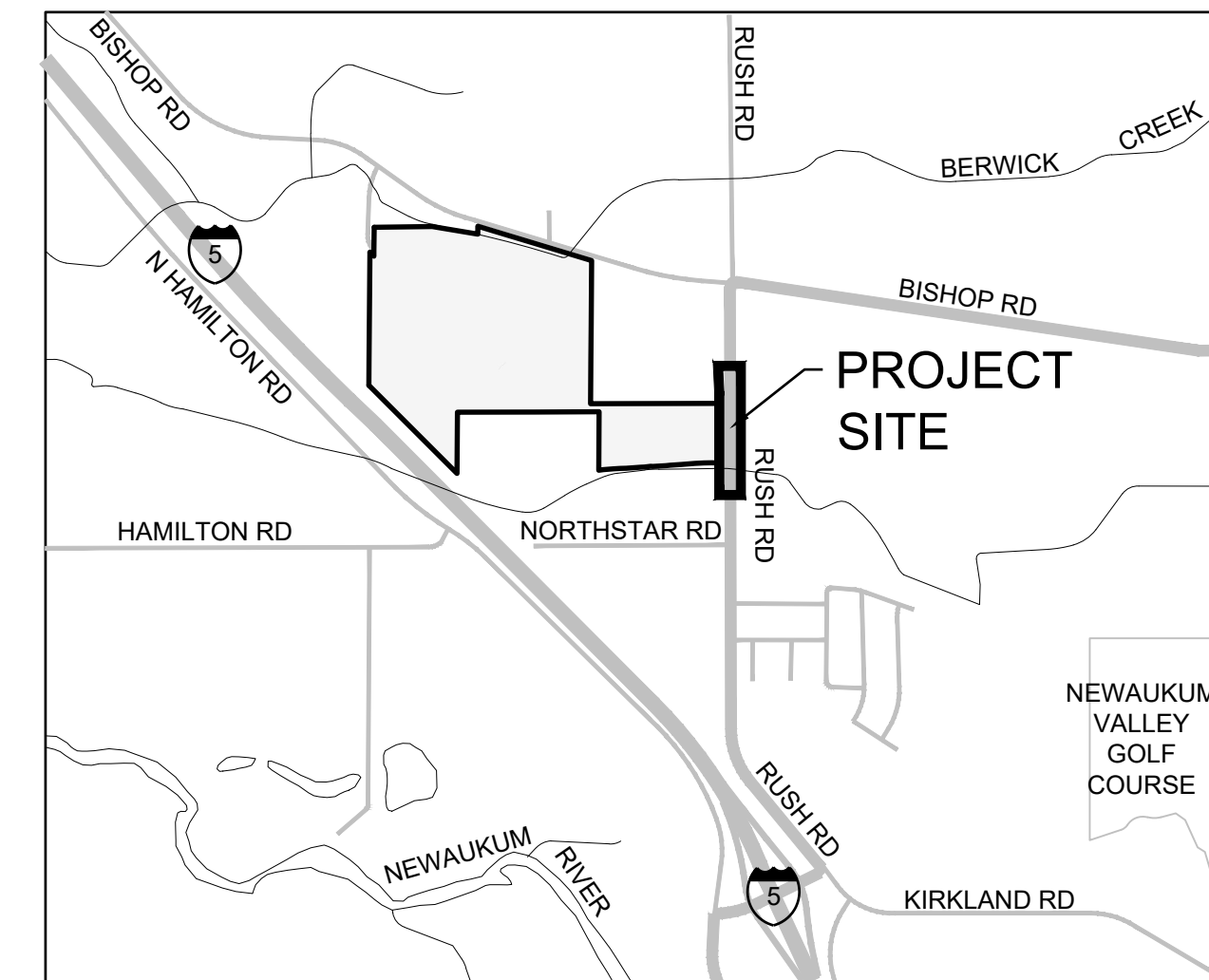
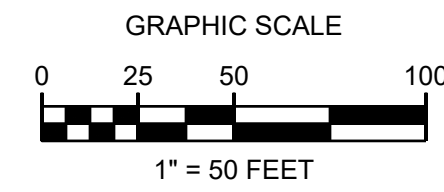
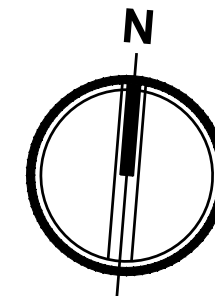
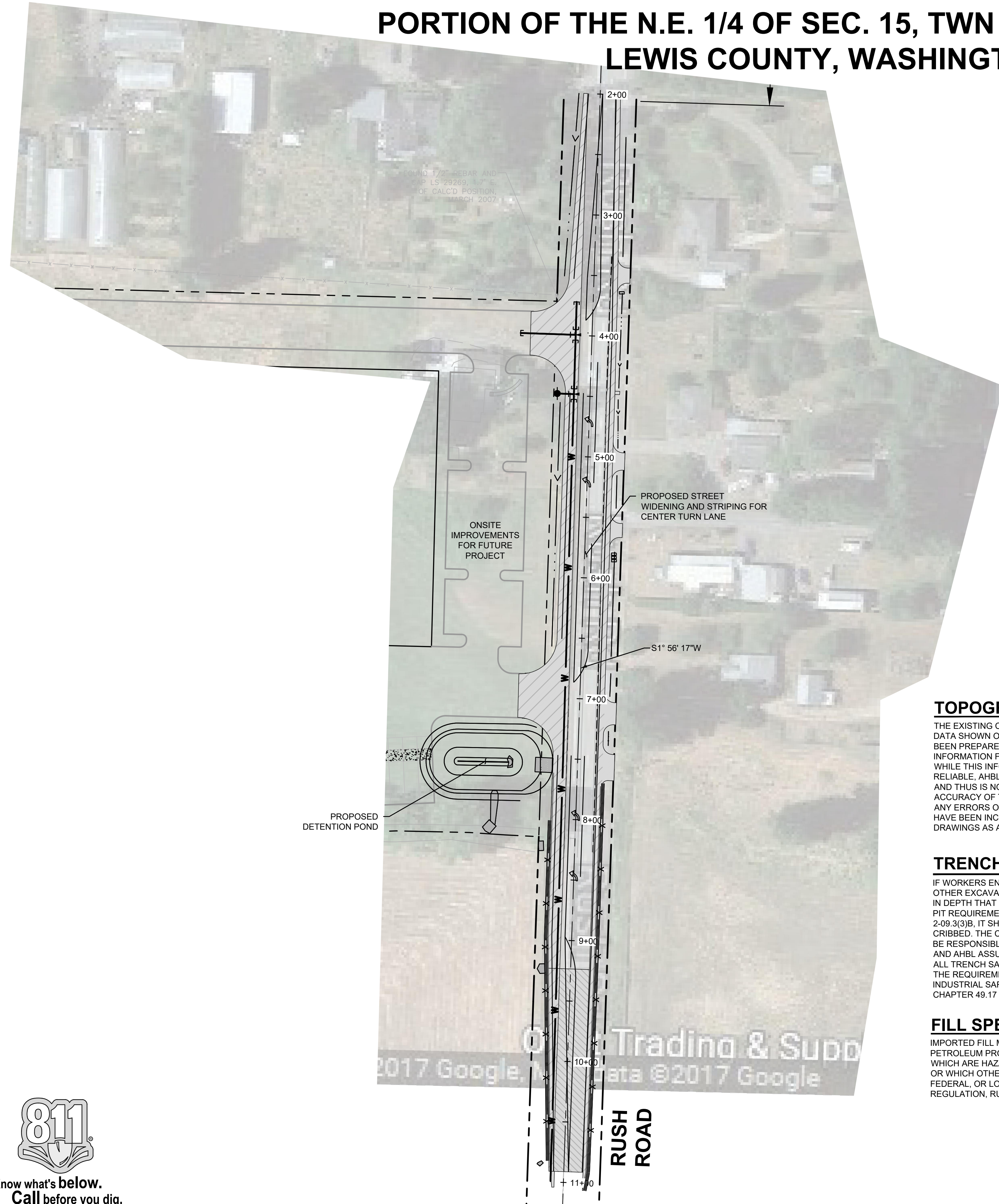


# I-5 CORPORATE CENTER CHEHALIS - RUSH ROAD IMPROVEMENTS

PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.  
LEWIS COUNTY, WASHINGTON



**VICINITY MAP**  
SCALE: 1" = 1/4 MILE (1320')

### EXISTING LEGEND

- CONIFEROUS TREE
- DECIDUOUS TREE
- FOUND MONUMENT AS NOTED
- FOUND 1/2" REBAR AND CAP LS 29269 UNLESS NOTED OTHERWISE
- SAN. SEWER MANHOLE
- UTILITY POLE
- TELEPHONE RISER
- FIRE HYDRANT
- WATER VALVE
- WELL HEAD
- FENCE POST
- FENCE AS NOTED
- STORM CULVERT
- OVERHEAD POWER
- SEWER LINE
- CALCULATED
- PER DESCRIPTION (SEE NOTE #1)
- MEASURED
- PER RECORD, BLA 01-0062

### VERTICAL DATUM

NAVD 88  
WSDOT VERTICAL BENCHMARK NO. GP21005-28  
BRASS MONUMENT 44.7 METERS SOUTHEAST OF MILEPOST 74 OF I-5 ON THE SOUTH SIDE OF ROAD.  
  
PUBLISHED ELEVATION 222.52'

### EARTHWORK VOLUMES

CUT: 175 CY  
FILL: 2,135 CY  
NET: 1,960 CY (IMPORT)

### UTILITY NOTE

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. AHBL ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.

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### AUTOCAD FILE

SITE PLAN IS AVAILABLE TO ASSIST WITH IDENTIFYING FUTURE BUILDING AND PAVING LIMITS.

### Sheet List Table

Sheet Number	Sheet Title
C0.1	COVER SHEET
C1.0	TESC AND DEMOLITION PLAN
C2.0	ROAD PLAN
C2.1	NOTES AND DETAIL
C2.2	ROAD SECTIONS
C3.0	GRADING AND DRAINAGE PLAN
C3.1	POND DETAILS

### OWNER

CHEHALIS LAND L.L.C.  
601 UNION ST, SUITE 3500  
SEATTLE, WA 98101  
PH: (206) 233-9600  
CONTACT: BEN WAISS

### CIVIL ENGINEER

AHBL INC  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WA 98403  
PH: (253) 383-2422  
FAX: (253) 383-2572  
CONTACT: TODD SAWIN, PE

### SURVEYOR

AHBL INC  
2215 NORTH 30TH STREET, SUITE 300  
TACOMA, WA 98403  
PH: (253) 383-2422  
FAX: (253) 383-2572  
CONTACT: JOHN BECKER PLS

### BASIS OF BEARING

WASHINGTON STATE COORDINATE SYSTEM, NAD83/91 SOUTH ZONE.  
WSDOT SURVEY CONTROL POINTS (CONVERTED TO US FEET)  
#GP21005-27  
N 474176.3744 E 1035153.7620 ELEV. 243.536  
#GP21005-28  
N 477870.1199 E 1031576.6776 ELEV. 222.488

### FLOOD ZONE

THE PROPERTY IS LOCATED IN ZONE X FLOOD ZONE PER LEWIS COUNTY MAP NO. 1781-C AND IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA. INFORMATION PROVIDED BY US FLOOD RESEARCH, INC 888-873-5663

### PARCEL INFORMATION

SITE ADDRESS: 1850 BISHOP ROAD, CHEHALIS, WA 98532  
PARCEL A : 7.91 ACRES  
PARCEL B : 44.69 ACRES  
PARCEL C : 8.16 ACRES

### TOPOGRAPHIC NOTE

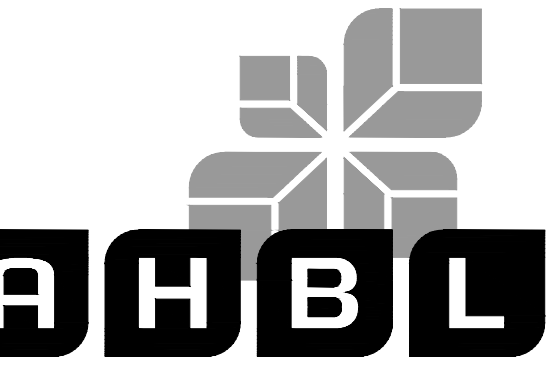
THE EXISTING CULTURAL AND TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, AHBL CANNOT ENSURE ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

### TRENCH NOTE

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND AHBL ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

### FILL SPECIFICATION

IMPORTED FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW, ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD.



