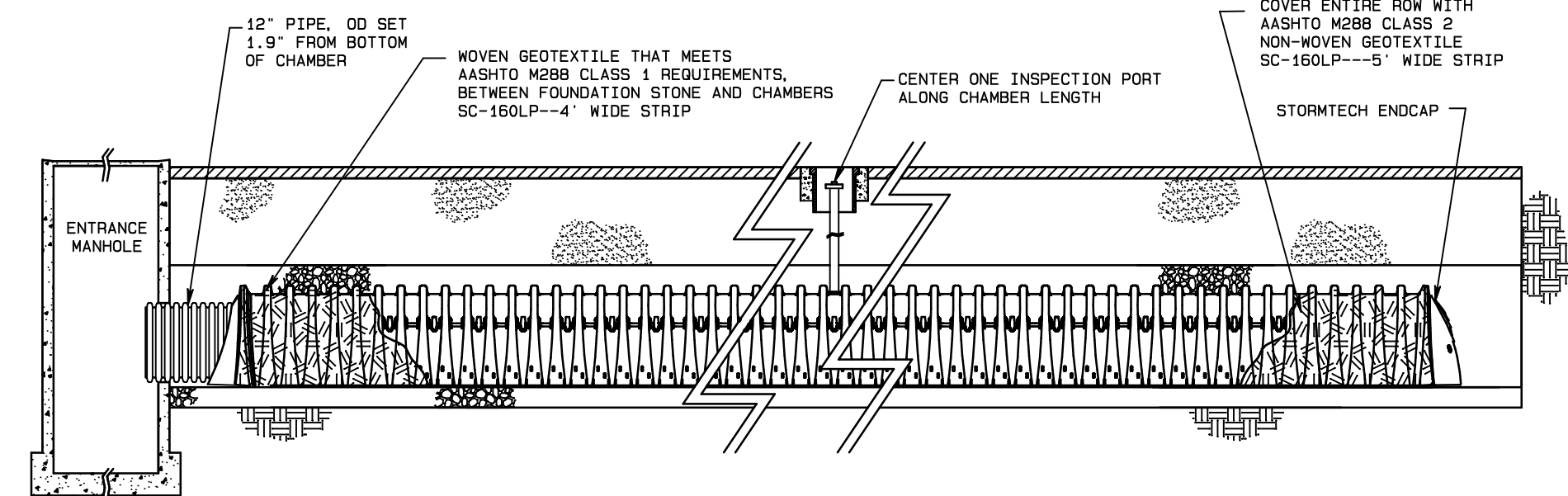
C-5 **STORMTECH GENERAL NOTES**
SCALE: NTS



D-1 **TYPICAL VENT DETAIL**
SCALE: NTS



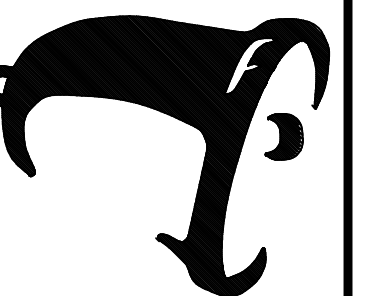
D-3 **TYPICAL INSPECTION PORT DETAIL**
SCALE: NTS



D-5 **ISOLATOR ROW TYPICAL DETAIL**
SCALE: NTS

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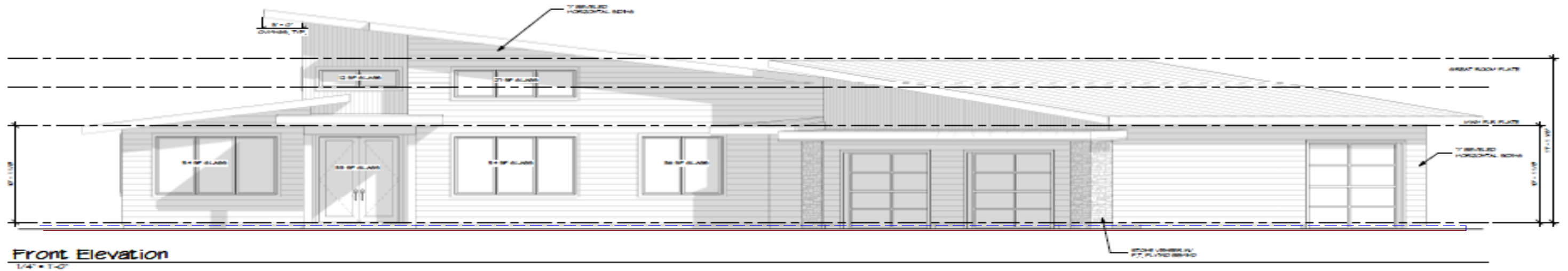


