



# ABBREVIATIONS

AC	ACRE, ASPHALT CONCRETE PAVEMENT	LB	POUND(-S)
ACOE	ARMY CORPS OF ENGINEERS	LF	LINEAR FEET
AD	AREA DRAIN	LONG.	LONGITUDINAL
AGG	AGGREGATE	LT	LEFT
AIR	AIR RELIEF	MAX	MAXIMUM
AMSL	ABOVE MEAN SEA LEVEL	MFA	MAUL FOSTER & ALONGI, INC.
AP	ANGLE POINT	MFR	MANUFACTURER
APPD	APPROVED	MH	MANHOLE
APPROX. ±	APPROXIMATE(-E, -LY)	MIC	MONUMENT (IN CASE)
ASPH	ASPHALT	MIN	MINIMUM, MINUTE
ASSY	ASSEMBLY	MISC	MISCELLANEOUS
BCR	BEGIN CURB RETURN	MJ	MECHANICAL JOINT
BF	BUTTERFLY	MON	MONUMENT (SURFACE)
BGS	BELOW GROUND SURFACE	MW	MONITORING WELL
BLDG	BUILDING	N	NORTH
BLVD	BOULEVARD	N/A	NOT APPLICABLE
BM	BENCHMARK	NAT G, NG	NATURAL GAS
BMP	BEST MANAGEMENT PRACTICE	NE	NORTHEAST
BO	BLOW-OFF	NO.	NUMBER
BOC	BACK OF CURB	NTS	NOT TO SCALE
BOT, BTM	BOTTOM	NW	NORTHWEST
B.O.W.	BOTTOM OF WALL	OC	ON CENTER
BVC	BEGINNING VERTICAL CURVE	OD	OUTSIDE DIAMETER
CB	CATCH BASIN	OHP	OVERHEAD POWER
CDF	CONTROLLED DENSITY FILL	OT	OWNERSHIP TIE
CEM	CEMENT	P	PIPE
CF	CUBIC FEET	P TRAN	PAD MOUNTED TRANSFORMER
CFS	CUBIC FEET PER SECOND	PC	POINT OF CURVATURE
CIP	CAST IRON PIPE	PCC	PORTLAND CEMENT CONCRETE
CIR	CIRCLE	PEN	PENETRATION
CK	CHECK	PERF	PERFORATED(-E, -ED, -ES, -ION)
CL, CL	CENTERLINE	P.L., PL	PROPERTY LINE, PLACE
CMP	CORRUGATED METAL PIPE	POW V	POWER VAULT
CO	CLEANOUT	PP	POWER POLE
COMP	COMPACTION	PROP.	PROPOSED
CONC	CONCRETE	PS	PUMP STATION
CPE	CORRUGATED POLYETHYLENE	PSF	POUNDS PER SQUARE FOOT
CPL	COUPLING	PSI	POUNDS PER SQUARE INCH
CT	COURT	PT	POINT OF TANGENT
CTR	CENTER	PV	PLUG VALVE
CULV	CULVERT	PVI	POINT OF VERTICAL INTERSECTION
CY	CUBIC YARD	PVC	POLYVINYL CHLORIDE
D	DEPTH	PVMT	PAVEMENT
DEG	DEGREE(-S)	R, RAD	RADIUS
DI	DUCTILE IRON	RC	REINFORCED CONCRETE
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIM.	DIMENSION(-S)	RD	ROOF DRAIN
DIP, D.I.P.	DUCTILE IRON PIPE	RED	REDUCER
DOT	DEPARTMENT OF TRANSPORTATION	REQD	REQUIRED
DR	DIMENSION RATIO	REQT	REQUIREMENT
DT	DETAIL	REV	REVISION
DW	DRY WELL	R/W, ROW	RIGHT OF WAY
DWG(S)	DRAWING(-S)	RT	RIGHT
E	EAST	S	SOUTH, SLOPE
EA	EACH	SSWR	SANITARY
ECR	END CURB RETURN	SB	SOIL BORING
EG	EXISTING GROUND	SCH	SCHEDULE
EL, ELEV	ELEVATION	SD	STORM DRAIN
ELB, ELL	ELBOW	SDR	STANDARD DIMENSION RATIO
SE	ELECTRIC(-AL)	SE	SOUTHEAST
ENGR	ENGINEER	SF	SQUARE FEET
ENR	ENTRANCE	SHT	SHEET
EP, EOP	EDGE OF PAVEMENT	SL	SLOPE
EQ	EQUAL(-LY)	SPEC	SPECIFICATIONS
ESC	EROSION CONTROL	SQ	SQUARE
ESMT	EASEMENT	SQ IN	SQUARE INCHES
EST	ESTIMATE(-D)	SRF	SURFACE
EVC	END VERTICAL CURVE	ST	STREET
EXC	EXCAVATE	STA	STATION
EX., EXTG.	EXISTING	STD	STANDARD
EW	EACH WAY	STL	STEEL
FF	FINISH FLOOR	STRM	STORM
FG	FINISH GRADE	STRUCT	STRUCTURE(-E, -AL)
FH	FIRE HYDRANT	SW, SW	SIDEWALK, SOUTHWEST
FL	FLOW LINE	TB	THRUST BLOCK
FLG	FLANGE	TBM	TEMPORARY BENCHMARK
FM	FORCE MAIN	TC	TOP OF CURB
FT	FEET, FOOT	TEL, TELE	TELEPHONE
GAL	GALLON(-S)	TEMP	TEMPORARY
GM	GAS METER	TW	TOP OF WALL
GND	GROUND	TP	TOP OF PAVEMENT, TEL POLE, TURNING POINT
GP	GUARD POST	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UG	UNDERGROUND
GRD	GRADE	UGE	UNDERGROUND ELECTRIC
GV	GAS VALVE, GATE VALVE	VC	VERTICAL CURVE
HDPE	HIGH DENSITY POLYETHYLENE	VERT	VERTICAL
HGT, HT	HEIGHT	VOL	VOLUME
HP	HORSEPOWER	W	WIDTH, WIDE; WEST
HORZ	HORIZONTAL	W/	WITH
HYD	HYDRANT	WC	WITNESS CORNER
ID	INSIDE DIAMETER	WM	WATER METER
IE	INVERT ELEVATION	W/O	WITHOUT
IN	INCH(-ES)	WSE	WATER SURFACE ELEVATION
IP	IRON PIPE	WTR	WATER
INTX	INTERSECTION	WV	GATE/GENERAL WATER VALVE
INV	INVERT	YD	YARD
L	LENGTH	YR	YEAR
LAT	LATERAL		

# GENERAL LEGEND

## GAS/POWER/TELEPHONE SYMBOLS

SYMBOL		DESCRIPTION
EXIST.	PROP.	
		GAS METER GAS VALVE
		PAD MOUNTED TRANSFORMER POWER VAULT
		TRANSMISSION TOWER UTILITY POLE
		TELEPHONE RISER TELEPHONE VAULT
		LIGHT POLE

## SURVEY SYMBOLS

SYMBOL		DESCRIPTION
THEOR./EXIST.	FOUND/PROP.	
		ANGLE POINT BENCH MARK
		BLOCK CORNER IRON PIPE
		MONUMENT
		OWNERSHIP TIE
		SECTION DATA:
		SECTION CENTER
		SECTION CORNER
		QUARTER CORNER
		SIXTEENTH CORNER
		CLOSING CORNER
		MEANDER CORNER
		WITNESS CORNER
		SOIL BORING
		SPOT ELEVATION

EXISTING GRADE MAJOR CONTOUR		----- 27 -----
EXISTING GRADE MINOR CONTOUR		----- 27 -----
EXISTING STORM DRAIN PIPE		----- SD <sub>x</sub> -----
EXISTING WATER PIPE		----- W <sub>x</sub> -----
EXISTING SANITARY SEWER PIPE		----- SS <sub>x</sub> -----
EXISTING AC PAVEMENT		
EXISTING CONCRETE SURFACING		
EXISTING GRAVEL SURFACING		
EXISTING BUILDING		
EXISTING FENCE LINE		----- □ -----
EXISTING ROAD CENTERLINE		----- - - - - -
EXISTING RIGHT-OF-WAY		----- - - - - -
EXISTING PROPERTY LINE		----- PL -----

## WATER SYMBOLS

SYMBOL		DESCRIPTION
EXIST.	PROP.	
		CAP/PLUG COUPLING
		GUARD POST / BOLLARD REDUCER
		THRUST BLOCK WATER METER
		DOUBLE CHECK VALVE ASSEMBLY FIRE HYDRANT
		AIR RELIEF BLOW-OFF VALVE
		CHECK VALVE GATE VALVE
BENDS:		
		90 DEGREE BEND 45 DEGREE BEND
		22.5 DEGREE BEND 11.25 DEGREE BEND
		VERTICAL BEND TEE
		CROSS

## SANITARY/STORM SEWER SYMBOLS

SYMBOL		DESCRIPTION
EXIST.	PROP.	
		SAN. SEWER CLEAN OUT SAN. SEWER MANHOLE
		STORM DRAIN CATCH BASIN STORM DRAIN CULVERT
		STORM DRAIN MANHOLE DRY WELL
		AREA DRAIN

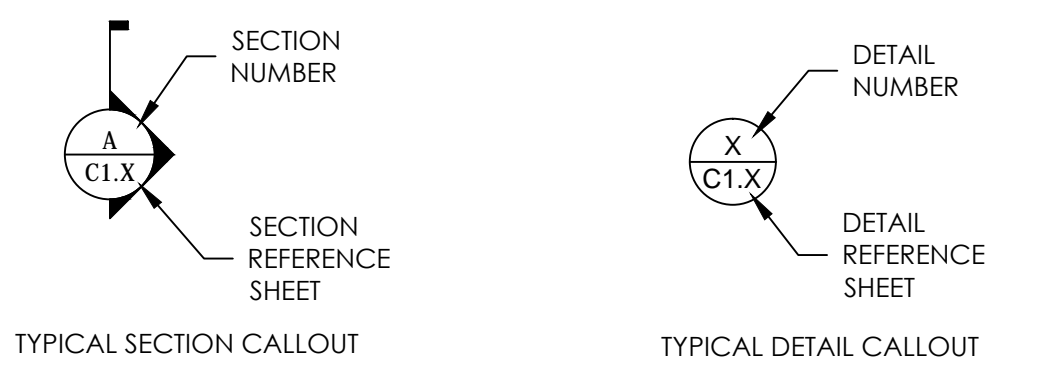
PROPOSED GRADE MAJOR CONTOUR (1.0' INTERVAL)		----- 27 -----
PROPOSED GRADE MINOR CONTOUR (0.2' INTERVAL)		----- 27 -----
PROPOSED STORM DRAIN PIPE		----- SD <sub>x</sub> -----
PROPOSED WATER PIPE		----- W <sub>x</sub> -----
PROPOSED SANITARY SEWER PIPE		----- SS <sub>x</sub> -----
PROPOSED PERVIOUS CONCRETE PAVEMENT		
PROPOSED AC PAVEMENT		
PROPOSED CONCRETE SURFACING		
PROPOSED GRAVEL SURFACING		
PROPOSED BUILDING		
PROPOSED FENCE LINE		----- X X X -----
PROPOSED ROAD CENTERLINE		----- - - - - -
PROPOSED RIGHT-OF-WAY		----- - - - - -
PROPOSED PROPERTY LINE		----- PL -----

## CHANNELIZATION SYMBOLS

SYMBOL		DESCRIPTION
EXIST.	PROP.	
		BIKE PATH HANDICAP SYMBOL
		STOP
RAISED MARKERS:		
		LANE MARKERS TYPE I LANE MARKERS TYPE II
		SIGN

## MISCELLANEOUS SYMBOLS

SYMBOL		DESCRIPTION
EXIST.	PROP.	
		MONITORING WELL INLET PROTECTION PILLOW
		CONSTRUCTION ENTRANCE PROPOSED SPOT SHOT



LOWER GRAND INDUSTRIAL AREA

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VANCOUVER, WASHINGTON

ISSUE	DATE	DESCRIPTION

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DESIGNED: C. GOKCORO  
DRAWN: Z. PYLE  
CHECKED: S. FROST  
SCALE

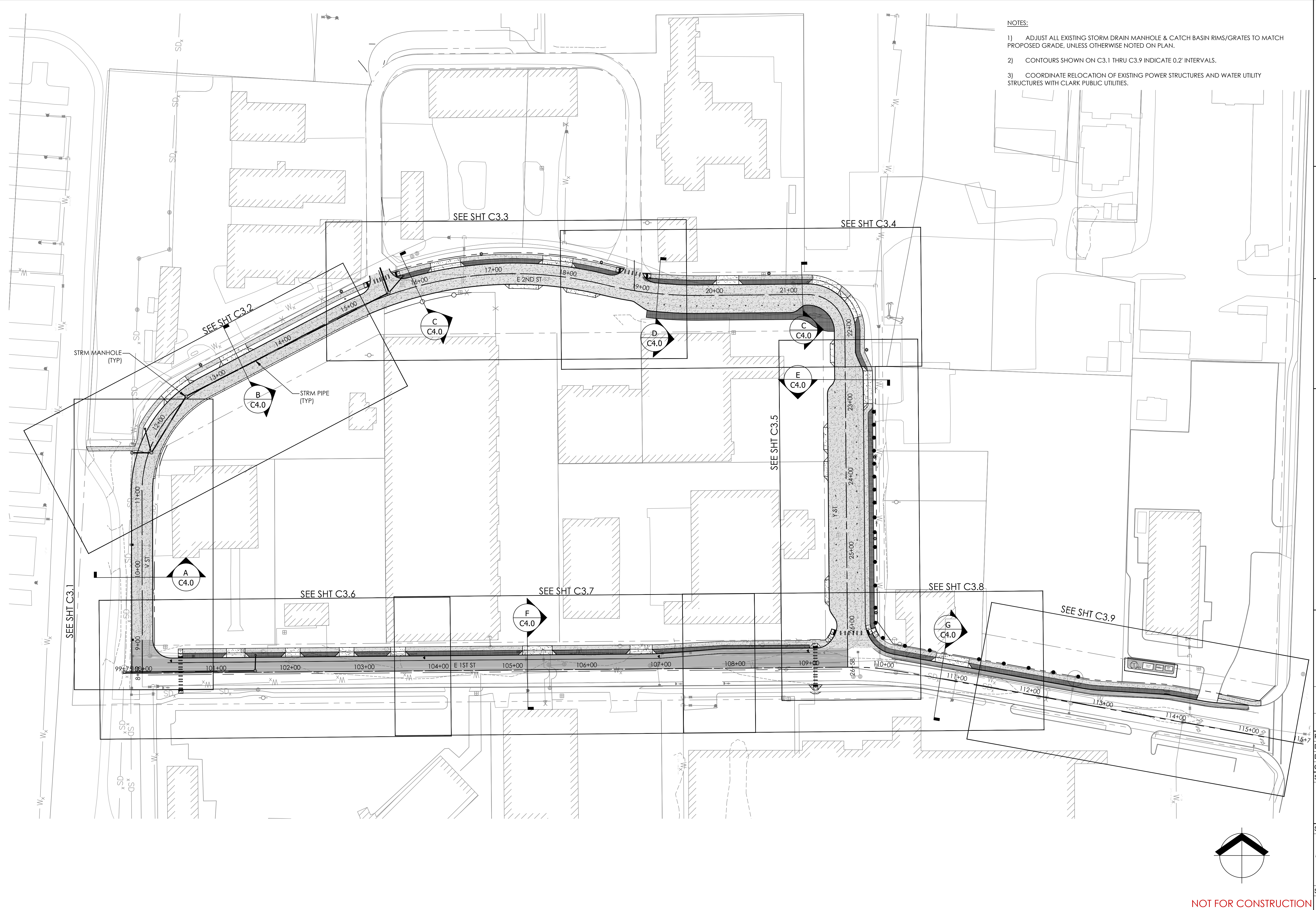
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**MASTER LEGEND**

SHEET  
C1.1

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- NOTES:
- 1) ADJUST ALL EXISTING STORM DRAIN MANHOLE & CATCH BASIN RIMS/GRATES TO MATCH PROPOSED GRADE, UNLESS OTHERWISE NOTED ON PLAN.
  - 2) CONTOURS SHOWN ON C3.1 THRU C3.9 INDICATE 0.2' INTERVALS.
  - 3) COORDINATE RELOCATION OF EXISTING POWER STRUCTURES AND WATER UTILITY STRUCTURES WITH CLARK PUBLIC UTILITIES.

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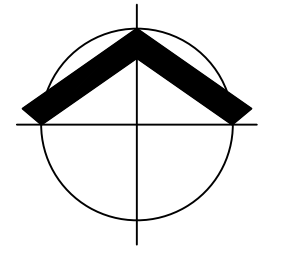
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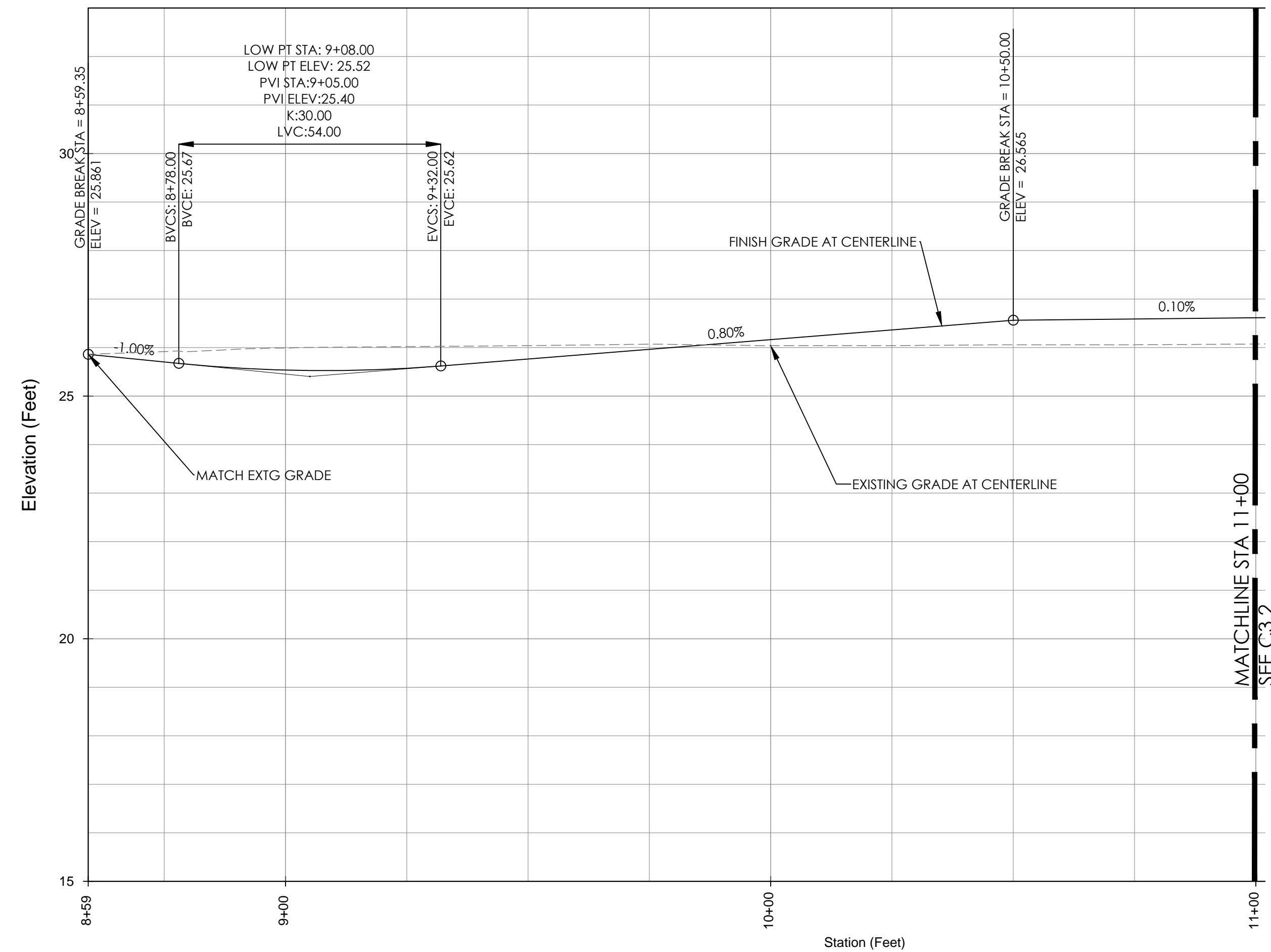
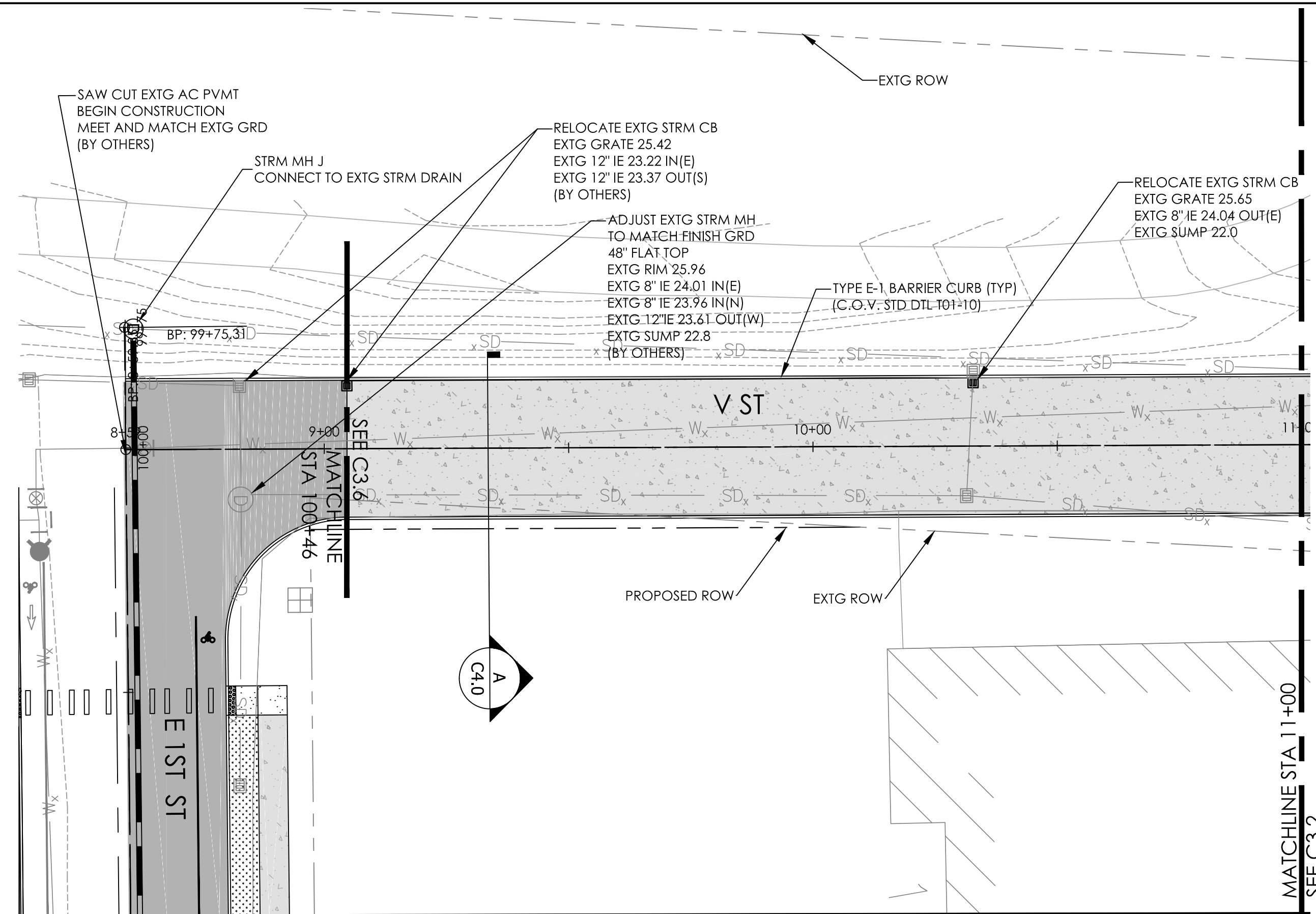
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 DRAWN: Z.PYLE  
 CHECKED: S. FROST  
 SCALE  
 0 60' 120'

SHEET TITLE  
**MASTER STREET AND STORMWATER PLAN**  
 SHEET  
**C3.0**



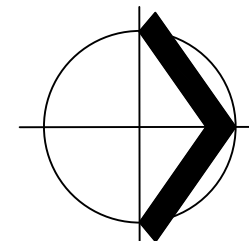
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PROFILE VIEW OF V St - E 2nd St - Y St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10

NOTE:  
 FUTURE IMPROVEMENTS OF E 1 ST STREET BY OTHERS; NOT PART OF ECOLOGY GRANT APPLICATION



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 VANCOUVER, WASHINGTON

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 DRAWN: Z. PYLE  
 CHECKED: S. FROST  
 SCALE  
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SHEET TITLE  
 STREET AND STORMWATER PLAN AND PROFILE  
 STA 8+59 TO 11+00  
 SHEET  
 C3.1