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**Project Title:**  
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**Client:**  
**CHEHALIS LAND L.L.C.**

601 UNION ST, SUITE 3500  
SEATTLE, WA 98101

BEN WAISS  
206.233.9600

**Job No.**  
2170121.10

**Issue Set & Date:**

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**Revisions:**

**Sheet Title:**

### COVER SHEET

**Designed by:** MCH **Drawn by:** DJH **Checked by:** TCS

**Sheet No.**

# C0.1

1 of 7 Sheets

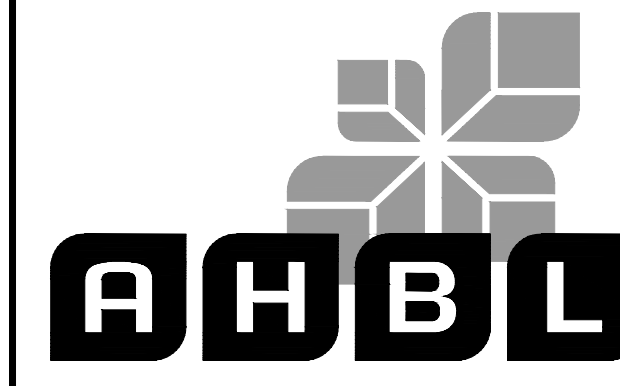
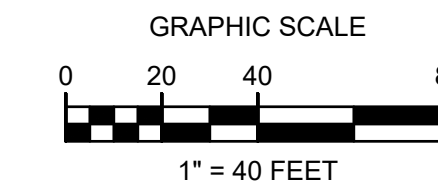
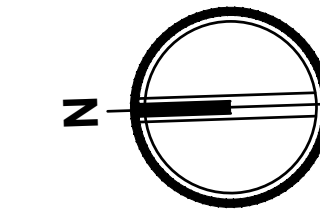


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# I-5 CORPORATE CENTER CHEHALIS - RUSH ROAD IMPROVEMENTS

## PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.

### LEWIS COUNTY, WASHINGTON



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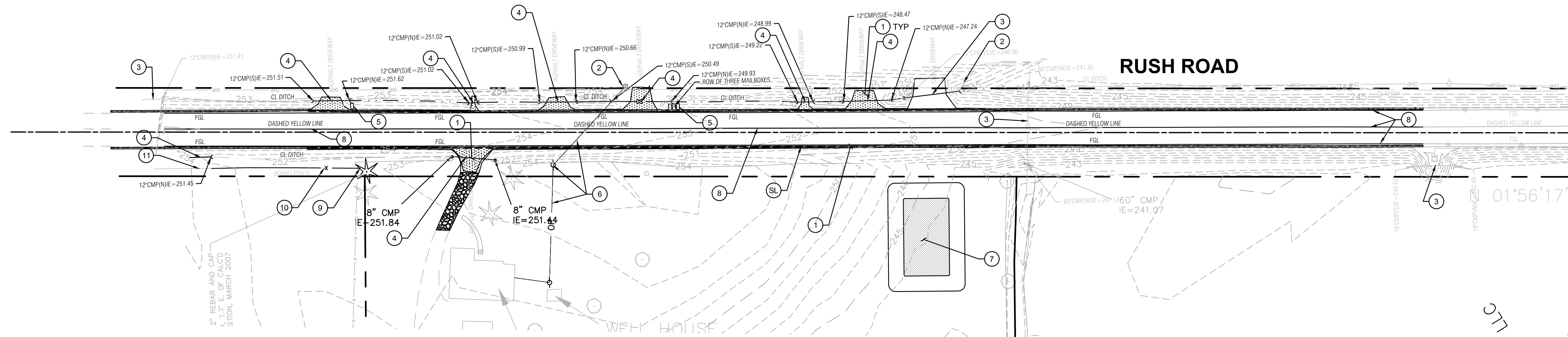
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### KEYNOTES

- ① REMOVE EXISTING ASPHALT PAVEMENT.
- ② PRESERVE/PROTECT EXISTING UTILITY POLE
- ③ PRESERVE/PROTECT EXISTING STORM PIPE
- ④ DEMOLISH STORM CULVERT
- ⑤ RELOCATE MAIL BOXES
- ⑥ DEMOLISH OVERHEAD POWER AND UTILITY POLES
- ⑦ TEMPORARY EROSION AND SEDIMENT CONTROL POND
- ⑧ REMOVE EXISTING ROAD STRIPING
- ⑨ DEMOLISH TREE
- ⑩ DEMOLISH WOOD FENCE
- ⑪ PROTECT EXISTING FENCE

### LEGEND

- — — — — RIGHT-OF-WAY / PROPERTY LINE
- CL — — — — — CLEARING / PROJECT LIMITS
- CE [Pattern] CONSTRUCTION ENTRANCE
- [Pattern] REMOVE EXISTING ASPHALT
- [Pattern] REMOVE EXISTING CONCRETE
- [Pattern] 2" ASPHALT GRIND AND OVERLAY
- SF [Pattern] SILT FENCE
- IP [Symbol] INLET PROTECTION
- [Symbol] INTERCEPTOR SWALE
- SL [Symbol] SAWCUT LINE
- CD [Symbol] ROCK CHECK DAM
- [Symbol] REMOVE EXISTING UTILITY
- [Symbol] REMOVE EXISTING TREE
- [Symbol] EXISTING TREE TO REMAIN
- 123 — — — — — PROPOSED MINOR CONTOUR
- 123 — — — — — PROPOSED MAJOR CONTOUR



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**Revisions:**

**Sheet Title:**

**TESC AND DEMOLITION PLAN**

**Designed by:** MCH    **Drawn by:** DJH    **Checked by:** TCS

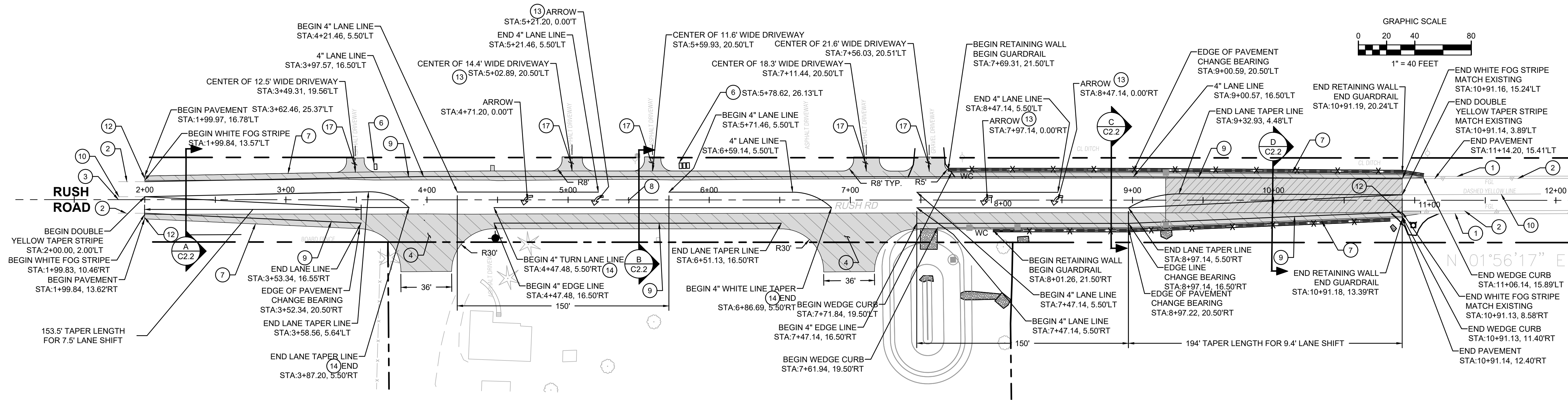
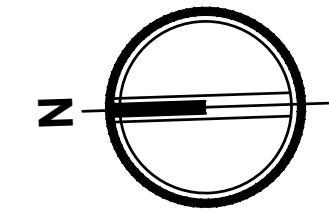
**Sheet No.**

**C1.0**  
 2 of 7 Sheets

# I-5 CORPORATE CENTER CHEHALIS - RUSH ROAD IMPROVEMENTS

## PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.

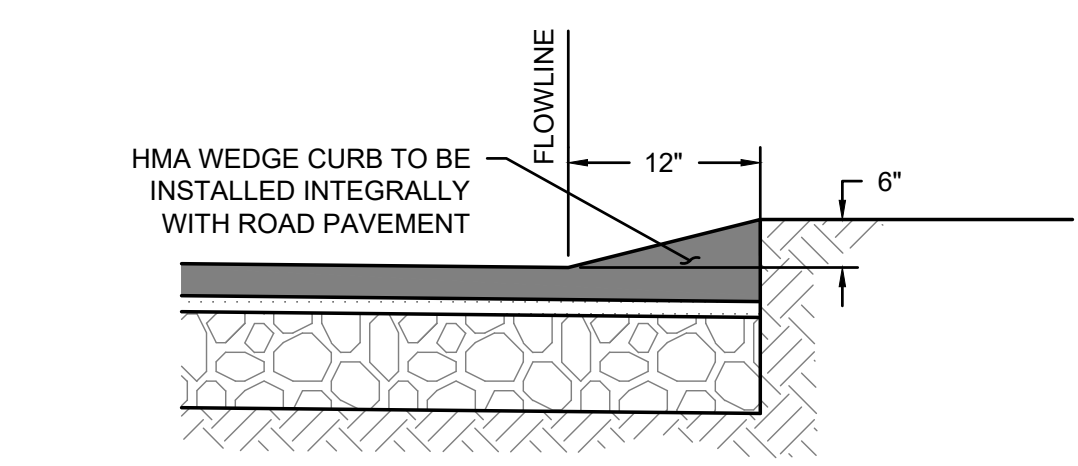
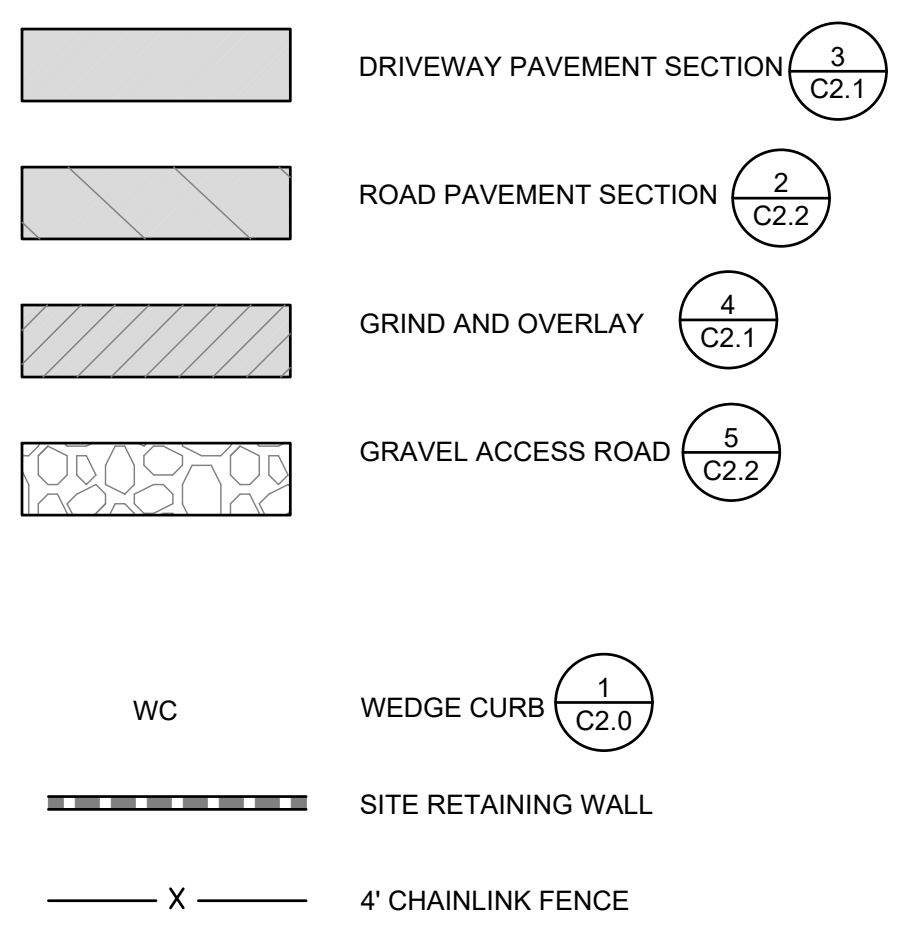
### LEWIS COUNTY, WASHINGTON