DETAILS
KAMENKO RESIDENCE
CORBETT OREGON

JOB NO. 23B331
DATE 2/22/24
DRAWN BY RBA CHECKED BY SWB
REVISIONS DATE
REGISTERED PROFESSIONAL ENGINEER
99681 PE
OREGON
MARCH 08, 2022
RISTON ANDREWS
EXPIRES: 12-31-25

SHEET NO. C3.02

Exhibit Q



Proposed Grade = ———
Existing Grade = - - - - -

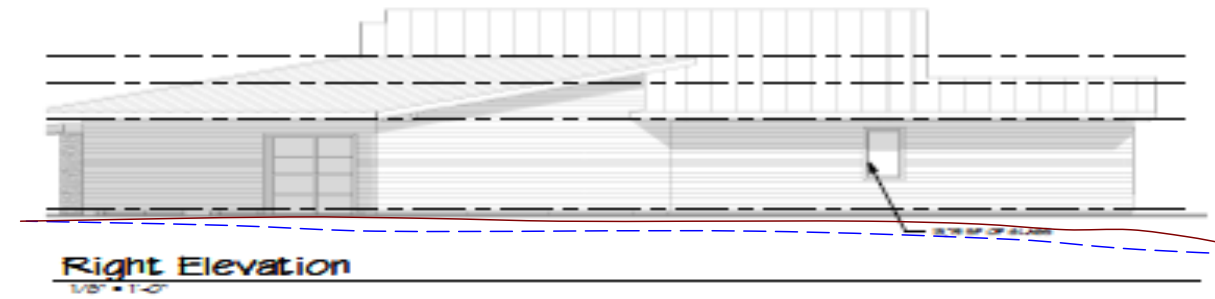
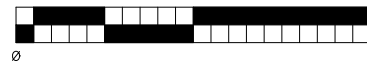
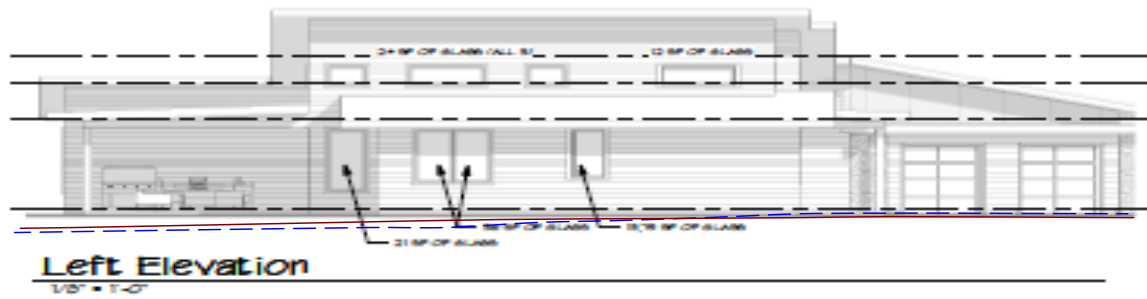
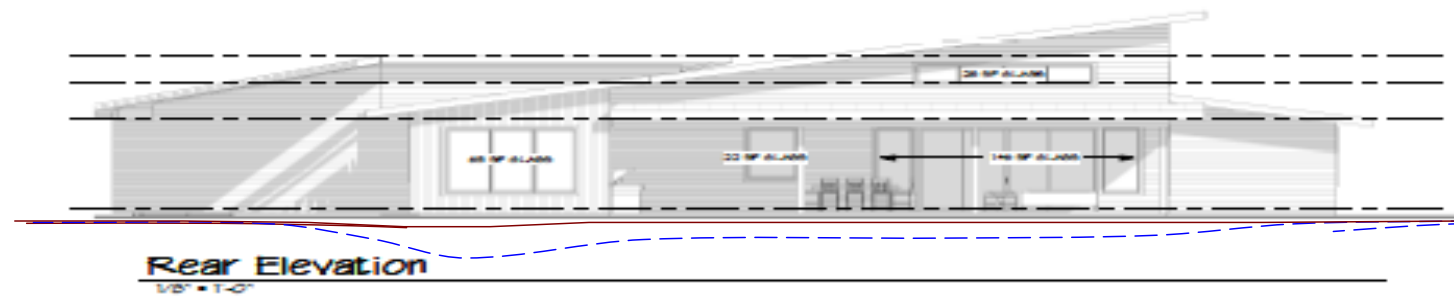
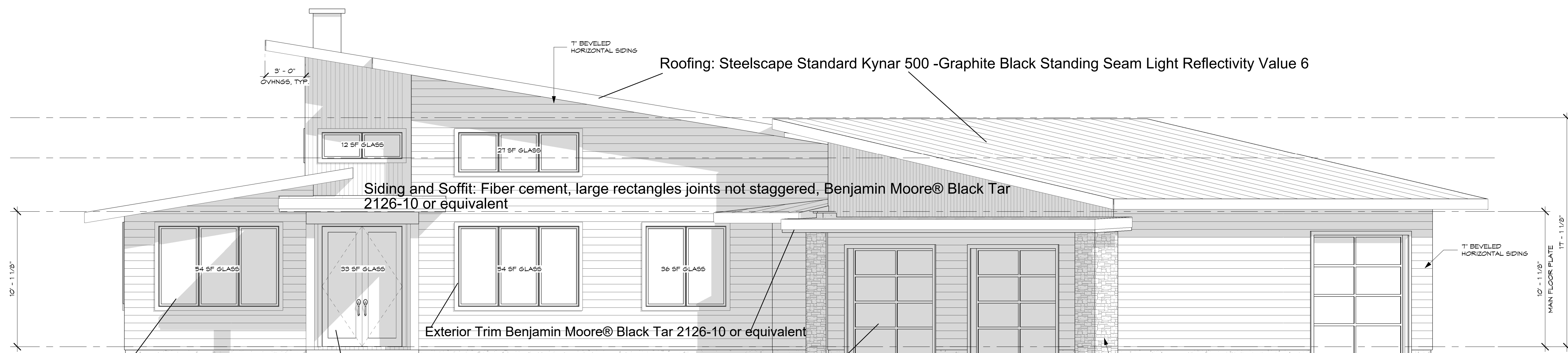