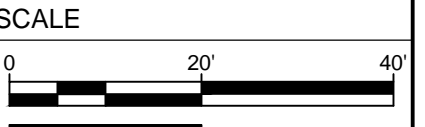
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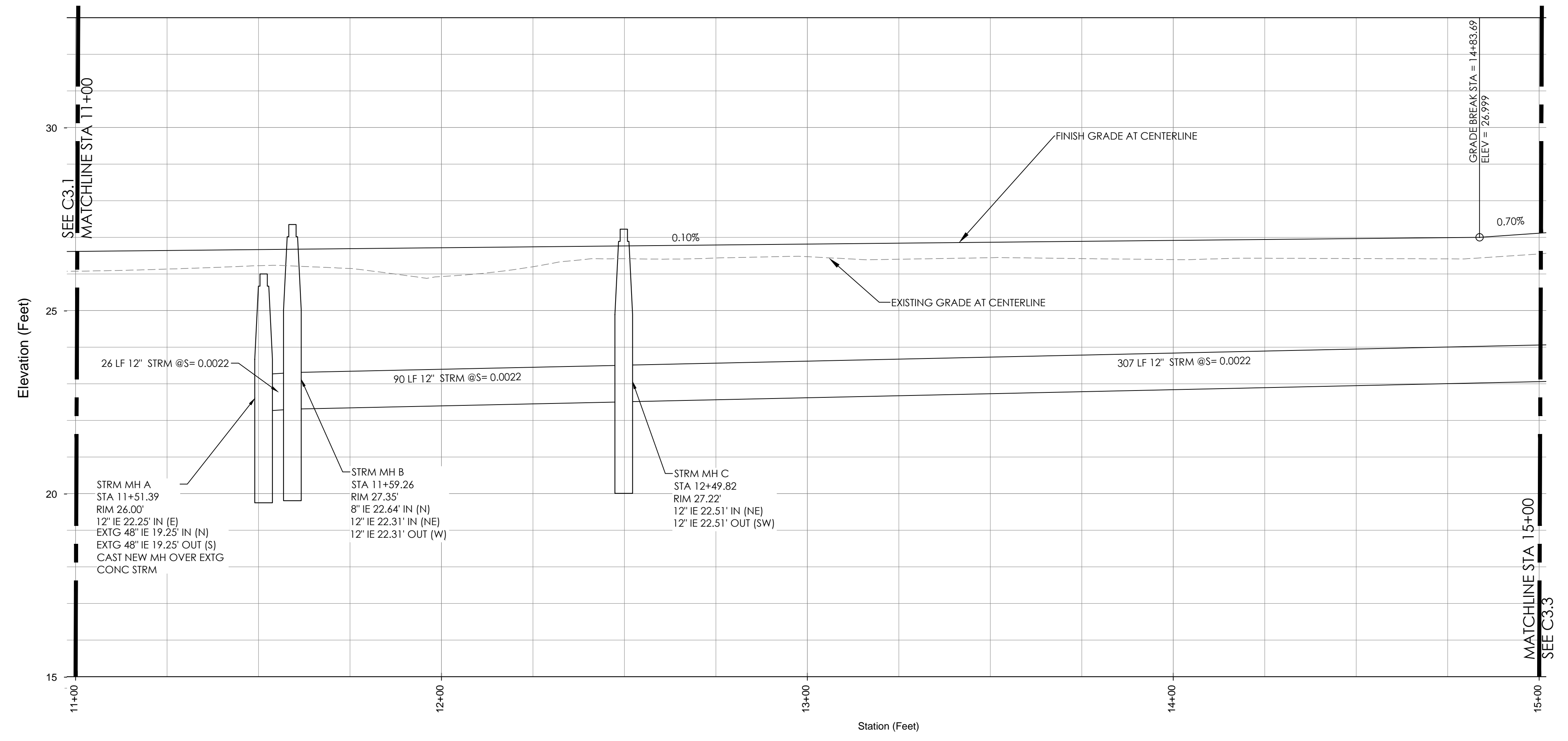
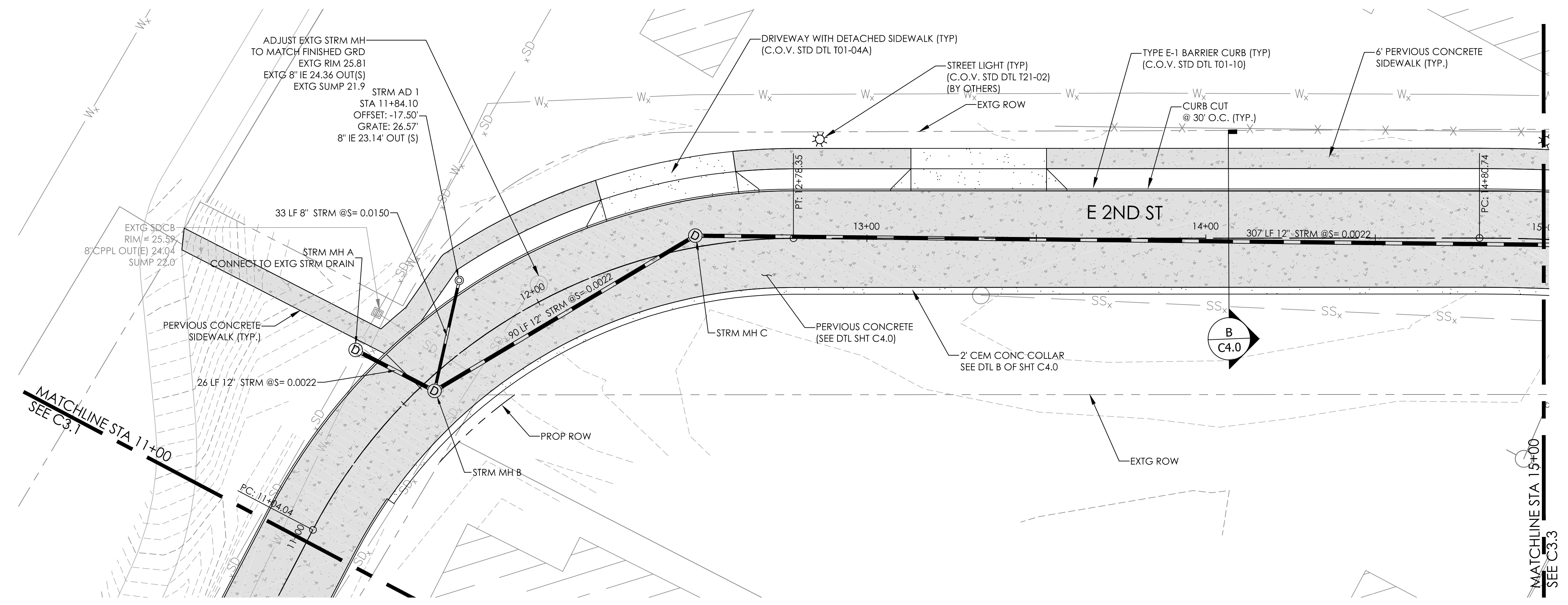
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PROJECT: 0363.08.01  
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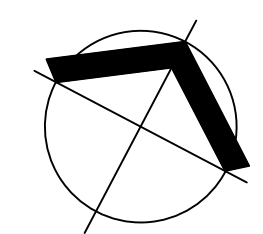


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SHEET TITLE  
**STREET AND STORMWATER PLAN AND PROFILE**  
 STA 11+00 TO 15+00  
 SHEET



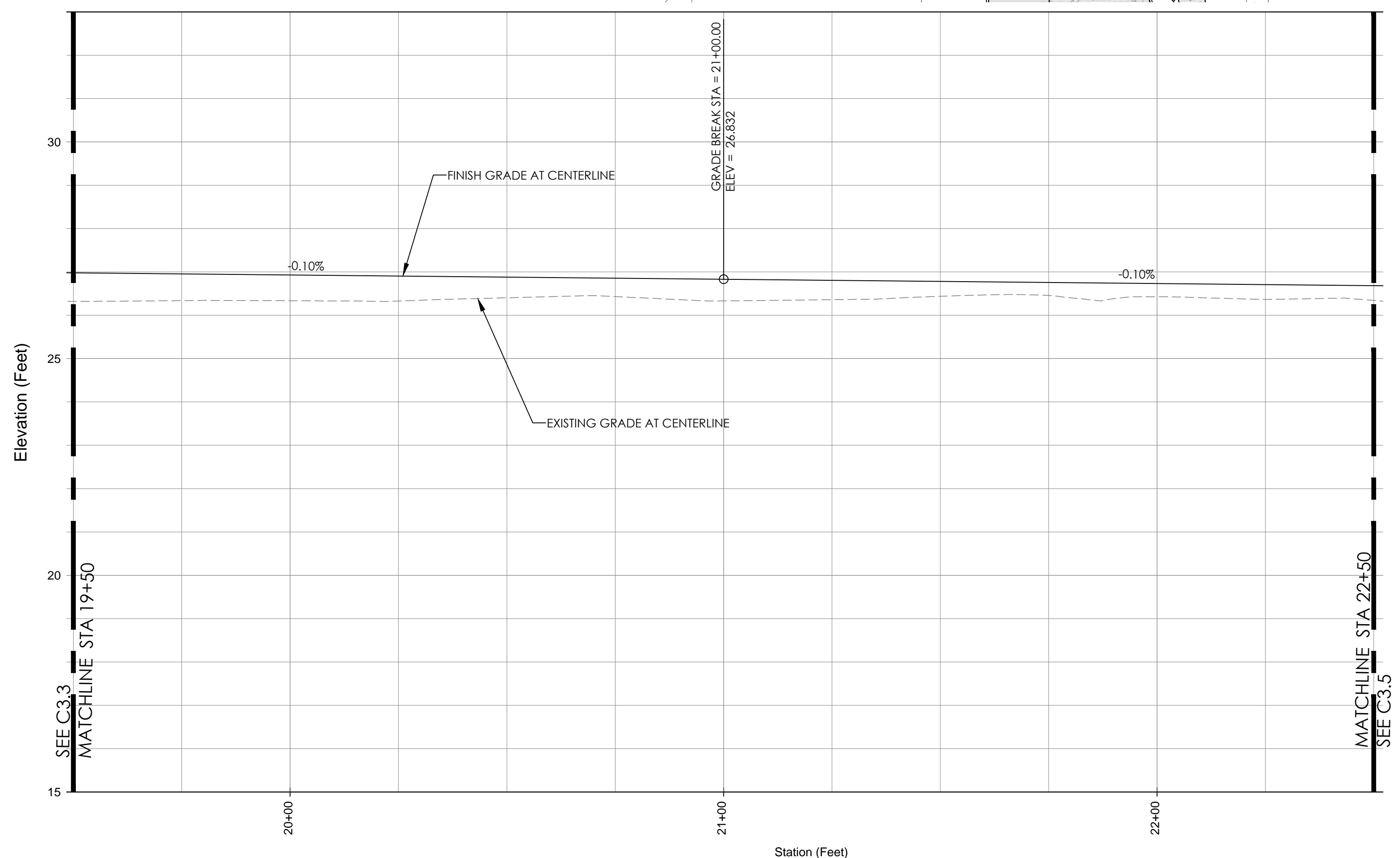
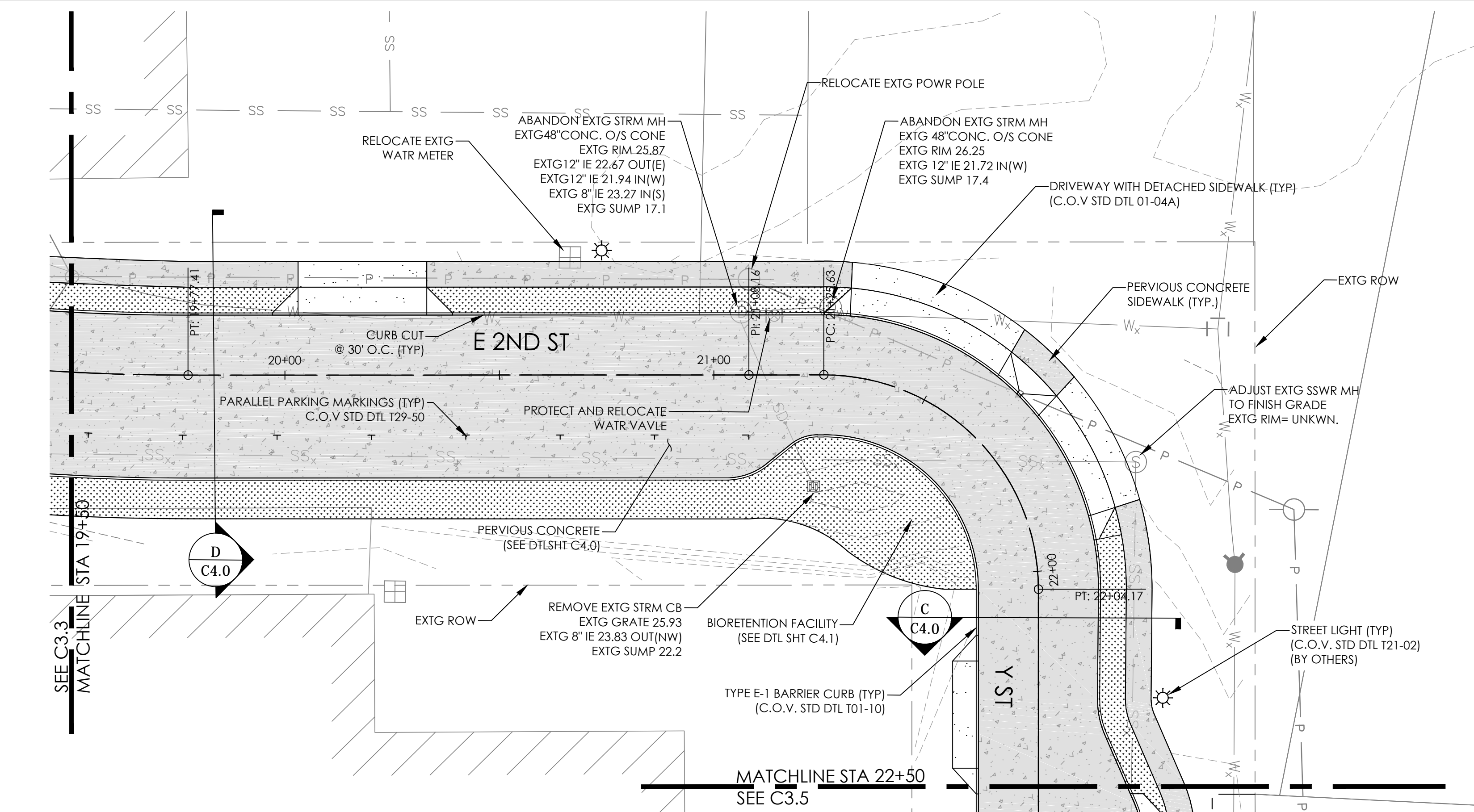
PROFILE VIEW OF V St - E 2nd St - Y St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10



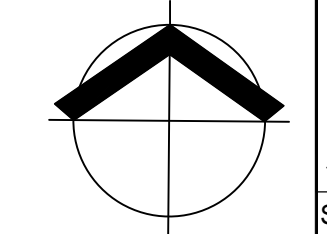
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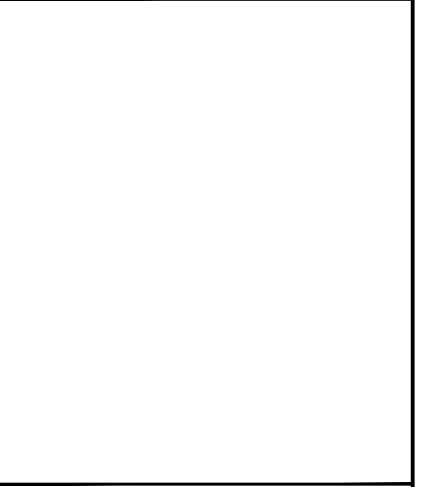


PROFILE VIEW OF V St - E 2nd St - Y St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10



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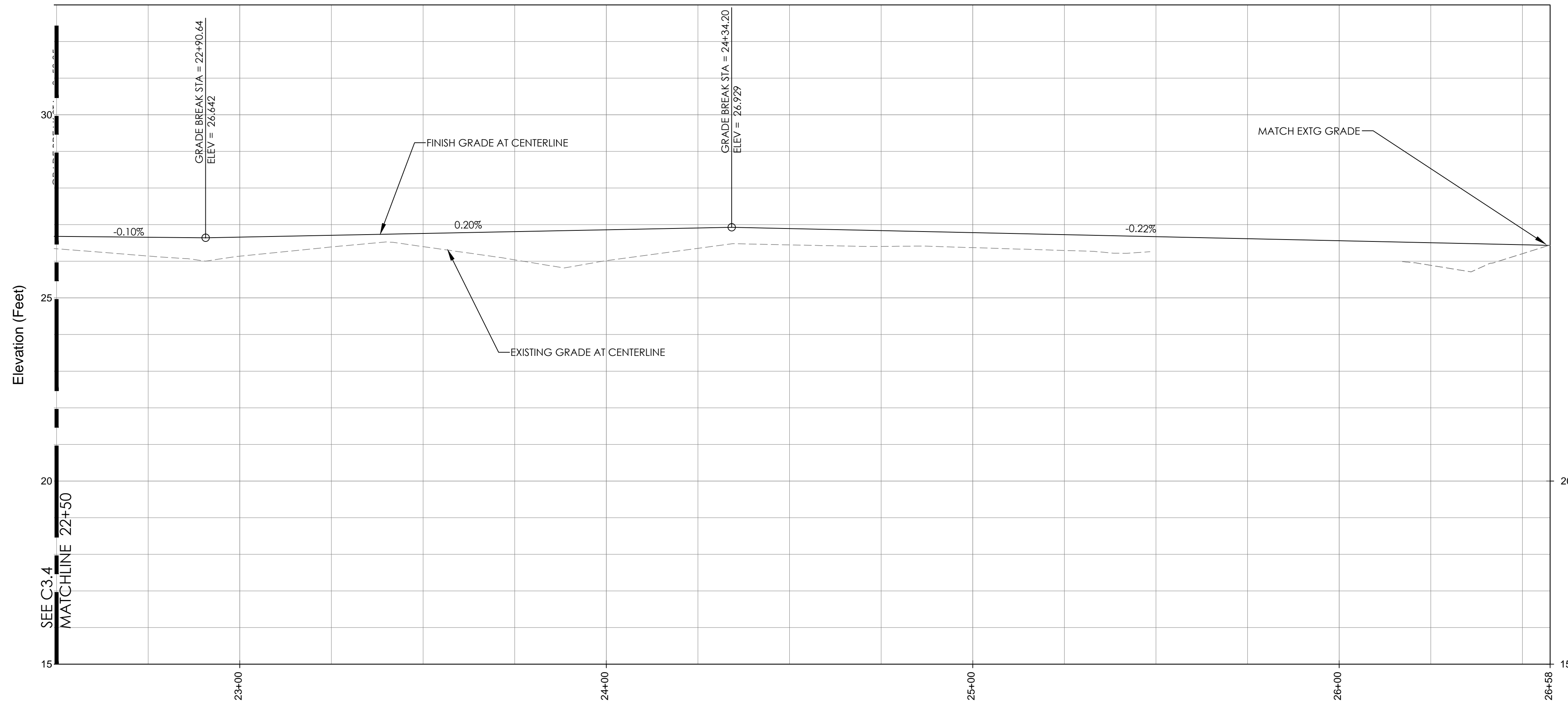
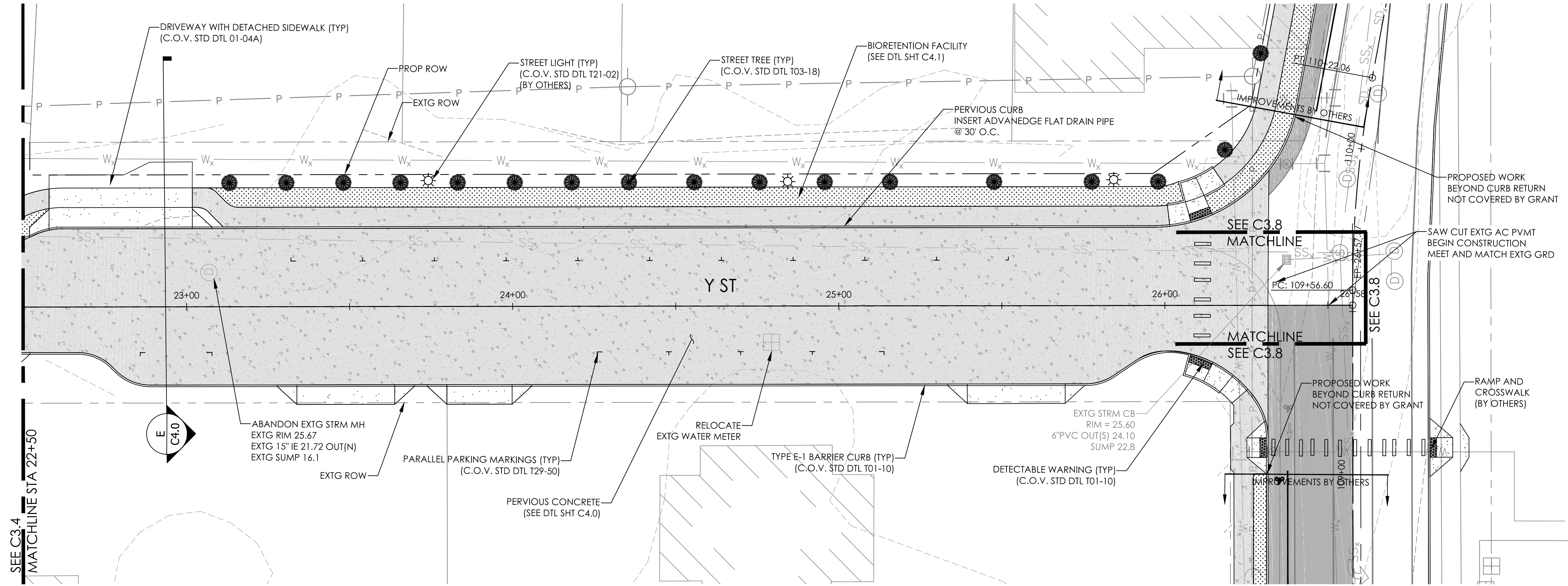
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 DRAWN: Z. PYLE  
 CHECKED: S. FROST  
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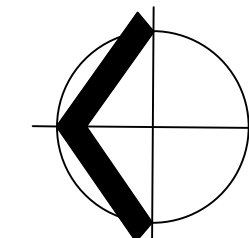
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**STREET AND STORMWATER AND PROFILE**  
 STA 19+50 TO 22+50  
 SHEET  
 C3.4



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PROFILE VIEW OF V St - E 2nd St - Y St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10



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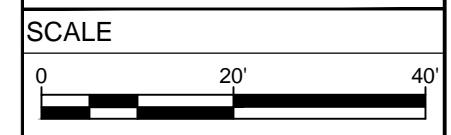
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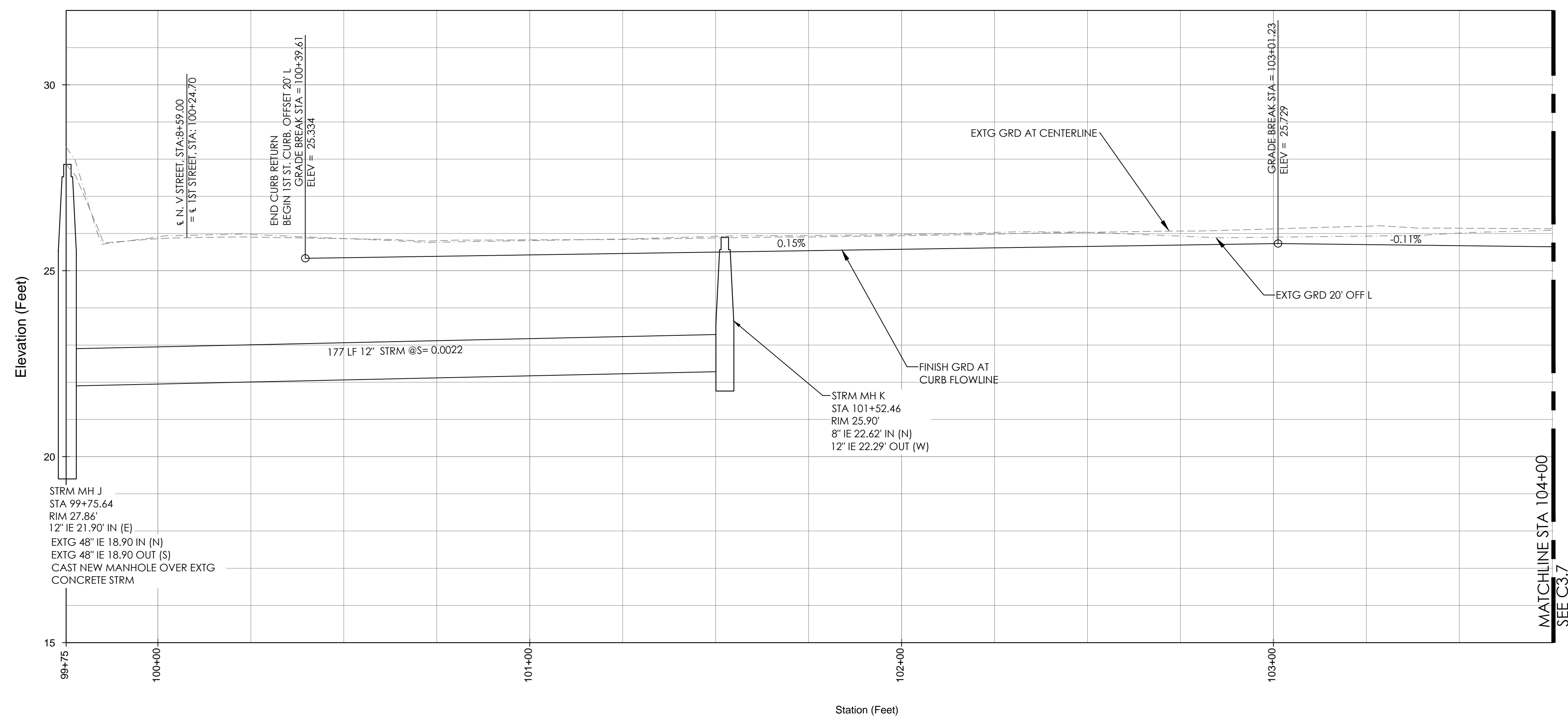
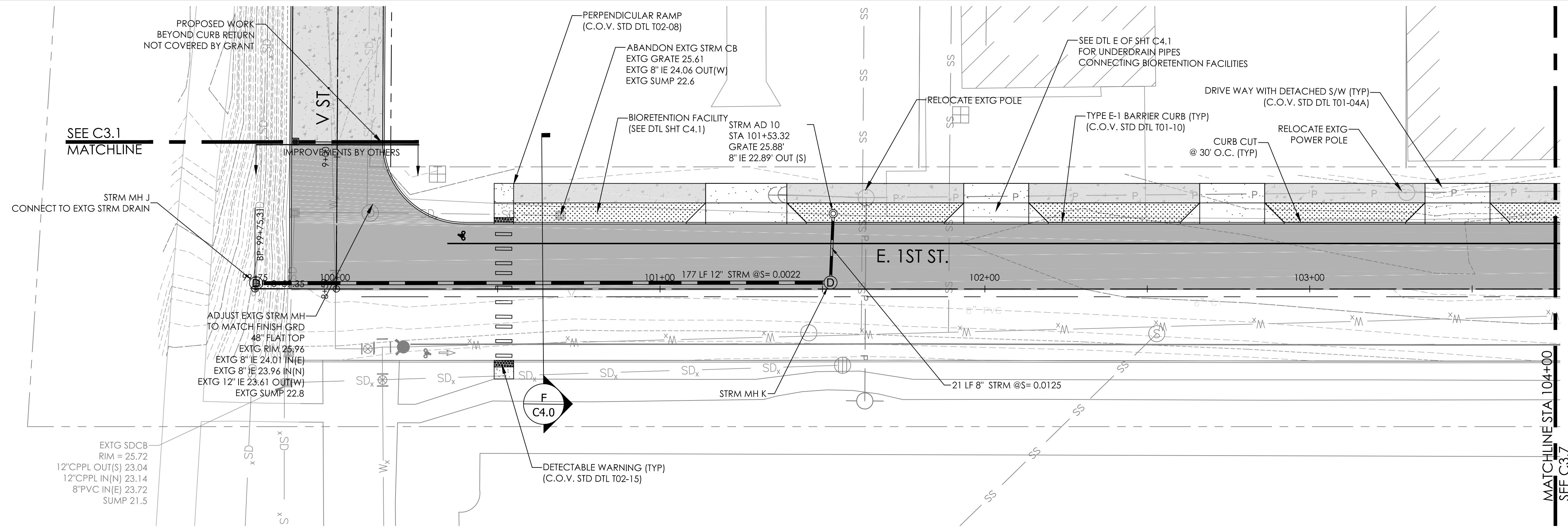