#### KEY NOTES

- 1 EXISTING EDGE OF PAVEMENT
- 2 EXISTING FOG LINE
- 3 CENTER OF RIGHT OF WAY LINE
- 4 COMMERCIAL DRIVEWAY APPROACH PER CITY OF CHEHALIS STANDARD DETAIL 2-8
- 5 PROPOSED URBAN ROAD SECTION PER LEWIS COUNTY STANDARD DETAIL 3-1
- 6 EXISTING STREAM CULVERTS
- 7 PROPOSED EDGE OF PAVEMENT
- 8 PROPOSED TWO-WAY LEFT HAND TURN LANE
- 9 PROPOSED FOG LINE WHITE 4" WIDTH PER WSDOT STANDARDS
- 10 EXISTING CENTERLINE MARKINGS
- 11 EXISTING PAVEMENT CROWN
- 12 MATCH EXISTING PAVEMENT
- 13 TYPE 2 SL TRAFFIC ARROW PER WSDOT STANDARD PLAN M-24.40-02
- 14 PROPOSED DOUBLE YELLOW CENTERLINE 4" WIDTH PER WSDOT STANDARDS
- 15 PROPOSED URBAN ROAD SECTION PER LEWIS COUNTY STANDARD DETAIL 3-1
- 16 RELOCATED MAILBOXES
- 17 ASPHALT DRIVEWAY

#### SURFACING LEGEND



**1 WEDGE CURB**  
NOT TO SCALE

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- △
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  - △
- Revisions:**

**Sheet Title:**  
**ROAD PLAN**

**Designed by:** MCH **Drawn by:** DJH **Checked by:** TCS

**Sheet No.**

**C2.0**  
3 of 7 Sheets



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# I-5 CORPORATE CENTER CHEHALIS - RUSH ROAD IMPROVEMENTS

PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.  
LEWIS COUNTY, WASHINGTON



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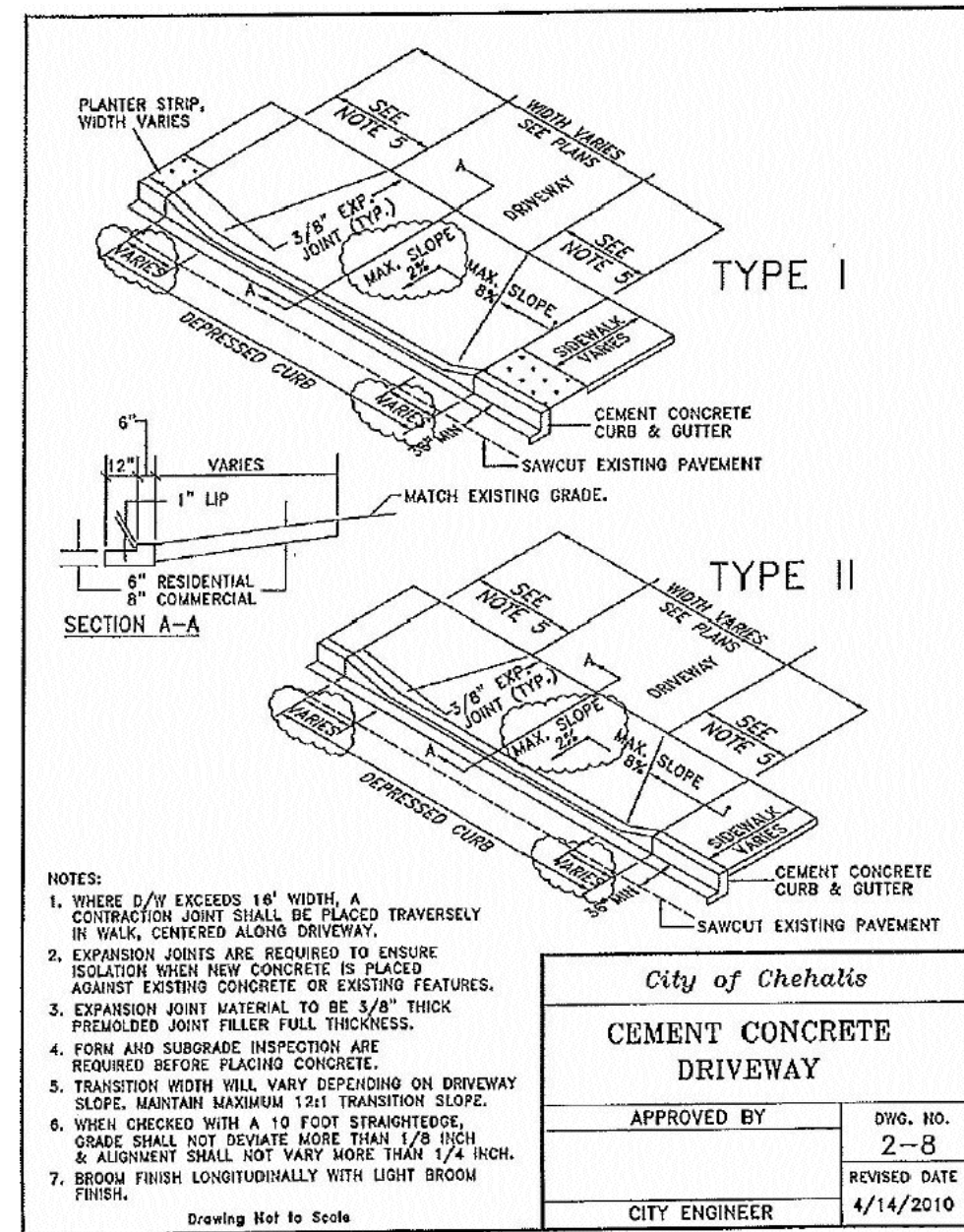


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**NOTES AND DETAIL**  
Designed by: MCH Drawn by: DJH Checked by: TCS

Sheet No. **C2.1**  
4 of 7 Sheets



**1 RESIDENTIAL AND COMMERCIAL DRIVEWAY APPROACHES**  
NOT TO SCALE

**PAVEMENT DESIGN-CONSTANTS**

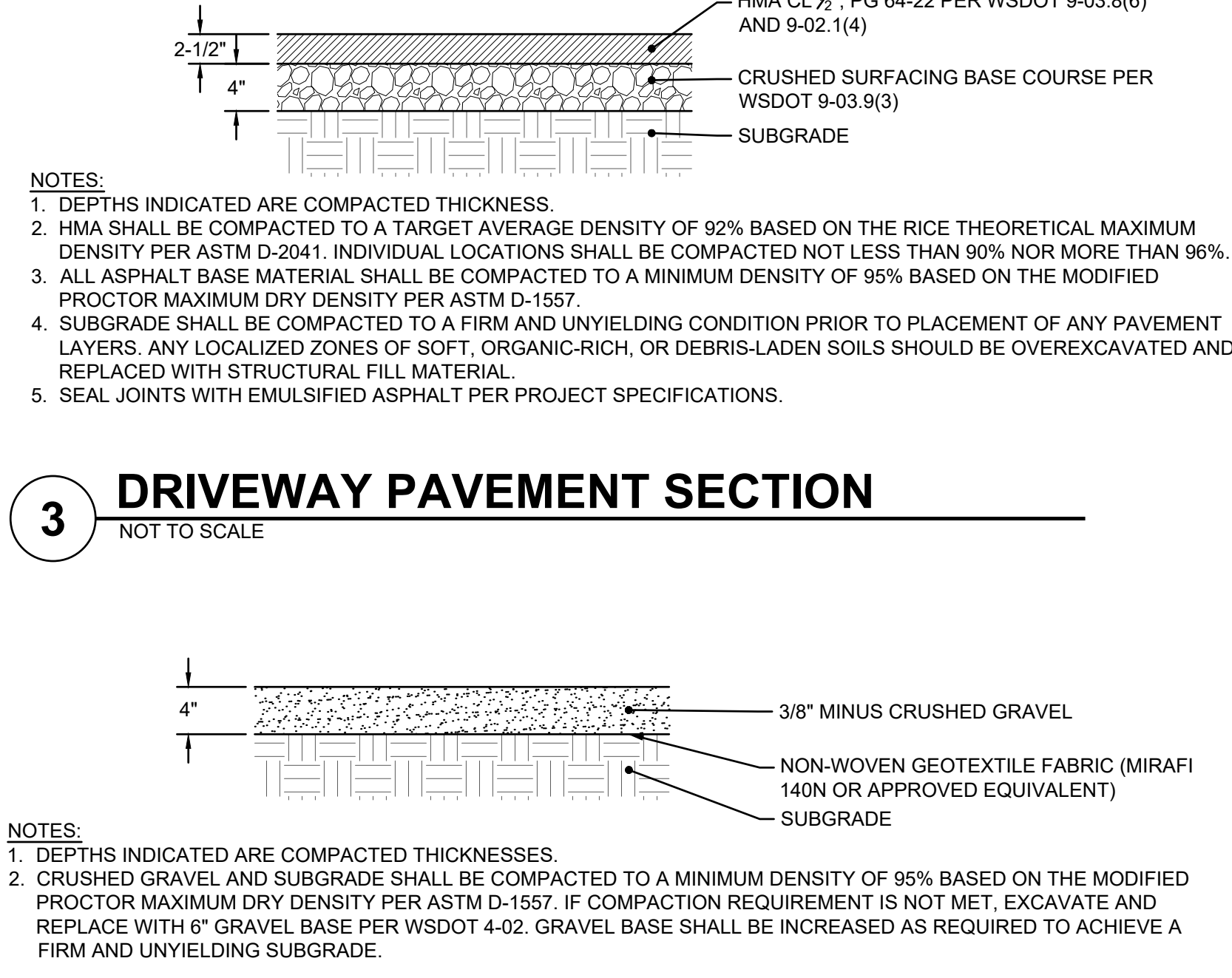
	BOULEVARD ARTERIAL	COMMERCIAL INDUSTRIAL COLLECTOR	NEIGHBORHOOD COLLECTOR	LOCAL
ADT	20,000	5,000	4,000	500
% ADT	8	15	5	5
GROWTH RATE	5	5	5	2
LANE FACTOR	0.5	0.5	0.5	0.5
DESIGN EAL	3,000,000	1,400,000	370,000	35,000
RK	95	90	85	80
S <sub>0</sub>	0.45	0.45	0.45	0.45
PI	4.20	4.20	4.20	4.20
PI	2.5	2.4	2.3	2.2
ΔPSI	1.7	1.8	1.9	2.0
MINIMUM PAVEMENT SECTION WITHOUT PAVEMENT DESIGN *				
AC	6"	6"	4"	3"
CSTC	2"	2"	2"	2"
MINIMUM PAVEMENT SECTION WITH PAVEMENT DESIGN *				
AC	4"	4"	3"	3"
CSTC	2"	2"	2"	2"
GRAVEL BORROW	12"	12"	8"	8"

\* PAVEMENT DESIGN IS PER AASHTO DESIGN GUIDELINES AND CEMENTS CALIBRATION BEARING RATIO (CBR) SOI TESTS. SEE STANDARD DRAWING 2-3 FOR PAVEMENT DESIGN WORKSHEET.