Exhibit O



Roofing: Steelscape Standard Kynar 500 -Graphite Black Standing Seam Light Reflectivity Value 6

Siding and Soffit: Fiber cement, large rectangles joints not staggered, Benjamin Moore® Black Tar 2126-10 or equivalent

Exterior Trim Benjamin Moore® Black Tar 2126-10 or equivalent

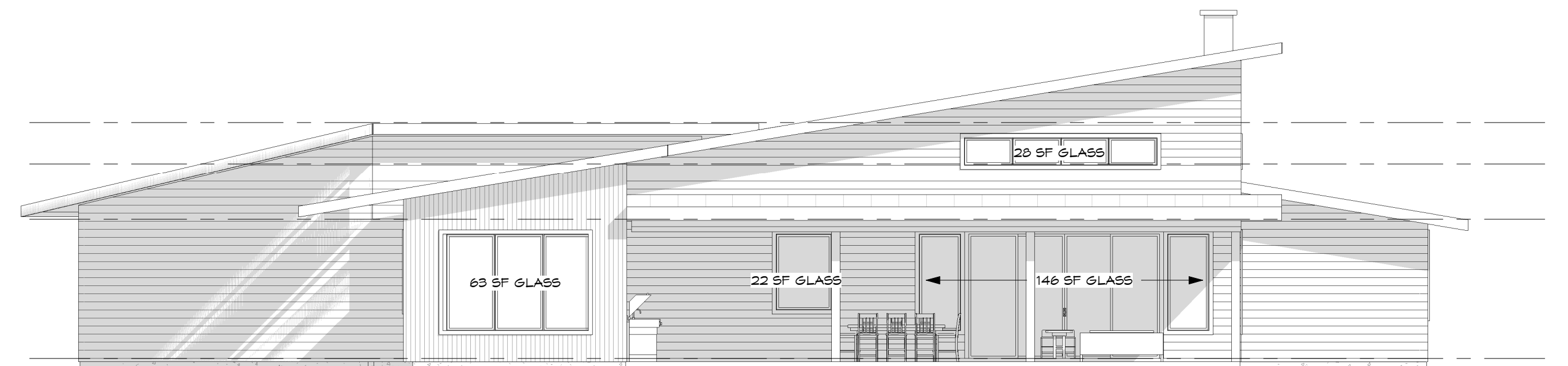
Garage Door: Metal Flush with frosted windows, Benjamin Moore® Black Tar 2126-10 or equivalent