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**STREET AND STORMWATER PLAN AND PROFILE**  
 STA 22+50 TO 26+57

SHEET  
 C3.5

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PROFILE VIEW OF E 1st St  
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
VERTICAL EXAGGERATION: 10

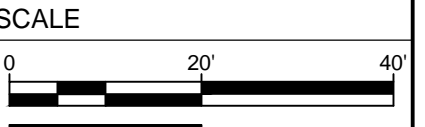
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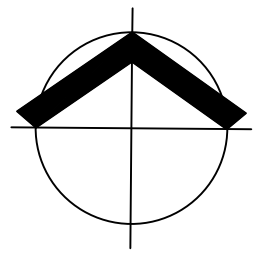
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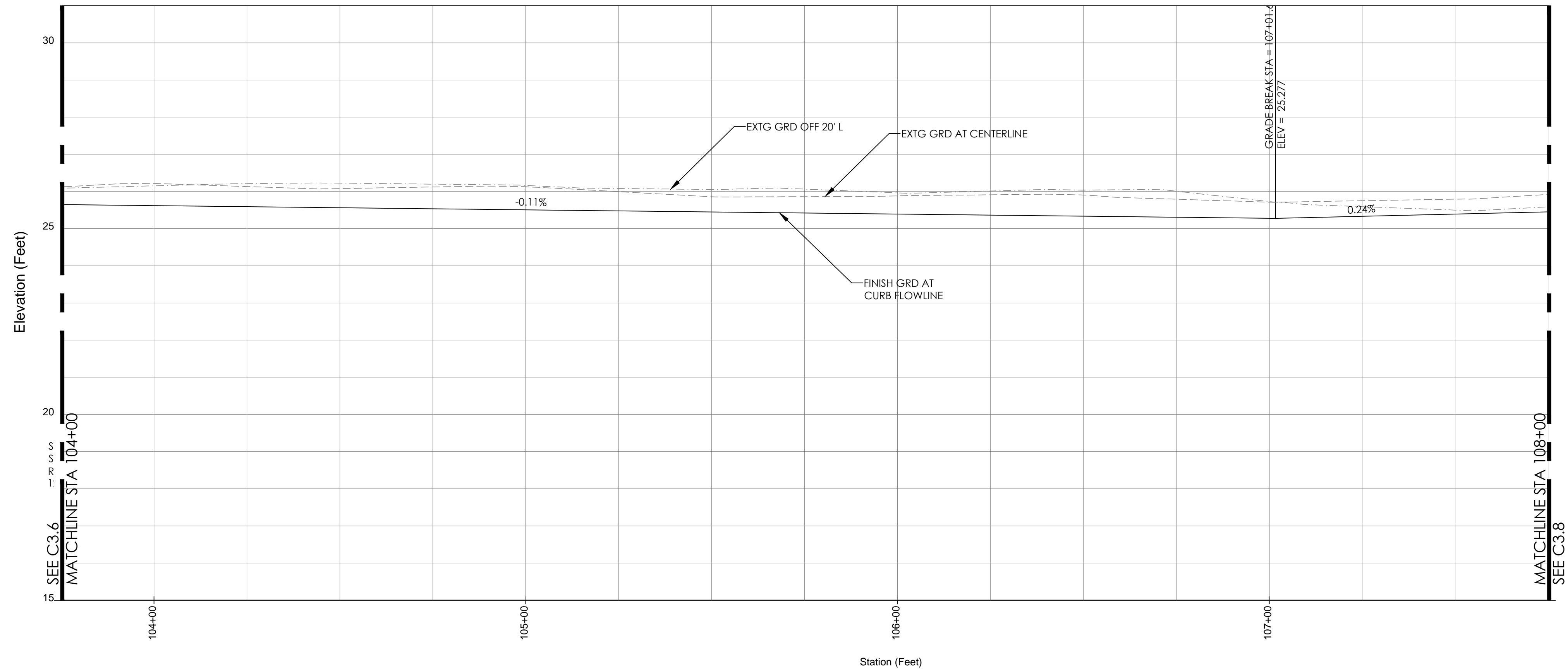
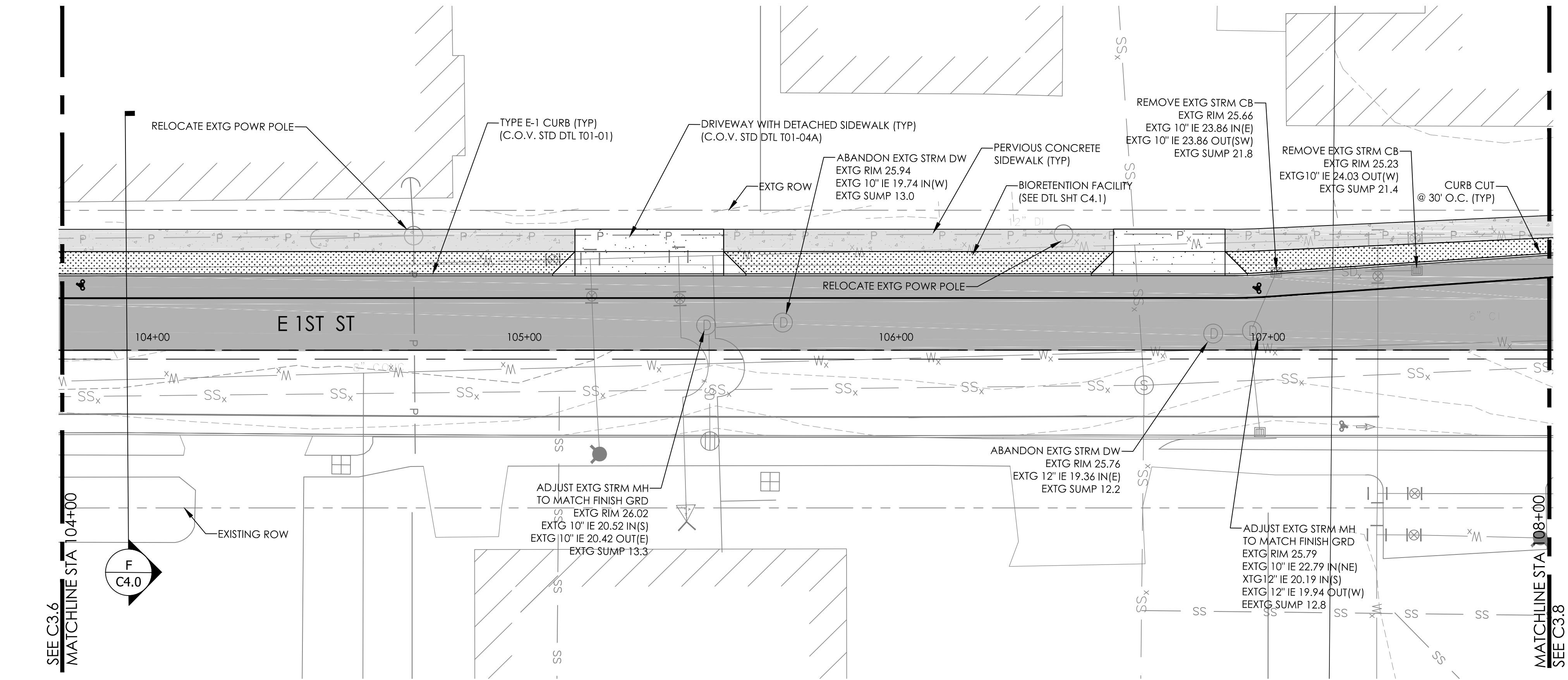
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**STREET AND STORMWATER PLAN AND PROFILE STA. 99+75 TO 104+00**

SHEET  
C3.6



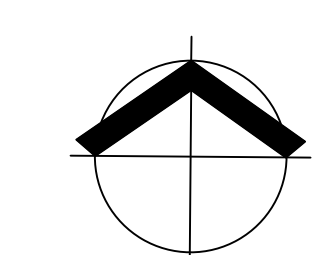
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PROFILE VIEW OF E 1st St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10



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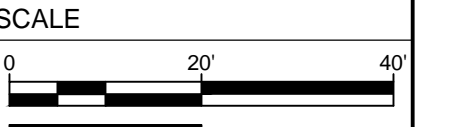
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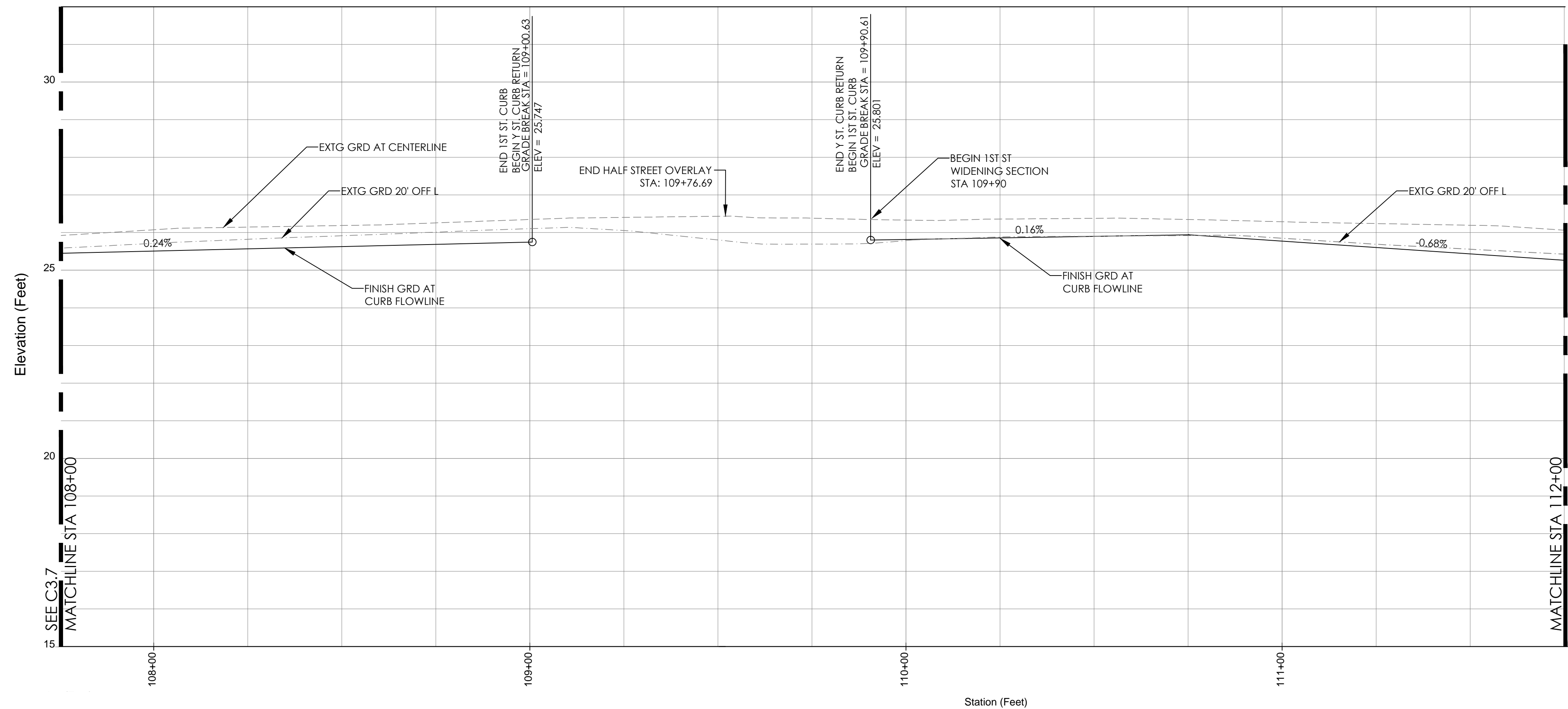
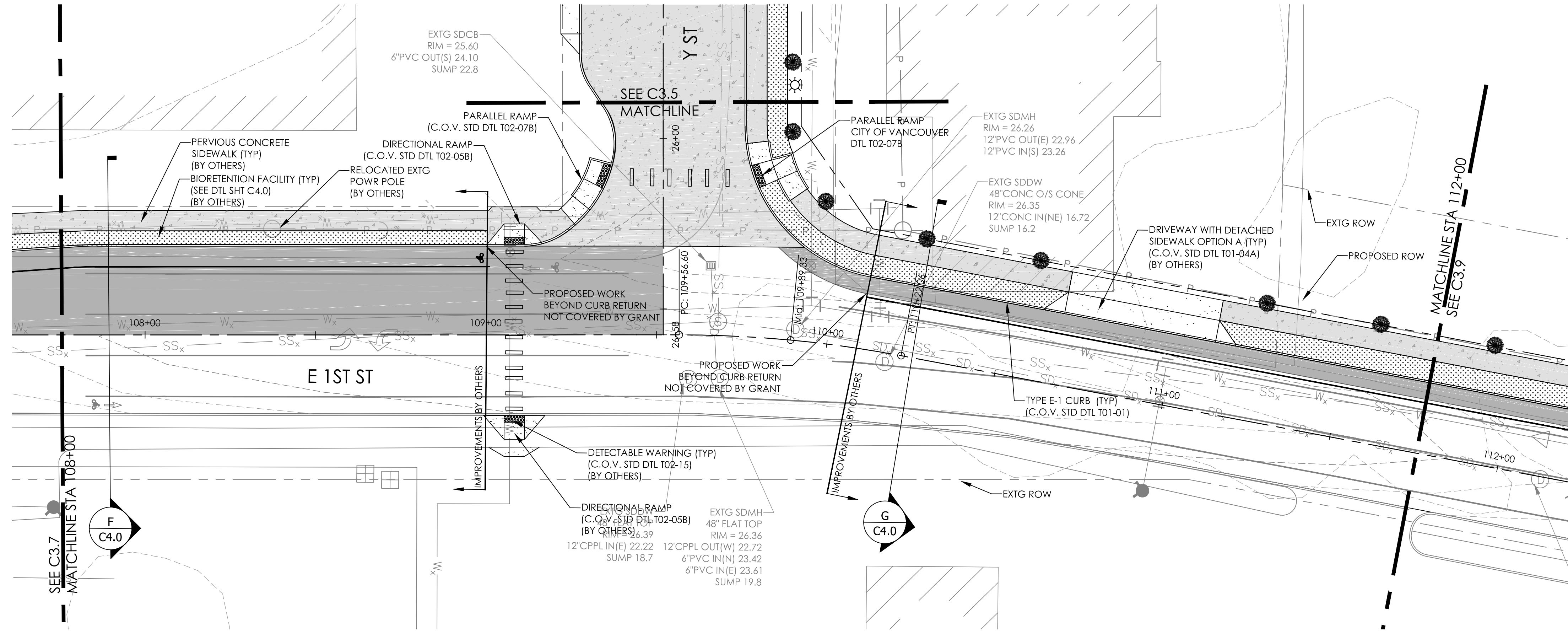


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**STREET AND STORMWATER PLAN AND PROFILE**  
 STA 104+00 - 108+00  
 SHEET

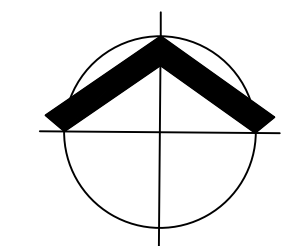
C3.7

PLOTTED ON: 2015-10-14 10:46 AM  
PLOTTED BY: Sincyt Prod FILENAME: C:\V\00\_MFA\_Civil\2015\_PROJECTS\0363\08\01 - City of Vancouver [Lower Grand Embayment Area]\PLANS\C3.8 STREET AND STORMWATER PLAN AND PROFILE.dwg



NOTE:  
FUTURE IMPROVEMENTS OF E 1st STREET BY OTHERS:  
NOT PART OF ECOLOGY GRANT APPLICATION

PROFILE VIEW OF E 1st St  
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
VERTICAL EXAGGERATION: 10



NOT FOR CONSTRUCTION

MAUL FOSTER ALONGI  
400 E MILL PLAIN BLVD.  
SUITE #400  
VANCOUVER, WA 98660  
PHONE: 360-694-2691  
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10/14/15

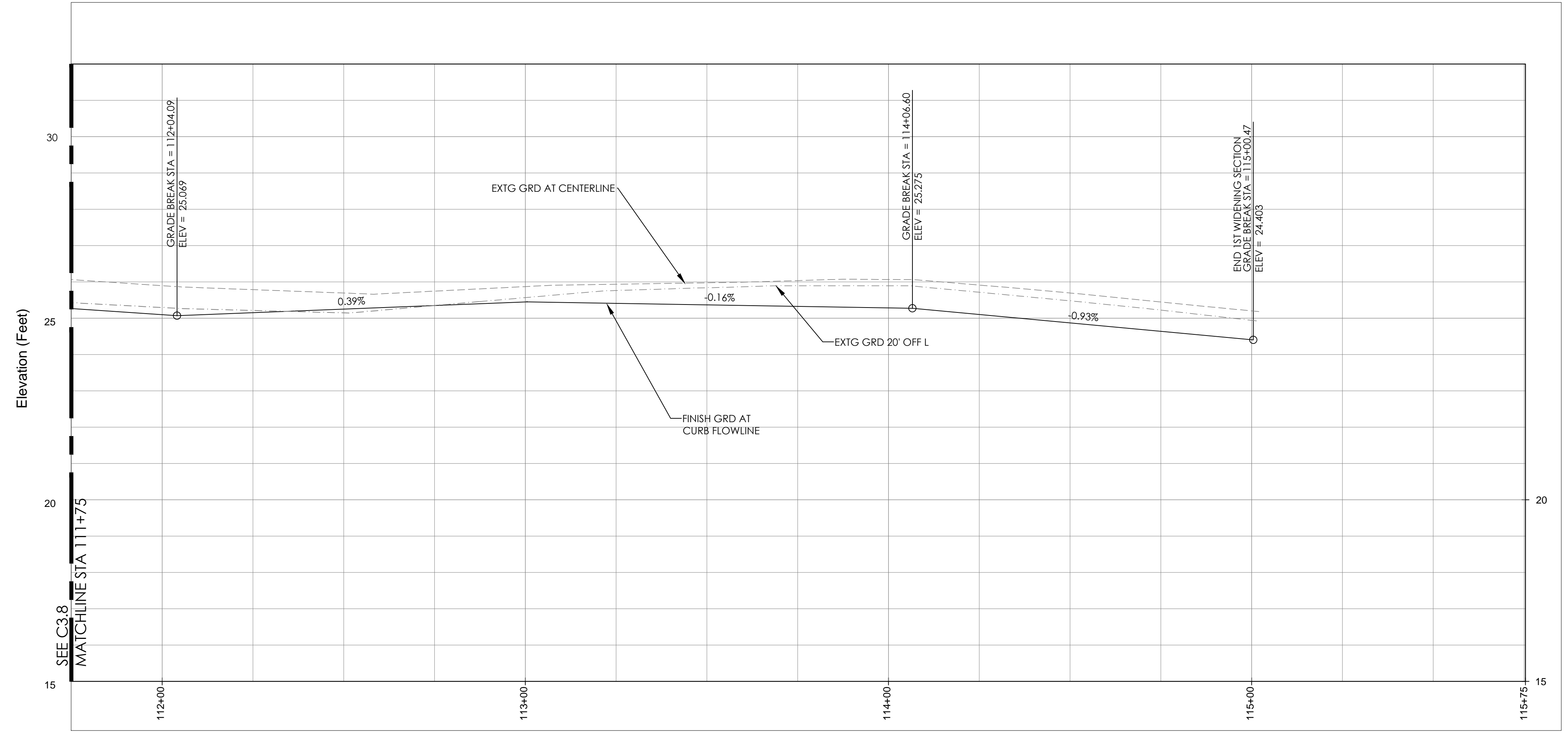
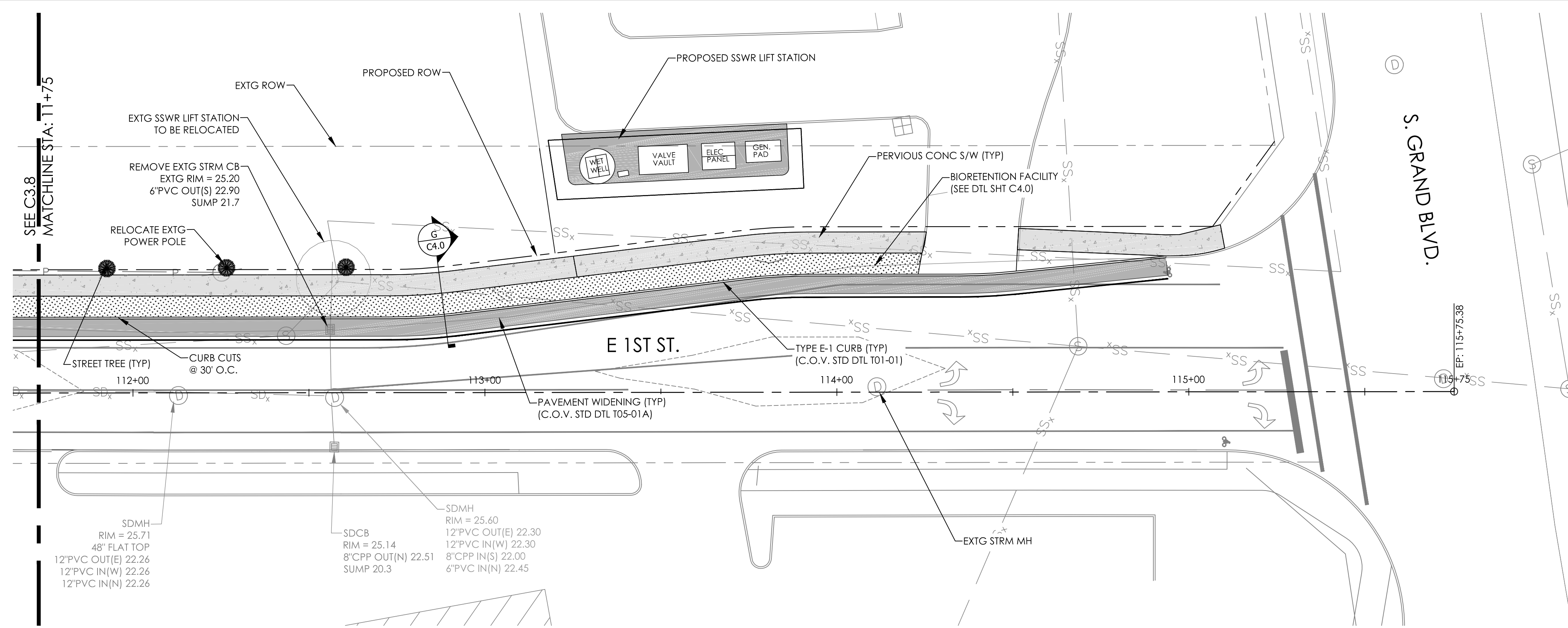
LOWER GRAND INDUSTRIAL AREA  
30% DESIGN  
VANCOUVER, WASHINGTON

ISSUE	DATE	DESCRIPTION

PROJECT: 0363.08.01  
 DESIGNED: C. GOKCORA  
 DRAWN: Z. PYLE  
 CHECKED: S. FROST  
 SCALE  
 0 20' 40'  
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

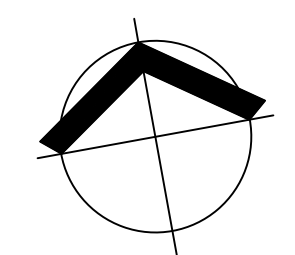
SHEET TITLE  
 STREET AND STORMWATER PLAN AND PROFILE  
 STA 108+00 - 112+00  
 SHEET  
 C3.8

PLOTTED ON: 2015-10-14 10:56 AM  
 PLOTTED BY: Stacy Frost FILENAME: G:\00\_0100\_0000\_PROJECTS\0363.08.01 - City of Vancouver (Lower Grand Embayment Area)\PLANS\C3.9 STREET AND STORMWATER PLAN AND PROFILE.dwg