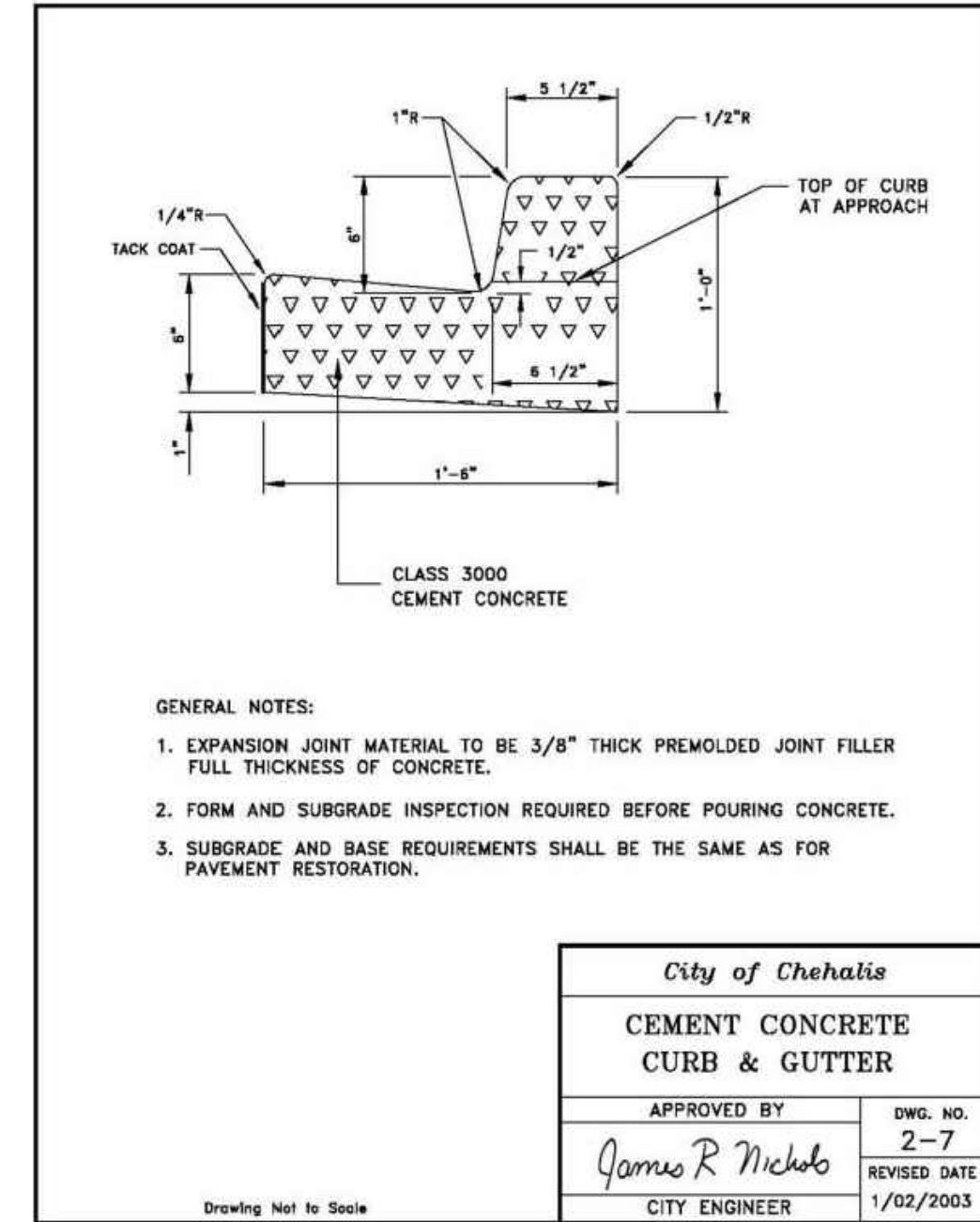
**City of Chehalis**  
**PAVEMENT DESIGN**  
APPROVED BY: [Signature] DWG. NO. 2-2  
CITY ENGINEER 3/28/2005

NOTE:  
1. USE 2% STREET CROSS SLOPE AND NO MORE THAN 3% FEET OF ROADWAY SLOPED IN ANY DIRECTION.

**2 ROAD PAVEMENT SECTION**  
NOT TO SCALE

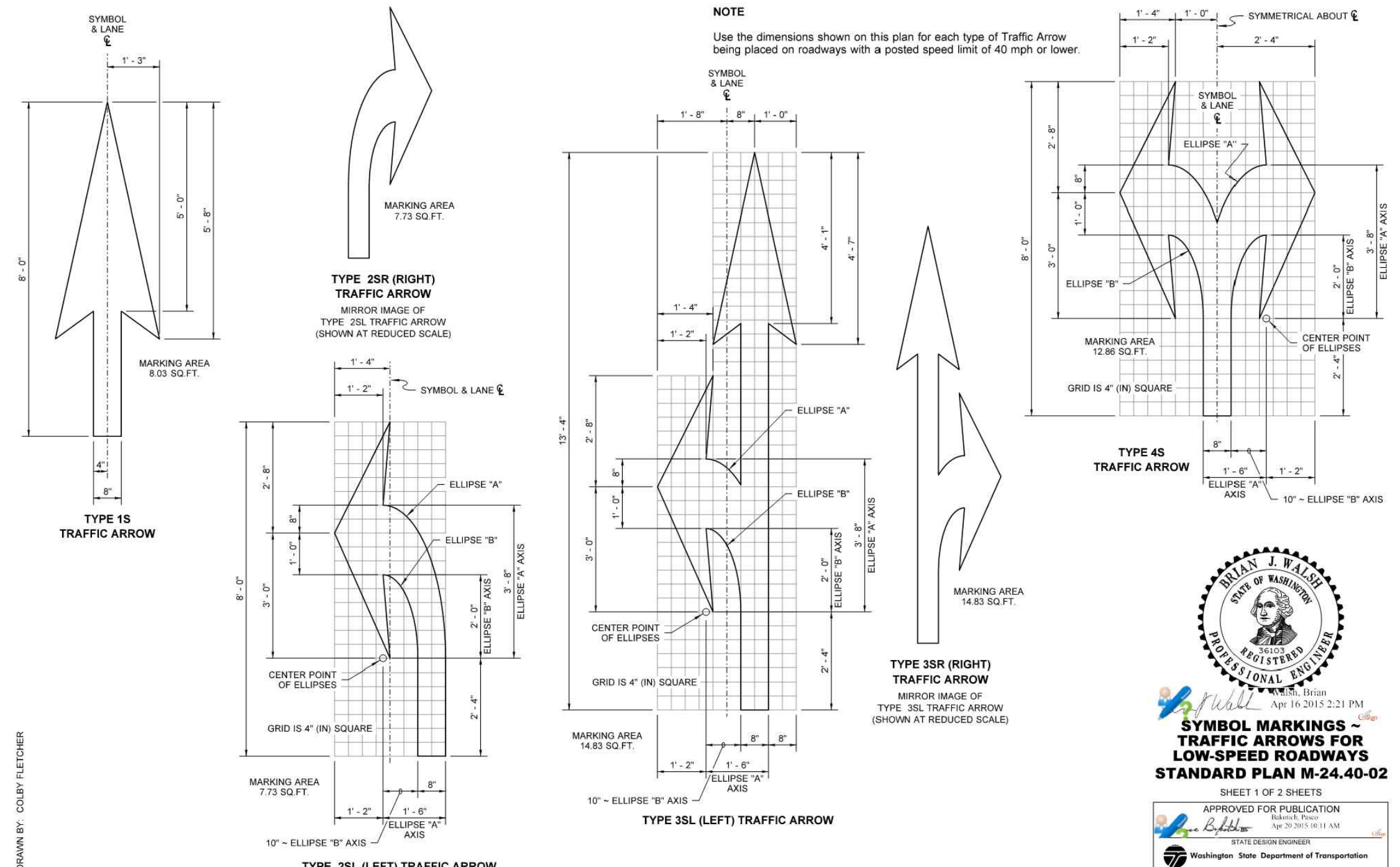


**3 DRIVEWAY PAVEMENT SECTION**  
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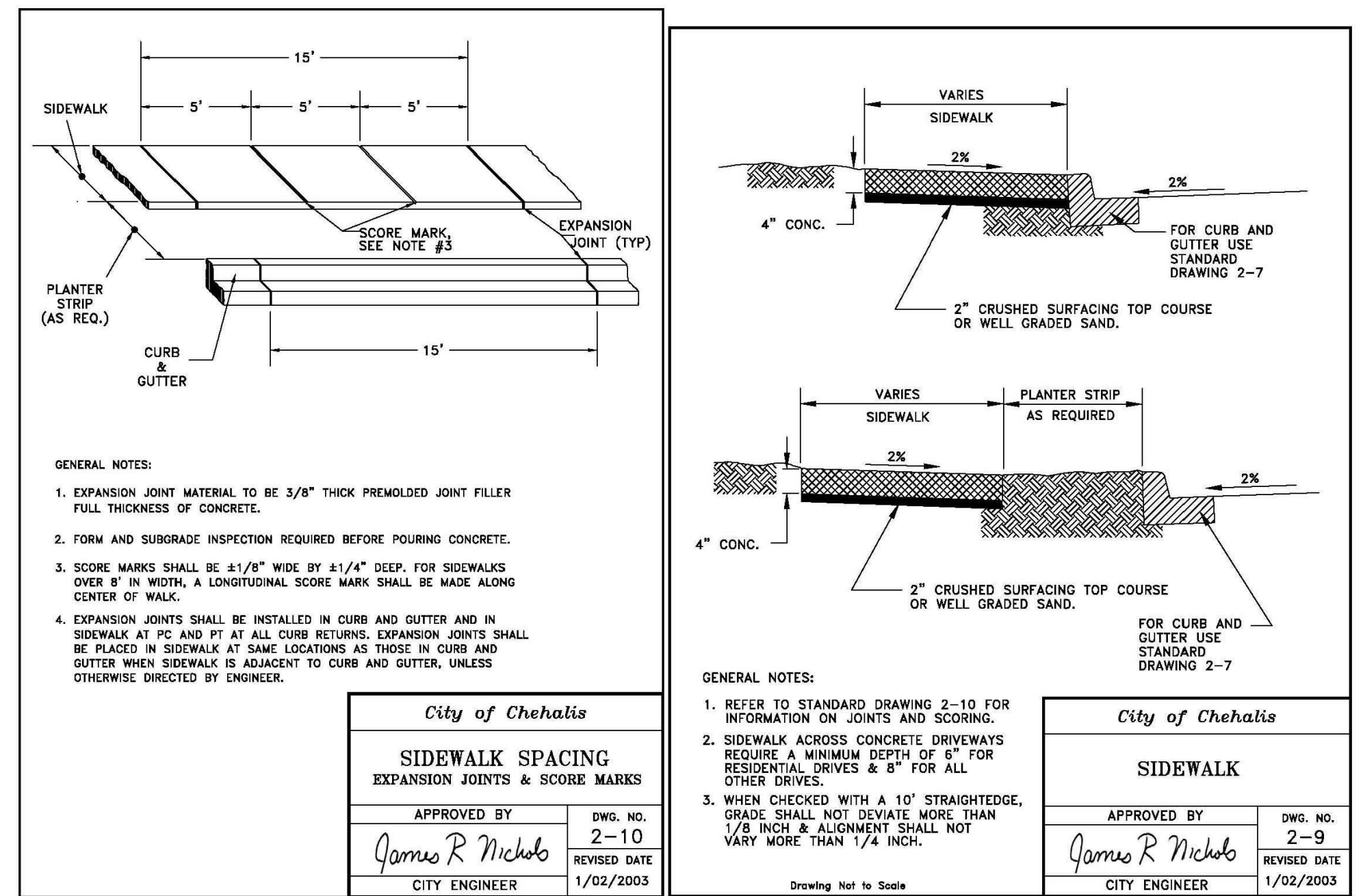