Windows: Marvin Essentials Black Fiberglass Grey Tinted Low E Thermal Pane Light Reflectivity Value 7

FRONT ELEVATION

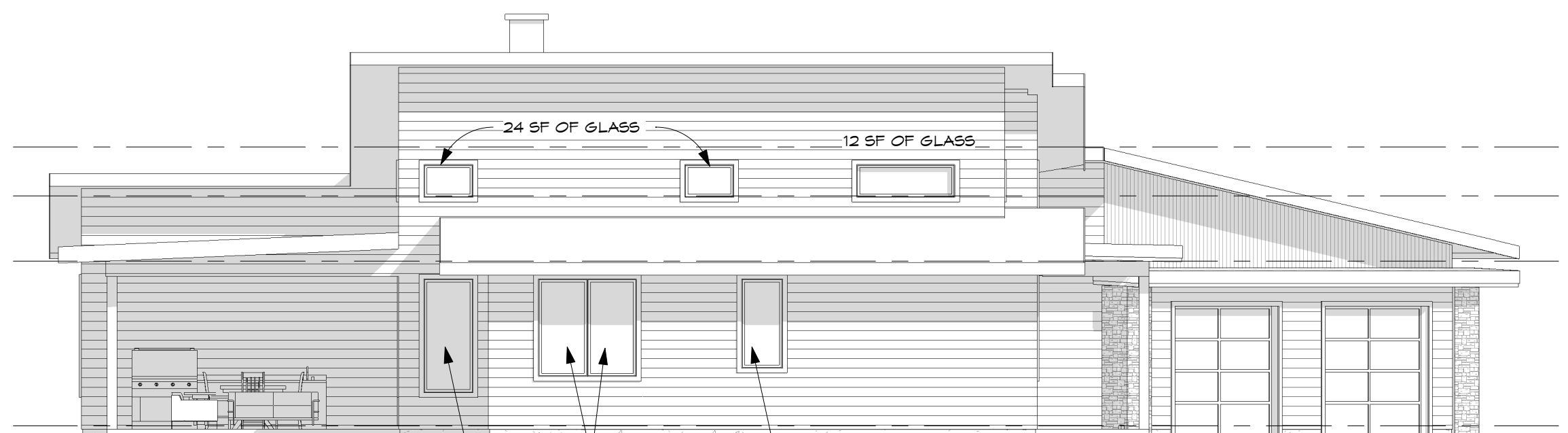
1/4" = 1'-0"

Entry door : Metal Flush Double Door no windows , Benjamin Moore® Black Tar 2126-10 or equivalent



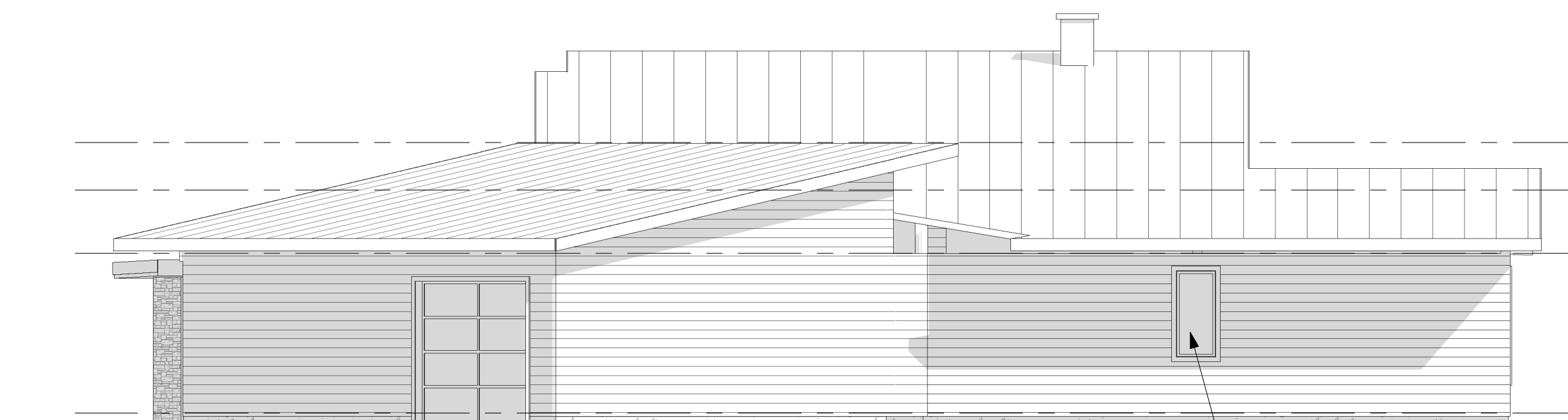
REAR ELEVATION

1/8" = 1'-0"