PROFILE VIEW OF V St - E 2nd St - Y St  
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 2'  
 VERTICAL EXAGGERATION: 10

NOTE:  
 FUTURE IMPROVEMENTS OF E 1st STREET BY OTHERS; NOT PART OF ECOLOGY GRANT APPLICATION



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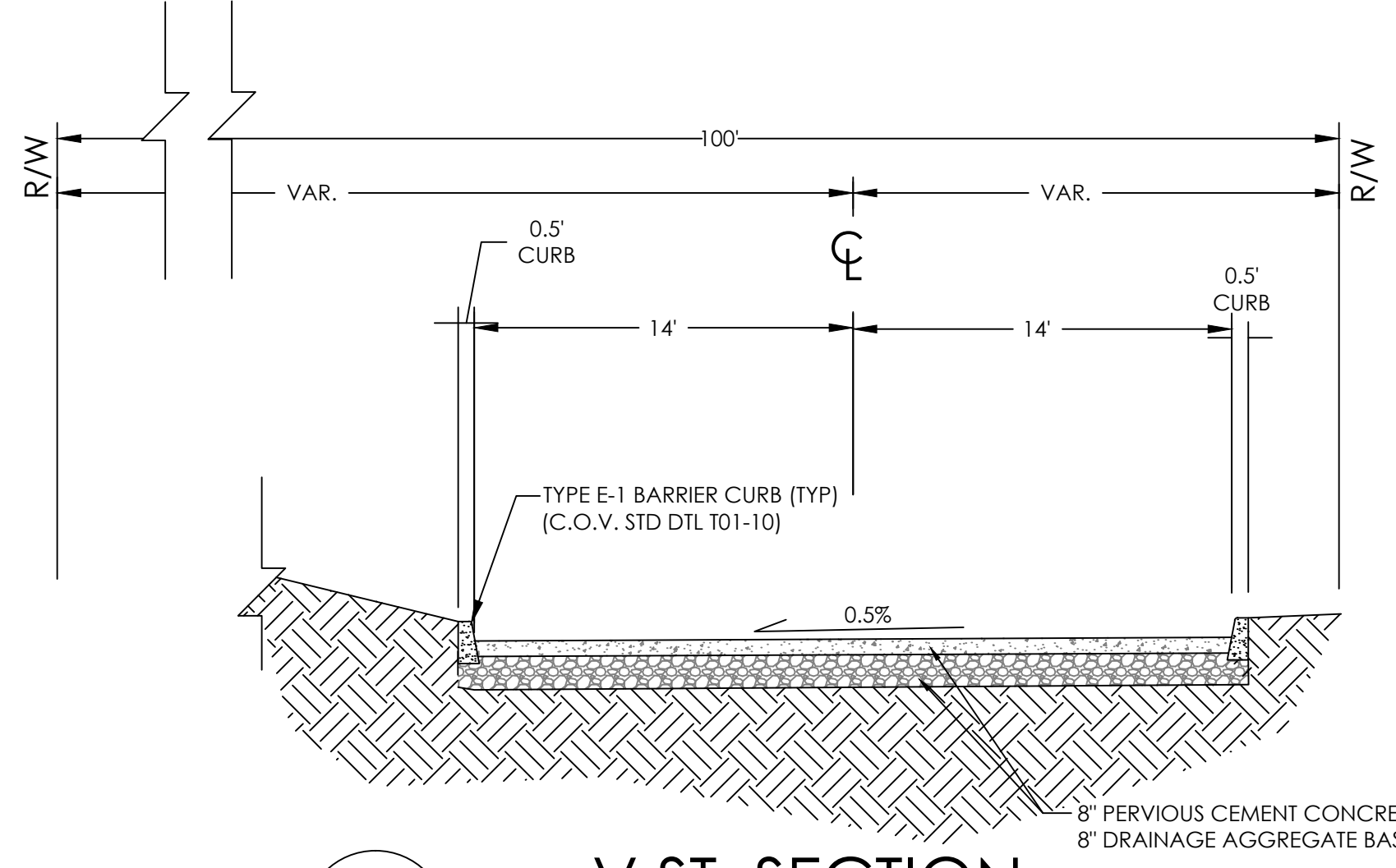
**LOWER GRAND INDUSTRIAL AREA**  
 30% DESIGN  
 VANCOUVER, WASHINGTON

ISSUE	DATE	DESCRIPTION

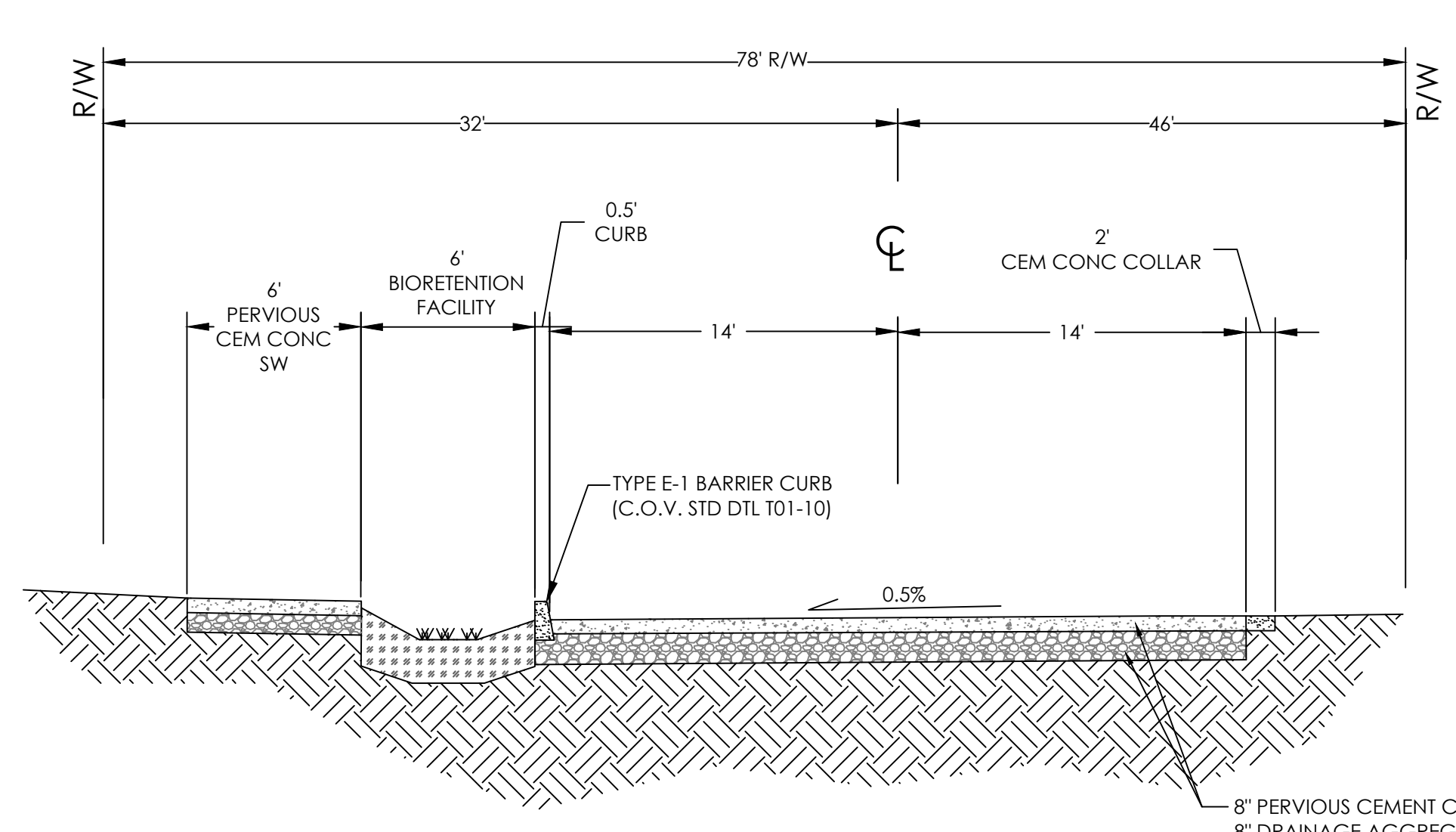
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 DESIGNED: C. GOKCORRA  
 DRAWN: Z. PYLE  
 CHECKED: S. FROST  
 SCALE  
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 NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING; IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE  
**STREET AND STORMWATER AND PROFILE**  
 STA 112+00 - 115+53  
 SHEET  
**C3.9**

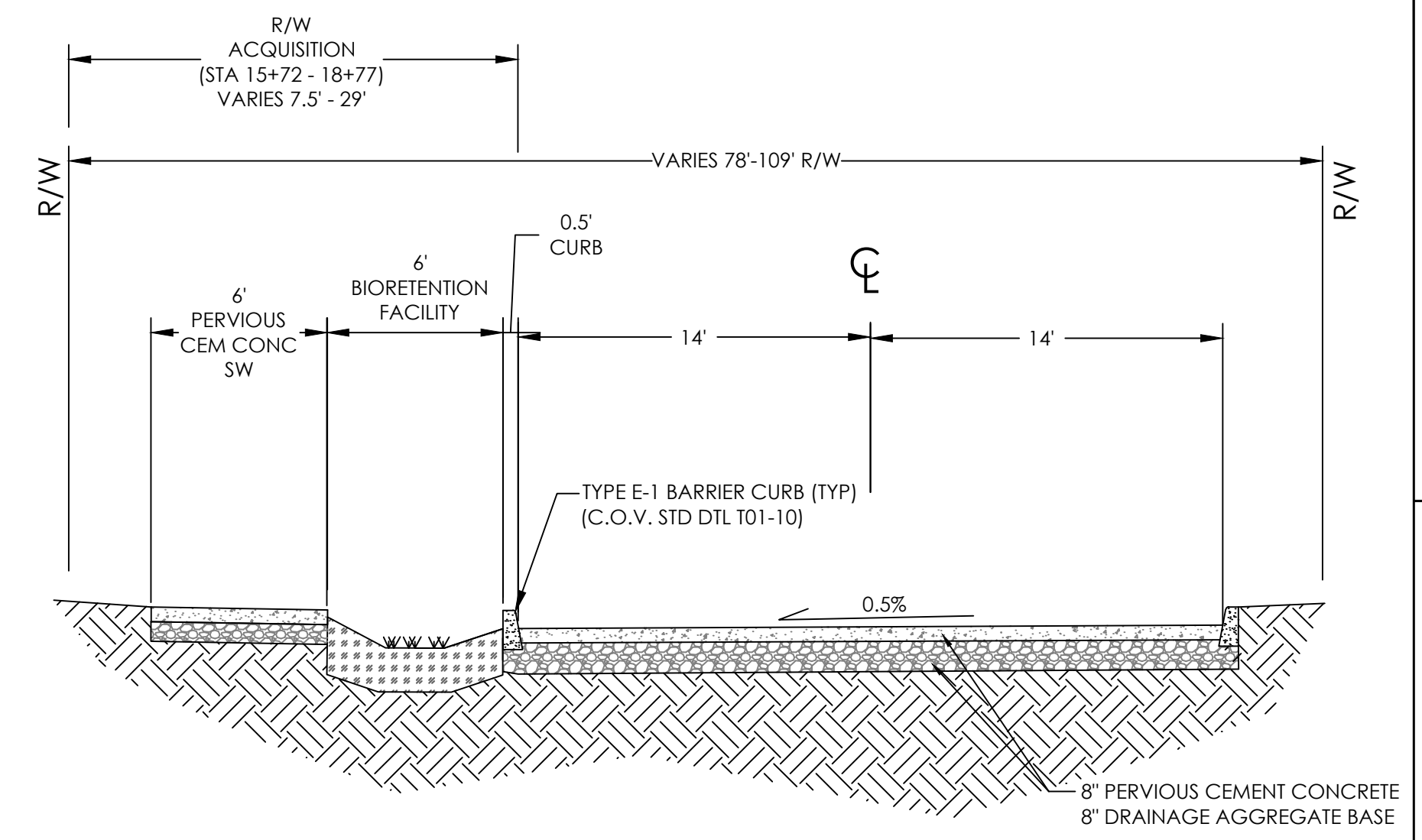
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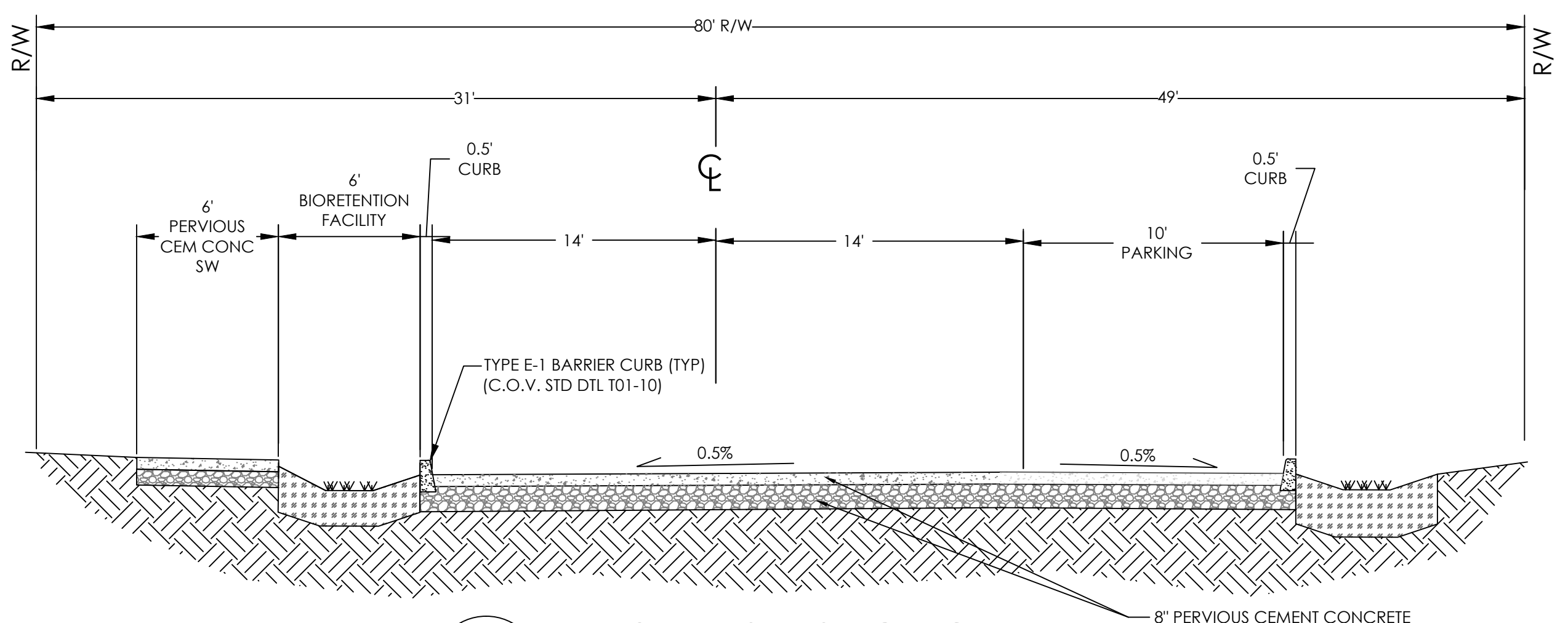
**A** V ST. SECTION  
STA 9+05 - 11+00



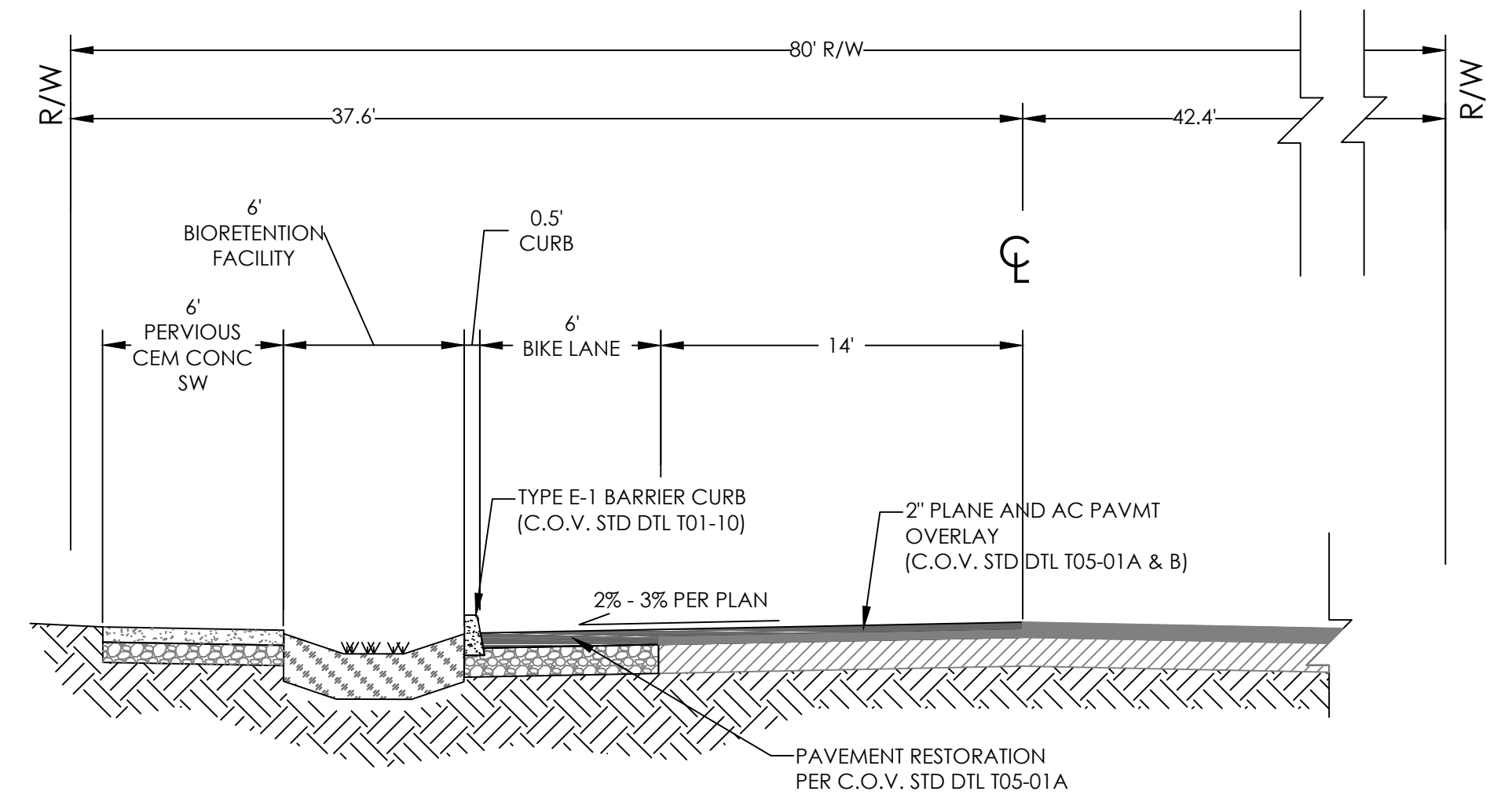
**B** E. 2ND ST. SECTION  
STA 11+20 - 15+18



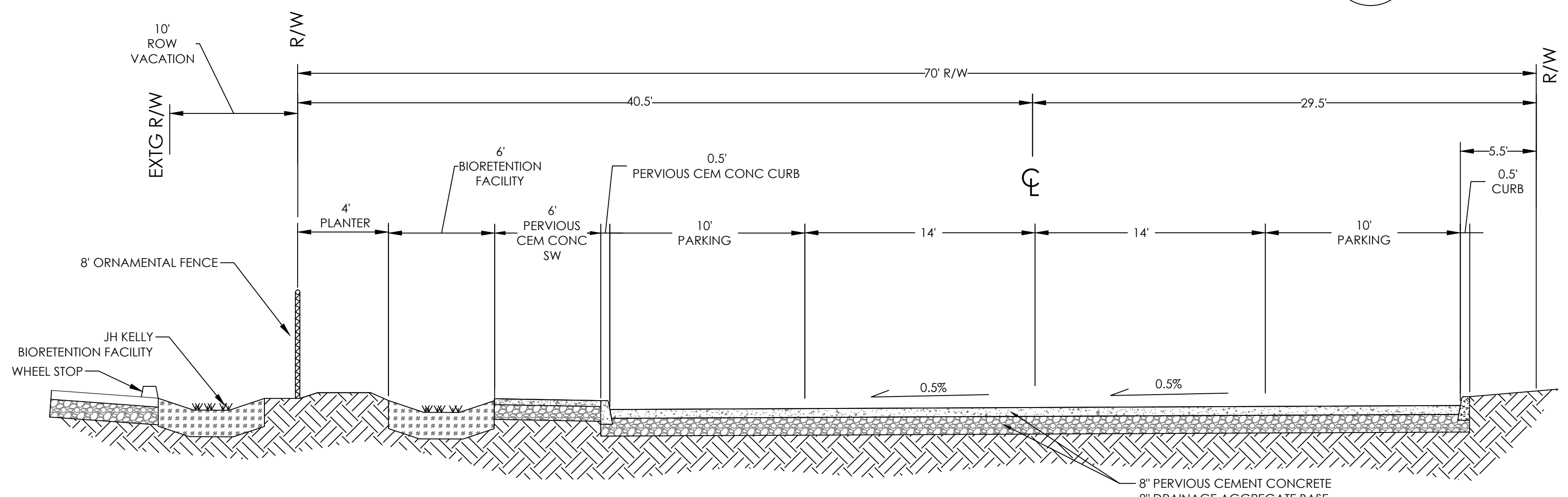
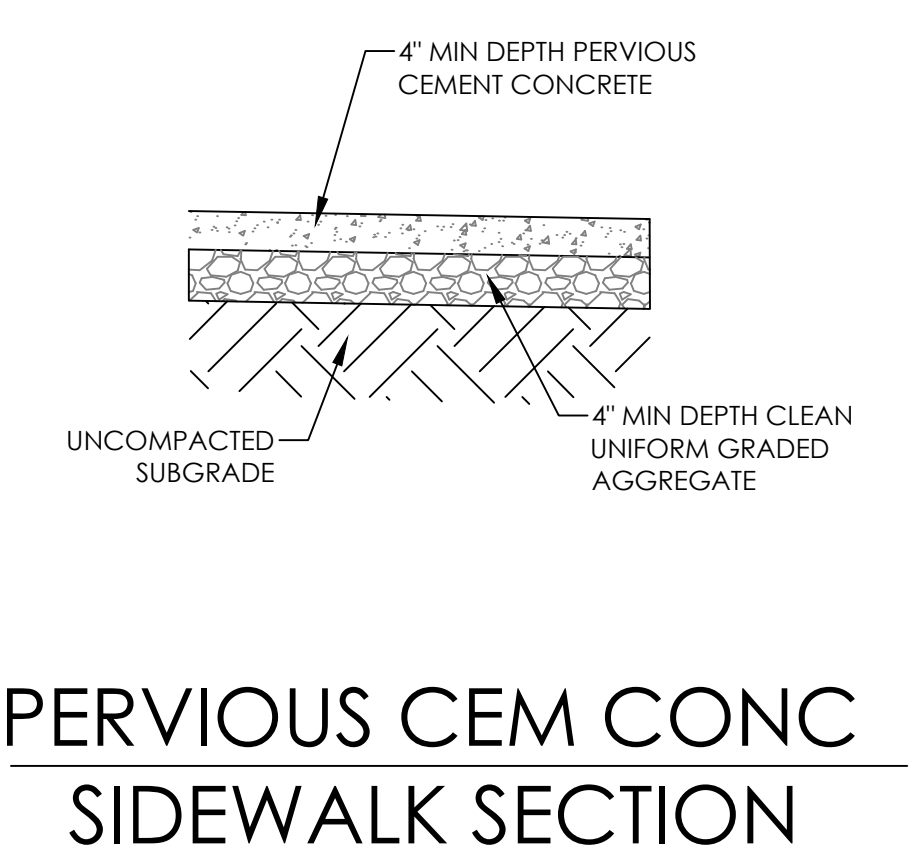
**C** E. 2ND ST. SECTION  
STA 15+18 - 18+90  
22+04 - 22+30