**4 GRAVEL ACCESS ROAD**  
NOT TO SCALE

**5 CEMENT CONCRETE CURB AND GUTTER**  
NOT TO SCALE



**6 TRAFFIC ARROWS FOR LOW SPEEN ROADWAYS WSDOT STANDARD PLAN M-24.40-02**  
NOT TO SCALE



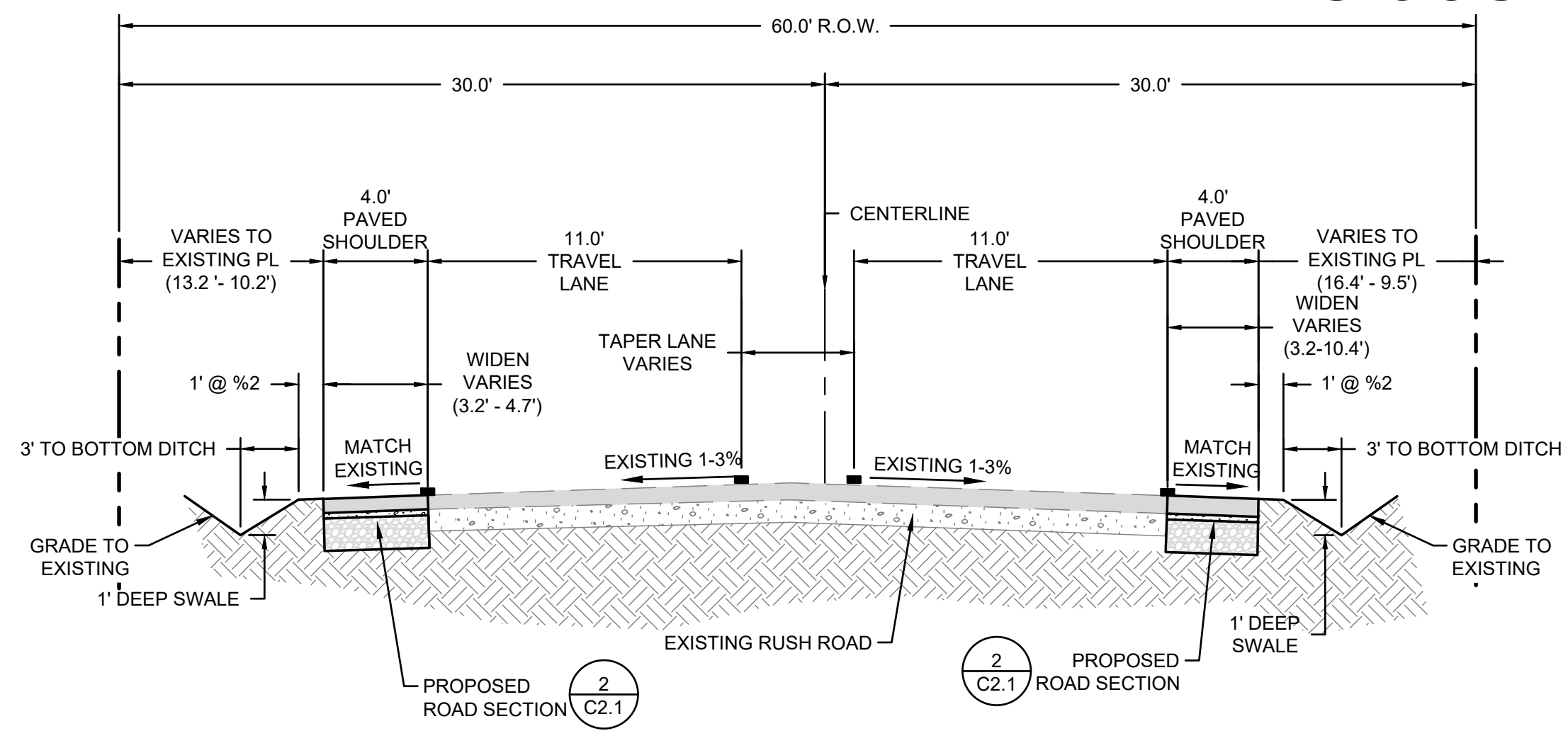
**7 SIDEWALK**  
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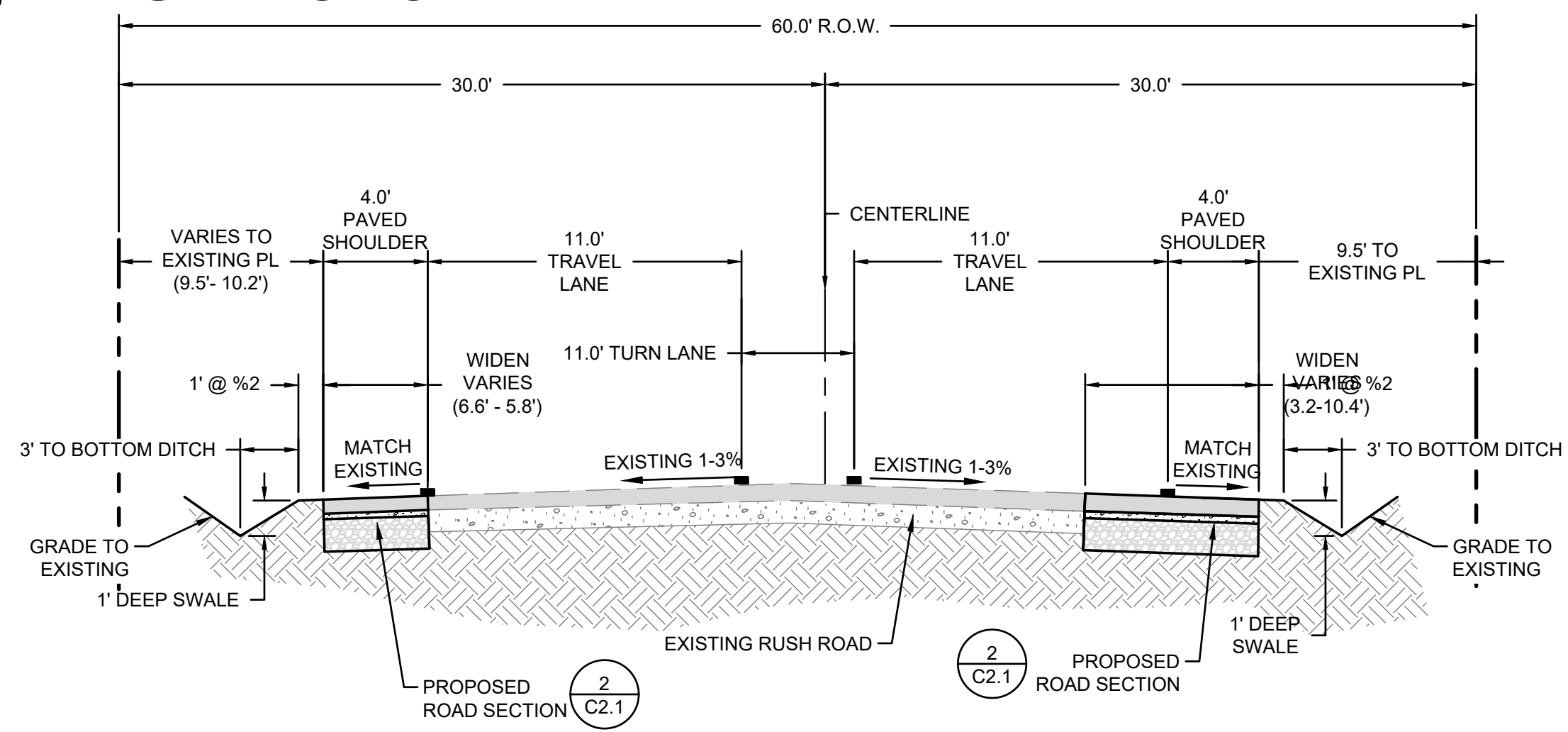
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PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.