LEFT ELEVATION

1/8" = 1'-0"



RIGHT ELEVATION

1/8" = 1'-0"



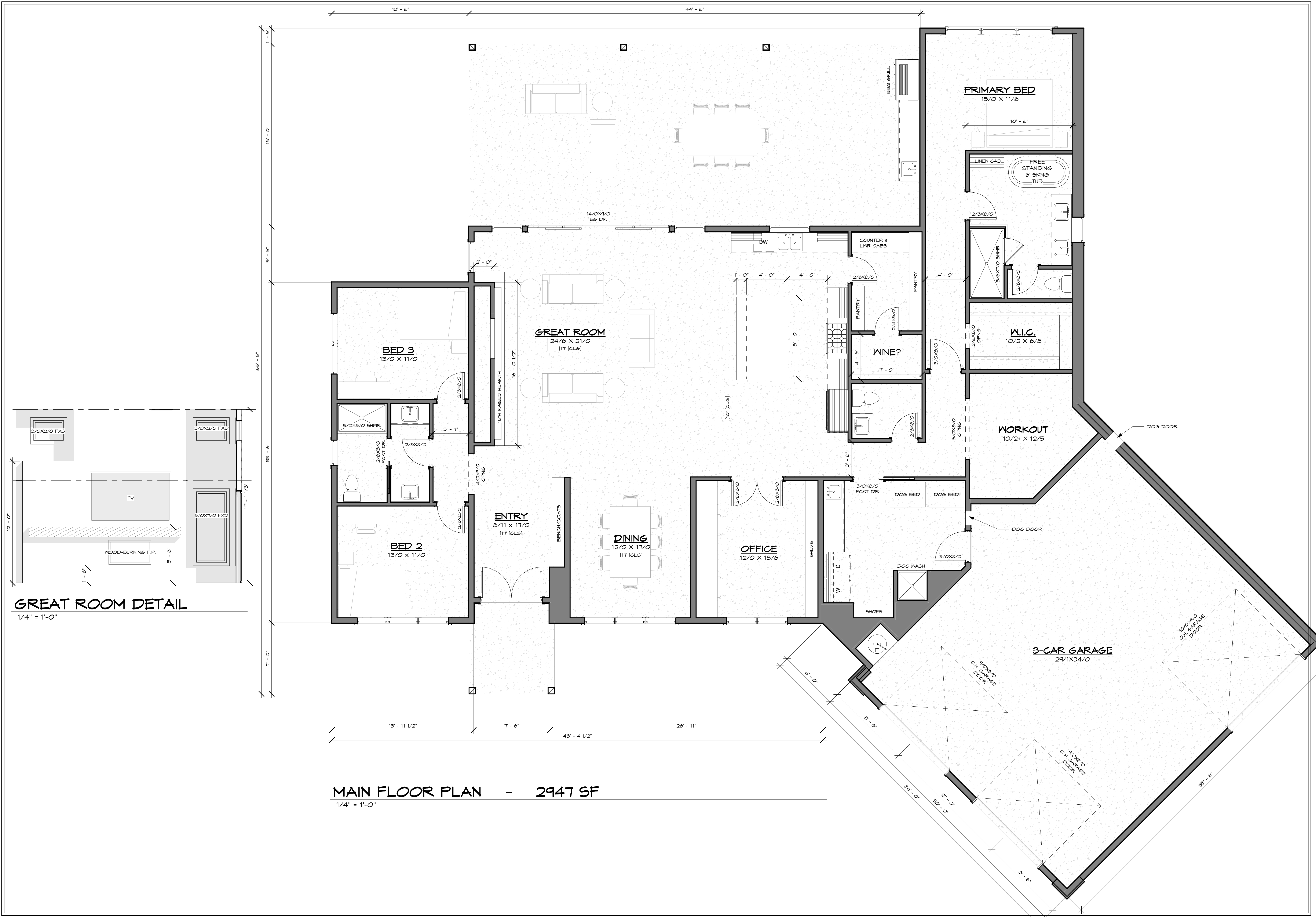
KAMENKO RESIDENCE

FILE NAME :
XXXX-X-XX-XX
DRAWN BY:
E DRAFTING
SCALE :
As Indicated
PLOT DATE :
12/20/2023
10:09:08 AM

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall assume responsibility for all dimensions and conditions on the job. The designer must be notified and consent to any variations from dimensions set forth herein. The type of exterior finish, the installation and waterproofing details are all to be the full responsibility of the owner/builder. This Designer assumes no responsibility for the integrity of the building envelope. This document is the property of E Drafting Corp. No reuse or reproduction is allowed without the written consent from E Drafting Corp.