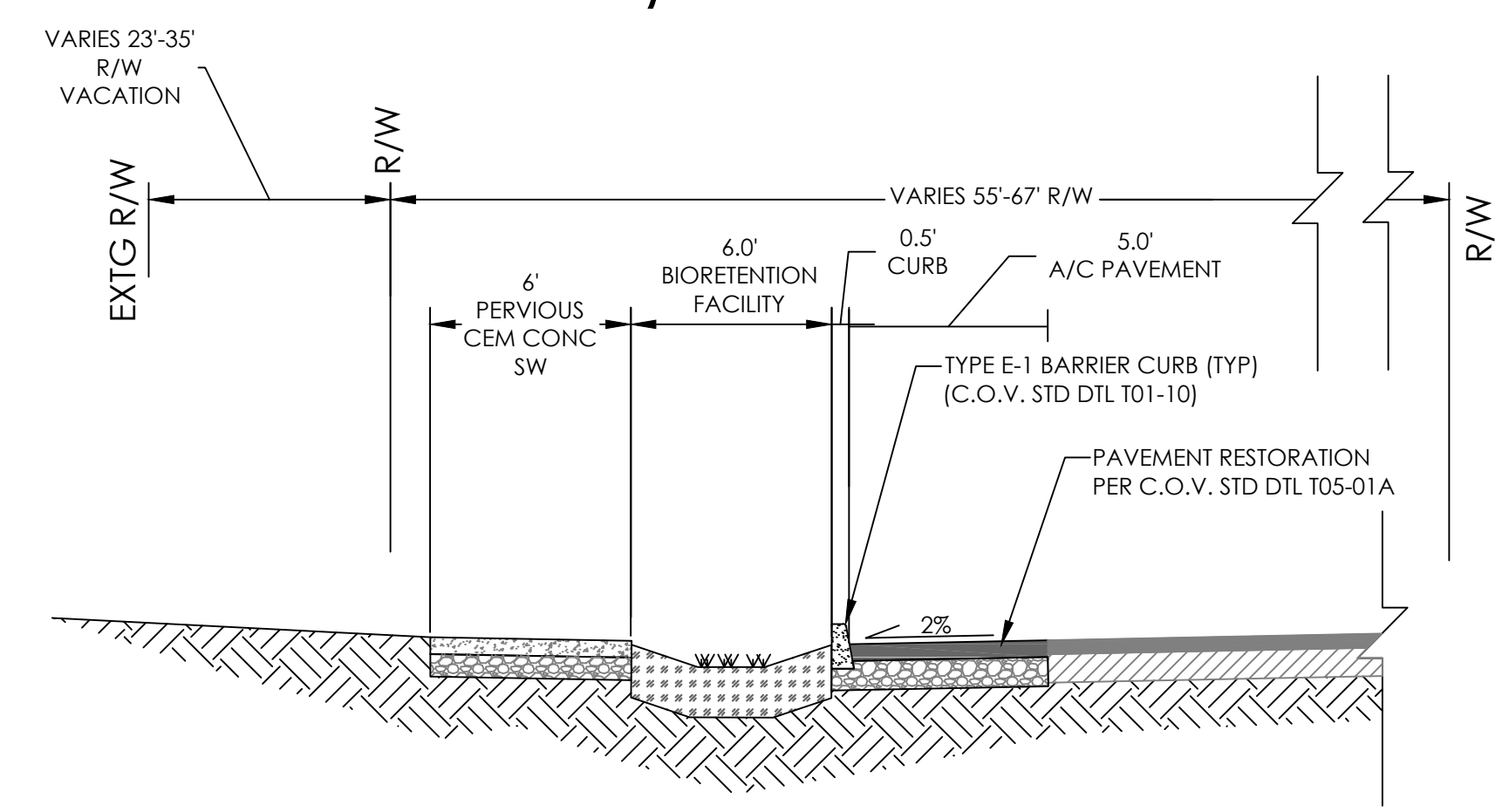
**D** E. 2ND ST. SECTION  
STA 19+11 - 21+08



**F** E. 1ST ST. HALF-WIDTH (FUTURE BY OTHERS)  
STA 100+32 - 109+76



**E** Y ST. SECTION  
STA 22+66 - 26+00



**G** E 1ST ST ROAD WIDENING SECTION (FUTURE BY OTHERS)  
STA 109+90 - 115+00

ISSUE	DATE	DESCRIPTION

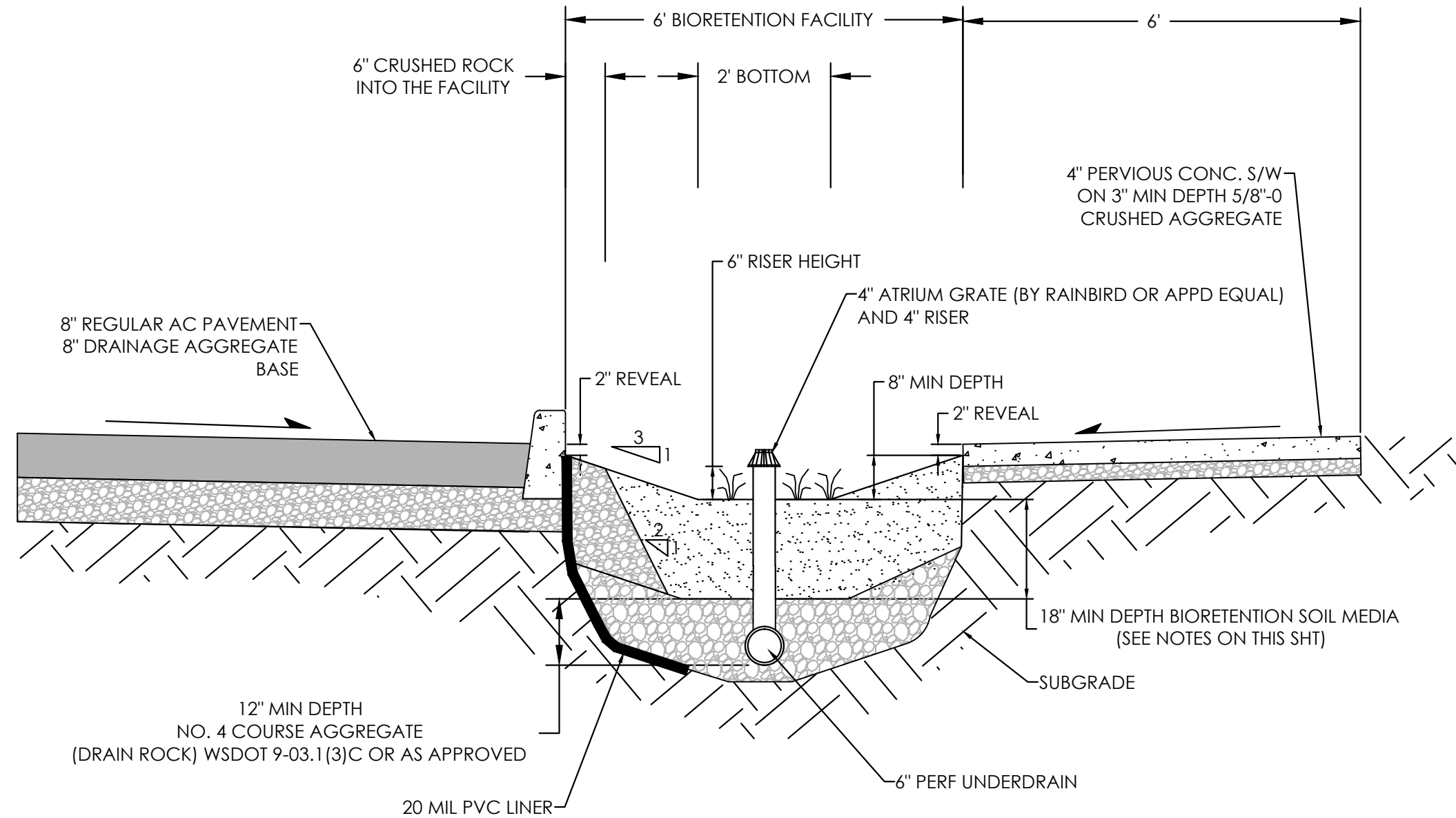
PROJECT: 0363.08.01  
DESIGNED: C. GOKCORRA  
DRAWN: Z. PYLE  
CHECKED: S. FROST  
SCALE

DRAWING NOT TO SCALE

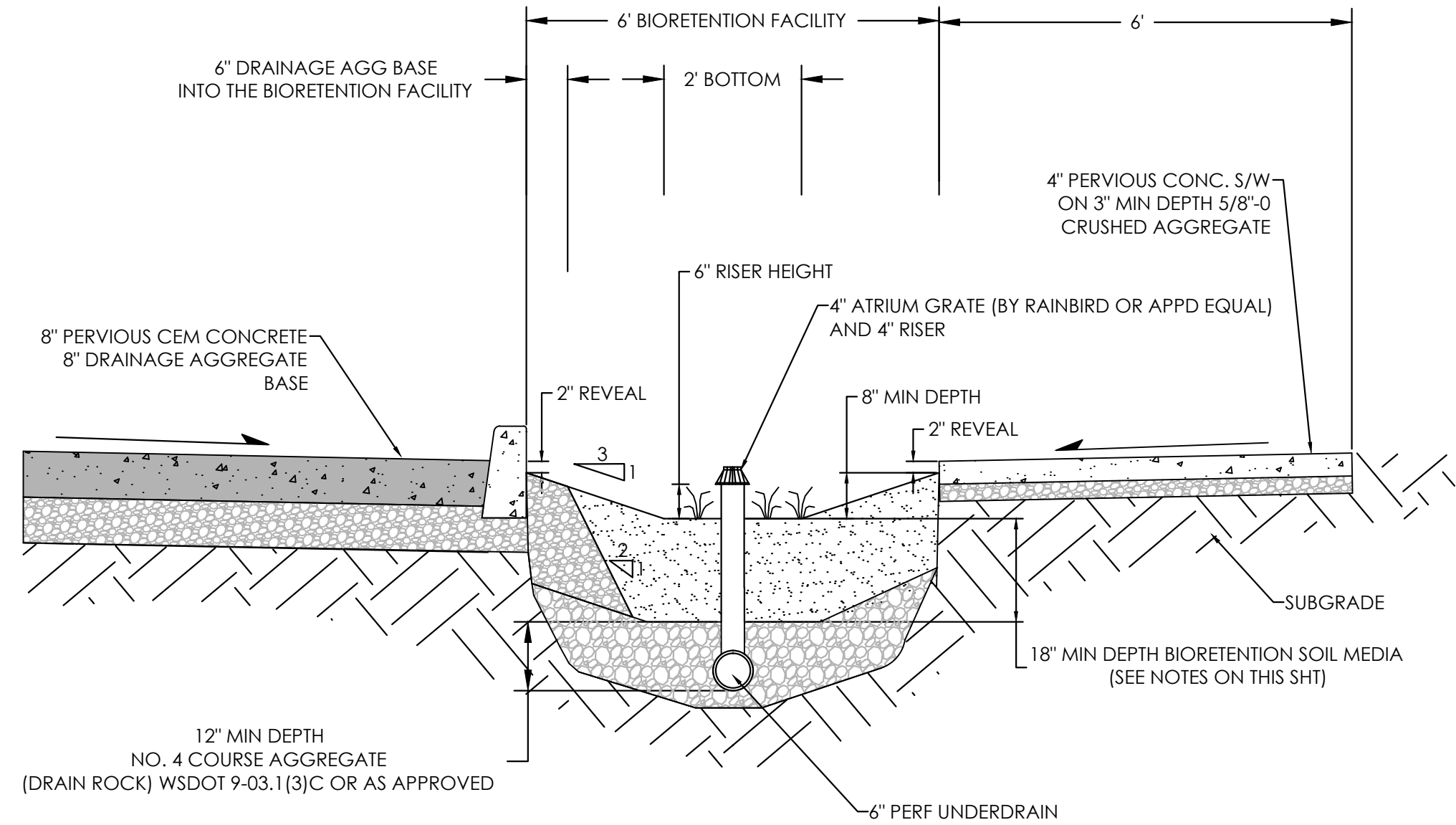
SHEET TITLE  
STREET CROSS SECTIONS

SHEET  
C4.0

PLOTTED ON: 2015-10-14 9:22 AM  
PLOT BY: Lindsay Crosby FILENAME: G:\00\_MFA\_Civ\30100\_PROJECTS\0363\08\01 - City of Vancouver (Lower Grand Employment Area)\PLANS\C4.0 STREET CROSS SECTIONS.dwg



**A BIORETENTION FACILITY REGULAR PAVEMENT SECTION**  
SCALE: NTS



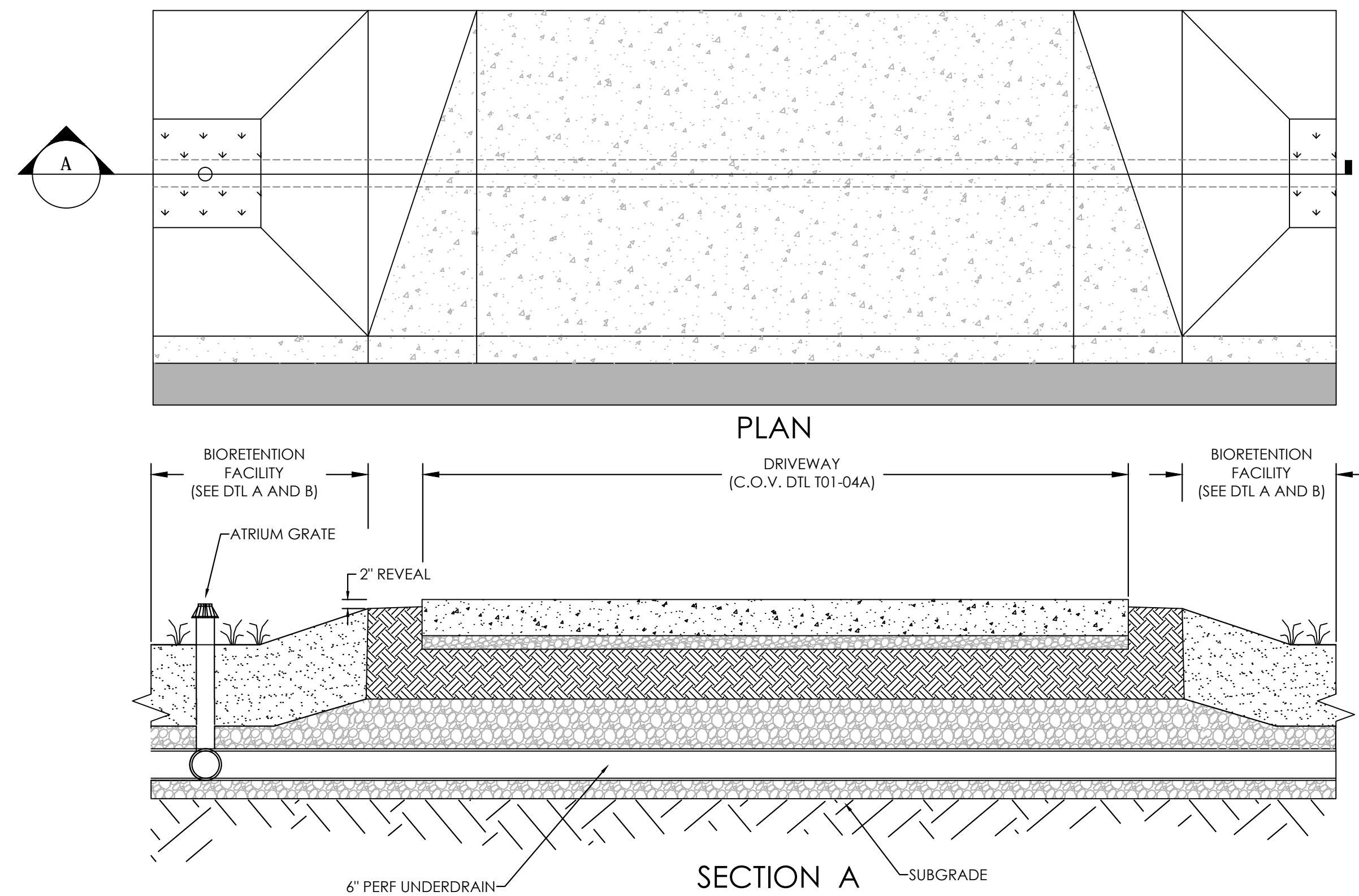
**B BIORETENTION FACILITY PERVIOUS PAVEMENT SECTION**  
SCALE: NTS

BIORETENTION SOIL MEDIA SPECIFICATIONS	
COMPOST TO AGGREGATE RATIO:	60-65% MINERAL AGGREGATE, 35-40% COMPOST
ORGANIC MATTER CONTENT:	4-8% BY DRY WEIGHT
CATION EXCHANGE CAPACITY:	≥ 5 MILLIEQUIVALENTS/ 100 GRAM DRY SOIL

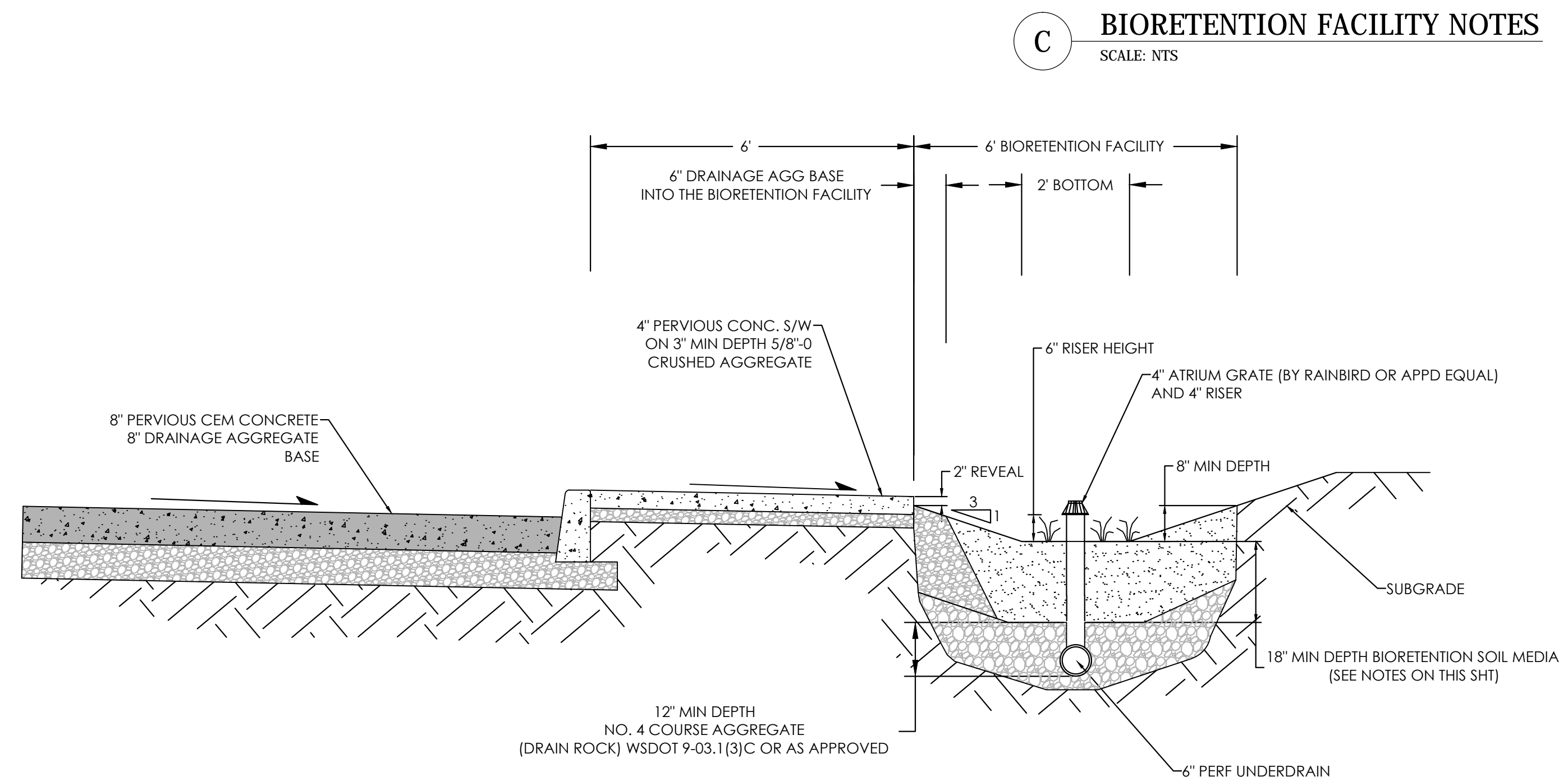
COMPOST COMPONENT OF BIORETENTION SOIL MEDIA	
pH:	6 ≤ pH ≤ 8.5 (TMECC 04.11-A)
MANUFACTURED INERT CONTENT:	≤ 1% BY WEIGHT (TMECC 03.08-A)
MINIMUM ORGANIC MATTER CONTENT:	40% (TMECC 05.07-A)
SOLUBLE SALT CONTENT:	≤ 4.0 MMHOS/CM (TMECC 04.10-A)
MATURITY INDICATOR:	≥ 80% (TMECC 05.05-A)
STABILITY INDICATOR:	≤ 7 (TMECC 05.08-B)
CARBON TO NITROGEN RATIO:	≤ 25:1 (TMECC 04.01 & 04.02)
SIZE GRADATION CLASSIFICATION:	"FINE COMPOST" (100% PASSING 1" SIEVE) (TMECC.02-B)
COPPER CONTENT	<750 MG/KG (EPA 6020)
ZINC CONTENT	<1400 MG/KG (EPA 6020)

MINERAL AGGREGATE COMPONENT OF BIORETENTION SOIL MEDIA	
SIEVE SIZE	PERCENT PASSING
3/8"	100
#4	95-100
#10	75-90
#40	25-40
#100	4-10
#200	2-5

- NOTES:
- WHERE EXISTING SOILS MEET THE MINERAL AGGREGATE GRADATION REQUIREMENTS, THOSE SOILS MAY BE AMENDED RATHER THAN IMPORTING MINERAL AGGREGATE.
  - COMPOST SHALL MEET THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220 AND PRODUCED BY A COMPOSTING FACILITY PERMITTED BY THE WA DEPT OF ECOLOGY.
  - COMPOST PRODUCT MUST ORIGINATE A MINIMUM OF 65% BY VOLUME FROM RECYCLED PLANT WASTE DEFINED AS SOURCE-SEPARATED YARD AND GARDEN WASTES, WOOD WASTES, AGRICULTURAL CROP RESIDUES, WAX-COATED CARDBOARD, PRECONSUMER VEGETATIVE FOOD WASTES, OTHER SIMILAR SOURCE-SEPARATED MATERIALS THAT THE JURISDICTIONAL HEALTH DEPARTMENT DETERMINES TO HAVE A COMPARABLE LOW LEVEL OF RISK IN HAZARDOUS SUBSTANCES, HUMAN PATHOGENS, AND PHYSICAL CONTAMINANTS.
  - A MAXIMUM OF 35% BY VOLUME OF OTHER APPROVED ORGANIC WASTE DEFINED AS MEAT AND POSTCONSUMER SOURCE-SEPARATED FOOD WASTES OR OTHER SIMILAR SOURCE-SEPARATED MATERIALS THAT THE JURISDICTIONAL HEALTH DEPARTMENT DETERMINES TO HAVE A COMPARABLE LOW LEVEL OF RISK IN HAZARDOUS SUBSTANCES AND PHYSICAL CONTAMINANTS, BUT ARE LIKELY TO HAVE HIGH LEVELS OF HUMAN PATHOGENS, INCLUDING POSTCONSUMER FOOD WASTE, BUT NOT INCLUDING BIOSOLIDS, MAY BE SUBSTITUTED FOR RECYCLED PLAN WASTE, MANURE AND BEDDING FROM HERBIVOROUS ANIMALS THAT THE JURISDICTIONAL HEALTH DEPARTMENT DETERMINES TO HAVE A COMPARABLE LOW LEVEL OF RISK IN HAZARDOUS SUBSTANCES AND PHYSICAL CONTAMINANTS WHEN COMPARED TO A TYPE 1 FEEDSTOCK AND MIXED MUNICIPAL SOLID WASTES, POSTCOLLECTION SEPARATED OR PROCESSED SOLID WASTES, INDUSTRIAL SOLID WASTES, INDUSTRIAL BIOLOGICAL TREATMENT SLUDGES, OR OTHER SIMILAR COMPOSTABLE MATERIALS THAT THE JURISDICTIONAL HEALTH DEPARTMENT DETERMINES TO HAVE A COMPARABLE HIGH LEVEL OF RISK IN HAZARDOUS SUBSTANCES, HUMAN PATHOGENS AND PHYSICAL CONTAMINANTS SHALL NOT BE USED.
  - COMPOST SHALL HAVE A MOISTURE CONTENT RANGE SUCH THAT THERE IS NO VISIBLE FREE WATER OR DUST PRODUCED WHEN HANDLING THE MATERIAL.
  - COMPOST SHALL BE TESTED IN ACCORDANCE WITH THE U.S. COMPOSTING COUNCIL "TESTING METHODS FOR THE EXAMINATION OF COMPOST AND COMPOSTING (TMECC) AS ESTABLISHED IN THE COMPOSTING COUNCIL'S "SEAL OF TESTING ASSURANCE" (STA) PROGRAM.