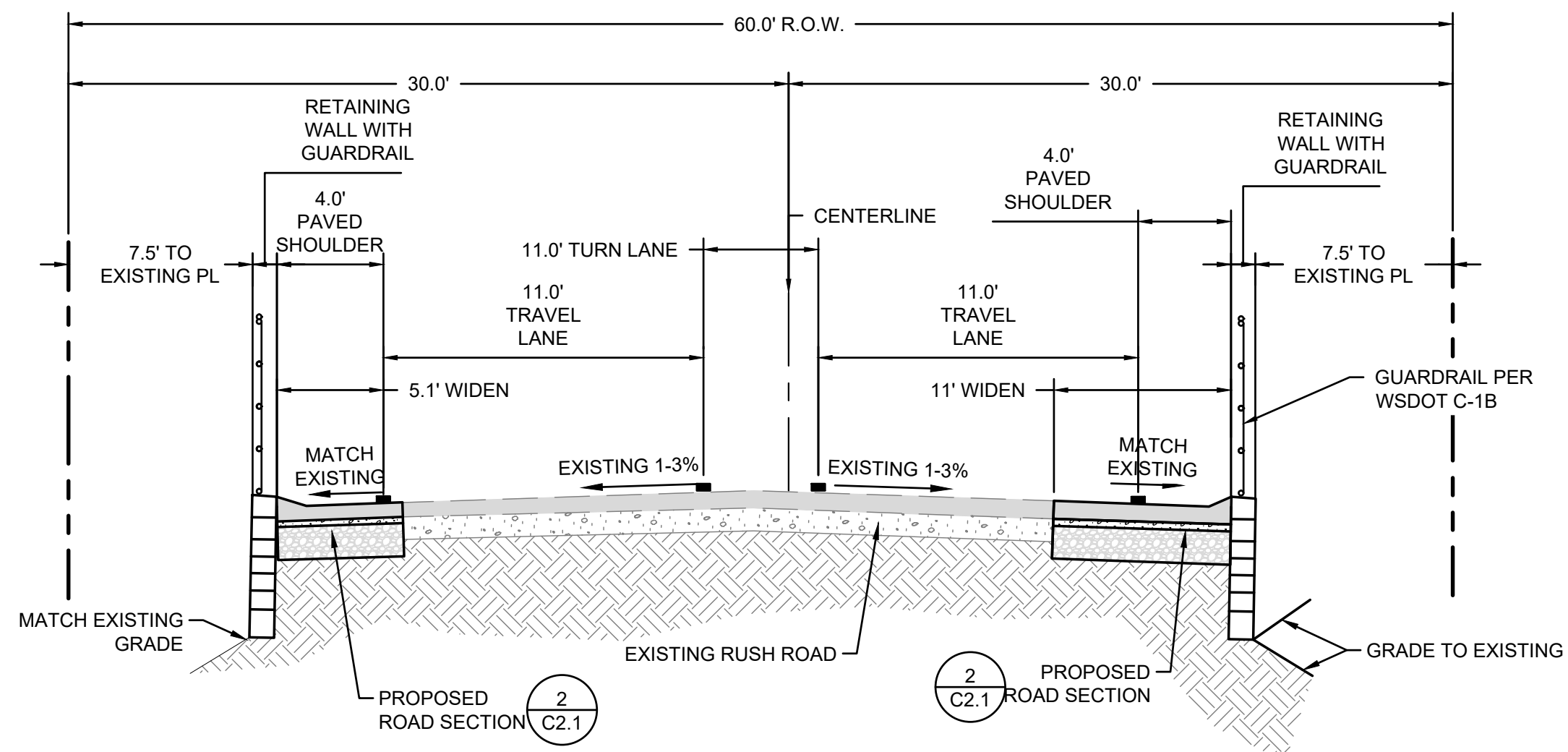
LEWIS COUNTY, WASHINGTON



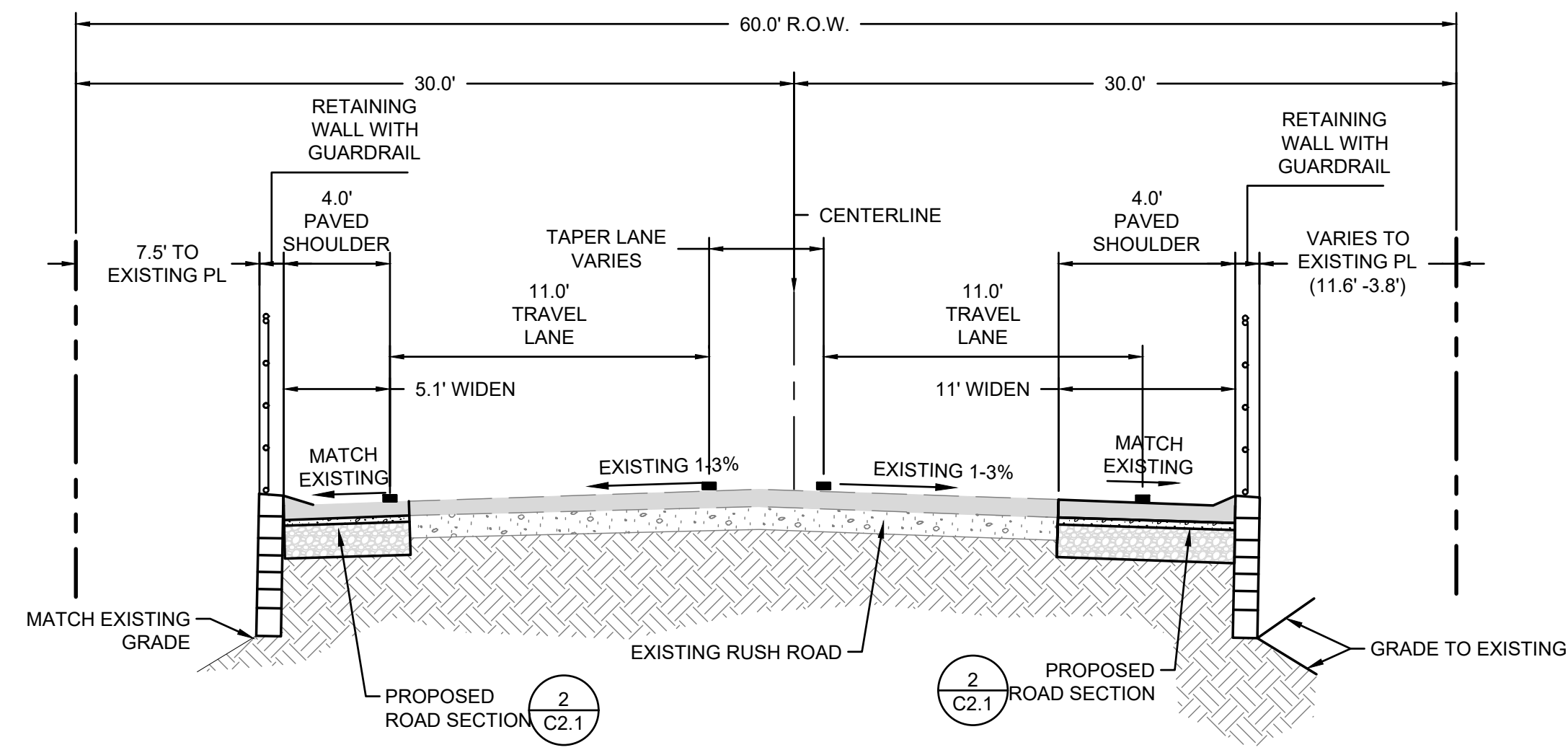
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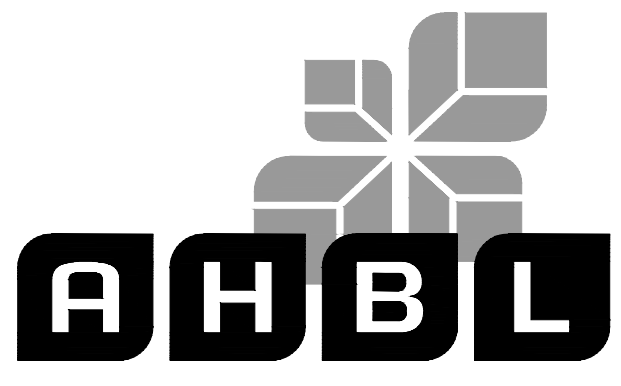
**B ROAD SECTION B STA 4+47 TO 6+51**  
NOT TO SCALE



**C ROAD SECTION C STA 7+47 TO 8+97**  
NOT TO SCALE



**D ROAD SECTION D STA 8+97 TO 10+91**  
NOT TO SCALE



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**Sheet Title:**  
**ROAD SECTIONS**

**Designed by:** MCH **Drawn by:** DJH **Checked by:** TCS

**Sheet No.**

**C2.2**

--- of 7 Sheets

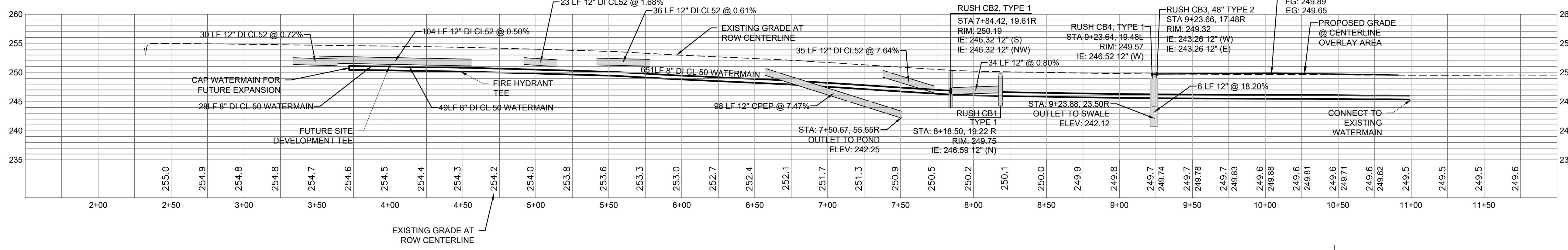
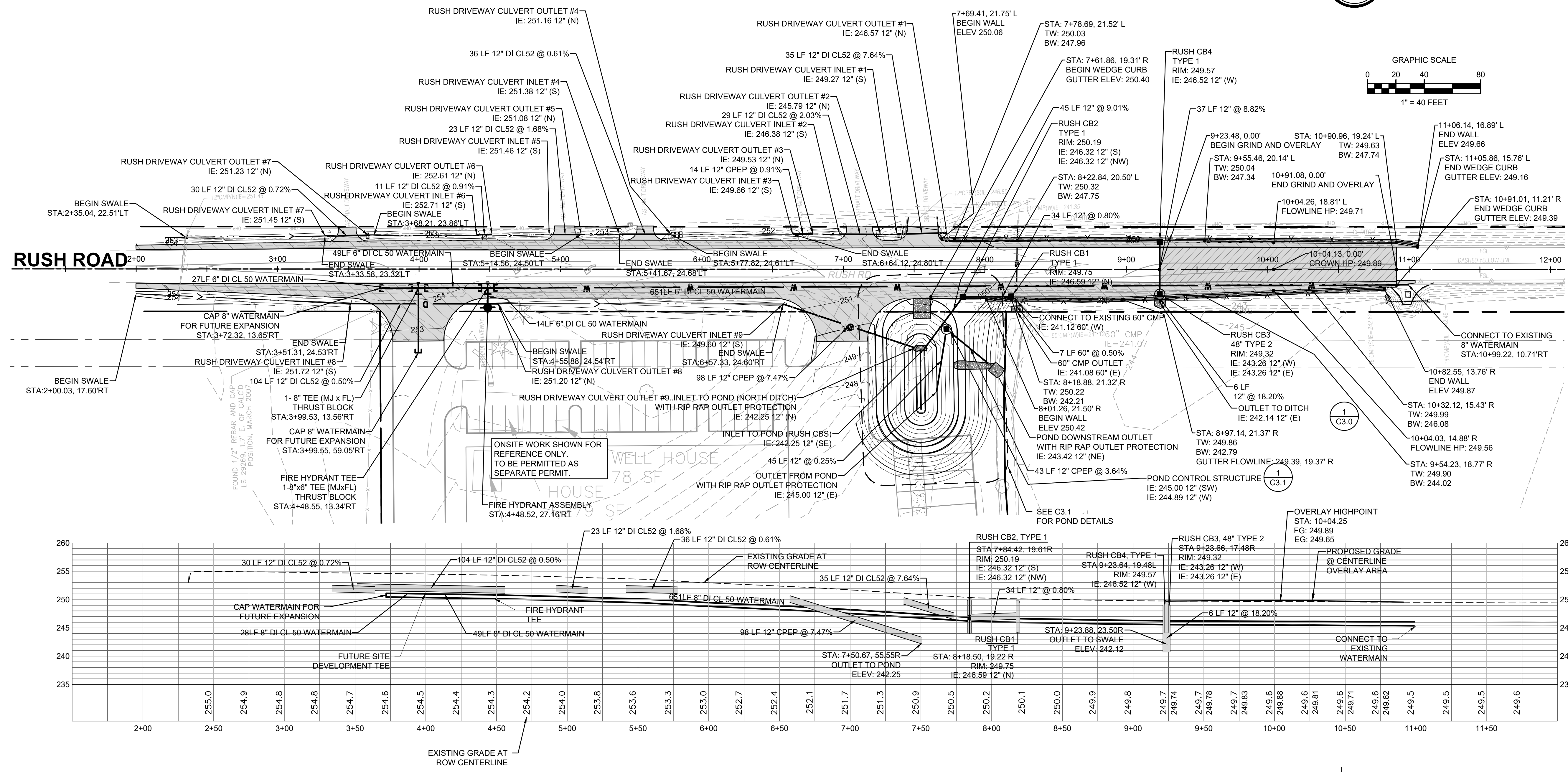
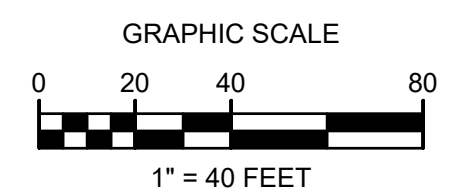
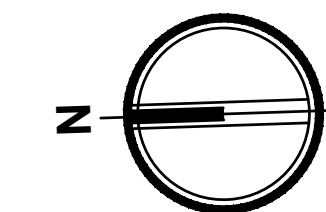


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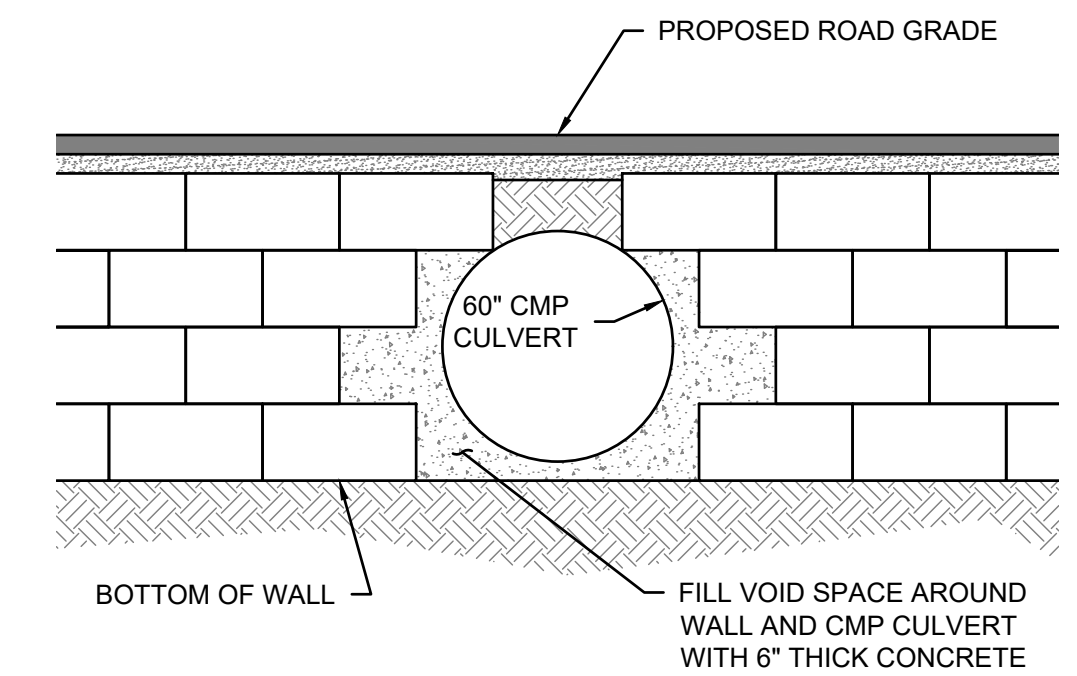
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### LEWIS COUNTY, WASHINGTON