SHEET
Building Elevations

A1



MAIN FLOOR PLAN - 2947 SF
1/4" = 1'-0"

GREAT ROOM DETAIL
1/4" = 1'-0"

KAMENKO RESIDENCE

FILE NAME :
XXXX-X-XX-XX
DRAWN BY:
E DRAFTING
SCALE :
1/4" = 1'-0"
PLOT DATE :
12/20/2023
10:09:11 AM

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall assume responsibility for all dimensions and conditions on the job. The designer must be notified and consent to any variations from dimensions set forth herein. The type of exterior finish, the installation and waterproofing details are all to be the full responsibility of the owner/builder. This Designer assumes no responsibility for the integrity of the building envelope. This document is the property of E Drafting Corp. No reuse or reproduction is allowed without the written consent from E Drafting Corp.

SHEET
Floor Plans

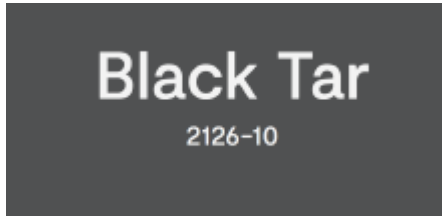
A3

Exhibit X



Exhibit H

Exterior Materials, Colors and Lighting



Paint: Siding, soffits and concrete foundation walls Benjamin Moore® Black Tar 2126-10 or equivalent



Entry door : Metal Flush Double Door no windows , Benjamin Moore® Black Tar 2126-10 or equivalent



Garage Door: Metal Flush with frosted windows, Benjamin Moore® Black Tar 2126-10 or equivalent



Siding and Soffit: Fiber cement, large rectangles joints not staggered, Benjamin Moore® Black Tar 2126-10 or equivalent



Windows: Marvin Essentials Black Fiberglass Grey Tinted Low E Thermal Pane Light Reflectivity Value 7



Graphite Black SRI-26
Formerly: Black

Roofing: Steelscape Standard Kynar 500 -Graphite Black Standing Seam Light Reflectivity Value 6



Hansen Home in NSA, White Salmon WA. Steelscape Standard Kynar 500 - Charcoal Grey Roof Light Reflectivity Value 12



Exterior Lighting: HALO HLBC6 Series Regressed LED Downlight with black trim mounted in soffits.



Coated Steel Light Reflectance Values (LRV)

Standard Kynar 500® Coatings	LRV*
Black / Graphite Black	6
Charcoal Gray	12
Colonial Red	10
Dark Bronze	7
Forest Green	10
Glacier White	74
Hemlock Green	20
Medium Bronze	11
Musket	7
Pacific Blue	9
Parchment	40
Pine Green	8
Retro Red	10
Saddle Tan	14
Sierra Tan	34
Sterling Gray	26
Tahoe Blue	13
Terra Cotta	16
Tile Red	10
Zinc Gray	20

Premium Metallic 500® Coatings	LRV*
Antique Patina	17
Champagne	32
Copper Penny	28
Metallic Silver	52
Weathered Zinc	23

Premium Finish	LRV*
Vintage®	20

Ironstone (Eternal Collection™)	17
Rainforest (Eternal Collection™)	18
Sungold (Eternal Collection™)	15
Urban Slate (Eternal Collection™)	18

***LRV, or Light Reflectance Value**, measures the amount of visible or usable light that reflects from a surface. LRV is expressed as a percentage from 0 to 100; the higher the number the more visible light that is reflected. Typically, lighter colors will have a higher value than dark colors, but texture can impact LRV as well. Rough textures tend to reflect less visible light. Gloss and sheen are two other terms used to describe visible reflection of a surface. Gloss is the measurement of visible light at a 60° angle from the surface, while sheen is measured at 85°. High gloss/sheen results in high glare or shine from a surface, while low gloss/sheen surfaces have a flat or matte appearance. Glare, often a concern with pre-painted roofs, is controlled by lowering the sheen value. **LRV is independent from SRI & SRV.**

Kynar 500® is a registered trademark of Arkema, Inc.
Vintage® is a registered trademark of Steelscape, LLC.