**D UNDERDRAIN PIPE CONNECTING BIORETENTION FACILITIES**  
SCALE: NTS



**E BIORETENTION FACILITY W/ ATTACHED SW SECTION**  
SCALE: NTS

**C BIORETENTION FACILITY NOTES**  
SCALE: NTS

MAUL FOSTER ALONGI  
2001 NW 19TH AVE, SUITE 200  
PORTLAND, OR 97209  
PHONE: 971.544.2139  
www.maulfooster.com

LOWER GRAND INDUSTRIAL AREA  
CITY OF VANCOUVER  
VANCOUVER, WASHINGTON

ISSUE	DATE	DESCRIPTION

PROJECT: 0363.08.01  
DESIGNED: C. GOKCORO  
DRAWN: Z. PYLE  
CHECKED: S. FROST  
SCALE

DRAWING NOT TO SCALE

SHEET TITLE  
STORMWATER DETAILS

SHEET  
C4.1

PLOTTED ON: 2015-10-14 9:07 AM  
PLOTED BY: Lindsay Crosby FILENAME: G:\00\_MFA\_CIV\3D\00\_PROJECTS\0363\01 - City of Vancouver (Lower Grand Employment Area)\PLANS\C4.1 STORMWATER DETAILS.dwg

## FUNDING OPPORTUNITIES FOR INFRASTRUCTURE IMPROVEMENTS

	Organization	Program Name	Program Description	Project Eligibility
<b>TRANSPORTATION FUNDING</b>				
STATE FUNDS	Transportation Improvement Board	Urban Arterials Program	Funding for projects that support safety, growth and development, mobility, and physical condition	On federally classified route (principal, minor, collector), consistent with local plans,
		Urban Sidewalks Program	Funding for pedestrian projects to improve safety, access, connectivity, and address system continuity	Intent be transportation (not recreation), project on federally classified route, meet ADA`
		Complete Streets Program	Funds for complete street projects	Funds arterial retrofits to improve safe access for all users
	Washington State Department of Transportation	Pedestrian and Bicycle Program	Improve conditions for biking and walking and encourage "complete street" type projects	Projects support infill and redevelopment, intensify land uses, and connect housing and employment in order to improve the mobility and safety of Washington residents
	Washington State Department of Commerce	Construction Loan Program	Low-interest loans to finance public infrastructure construction and rehabilitation	Improve public health and safety, respond to environmental issues, promote economic development, or upgrade system performance
	Community Economic Resource Board	Committed Private Partner Program	Loans and grants for construction of public infrastructure necessary for private business expansion	Requires private business commitment and evidence that private development, expansion, creation of jobs and/or private capital investment is ready to occur. The median hourly wage of private sector jobs created after project must exceed the countywide median wage.
		Planning Projects	Funding for studies which evaluate high-priority economic development projects	Must target job growth and long-term economic prosperity
LOCAL FUNDS	Regional Transportation Council	Transportation Alternatives Program	Funds construction, planning, and design of non-auto facilities	Included in TIP



## FUNDING OPPORTUNITIES FOR INFRASTRUCTURE IMPROVEMENTS

		CMAQ	Funds transportation programs that aim to reduce air pollution	Included in TIP
		Surface Transportation Program	Funds flexible transit improvement program including transit capital projects as well as bike, pedestrian, and trail projects	Included in TIP
OTHER FUNDING TOOLS	<ul style="list-style-type: none"> <li>Community Facility District</li> <li>Community Revitalization Financing</li> <li>Transportation Benefit District</li> <li>Road Improvement District</li> </ul>			
<b>INFRASTRUCTURE FUNDING</b>				
STATE FUNDS	Washington Dept. of Commerce	Energy Efficiency and Solar	Funding energy efficiency and solar projects	Maximums on payback periods for project
		Construction Loan Program	Low-interest loans to finance public infrastructure construction and rehabilitation	Improve public health and safety, respond to environmental issues, promote economic development, or upgrade system performance
	Community Economic Resource Board	Planning and Feasibility Grants	Project-specific feasibility and pre-development studies	Advance community economic development goals for industrial sector business development
		Construction Program	Public facility projects required by private sector expansion and job creation (typically a loan)	Must support significant job creation or significant private investment in the state. Must have committed private partner
OTHER FUNDING TOOLS	<ul style="list-style-type: none"> <li>Community Facility District</li> <li>Community Revitalization Financing</li> <li>Latecomer Agreement</li> <li>Local Improvement District</li> <li>System Development Charge Account</li> </ul>			
<b>STORMWATER FUNDING</b>				
FEDERAL FUNDS	Environmental Protection Agency	Urban Waters Small Grants	Fund efforts to advance the restoration of urban waters by improving water quality through activities that also support local community revitalization	Restore urban water and revitalize local community
		Smart Growth Implementation Assistance Program	Categories: community resilience to disasters, job	Project supports activities that improve the quality of development and protect

## FUNDING OPPORTUNITIES FOR INFRASTRUCTURE IMPROVEMENTS

			creation, role manufactured homes, social services	human health and the environment
STATE FUNDS	Washington State Department of Commerce	Construction Loan Program	Low-interest loans to finance public infrastructure construction and rehabilitation	Improve public health and safety, respond to environmental issues, promote economic development, or upgrade system performance
	Washington State Department of Ecology	Water Quality Financial Assistance Program	Includes the Centennial Clean Water Program, Nonpoint Source Grant Program, Water Pollution Control Revolving Fund Program, and Stormwater Finance Assistance Program	Planning projects associated with publicly-owned wastewater and stormwater facilities
	Community Economic Resource Board	Planning and Feasibility Grant	Funds project-specific feasibility and pre-development studies	Advance community economic development goals for industrial sector business development
		Construction Program	Funds public facility projects required by private sector expansion and job creation (typically a loan)	Must support significant job creation or significant private investment in the state. Must have committed private partner
OTHER FUNDING TOOLS	<ul style="list-style-type: none"> <li>• Community Facility District</li> <li>• Community Revitalization Financing</li> <li>• Local Improvement District</li> </ul>			

**City of Vancouver**  
**Lower Grand Employment Subarea Action Plan**  
**Stakeholder Questionnaire**

The City of Vancouver is beginning a process to work with area stakeholders to identify and prioritize infrastructure improvements and environmental remediation to best address deteriorating and substandard streets and localized flooding, and other concerns in the Lower Grand Employment Area (LGEA). The LGEA has a mix of light industrial and commercial properties, bound by Pearson Airpark to the west and State Route 14 to the south. The resulting LGEA Action Plan will outline specific actions and a funding strategy to guide future infrastructure improvements and design solutions so the area can achieve its full potential as an employment center.

Name: \_\_\_\_\_

Title and affiliation: \_\_\_\_\_

Address(es): \_\_\_\_\_

Mailing address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone number(s): \_\_\_\_\_

Preferred method of contact: \_\_\_\_\_

1. How would you describe your interest in the area (e.g., own property or business, shop in the area, etc)?
2. How long have you owned property and/or operated a business in the LGEA?
3. What first drew you to this location?
4. What type of business do you or your tenants operate?
5. At this time, what do you see as the primary advantages versus disadvantages of operating your business at this site?
6. Do you or your tenants have plans to grow your existing business or a different business at your current location, in the short- or long-term?
7. The City of Vancouver has received a separate EPA grant to assess a limited number of potentially contaminated properties. Property within the LGEA may be eligible for assessment under this grant. Are

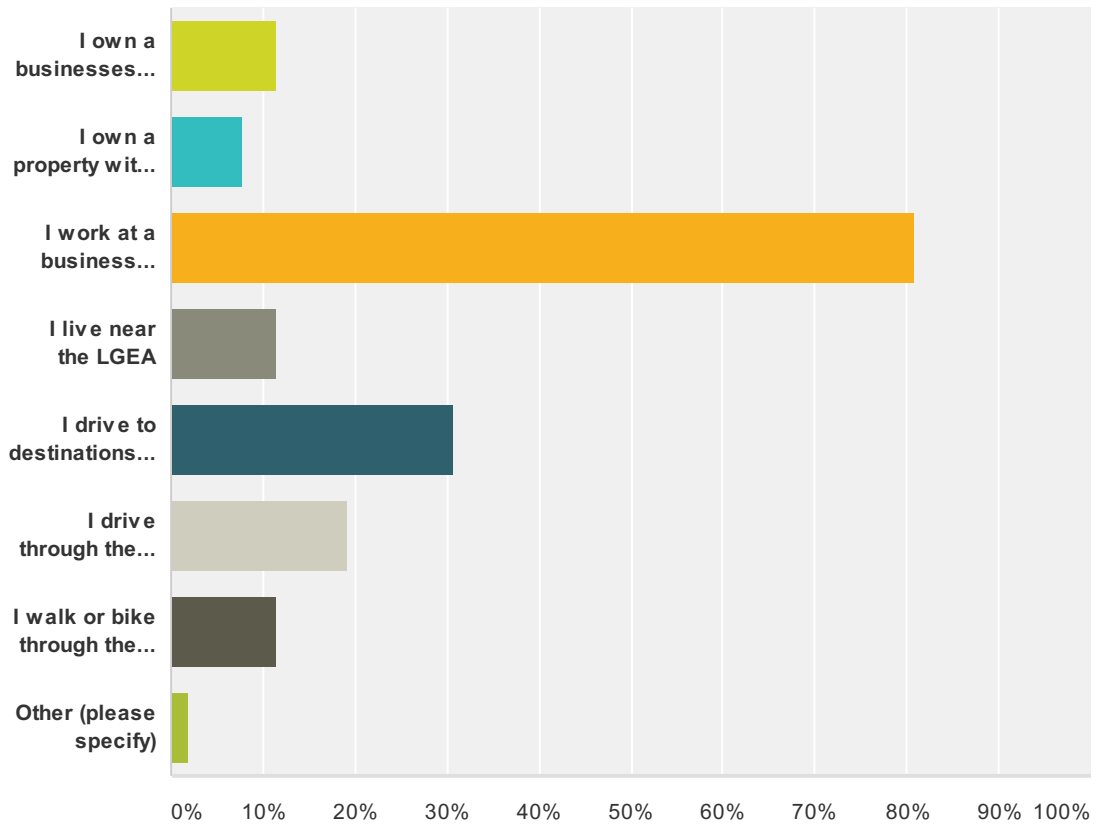
you aware of any potential environmental hazards on your property? If so, what do you know about the potential hazard?

- a. If your property is eligible for an assessment under the other City grant, are you interested in receiving more information about the assistance that may be available?
8. What role does infrastructure (roads, storm drainage) play in helping or hindering future business growth in the LGEA?
  9. What and where are infrastructure improvements (e.g., road, pedestrian, bicycle, storm drainage, and etc.) needed within the LGEA? Please list here using specific identifiers, such as street names.
  10. To operate efficiently, do you or your tenants have any specific needs related to access, parking, circulation, vehicle or equipment operations that should be taken into consideration? Is the current configuration of parking essential to existing and anticipated future business operations?
  11. Is there anything else the City can do to help businesses to be successful in this area (e.g., public parking, signage, streamlined permitting, storefront improvement loans, small business advice, and etc.)?
  12. Among the improvements you've identified, which three are the most important to you and why?
  13. Vancouver has miles of major streets that needed to be upgraded because they do not meet the required standards. Rapid community growth created a situation where street investment and maintenance needs grew faster than revenues. As part of the process to develop a long-term funding strategy, the City is considering refinements to policies and plans as well as options for increasing funding. Under what circumstances might you be willing to support public-private funding partnerships that direct public investments to the LGEA?
  14. Additional meetings with property owners will be scheduled over the next year to provide input as the draft plan is developed. Is this something you would be interested in participating in? If so, are there days and times that are preferable for meetings?
  15. Is there anything else you would like the City to consider as we get started with this process?

Thank you for your time today. A report summarizing the results of these interviews in aggregate will be completed and posted to the project web site. We will send you an email with a link to the report when it is available.

### Q1 Which of the following best describes your interest in the LGEA? (select all that apply)

Answered: 52 Skipped: 0

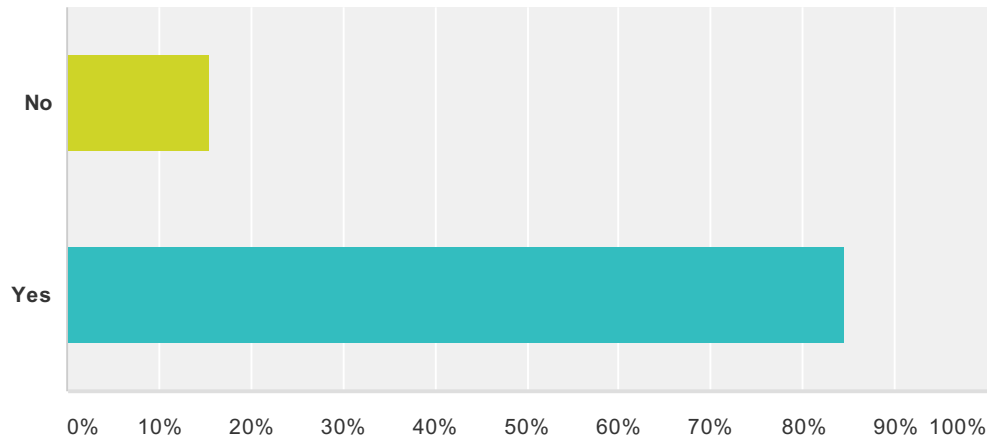


Answer Choices	Responses
I own a businesses within the LGEA	11.54% 6
I own a property within the LGEA	7.69% 4
I work at a business located in the LGEA	80.77% 42
I live near the LGEA	11.54% 6
I drive to destinations to shop within the LGEA	30.77% 16
I drive through the area to reach destinations outside of the LGEA	19.23% 10
I walk or bike through the area to reach destinations outside of the LGEA	11.54% 6
Other (please specify)	1.92% 1
<b>Total Respondents: 52</b>	

#	Other (please specify)	Date
1	Deal with complaints from business in this area	3/17/2014 9:00 AM

**Q2 The City of Vancouver is aware that roadway conditions in the LGEA vary widely and some streets are deteriorating or are substandard. Are you or your business affected by the condition of City streets, sidewalks/paths or bicycle lanes?**

Answered: 52 Skipped: 0



Answer Choices	Responses
No	15.38% 8
Yes	84.62% 44
<b>Total</b>	<b>52</b>

#	If yes, how are you or your business affected?	Date
1	Driving or walking in the area	3/31/2014 10:58 PM
2	The streets are in really bad shape, and are chewing up my tires.	3/31/2014 3:55 PM
3	Huge potholes have caused two flats for me. Or I have to choose to drive on the other side of the road (no traffic is on opposing side). There is also an issue with flooding when it rains.	3/31/2014 2:15 PM
4	Flooding, blind spots around corners and large trucks getting stuck or blocking access.	3/31/2014 12:22 PM
5	Large pot holes, flooded roads, lots of debris which causes flat tires. Low visibility at intersections.	3/31/2014 11:55 AM
6	Many times I have to drive through deep water with many hidden pot holes. There are also blind corners that must be navigated.	3/31/2014 11:54 AM
7	The roads are terrible. There are only two roadways back to the office that I work in, and I am terrified of getting a flat tire. It is inconvenient and stressful.	3/31/2014 11:50 AM
8	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/31/2014 11:47 AM
9	Very full of grooves, nails causing flat tires, MAJOR flooding, construde vision. Insta fab has semi-trucks clocking the roads making it very dangerous.	3/31/2014 11:46 AM
10	Getting to our Commercial Real Estate Brokerage Offices is embarrassing due to the size, frequency and prevalence of pot holes. The Roads are terrible. When it rains you have to "forge rivers" to get to our building which was built in 2011.	3/28/2014 1:12 PM

## City of Vancouver: Lower Grand Employment Area Subarea Action Plan

11	Constant flooding or standing water in the rainy months due to a lack of drainage. Potholes and uneven road surfaces due to lack of road maintenance. No sidewalks to walk to nearby stores or restaurants. Lack of street lighting in the surrounding streets.	3/27/2014 5:28 PM
12	Constant flooding or standing water in the rainy months due to a lack of drainage. Potholes and uneven road surfaces due to lack of road maintenance. No sidewalks to walk to nearby stores or restaurants. Lack of street lighting in the surrounding streets.	3/27/2014 5:22 PM
13	Streets flood from time to time	3/27/2014 1:02 PM
14	Large potholes, SEVERE flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets. The potholes are very bad and the flooding is even more bad... sometimes I am scared to drive my car through because I am afraid it will damage my car. The water is so high it's like going through a swamp.	3/27/2014 9:49 AM
15	Difficult to get to and from work without getting water into brakes and lower part of engine area. Difficult to ask clients to visit our office when it rains.	3/26/2014 2:43 PM
16	It is very hard to drive through the bad road conditions and flooding.	3/26/2014 8:36 AM
17	I am having suspension issues on my car that will be costly to repair from the road issues.	3/25/2014 8:00 AM
18	Rough roads and signage is limited in area of high pedestrian use.	3/24/2014 6:14 PM
19	Inferior road cause premature wear and tear on our company, employee and supplier vehicles. We often have lakes outside and sometimes inside our property when it rains.	3/24/2014 4:01 PM
20	Flooded streets and pot holes which can be hidden by the standing water	3/24/2014 2:16 PM
21	Roads in this area are full of potholes/cracks, large dips etc. Very deep/large puddles and flooding of roads when it rains. High instances of flat tires among our coworkers. Our business is located on 2300 E 3rd Loop. Streets leading up to the building: X st, Y st, V st, 1st and 2nd all have problem areas.	3/24/2014 1:48 PM
22	The roads are really rough.	3/24/2014 12:21 PM
23	Large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 11:55 AM
24	Large pot holes, variable levels of flooding whenever it rains-which then hide the large pot holes, and limited visibility when turning around corners of 1st/Y, 1st/V, 2nd/X, and 2nd/V/3rd.	3/24/2014 9:46 AM
25	large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 9:45 AM
26	Some times the flooding is so deep and bad it's almost flooding our cars and engine. When there's so much water you can't tell where the huge pot holes are and your car is damaged when you hit the large pot holes.	3/24/2014 9:34 AM
27	Severe Flooding at times, Large Potholes, Poor visibility	3/24/2014 9:24 AM
28	We have several pot holes in the area, causing severe flooding. It is also ruining the balance of my car from how deep the pot holes are.	3/24/2014 9:18 AM
29	Pot holes and limited visibility around corners when driving through effected area. Also Flooding occurs around area behind Fred Meyers	3/24/2014 9:14 AM
30	There are large potholes, severe flooding anytime it rains, and very low visibility coming around corners on 1st, Y, 2nd and X streets - I was almost hit head-on by a driver that was driving on my side of the road to avoid a large puddle on theirs as I was coming around a corner.	3/24/2014 9:12 AM
31	The flooding makes it unsafe to drive to my workplace. The pot holes are hard on my tires and car.	3/24/2014 8:56 AM
32	Extremely large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 8:11 AM
33	Potholes and flooding reduce access to our business. The problem areas are on X, Y, 1st, and 2nd Streets.	3/19/2014 4:31 PM
34	tire and windshield damage from..... large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:19 PM

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35	There are very large potholes and flooding when it rains all the way from 1st and Grand back through 2nd and to 3rd Loop to where our office is. This is the route I have to take to work each day as there is no other way to get there.	3/19/2014 2:42 PM
36	In the 9 months of the year when it rains steady Y street and E 2nd street flood to a minimum of 3 inches, and in some places more. This flooding is not just in potholes, it is over the entire street and showing no pavement. I and the rest of the people I work with have to drive through this flooding every day. I drive a car that is low to the ground and I know that the water is above the bottom of my door. I am sure this damage to my breaks, wheels, and undercarriage of my car. This happens to all of our employees and customers.	3/19/2014 11:14 AM
37	It is becoming increasingly difficult to avoid large pot holes in the streets in this area. If it rains all of Y Street and 2nd Street become a lake. I drive a small car and I am always afraid of flooding my engine when I am forced to drive through large bodies of water that are at least a foot deep if not more.	3/19/2014 11:09 AM
38	I work in the area (E. 3rd Loop), and drive to the office 5 days a week. The roads in this area become extremely flooded, and there are several large, deep potholes. These obstacles are so numerous that there is absolutely no way to maneuver around them. As commuters, we are forced to subject our automobiles to this treacherous terrain, that only off-road vehicles should use. I always use caution when driving these roads, in the hopes that I do not, or have not, damaged my vehicle. I am also concerned that there have been, or will be, injury accidents, as drivers are forced to use only one side of the road(s) to avoid the flooding and potholes. We also use these roadways to take walks, on our breaks. Pedestrians are also in danger here.	3/19/2014 10:48 AM
39	I am person affected. the flooding and pot holes are increasing getting worse. There are times that I am concerned to park in the area because the flooding is so bad that I park at a local shopping center and walk to my office.	3/19/2014 10:47 AM
40	Uneven roads and lack of drainage cause veritable lakes, it is impossible to avoid or judge the depth of the water. The accumulation is almost immediate following any sort of rain. Unclear road designation creates a hazard for pedestrians, drivers and other businesses when loading, unloading and navigating roadways. Surface of roads (i.e. Potholes) are difficult and hazardous; there are more than a dozen reports in the last year of employees with flat tires due to debris (and more specifically, not being able to see or avoid them).	3/19/2014 10:46 AM
41	The roads going to our office are often flooded and full of pot holes. Some of the businesses on 2nd St use it as if it was part of their business by unloading or loading trucks and using it as a parking lot.	3/19/2014 10:40 AM
42	It's impossible to drive through roads when the rains are heavy and when it's not raining, the cracks in the road damage tires. I personally had to replace all tires 3 times every year due to these roads. In addition, it's very dangerous to walk because cars can pop out of nowhere.	3/19/2014 10:29 AM
43	streets are flooded to drive to work	3/19/2014 10:24 AM
44	The flooding and poor road conditions make it difficult for us to lease our property.	3/18/2014 5:25 PM
45	I work for the city of Vancouver specifically in Storm Water Maintenance.	3/17/2014 9:00 AM



**Q3 Which streets or segments of streets do you believe need improvement? Please list/describe needed improvements.**

Answered: 46 Skipped: 6

#	Responses	Date
1	E 1st St, E 2nd St., and Y St., major flooding, major holes in the asphalt. I believe the flooding is the big reason why the roads have worsened.	3/31/2014 3:55 PM
2	The street behind Fred Meyers, one side of the two way street is paved nicely, the other - side is a mess. Also, the connecting roads back to the businesses, including the access roads to Net-Rx.	3/31/2014 2:15 PM
3	The main road behind Fred Meyer and then all of the partially paved dirt rads behind the towing company back to MHA/Net-Rx. All of the roads are terrible, besides the road next to the walking path.	3/31/2014 12:22 PM
4	1st, Y, 2nd, X - see answer to question 2.	3/31/2014 11:55 AM
5	Y Street -Needs drainage and road repair N V Street -Needs drainage and road repair E 1st Street - Needs drainage and road repair E 2nd Street -Needs drainage and road repair	3/31/2014 11:54 AM
6	Y street and N V Street	3/31/2014 11:50 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets. Level smooth roads, that will not flood.	3/31/2014 11:47 AM
8	1st, Y, 2nd an X	3/31/2014 11:46 AM
9	All streets between Grand, East 1st, East 5th, need storm sewer installation, and repaving.	3/28/2014 1:12 PM
10	From Grand Ave & 1st Street North to 3rd Street Drainage and road repairs.	3/27/2014 5:28 PM
11	From Grand Ave & 1st Street North to 3rd Street Drainage and road repairs.	3/27/2014 5:22 PM
12	Segments of the streets north of Fred Meyer and west of Grand	3/27/2014 1:02 PM
13	1st, Y, 2nd and X Streets. Needs more drainage for when it rains and potholes need to be fixed.	3/27/2014 9:49 AM
14	X, 1st, and 2nd all flood very badly and have large pot holes when it's dry.	3/26/2014 2:43 PM
15	It seems to be the streets behind the main road that most of the businesses (including the one I work with) are located	3/26/2014 8:36 AM
16	X-Street, Y-Street, 2nd street, 1st street	3/25/2014 8:00 AM
17	Columbia House Boulevard, Grand Avenue	3/24/2014 6:14 PM
18	east 1st, Y	3/24/2014 4:01 PM
19	1st, 2nd, x, y streets	3/24/2014 2:16 PM
20	Our business is located on 2300 E 3rd Loop. Streets leading up to the building: X st, Y st, V st, 1st and 2nd all have problem areas. Need potholes and cracks filled/levelled.	3/24/2014 1:48 PM
21	All of these I use and need work: E 1st Street - pot holes and uneven roadways Y street - severe flooding V street/and E 2nd Street - severe flooding	3/24/2014 12:21 PM
22	1st, Y, 2nd an X Streets.	3/24/2014 11:55 AM
23	Western most end of 1st is terrible, all of Y is terrible, all of 2nd is terrible, and the end of North V where it meets 2nd and 3rd. Large pot holes and flooding are major issues for all streets listed.	3/24/2014 9:46 AM
24	1st, Y, 2nd an X Streets. large potholes, severe flooding	3/24/2014 9:45 AM
25	The old gravel roads are throught out on 1st, Y, 2nd an X Street	3/24/2014 9:34 AM
26	1st, Y, 2nd, and X Streets	3/24/2014 9:24 AM

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27	Pot holes need to be covered and with a durable foundation, Trucks are running through this area, causing severe damage. Streets include: 1st, Y, 2nd an X Streets.	3/24/2014 9:18 AM
28	East 1st st & East 2nd Street	3/24/2014 9:14 AM
29	1st, Y, 2nd and X streets	3/24/2014 9:12 AM
30	1st, Y, 2nd and X streets have low visibility and large pot holes.	3/24/2014 8:56 AM
31	1st Street, Y, 2nd Street and X Street.	3/24/2014 8:11 AM
32	That section North of Fred Meyer, and West of Grand Boulevard. Also Fifth Street to some extent.	3/20/2014 7:51 AM
33	The problem areas are on X, Y, 1st, and 2nd Streets. Repave all roads. Add Area Drains/Catch Basins to eliminate floods.	3/19/2014 4:31 PM
34	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd an Y Streets	3/19/2014 4:19 PM
35	1st, X, 2nd and Y streets all have very large potholes and are completely flooded when it rains.	3/19/2014 2:42 PM
36	E 1st needs better drainage, E 2nd, Y Street, X Street, V Street and E 3rd Loop need drainage and paved.	3/19/2014 11:14 AM
37	Y Street, 1st Street and 2nd Street are the worst.	3/19/2014 11:09 AM
38	E. 1st Street, E. 2nd Street, E. 3rd Loop	3/19/2014 10:48 AM
39	all of E 2nd Street - Potholes & flooding all of E 3rd Loop - Potholes & flooding	3/19/2014 10:47 AM
40	E 1st E 2nd Z st	3/19/2014 10:46 AM
41	2nd street needs to be completely rebuilt. It is un-even and fill of pot holes. It also floods every time it rains.	3/19/2014 10:40 AM
42	I wouldn't call them roads, there are no actual streets by where my employment is located. Would be nice to have actual flat roads.	3/19/2014 10:29 AM
43	stop flooding on rainy days on the following streets: E 2nd & X street E 1st & Y street	3/19/2014 10:24 AM
44	We are on Y Street. The streets behind us and on the other side of us all have the same poor conditions: flooding, large pot holes, poor definition of road vs off road vs curb.	3/18/2014 5:25 PM
45	5th street is pretty rough from Groves to Grand and Grand is also pretty rough in the north half by the football field. Sidewalks in those areas would also be nice.	3/18/2014 4:12 PM
46	Area of 1st & 2nd streets - V st to Y st	3/17/2014 9:00 AM