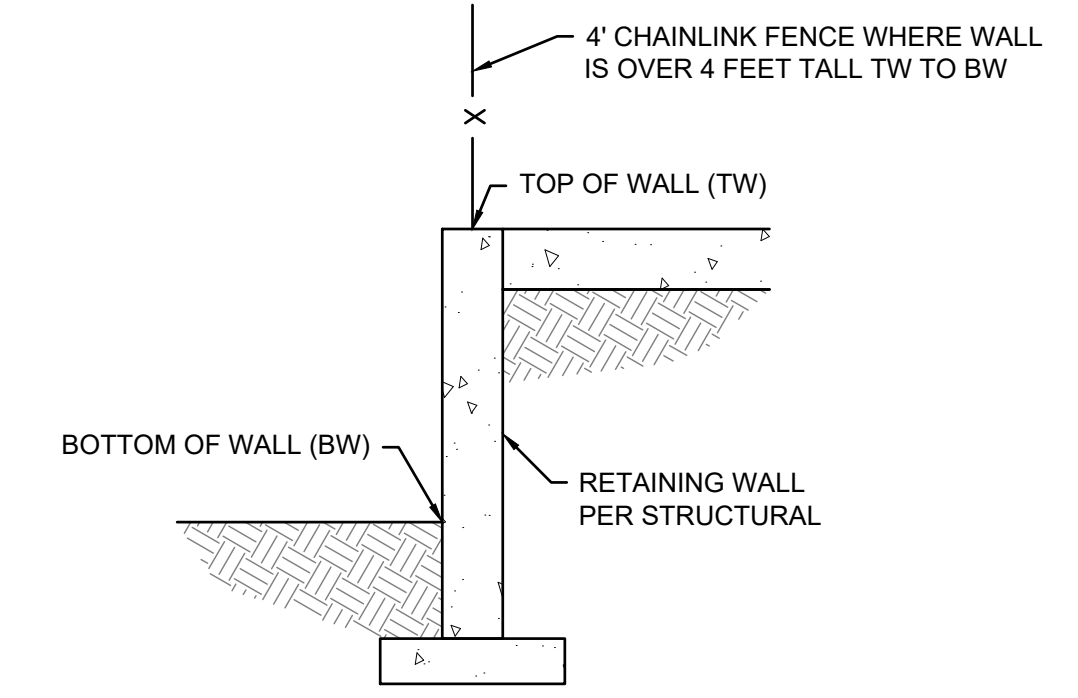


#### POND BERM & EMBANKMENT NOTES

- POND BERM EMBANKMENTS MUST BE CONSTRUCTED OF NATIVE CONSOLIDATED SOIL (OR ADEQUATELY COMPACTED STABLE FILL SOILS ANALYZED BY A GEOTECHNICAL ENGINEER) FREE OF LOOSE SURFACE SOIL MATERIALS, ROOTS, AND OTHER ORGANIC DEBRIS.
- POND BERM EMBANKMENTS GREATER THAN 4 FT IN HEIGHT MUST BE CONSTRUCTED BY EXCAVATING A KEY EQUAL TO 50 PERCENT OF THE BERM EMBANKMENT CROSS-SECTIONAL HEIGHT AND WIDTH UNLESS SPECIFIED OTHERWISE BY A GEOTECHNICAL ENGINEER.
- EMBANKMENT COMPACTION SHOULD BE ACCOMPLISHED IN SUCH A MANNER AS TO PRODUCE A DENSE, LOW PERMEABILITY ENGINEERED FILL THAT CAN TOLERATE POST-CONSTRUCTION SETTLEMENTS WITH A MINIMUM OF CRACKING. THE EMBANKMENT FILL SHOULD BE PLACED ON STABLE SUBGRADE AND COMPACTED AT A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY, ASTM PROCEDURE D698. PLACEMENT MOISTURE SHOULD LIE WITHIN 1% DRY TO 3% WET OF THE OPTIMUM MOISTURE CONTENT.
- THE BERM EMBANKMENT SHOULD BE CONSTRUCTED OF SOILS WITH THE FOLLOWING CHARACTERISTICS PER THE UNITED STATES DEPARTMENT OF AGRICULTURE'S TEXTURAL TRIANGLE: A MINIMUM OF 20% SILT AND CLAY, A MAXIMUM OF 60% SAND, A MAXIMUM 60% SILT, WITH NOMINAL GRAVEL AND COBBLE CONTENT. SOILS OUTSIDE THIS SPECIFIED RANGE CAN BE USED PROVIDED THE DESIGN SATISFACTORILY ADDRESSES THE ENGINEERING CONCERNS POSED BY THE SOILS. THE PARAMOUNT CONCERNS WITH THESE SOILS ARE THEIR SUSCEPTIBILITY TO INTERNAL EROSION OR PIPING AND TO SURFACE EROSION FROM WAVE ACTION AND RUNOFF ON THE UPSTREAM AND DOWNSTREAM SLOPE, RESPECTIVELY. NOTE: IN GENERAL, EXCAVATED GLACIAL TILL IS WELL SUITED FOR BERM EMBANKMENT MATERIAL.



**1 RETAINING WALL AT CULVERT**  
1" = 5'



**2 WALL SPOT ELEVATION NOMENCLATURE**  
NOT TO SCALE

**Project Title:**  
**I-5 CORPORATE CENTER - CHEHALIS RUSH ROAD IMPROVEMENTS**

**Client:**  
**CHEHALIS LAND L.L.C.**

601 UNION ST, SUITE 3500  
SEATTLE, WA 98101

BEN WAISS  
206.233.9600

**Job No.**  
2170121.10

**Issue Set & Date:**  
2170121.10

#### REVIEW SET

5/18/2022



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Revisions:

Sheet Title:

#### GRADING AND DRAINAGE PLAN

Designed by: MCH  
Drawn by: DJH  
Checked by: TCS

Sheet No.

**C3.0**

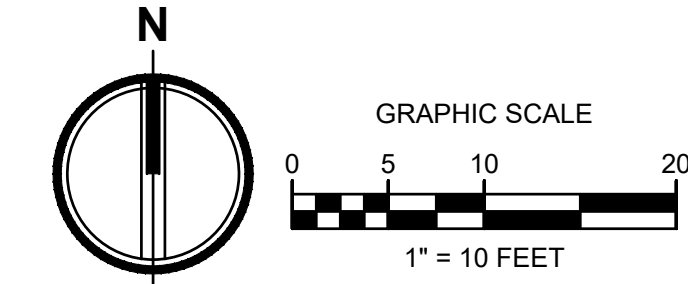
6 of 7 Sheets



# I-5 CORPORATE CENTER CHEHALIS - RUSH ROAD IMPROVEMENTS

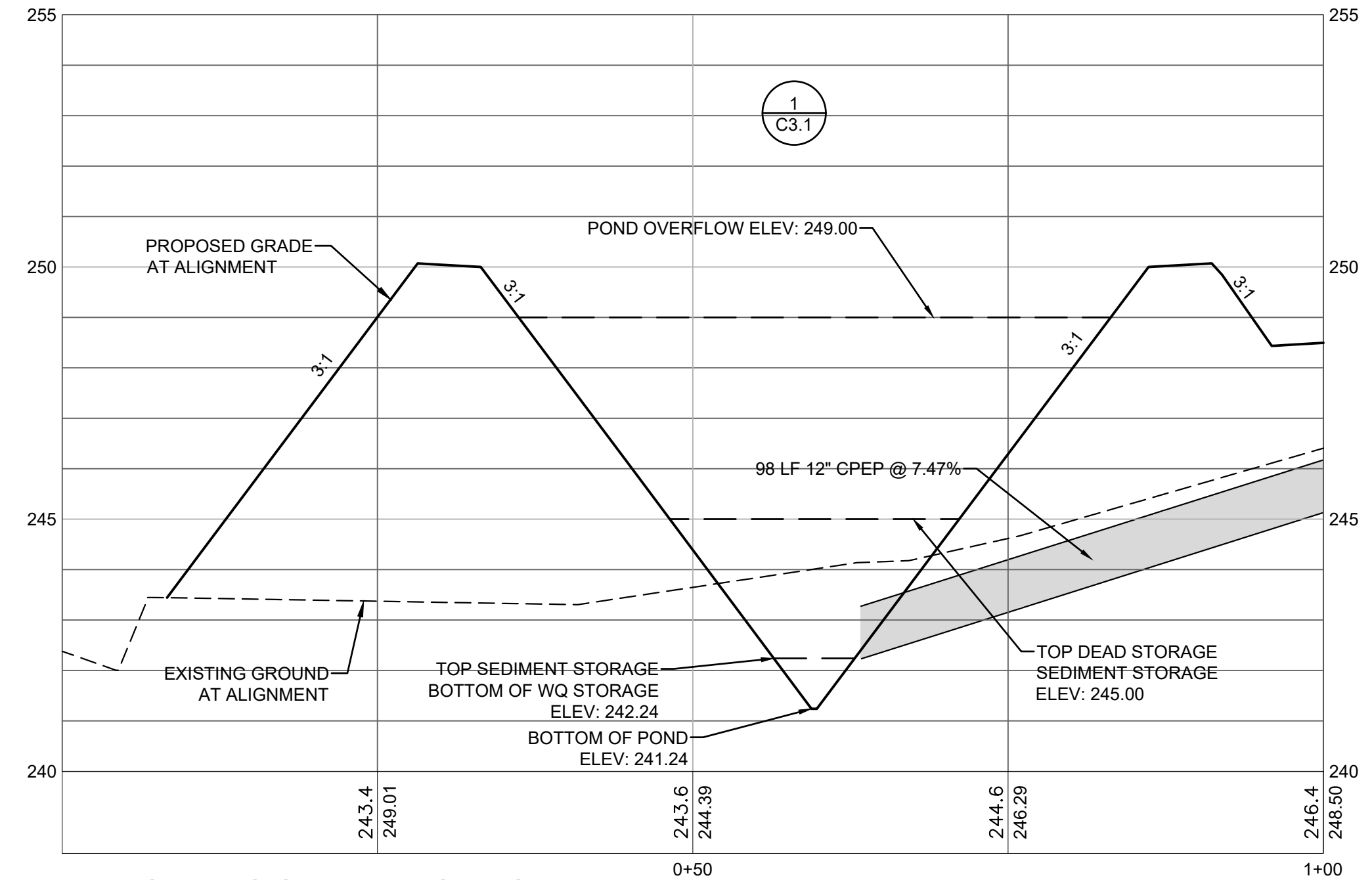
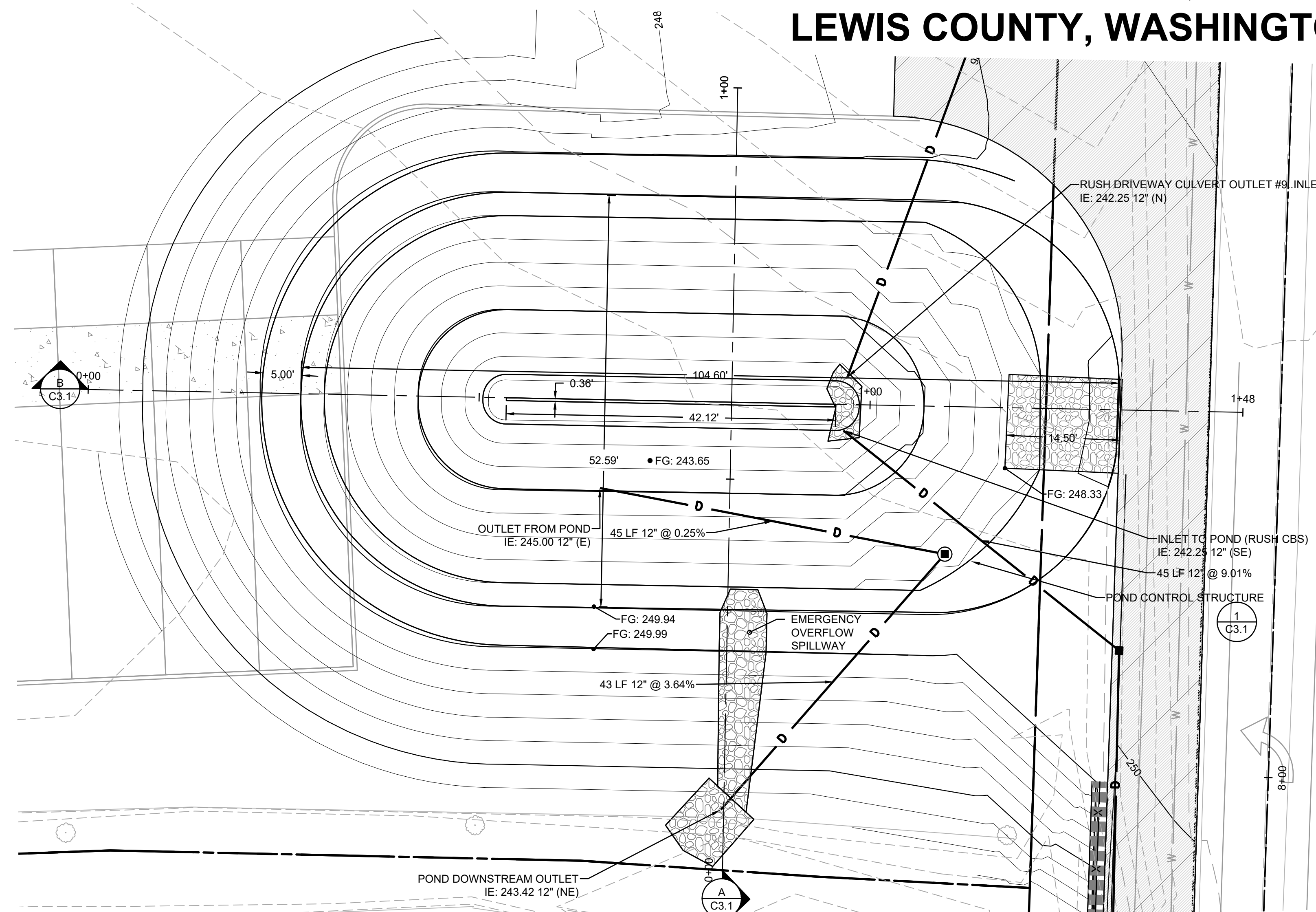
PORTION OF THE N.E. 1/4 OF SEC. 15, TWN 13N., RG 2 W., W.M.

LEWIS COUNTY, WASHINGTON

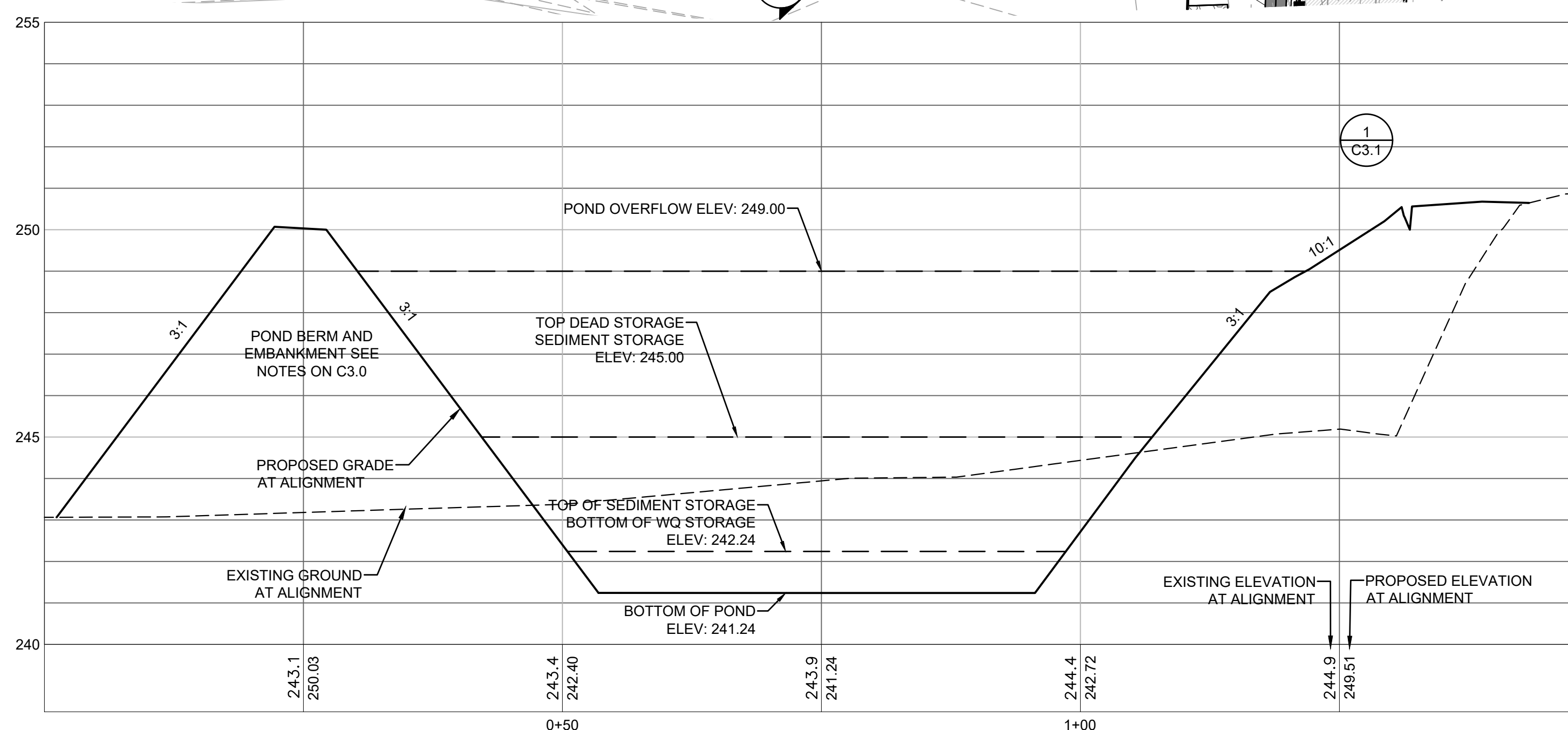


### POND VOLUME NOTE

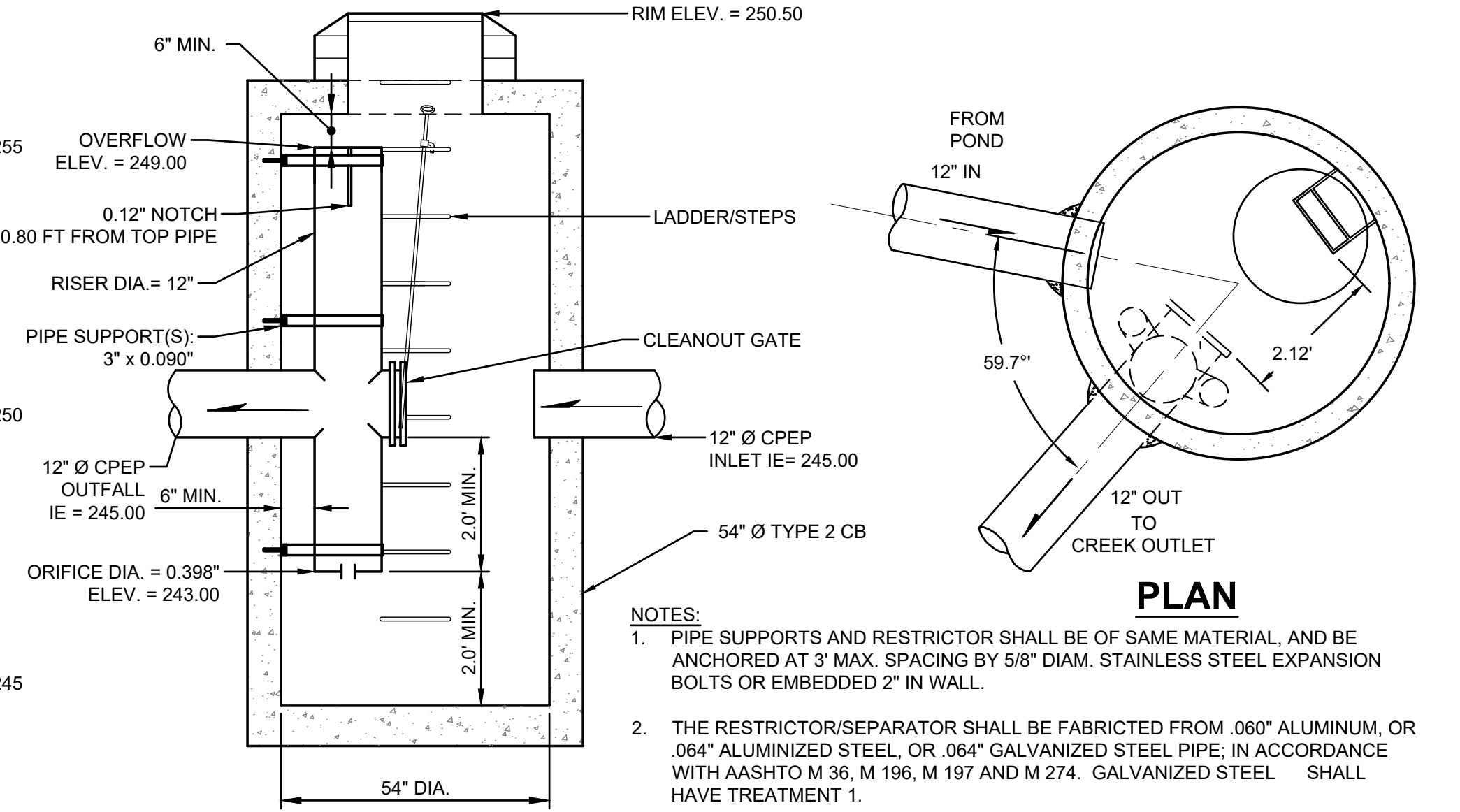
POND FC VOLUME REQUIRED FROM STORMWATER MODEL: 7,940 CF (0.182 AC-FT)  
 POND LIVE STORAGE PROVIDED IN DESIGN: 10,540 CF (0.242 AC-FT)  
 POND WQ VOLUME REQUIRED FROM STORMWATER MODEL: 2,208 CF (0.051 AC-FT)  
 POND LIVE STORAGE PROVIDED IN DESIGN: 2,305 CF (0.053 AC-FT) (PLUS SEDIMENT STORAGE)



**B POND SOUTH TO NORTH**  
 1"=10' HORIZONTAL; 1"=2.5' VERTICAL



**A POND WEST TO EAST**  
 1"=10' HORIZONTAL; 1"=2.5' VERTICAL



**CONTROL STRUCTURE DETAIL**  
 1"=10' HORIZONTAL; 1"=2.5' VERTICAL  
 NOT TO SCALE

- NOTES:**
- PIPE SUPPORTS AND RESTRICTOR SHALL BE OF SAME MATERIAL, AND BE ANCHORED AT 3' MAX. SPACING BY 5/8" DIAM. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED 2" IN WALL.
  - THE RESTRICTOR/SEPARATOR SHALL BE FABRICATED FROM .060" ALUMINUM, OR .064" ALUMINIZED STEEL, OR .064" GALVANIZED STEEL PIPE; IN ACCORDANCE WITH AASHTO M 36, M 196, M 197 AND M 274. GALVANIZED STEEL SHALL HAVE TREATMENT 1.
  - OUTLET SHALL BE CONNECTED TO DRAIN PIPE WITH A STANDARD COUPLING BAND FOR CORRUGATED METAL PIPE.
  - THE VERTICAL RISER STEM OF THE RESTRICTOR SHALL BE THE SAME DIAMETER AS THE HORIZONTAL OUTLET PIPE.
  - FRAME AND LADDER OR STEPS OFFSET SO THAT:
    - A. CLEANOUT GATE IS VISIBLE FROM TOP
    - B. CLIMB DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
    - C. FRAME IS CLEAR OF CURB.

### Project Title:

## I-5 CORPORATE CENTER - CHEHALIS RUSH ROAD IMPROVEMENTS

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Revisions:


Sheet Title:

### POND DETAILS

Designed by: MCH    Drawn by: DJH    Checked by: TCS

Sheet No.

**C3.1**  
 7 of 7 Sheets