## Q4 Among the street improvements you've identified, which one or two are most important to you and why?

Answered: 46 Skipped: 6

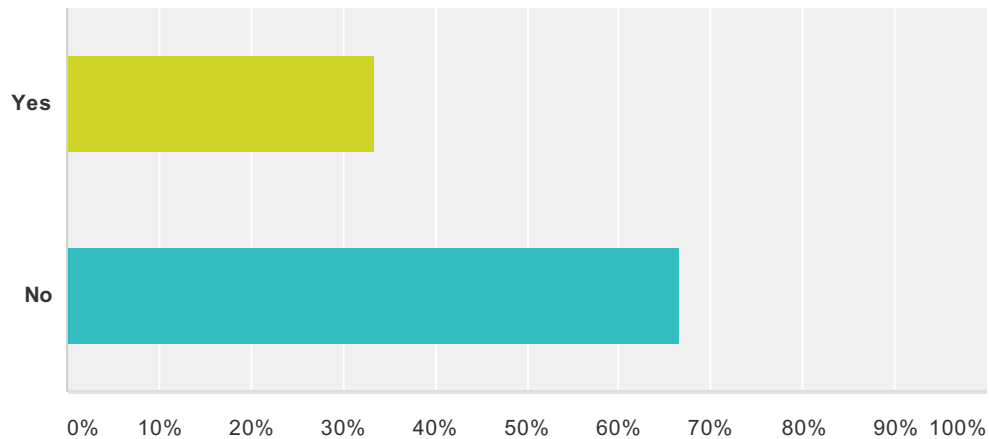
#	Responses	Date
1	The flooding is *really bad on E 2nd St. and Y St. and large sections of the asphalt are missing / need massive pot hole repair.	3/31/2014 3:55 PM
2	Huge Potholes and subsequent flooding!	3/31/2014 2:15 PM
3	Main road between FM and towing company - because it floods so much we have had to park at Fred Meyer and shuttle into work with people that owned trucks. I also have had 3 flats in the last 3 months. I can't 100% blame the roads, but I think that is has something to do with it for sure.	3/31/2014 12:22 PM
4	Flooding and pot holes - damaging to my vehicle.	3/31/2014 11:55 AM
5	Y and E 2nd streets. They are in the worst condition and have the worst drainage.	3/31/2014 11:54 AM
6	Y street and N V Street	3/31/2014 11:50 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets.	3/31/2014 11:47 AM
8	Y and 2nd, because I travel down them daily. Like Question 1 Very full of grooves, nails causing flat tires, MAJOR flooding, construde vision. Insta fab has semi-trucks clocking the roads making it very dangerous.	3/31/2014 11:46 AM
9	It would be easier to state which do not need attention, that would be 3rd Loop.	3/28/2014 1:12 PM
10	Drainage and road surface replacement	3/27/2014 5:28 PM
11	Drainage and road surface replacement	3/27/2014 5:22 PM
12	same	3/27/2014 1:02 PM
13	The drainage is top priority because it makes me afraid to drive my car through to get to work and go home from work. Potholes are bad too because sometimes in the dark you can't tell where the potholes are until after you've driven over them.	3/27/2014 9:49 AM
14	Improve the drainage so that the flooding isn't as bad.	3/26/2014 2:43 PM
15	The streets with all the terrible pot holes	3/26/2014 8:36 AM
16	X-Street, 2nd street, The pot holes and flooding are VERY bad!	3/25/2014 8:00 AM
17	Columbia House - many pedestrians	3/24/2014 6:14 PM
18	storm water handling and paving	3/24/2014 4:01 PM
19	2nd and x for deep water and rough roads	3/24/2014 2:16 PM
20	y/x st. Most travelled, in the worst condition.	3/24/2014 1:48 PM
21	E 1st Street - pot holes and uneven roadways Y street - severe flooding	3/24/2014 12:21 PM
22	All the street effected are important to me - 1st, Y, 2nd an X Streets. I drive or walk on all of them.	3/24/2014 11:55 AM
23	Large pot holes and flooding because it's damaging my car to try and dodge the pot holes I can't see when it rains and therefore floods.	3/24/2014 9:46 AM
24	LARGE POTHOLEs, because they ruin my car and tires	3/24/2014 9:45 AM
25	1st, Y, 2nd and X Street lead to my place of work and have cause damage to my car and other co-workers cars.	3/24/2014 9:34 AM
26	Flooding and Potholes. Makes driving on those roads very difficult and hard on my car.	3/24/2014 9:24 AM

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27	Pot Holes and visibility!	3/24/2014 9:18 AM
28	Pot holes and Limited Visibility due to danger to people walking around effected area.	3/24/2014 9:14 AM
29	1st, Y, 2nd and X streets	3/24/2014 9:12 AM
30	The flooding is not safe to drive a car through. The pot holes are hard on tires. Poor visibility is unsafe.	3/24/2014 8:56 AM
31	Fixing the potholes and the flooding issues. It's nearly impossible to access our building during heavy rains with the severe flooding and not being able to see the large potholes, which are dangerous and causing excessive wear and tear on vehicles.	3/24/2014 8:11 AM
32	Only two listed.	3/20/2014 7:51 AM
33	Flooding and potholes are most important. Causes damages to cars and reduced access to business.	3/19/2014 4:31 PM
34	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd an Y Streets	3/19/2014 4:19 PM
35	All as that is the only route available to get to our office.	3/19/2014 2:42 PM
36	Drainage and pavement on E 2nd and Y Street.	3/19/2014 11:14 AM
37	Potholes and flooding! I shouldn't have to drive through a lake and pray the whole way that my engine won't flood just to get to and from work.	3/19/2014 11:09 AM
38	E. 3rd Loop and E. 2nd Street. I drive these roads every single day, to get to work.	3/19/2014 10:48 AM
39	all of E 2nd Street - Potholes & flooding all of E 3rd Loop - Potholes & flooding	3/19/2014 10:47 AM
40	Evening out the road surfaces and providing better drainage.	3/19/2014 10:46 AM
41	all of it	3/19/2014 10:40 AM
42	All of them.	3/19/2014 10:29 AM
43	flooding - It is so deep that sometimes we have to carpool from Fred Meyers parking lot in a truck so that our cars do not stall out	3/19/2014 10:24 AM
44	Remedy the flooding and pave the road.	3/18/2014 5:25 PM
45	Grove street is the worst and it fronts my office building.	3/18/2014 4:12 PM
46	Curbs, sidewalks with Storm Water improvements. So that you can actually perform storm and street maintenance year round. As it is the area is under water (no visible areas of street) a lot of time during the winter months.	3/17/2014 9:00 AM

### Q5 Are you able to conveniently travel (by car, truck, bike and walking) where you want to go within or through the LGEA?

Answered: 51 Skipped: 1



Answer Choices	Responses
Yes	33.33% 17
No	66.67% 34
<b>Total Respondents: 51</b>	

#	If not, where do your trips start and where are you going? (origin/destination)	Date
1	Pot holes and dangerous obstructed views	3/31/2014 10:59 PM
2	I wouldn't consider walking or biking E 1st St, and Y st., the damage to the roadway is so bad. The flooding makes navigating that area by foot or bike, messy and dangerous - hidden potholes, standing water and mud.	3/31/2014 3:59 PM
3	Just dangerous.	3/31/2014 2:17 PM
4	Walking is rough because of pot holes and HUGE puddles.	3/31/2014 12:23 PM
5	From S Grand Street to E 3rd Loop.	3/31/2014 11:55 AM
6	Y street and N V Street back to E 3rd Loop	3/31/2014 11:53 AM
7	Battle Ground Wa to Net-Rx on E 3rd Loop. Traveling through the back streets which include 1st, Y, 2nd an X Streets are awful.	3/31/2014 11:48 AM
8	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets.	3/31/2014 11:48 AM
9	Start on Grand going to 3rd Loop via East 1st Ave. The roads are terrible.	3/28/2014 1:17 PM
10	X, Y, 1st	3/27/2014 9:49 AM
11	Grand to 3rd Loop.	3/26/2014 2:46 PM
12	Not if it rains the water is at my car door level often.	3/25/2014 8:02 AM
13	all travel to my office building at 2300 e 3rd loop gets dicey after the turn from Grand blvd to 1st.	3/24/2014 1:49 PM

14	It's not very convenient to worry about flooding my car when road way conditions are bad and the	3/24/2014 12:24 PM
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14	It's not very convenient to worry about flooding my car when road way conditions are bad and the flooding is so high that I risk that or bounce around or have to move left of center to drive on a road without potholes.	3/24/2014 12:47 PM
15	NO - Large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 11:55 AM
16	Yes, unless going anywhere North of Fred Meyer. Then there's nothing convenient about driving, walking or biking in this area...and I do all 3 I do regularly as I ride my bike to work, drive to work and walk to Fred Meyer from work..which is in the terrible LGEA area.	3/24/2014 9:49 AM
17	i can travel, but NOT conveniently. i usually have to swerve to each side of the road to avoid large potholes	3/24/2014 9:47 AM
18	I come from my house North of here and the roads are fine till I get close to work and on these gravel roads full up deep pot holes.	3/24/2014 9:40 AM
19	I travel into second street from Grand and back out again by car.	3/24/2014 9:28 AM
20	I guess you could say that, however, sometimes I feel like I need to take a boat to get to my job because the flooding is SO bad!	3/24/2014 9:21 AM
21	When Flooding occurs there is a risk a car could stall. Water is deep. Limited visibility around corners causes people to be in harm's way.	3/24/2014 9:16 AM
22	I can travel through this area, but it is not convenient. Large trucks are in the area and there is low visibility, so it is not safe most of the time. Going through the area is risky.	3/24/2014 9:01 AM
23	I turn off of Grand onto 1st Street and continue back onto V Street onto East 3rd Loop. there is an alternate route off of 1st but the potholes and flooding is worse this route than just following 1st back.	3/24/2014 8:15 AM
24	Condition of streets North of Fred Meyer are in bad condition.	3/20/2014 7:52 AM
25	2300 E 3rd Ave. All roads behind Fred Meyer need to be replaced in this business/industrial area.	3/19/2014 4:34 PM
26	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:20 PM
27	I turn west onto 1st from Grand and continue onto X, 2nd then Y and end at 2300 E 3rd Loop. Or I can continue on 1st around to 2nd from the west end. Either way there are very large potholes and flooding clear across the street.	3/19/2014 2:47 PM
28	Every weekday I leave my home a few blocks from Mill Plain and 164th and travel down Mill Plain or Hwy 14 turn from Grand onto E 1st, then Y Street, then E 2nd, then X Street where I work.	3/19/2014 11:30 AM
29	2300 E 3rd Loop Vancouver, WA 98661	3/19/2014 11:10 AM
30	I drive from Camas, WA., to 2300 E. 3rd Loop, to get to work everyday (SR 14 to E. 3rd Loop).	3/19/2014 10:48 AM
31	No at times I am too concerned about the flooding and that the large potholes are hidden that I will park and walk to my office in rubber boots.	3/19/2014 10:48 AM
32	I can get to work but I have to drive extremely slow due to pot holes and such. I also often need to drive outside of my lane to avoid large puddles	3/19/2014 10:42 AM
33	I start in Downtown Vancouver and work at 2300 E 3rd Loop, Vancouver, WA 98661. Take a trip down here and see for yourself. It's dangerous to drive, bike or walk.	3/19/2014 10:32 AM
34	Work Commute: Starts in Orchards go smoothly until I get to Grand and E 1st Street, that is where the flooding begins even on not very rainy days	3/19/2014 10:27 AM
35	Walking is impossible when the streets are flooded. Typically, we would walk from 116 Y Street to the Fred Meyers shopping area for lunch, in the winter we have to take a car. For employees who walk from the bus stop on Grand to 116 Y Street to work, they have no alternative but to get wet to their knees to get to the building. The large potholes are impossible to see during flooding and result in damage to our cars when we hit them,	3/18/2014 5:28 PM
36	I can drive easily enough, but a trolley of some sort serving a local loop would allow transportation choices.	3/17/2014 3:37 PM
37	From 1st & Y to 2nd & Y and also @ the intersection of V st & 2nd st. Responding to customer complaints.	3/17/2014 9:01 AM

**Q6 Are there specific road segments or intersections you find problematic? If so, please identify the location and describe the issue.**

Answered: 41 Skipped: 11

#	Responses	Date
1	All of Y st. is almost impassable except by car or truck on rainy days, and for a day or two afterwards.	3/31/2014 3:59 PM
2	The roads behind Fred Meyer and connecting roads to established businesses, i.e. Net-Rx.	3/31/2014 2:17 PM
3	Coming around the corners on both sides of the Net-Rx building is dangerous and a collision could easily happen.	3/31/2014 12:23 PM
4	Y Street, N V Street, E 1st Street, and E 2nd Street and all of their associated intersections. Many times I have to drive through deep water with many hidden pot holes. There are also blind corners that must be navigated.	3/31/2014 11:55 AM
5	Y street and N V Street. They are worn down and extremely bumpy. Also when it rains, there is such a terrible dip that a lake begins to form.	3/31/2014 11:53 AM
6	1st, Y, 2nd an X Streets	3/31/2014 11:48 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets.	3/31/2014 11:48 AM
8	Any streets from just west of Grand to Nourth "V" Street to East 2nd Street	3/28/2014 1:17 PM
9	Grand floods. 1st, X, and 2nd flood.	3/26/2014 2:46 PM
10	The area by Insta Fab & Vancouver Sheet Metal and Roofing is very bad	3/25/2014 8:02 AM
11	Y st street loop particularly bad	3/24/2014 4:02 PM
12	2nd has fence built to the property line and creates blind corners and standing water	3/24/2014 2:18 PM
13	see 5.	3/24/2014 1:49 PM
14	E 1st street with the potholes is problematic. The severe flooding at Y St and 1st St and V St and 2nd St are problematic.	3/24/2014 12:24 PM
15	1st, Y, 2nd an X Streets.	3/24/2014 11:55 AM
16	Western most end of 1st is terrible, all of Y is terrible, all of 2nd is terrible, and the end of North V where it meets 2nd and 3rd. Large pot holes and flooding are major issues for all streets listed. Limited visibility when turning around corners of 1st/Y, 1st/V, 2nd/X, and 2nd/V/3rd.	3/24/2014 9:49 AM
17	large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets.	3/24/2014 9:47 AM
18	The flooding and huge pot holes are on 1st, Y, 2nd and X Street.	3/24/2014 9:40 AM
19	1st, Y, 2nd an X Streets have issues with deep standing water at times and large pothole form that are hidden by the deep water. It is also very difficult to see if there is traffic when transitioning from street to street in this area.	3/24/2014 9:28 AM
20	See notes before (street names)	3/24/2014 9:21 AM
21	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:16 AM
22	1st, Y, 2nd and X streets	3/24/2014 9:13 AM
23	Coming around the corner by the saw mill has no visibility. I have had near collisions on several occasions.	3/24/2014 9:01 AM

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24	1st Street - Potholes and flooding Y - potholes, flooding, low visibility coming around the corner 2nd Street - potholes, flooding, low visibility coming around the corner X Street - potholes, flooding, low visibility coming around the corner	3/24/2014 8:15 AM
25	Left turn from Grand to fifth	3/22/2014 8:30 PM
26	Turning left onto Grand Blvd from E 6th St.	3/20/2014 9:24 AM
27	See previous answer.	3/20/2014 7:52 AM
28	The problem areas are on X, Y, 1st, and 2nd Streets.	3/19/2014 4:34 PM
29	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:20 PM
30	Yes, as described above. All routes leading in to 2300 E 3rd Loop are problematic.	3/19/2014 2:47 PM
31	When I drive down E 1st Street and need to turn onto Y Street sometimes it looks like a lake and I can't see any pavement. So I don't turn onto Y Street and I go down 1st to where it loops around to connect to E 2nd Street. This road is only paved partway and has large puddles, but at least you can maneuver around the deepest water.	3/19/2014 11:30 AM
32	Y St, 1st & 2nd St	3/19/2014 11:10 AM
33	Extreme flooding and potholes on E. 1st Street, E. 2nd Street and E. 3rd Loop.	3/19/2014 10:48 AM
34	Yes - from turning onto Z St. and around to 2nd, this is the worst sections. No drainage, no clear parking or walking path along road, and holes in the ground	3/19/2014 10:48 AM
35	all of E 2nd Street - Potholes & flooding all of E 3rd Loop - Potholes & flooding	3/19/2014 10:48 AM
36	2300 E 3rd Loop, Vancouver, WA 98661, come on down and see for yourself, especially after a night of rain.	3/19/2014 10:32 AM
37	road floods at: E 1st & Y E 2nd & V	3/19/2014 10:27 AM
38	The entire area.	3/18/2014 5:28 PM
39	none	3/18/2014 4:13 PM
40	Grand BL as it goes down the hill to Grand Central is not pedestrian or bike friendly. There is a section there that is also without any railing to protect from a considerable drop in a turn. This feels dangerous.	3/17/2014 3:37 PM
41	See question 5	3/17/2014 9:01 AM



## Q7 Among the connectivity issues you've identified, which one or two are most important to you and why?

Answered: 38 Skipped: 14

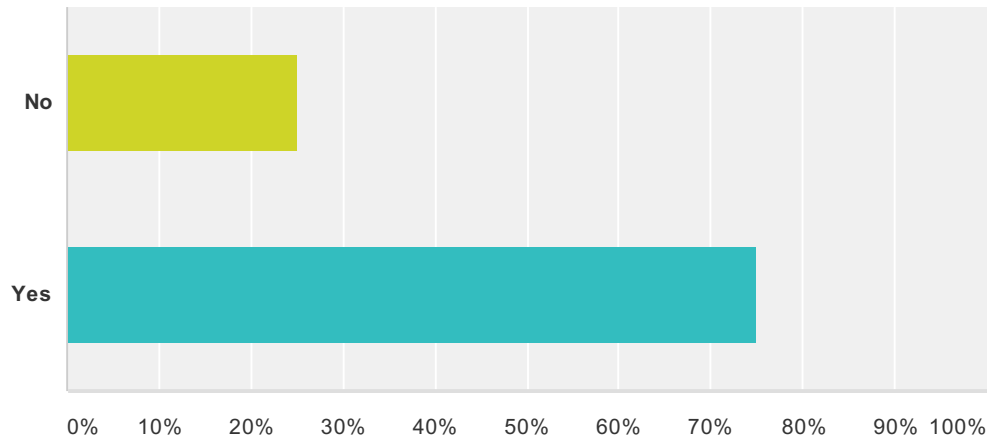
#	Responses	Date
1	E 1st St and Y st. I've already answered that above.	3/31/2014 3:59 PM
2	Potholes and subsequent flooding! Huge, can't be avoided potholes. dangerous because you have to sometimes drive around them. This posses a terrible risk as there are blind comers!	3/31/2014 2:17 PM
3	FM main road and blind spots. Safett	3/31/2014 12:23 PM
4	Y and E 2nd streets and their associated intersection. They are in the worst condition and have the worst drainage.	3/31/2014 11:55 AM
5	Y street and N V Street.	3/31/2014 11:53 AM
6	Y and 2nd	3/31/2014 11:48 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/31/2014 11:48 AM
8	site distancing at Y Street and E 1st is dangerous, as is the North V street and W street.	3/28/2014 1:17 PM
9	drainage because it damages my car.	3/26/2014 2:46 PM
10	The area by Insta Fab & Vancover Sheet Metal and Roofing are direct in and out of this area.	3/25/2014 8:02 AM
11	lack of curbs and arterial delineation	3/24/2014 4:02 PM
12	rough roads, permanent fences and structure's built to the ROW	3/24/2014 2:18 PM
13	see 4.	3/24/2014 1:49 PM
14	E 1st street with the potholes is problematic. The severe flooding at Y St and 1st St and V St and 2nd St are problematic.	3/24/2014 12:24 PM
15	All the street effected are important to me - 1st, Y, 2nd an X Streets. I drive or walk on all of them.	3/24/2014 11:55 AM
16	1st/V terrible pot holes, 2nd street terrible pot holes	3/24/2014 9:49 AM
17	large potholes, severe flooding	3/24/2014 9:47 AM
18	1st, Y, 2nd and X Street are the road I have to take to get to work and floods have been so bad theres days I don't think my car and make it in.	3/24/2014 9:40 AM
19	Flooding and potholes as it makes driving difficult and hard on the car.	3/24/2014 9:28 AM
20	Again, the pot holes are a huge issue.	3/24/2014 9:21 AM
21	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:16 AM
22	1st, Y, 2nd and X streets	3/24/2014 9:13 AM
23	Often trucks are blocking the road. It is necessary to have more than one way to reach our office. When one street is blocked, and the other is flooded, there are no good choices for getting to work.	3/24/2014 9:01 AM
24	Potholes and flooding	3/24/2014 8:15 AM
25	6th and Grand	3/20/2014 9:24 AM
26	Again, only two listed.	3/20/2014 7:52 AM
27	All of the above.	3/19/2014 4:34 PM
28	large potholes, severe flooding and low visibility coming around comers on 1st, X, 2nd an Y Streets	3/19/2014 4:20 PM

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29	All as there is no alternate route.	3/19/2014 2:47 PM
30	As I said before drainage and pavement on Y and 2nd Streets.	3/19/2014 11:30 AM
31	Flooding and Pot holes.	3/19/2014 11:10 AM
32	E. 1st Street and E. 2nd Street - Extreme flooding and potholes.	3/19/2014 10:48 AM
33	all of E 2nd Street - Potholes & flooding all of E 3rd Loop - Potholes & flooding	3/19/2014 10:48 AM
34	All of them	3/19/2014 10:32 AM
35	road floods at: E 1st & Y E 2nd & V my only way into work	3/19/2014 10:27 AM
36	n/a	3/18/2014 4:13 PM
37	Planning for pedestrians in this overwhelmingly auto-centric climate is VERY IMPORTANT to me. It is also what made me choose the west side over the east side, which has changed dramatically in the past 15-20 years. It's sprawl-ville anywhere USA over here now. Sad. We are unique, people scaled, and have the advantage of historic Officer's Row. Please be mindful of ALL our citizens, including the elderly or physically challenged, that still want to be active and enjoy this beautiful part of Vancouver, and WA	3/17/2014 3:37 PM
38	See question 5	3/17/2014 9:01 AM

### Q8 Do you experience issues with safely accessing businesses?

Answered: 48 Skipped: 4



Answer Choices	Responses
No	25.00% 12
Yes	75.00% 36
<b>Total</b>	<b>48</b>

#	If yes, identify the location and describe the issue.	Date
1	E 1st St and Y st. are the worst.	3/31/2014 4:01 PM
2	Pot holes, flooding. Danger going through potholes and flooding, as well as dangerous blind spots, if I choose to go around potholes. City is responsible if there is an injury accident!	3/31/2014 2:23 PM
3	Flooding preventing my car from getting to work.	3/31/2014 12:24 PM
4	Insta Fab truck are parked in the road way leaving me to have to weave between them and the vision around the corners is hard to see. They have their cars parked on the streets (if you want to call it a street) and they walk back and forth between cars and their shop and they are hard to see.	3/31/2014 12:17 PM
5	I must drive to E 3rd Loop. Many times I have to drive through deep water with many hidden pot holes. There are also blind corners that must be navigated.	3/31/2014 11:55 AM
6	Y street and N V Street. It is not safe to get to my workplace, I should not have to worry about getting a flat tire everyday.	3/31/2014 11:55 AM
7	low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/31/2014 11:49 AM
8	N V Street, to W Street to X Street to E 2nd Street to Y Street to E 1st Street.	3/28/2014 1:26 PM
9	When it is flooding on X and Y st	3/27/2014 9:50 AM
10	The water can casue stalling issues if high	3/25/2014 8:04 AM
11	east first and y	3/24/2014 4:04 PM
12	blind comers, cars dodging potholes	3/24/2014 2:19 PM
13	see 5.	3/24/2014 1:51 PM
14	On E 1st street, you have to drive in the on coming traffic lane to avoid the potholes. Not a busy street so it's typically okay but still very unsafe.	3/24/2014 12:26 PM

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15	Large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/24/2014 11:58 AM
16	Western most end of 1st is terrible, all of Y is terrible, all of 2nd is terrible, and the end of North V where it meets 2nd and 3rd. Large pot holes and flooding are major issues for all streets listed. Limited visibility when turning around comers of 1st/Y, 1st/V, 2nd/X, and 2nd/V/3rd.	3/24/2014 9:52 AM
17	large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/24/2014 9:48 AM
18	It's not safe at all to drive or walk on these roads.	3/24/2014 9:44 AM
19	1st, Y, 2nd an X Streets have issues with deep standing water at times and large pothole form that are hidden by the deep water. It is also very difficult to see if there is traffic when transitioning from street to street in this area.	3/24/2014 9:34 AM
20	Yes, the visibility is not very safe, Especially with large trucks coming around the comer.	3/24/2014 9:23 AM
21	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:18 AM
22	Trying to avoid large pot holes, flooded areas, and low visibility	3/24/2014 9:15 AM
23	Low visibility and many large trucks in the area is unsafe.	3/24/2014 9:06 AM
24	potholes, flooding, low visibility coming around the comer of 1st, Y, 2nd and X streets	3/24/2014 8:18 AM
25	Potholes can be hidden under water and cause severe damages to tires and cars.	3/19/2014 4:35 PM
26	large potholes, severe flooding and low visibility coming around comers on 1st, X, 2nd an Y Streets	3/19/2014 4:21 PM
27	My only route in to work is from Grand turning west onto 1st then north on X, west on 2nd, north on Y and west again onto 3rd Loop. I have to drive on the wrong side of the road to avoid huge potholes. At several of the comers there is little visibility to make sure no one is coming from the other direction. Constant flooding makes it hard to miss the potholes. You can't walk in as the flooding is very high and clear across the street almost into neighboring businesses.	3/19/2014 2:55 PM
28	Our customers and Vendors all say they worry about the damage they are doing their vehicles.	3/19/2014 11:33 AM
29	When the street has become a lake so deep that you can't even see the potholes you are about to drive into I would say that is a big safety issue.	3/19/2014 11:11 AM
30	I work in the area (E. 3rd Loop), and drive to the office 5 days a week. The roads in this area become extremely flooded, and there are several large, deep potholes. These obstacles are so numerous that there is absolutely no way to maneuver around them. As commuters, we are forced to subject our automobiles to this treacherous terrain, that only off-road vehicles should use. I always use caution when driving these roads, in the hopes that I do not, or have not, damaged my vehicle. I am also concerned that there have been, or will be, injury accidents, as drivers are forced to use only one side of the road(s) to avoid the flooding and potholes. We also use these roadways to take walks, on our breaks. Pedestrians are also in danger here.	3/19/2014 10:51 AM
31	Especially during the winter months when rain can be constant, the water contained on the road way can be dangerous.	3/19/2014 10:49 AM
32	2300 E 3rd Loop, Vancouver, WA 98661 There are no roads, business is located around warehouses, very dangerous area. Wish I could walk to Grand Central.	3/19/2014 10:34 AM
33	flooded streets	3/19/2014 10:28 AM
34	Again, 116 Y street, pothole damage to vehicles.	3/18/2014 5:30 PM
35	With regard to being a pedestrian, yes.	3/17/2014 3:38 PM
36	See quesiton 4	3/17/2014 9:02 AM

**Q9 Among the access issues you've identified, which one or two are the most important to you and why?**

Answered: 33 Skipped: 19

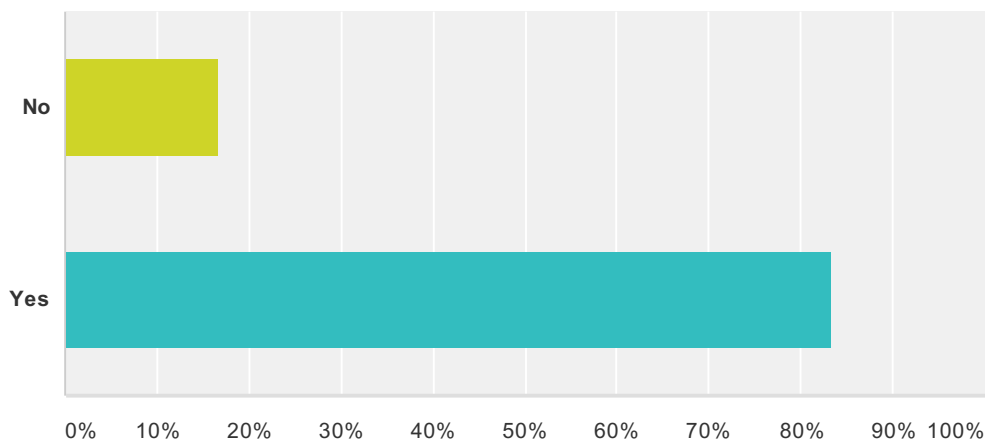
#	Responses	Date
1	E 1st St and Y st. are the worst.	3/31/2014 4:01 PM
2	potholes, flooding, risk of blind spots and resulting accidents.	3/31/2014 2:23 PM
3	coming around comers with blocked vision, and heavy flooding.	3/31/2014 12:17 PM
4	Many times I have to drive through deep water with many hidden pot holes. There are also blind comers that must be navigated. This could cause accidents with other vehicles or damage to my car.	3/31/2014 11:55 AM
5	Y street and N V Street. The water that builds up during rain can cause damage to my car and the bumpy/rough roads can cause flat tires.	3/31/2014 11:55 AM
6	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/31/2014 11:49 AM
7	E 1st Street, N V Street, N X Street, Y Street	3/28/2014 1:26 PM
8	all because they all have the same issue and I can't avoid any of them.	3/26/2014 2:47 PM
9	The area by Insta Fab & Vancouver Sheet Metal and Roofing is very bad	3/25/2014 8:04 AM
10	standing water and potholes	3/24/2014 4:04 PM
11	blind comers	3/24/2014 2:19 PM
12	see 4.	3/24/2014 1:51 PM
13	On E 1st street, you have to drive in the on coming traffic lane to avoid the potholes. Not a busy street so it's typically okay but still very unsafe.	3/24/2014 12:26 PM
14	They are ALL important to me. This effects several areas of my life, not limited to my employment. My safety is being effected.	3/24/2014 11:58 AM
15	Flooding and pot holes	3/24/2014 9:52 AM
16	large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/24/2014 9:48 AM
17	The roads need to be paved on 1st, Y, 2nd an X Streets so people can drive in to work.	3/24/2014 9:44 AM
18	Flooding and Potholes as they cause the most issues	3/24/2014 9:34 AM
19	Visibility.	3/24/2014 9:23 AM
20	Limited visibility and potholes.	3/24/2014 9:18 AM
21	Pot Holes and Flooded Areas	3/24/2014 9:15 AM
22	Fear of colisions.	3/24/2014 9:06 AM
23	Potholes and flooding	3/24/2014 8:18 AM
24	All of the above.	3/19/2014 4:35 PM
25	large potholes, severe flooding and low visibility coming around comers on 1st, X, 2nd an Y Streets	3/19/2014 4:21 PM
26	All as I have not alternative.	3/19/2014 2:55 PM
27	As I said, drainage and pavement on Y and 2nd Streets.	3/19/2014 11:33 AM
28	Again, pot holes and flooding.	3/19/2014 11:11 AM

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29	E. 1st Street & E. 2nd Street - I drive these roads every day, to get to work.	3/19/2014 10:51 AM
30	All	3/19/2014 10:34 AM
31	flooded streets	3/19/2014 10:28 AM
32	Same as before. Please develop with the PERSON not the car, in mind. Research shows that this walkability is a huge boon to all, so please take heed and develop smart.	3/17/2014 3:38 PM
33	Safety from street being under water	3/17/2014 9:02 AM

### Q10 The City of Vancouver is aware of issues with localized flooding and storm water management. Are you or your business affected by these issues?

Answered: 48 Skipped: 4



Answer Choices	Responses
No	16.67% 8
Yes	83.33% 40
<b>Total Respondents: 48</b>	

#	If yes, how are you or your business affected?	Date
1	I wouldn't consider walking or biking E 1st St, and Y st., the damage to the roadway is so bad. The flooding makes navigating that area by foot or bike, messy and dangerous - hidden potholes, standing water and mud.	3/31/2014 4:01 PM
2	Dangerous conditions getting to my place of employment. There are no alternate routes. The two ways to "wind back" to Net-Rx are both a mess an pose risks.	3/31/2014 2:23 PM
3	when you feel like you need a boat rather than a car to get to and from work there is a problem! Yes these road get very flooded and I am concerned it is causing damage to my vehicle.	3/31/2014 12:17 PM
4	Flooded roads	3/31/2014 11:56 AM
5	Many times I have to drive through deep water with many hidden pot holes.	3/31/2014 11:55 AM
6	When it rains, I have to drive through a lake to get to the office, thus threatening my car.	3/31/2014 11:55 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/31/2014 11:49 AM
8	We and our customers and clients have to "forge rivers" to get to our offices.	3/28/2014 1:26 PM
9	Difficult to to get to work and out of work	3/27/2014 9:50 AM
10	Can't safely and easily get to my place of work	3/26/2014 2:47 PM
11	It floods terribly where we need to drive to get to parking	3/26/2014 8:36 AM
12	limits/prevents access to our sites	3/24/2014 4:04 PM
13	employee complaints	3/24/2014 2:19 PM

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14	x/y street flood extensively making travel hazardous in certain types of vehicles.	3/24/2014 1:51 PM
15	Wear and tear on my car - risk of stalling.	3/24/2014 12:26 PM
16	Large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/24/2014 11:58 AM
17	The flooding hides the pot holes, then I drive into the pot holes, and what do you know I have dented wheels, ground out car bottoms and water everywhere...fun. Also, it is not fun to have business associates come visit us with a kayak, paddle and hip waders.	3/24/2014 9:52 AM
18	severe flooding and low visibility	3/24/2014 9:48 AM
19	Monthly people get flats here and the mass flooding is bad on our cars.	3/24/2014 9:44 AM
20	The flooding makes driving dangerous in these areas as there are times when the water is several inches deep	3/24/2014 9:34 AM
21	Yes, like I said, I often feel like I have to take a boat to get to my car. I would also like to be able to walk safely on my breaks.	3/24/2014 9:23 AM
22	Risk of car stalling, damaged to car. Cant' see potholes when flooding occurs.	3/24/2014 9:18 AM
23	The flooding is so bad that it makes it hard to get back to my place of work - I have had my engine hydrolock in the past because of severe flooding and do not want that to occur again	3/24/2014 9:15 AM
24	Every time it rains there is a huge pool of water in the roadway leading to our office. Large pot holes are beneath the water, but cannot be seen. The water and pot holes cause wear and tear on cars.	3/24/2014 9:06 AM
25	Makes it difficult and dangerous to access our building. Water reaches very high levels and if you are in a smaller car, this proves to make it nearly impossible to navigate safely.	3/24/2014 8:18 AM
26	Deliveries and customer traffic have limited access.	3/19/2014 4:35 PM
27	customers cant get to us cause they think the road is closed when there is a foot of standing water.	3/19/2014 4:21 PM
28	The only route into my workplace is constantly flooded. The flooding is so severe it covers the entire street on X, 2nd and Y. I can't avoid it and it covers huge potholes which puts my vehicle at risk of damage.	3/19/2014 2:55 PM
29	See previous.	3/19/2014 11:33 AM
30	All area streets are completely flooded when it rains.	3/19/2014 11:11 AM
31	The roads in this area become extremely flooded, and there are several large, deep potholes. These obstacles are so numerous that there is absolutely no way to maneuver around them. As commuters, we are forced to subject our automobiles to this treacherous terrain, that only off-road vehicles should use. I always use caution when driving these roads, in the hopes that I do not, or have not, damaged my vehicle. I am also concerned that there have been, or will be, injury accidents, as drivers are forced to use only one side of the road(s) to avoid the flooding and potholes. We also use these roadways to take walks, on our breaks. Pedestrians are also in danger here.	3/19/2014 10:51 AM
32	Especially during the winter months when rain can be constant, the water contained on the road way can be dangerous.	3/19/2014 10:49 AM
33	Because of the cracks and gaps in paved areas, water accumulates and makes it impossible for a car to drive through.	3/19/2014 10:34 AM
34	flooded streets, not able to get car through to work on rainy days all of the time	3/19/2014 10:28 AM
35	As described in earlier answers: issues getting to and from work, damage to vehicles, difficulty in finding and retaining tenants to our building.	3/18/2014 5:30 PM
36	My business is Storm Water Maintenance	3/17/2014 9:02 AM



## Q11 Please list/describe the locations where improvements are needed.

Answered: 32 Skipped: 20

#	Responses	Date
1	E 1st St, and Y st., the damage to the roadway is so bad. The flooding makes navigating that area by foot or bike, messy and dangerous - hidden potholes, standing water and mud.	3/31/2014 4:01 PM
2	Road behind Fred Meyers and the subsequent roads for the businesses back to Net-Rx.	3/31/2014 2:23 PM
3	1st, Y, 2nd an X Streets	3/31/2014 12:17 PM
4	See answer to question 2 and 3.	3/31/2014 11:56 AM
5	Y Street -Needs drainage and road repair N V Street -Needs drainage and road repair E 1st Street - Needs drainage and road repair E 2nd Street -Needs drainage and road repair	3/31/2014 11:55 AM
6	Y street and N V Street	3/31/2014 11:55 AM
7	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets. Streets that don't flood.	3/31/2014 11:49 AM
8	E 1st Street, N V Street, N X Street, Y Street	3/28/2014 1:26 PM
9	1st, 2nd, and X	3/26/2014 2:47 PM
10	The area by Insta Fab & Vancouver Sheet Metal and Roofing is very bad	3/25/2014 8:04 AM
11	east first & Y	3/24/2014 4:04 PM
12	2nd and y streets	3/24/2014 2:19 PM
13	see 10	3/24/2014 1:51 PM
14	Y st, Y st and 1st st, and 2nd st and V st.	3/24/2014 12:26 PM
15	The majority of the street - 1st, Y, 2nd an X Streets.	3/24/2014 11:58 AM
16	2nd and Y have the most/worst pot holes and flooding, but V also has some where 2nd and 3rd meet, and so does the western most end of 1st	3/24/2014 9:52 AM
17	1st, Y, 2nd an X Streets	3/24/2014 9:48 AM
18	1st, Y, 2nd an X Streets.	3/24/2014 9:44 AM
19	1st, Y, 2nd an X Streets	3/24/2014 9:34 AM
20	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:18 AM
21	1st, Y, 2nd an X Streets	3/24/2014 9:15 AM
22	The road way on 2nd st.	3/24/2014 9:06 AM
23	1st, Y, 2nd and X streets	3/24/2014 8:18 AM
24	The problem areas are on X, Y, 1st, and 2nd Streets.	3/19/2014 4:35 PM
25	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd an Y Streets	3/19/2014 4:21 PM
26	West on 1st off Grand, X, Y and 2nd	3/19/2014 2:55 PM
27	See previous.	3/19/2014 11:33 AM
28	Y St, 1st and 2nd.	3/19/2014 11:11 AM
29	E. 1st Street, E. 2nd Street and E. 3rd Loop	3/19/2014 10:51 AM
30	2300 E 3rd Loop, Vancouver, WA 98661	3/19/2014 10:34 AM

# City of Vancouver: Lower Grand Employment Area Subarea Action Plan

31	E 1st and Y street E 2nd and V street	3/19/2014 10:28 AM
32	See #5	3/17/2014 9:02 AM

## Q12 Among the flooding issues you've identified, which one or two are most important to you and why?

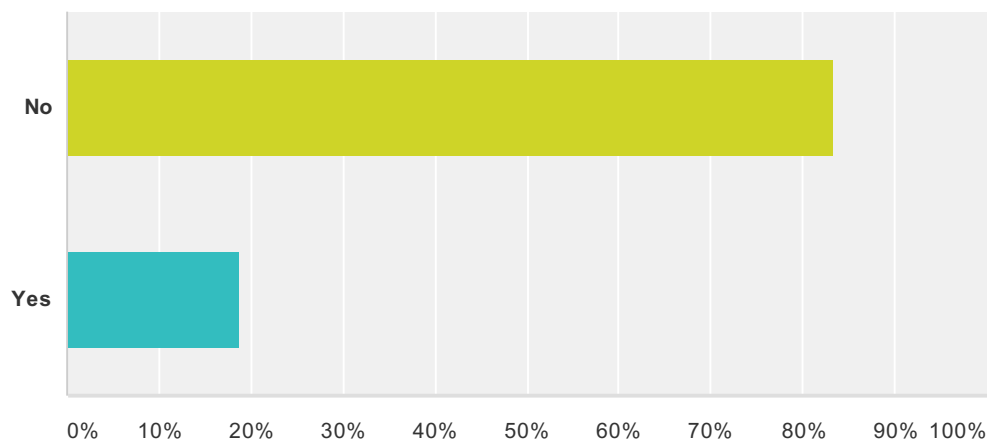
Answered: 31 Skipped: 21

#	Responses	Date
1	I wouldn't consider walking or biking E 1st St, and Y st., the damage to the roadway is so bad. The flooding makes navigating that area by foot or bike, messy and dangerous - hidden potholes, standing water and mud.	3/31/2014 4:01 PM
2	Potholes, Flooding. Tired of flat's, driving on wrong side of street and water spraying up over car to/from work; hiding potholes. Very dangerous.	3/31/2014 2:23 PM
3	Y, 2nd, I drive them daily.	3/31/2014 12:17 PM
4	Y and E 2nd streets. They are in the worst condition and have the worst drainage.	3/31/2014 11:55 AM
5	Y street and N V Street	3/31/2014 11:55 AM
6	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd an X Streets.	3/31/2014 11:49 AM
7	E 1st Street, N V Street, N X Street, Y Street	3/28/2014 1:26 PM
8	All	3/26/2014 2:47 PM
9	The area by Insta Fab & Vancouver Sheet Metal and Roofing is very bad	3/25/2014 8:04 AM
10	access and damage to cars	3/24/2014 4:04 PM
11	deep water and hidden potholes	3/24/2014 2:19 PM
12	see 4	3/24/2014 1:51 PM
13	Y st and 1st st, and 2nd st and V st. - they are used the most	3/24/2014 12:26 PM
14	All the street effected are important to me - 1st, Y, 2nd an X Streets. I drive or walk on all of them.	3/24/2014 11:58 AM
15	flooding and pot holes on 2nd and Y	3/24/2014 9:52 AM
16	ALL	3/24/2014 9:48 AM
17	I just want to drive into work without breaking my car.	3/24/2014 9:44 AM
18	Y 2nd and X are one big lake when it rains hard.	3/24/2014 9:34 AM
19	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:18 AM
20	1st, Y, 2nd an X Streets	3/24/2014 9:15 AM
21	The flooding on 2nd st. Almost the entire street floods when it rains.	3/24/2014 9:06 AM
22	1st and X	3/24/2014 8:18 AM
23	All of the above	3/19/2014 4:35 PM
24	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd an Y Streets	3/19/2014 4:21 PM
25	All as this is my only route to work. There is no alternative.	3/19/2014 2:55 PM
26	As I said Y and 2nd Streets.	3/19/2014 11:33 AM
27	Again, pot holes and flooding.	3/19/2014 11:11 AM
28	E. 1st Street, E. 2nd Street - I drive these roads every day, to get to work.	3/19/2014 10:51 AM
29	All	3/19/2014 10:34 AM
30	E 1st and Y street E 2nd and V street only way into work	3/19/2014 10:28 AM



**Q13 The City of Vancouver has received a separate EPA Community-Wide grant to complete environmental assessments for a limited number of potentially contaminated properties. Property within the LGEA may be eligible for assessment under this grant. Are you aware of any potential environmental hazards within the LGEA?**

Answered: 48 Skipped: 4



Answer Choices	Responses
No	83.33% 40
Yes	18.75% 9
<b>Total Respondents: 48</b>	

#	If so, what do you know about the potential hazard (e.g., location, previous uses, extent)?	Date
1	I am not aware of specific environmental issues other than those that might be caused by the lack of storm drainage.	3/31/2014 11:56 AM
2	Possible with the lumber mill. I wouldn't say yes or no but there is definitely some things in their yard that seem (possibly) questionable. (old, exposed storage, etc.	3/31/2014 11:51 AM
3	I understand there used to be a chrome plating business that dumped toxic wastes underground in the LGEA.	3/28/2014 12:23 AM
4	storm water	3/24/2014 4:04 PM
5	n/a	3/24/2014 9:53 AM
6	Theres DEEP POT HOLES you can't see in the flooding. The standing water also is so deep your car stalls in the water.	3/24/2014 9:47 AM
7	Only because of flooding.	3/24/2014 9:22 AM
8	By observations only, machinery, treated wood and debris is readily found laying on the bare ground. Throughout the middle portions between 1st & 2nd st's.	3/19/2014 10:51 AM
9	I hope not but I wouldn't be surprised since my employment is located around warehouses.	3/19/2014 10:36 AM
10	109 & 113 Y &	3/17/2014 9:04 AM



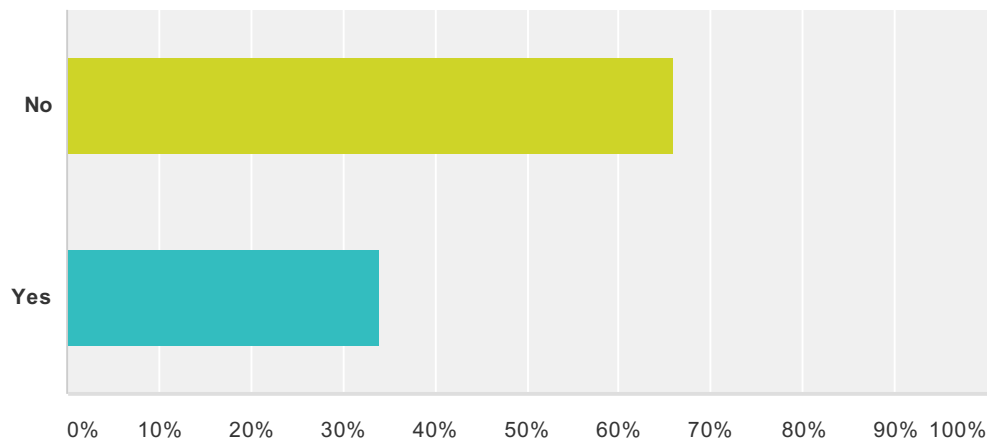
**Q14 If you are the owner of property that may be contaminated, you may be eligible for technical and financial assistance under the separate EPA Community-Wide grant received by the City. Are you interested in talking with a project representative about available assistance?**

Answered: 13 Skipped: 39

#	Responses	Date
1	No	3/31/2014 11:56 AM
2	N/A	3/26/2014 2:48 PM
3	no	3/24/2014 4:04 PM
4	n/a	3/24/2014 12:27 PM
5	No	3/24/2014 11:59 AM
6	I am not a property owner	3/24/2014 9:53 AM
7	no	3/24/2014 9:48 AM
8	I'm not sure what I would be able to do to put gravel on a road.	3/24/2014 9:47 AM
9	Seek the building owner	3/24/2014 9:23 AM
10	No	3/24/2014 9:07 AM
11	No	3/19/2014 4:36 PM
12	Not an owner	3/19/2014 10:56 AM
13	I am not an owner of the property.	3/19/2014 10:36 AM

### Q15 Are there any other public infrastructure issues you think the City should be aware of in the LGEA?

Answered: 47 Skipped: 5



Answer Choices	Responses
No	65.96% 31
Yes	34.04% 16
<b>Total Respondents: 47</b>	

#	If yes, please describe the issues.	Date
1	Stop signs and obstructed intersections	3/31/2014 11:01 PM
2	Not other than I have already identified.	3/31/2014 11:56 AM
3	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/31/2014 11:51 AM
4	Storm water collection, routing and drainage, Sidewalks. Improved sight distance at intersections	3/28/2014 1:28 PM
5	None	3/24/2014 6:16 PM
6	adequate lighting, curbs, sidewalks	3/24/2014 4:05 PM
7	walk paths along the streets	3/24/2014 2:21 PM
8	Poor or low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 12:00 PM
9	n/a	3/24/2014 9:53 AM
10	1st, Y, 2nd and X Streets are super old gravel roads that need to be filled in.	3/24/2014 9:49 AM
11	1st street and 2nd street because of visibility, pot holes and flooding.	3/24/2014 9:27 AM
12	Large Potholes Poor paving Severe flooding when it rains Low visibility	3/24/2014 9:17 AM
13	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:22 PM
14	West of Grand on 1st, X, 2nd and Y there is very limited visibility on several of these narrow corners.	3/19/2014 3:02 PM
15	I believe the city needs to be made aware of the entire LGEA.	3/19/2014 11:02 AM
16	If you open a business establishment within a warehouse area, employees need a way to get to work safely. This is not the case at the moment.	3/19/2014 10:38 AM



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17	5th street is long and straight, but only has a posted speed of 25MPH. Most traffic seems to be moving along at 40+, which is pretty dangerous given how narrow the street is and that there are a few driveways on it.	3/18/2014 4:15 PM
----	---	-------------------

## Q16 Among all of the issues you've identified, which three are the most important to you and why?

Answered: 47 Skipped: 5

#	Responses	Date
1	Road conditions	3/31/2014 11:01 PM
2	I wouldn't consider walking or biking E 1st St, and Y st., the damage to the roadway is so bad. The flooding makes navigating that area by foot or bike, messy and dangerous - hidden potholes, standing water and mud.	3/31/2014 4:02 PM
3	The roads behind Fred Meyer's that effect my ability to get to and from my employment at Net-Rx. Potholes, Flooding and blind spots.	3/31/2014 2:25 PM
4	Repeat question	3/31/2014 12:25 PM
5	Not that I know of.	3/31/2014 12:19 PM
6	N/A	3/31/2014 11:56 AM
7	The road conditions.	3/31/2014 11:56 AM
8	See answer to question 2 and 3	3/31/2014 11:56 AM
9	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/31/2014 11:51 AM
10	Storm water collection, routing and drainage,	3/28/2014 1:28 PM
11	under ground disposal of waste materials.	3/28/2014 12:24 AM
12	Drainage & Road surface repair/replacement	3/27/2014 5:24 PM
13	the flooding and potholes. what contamination is there?	3/27/2014 9:51 AM
14	n/a	3/26/2014 2:48 PM
15	flooding	3/26/2014 8:37 AM
16	The area by Insta Fab & Vancouver Sheet Metal and Roofing the pot holes and water are causing damage to my car.	3/25/2014 8:05 AM
17	Columbia House Boulevard, pedestrian access	3/24/2014 6:16 PM
18	above	3/24/2014 4:05 PM
19	flooding and potholes	3/24/2014 2:21 PM
20	see 4	3/24/2014 1:57 PM
21	fix the roads on E 1st Street, Y street, 2nd Street and V street.	3/24/2014 12:27 PM
22	Poor or low visibility coming around comers on 1st, Y, 2nd an X Streets.	3/24/2014 12:00 PM
23	n/a	3/24/2014 9:53 AM
24	1st, Y, 2nd an X Streets need to be fixed.	3/24/2014 9:49 AM
25	n/a	3/24/2014 9:49 AM
26	The flooding on y, X, and 2nd Street as it makes driving dangerous on those roads	3/24/2014 9:35 AM
27	Visibility around comers potholes Flooding.	3/24/2014 9:27 AM
28	1-Safety and visibility 2-Pot holes need to be fixed with durable 3-Flooding is bad and my car is taking damage	3/24/2014 9:25 AM

## City of Vancouver: Lower Grand Employment Area Subarea Action Plan

29	Potholes/Flooding - makes it difficult to get to my job	3/24/2014 9:17 AM
30	Flooding, pot holes, visibility	3/24/2014 9:08 AM
31	Potholes, flooding, low visibility coming around the corner of 1st, Y, 2nd and X streets	3/24/2014 8:19 AM
32	Left turn from Grand to Fifth. There needs to be a crosswalk.	3/22/2014 8:34 PM
33	NA	3/21/2014 5:38 AM
34	Flooding and Potholes. These roads need to be replaced.	3/19/2014 4:37 PM
35	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:22 PM
36	Potholes, Flooding and narrow unmarked corners from Grand west on 1st, X, 2nd and Y Streets. This is the only route to work for quite a few people and visitors to these businesses.	3/19/2014 3:02 PM
37	Drainage and pavement on Y and 2nd Streets.	3/19/2014 11:35 AM
38	Pot holes and flooding!!	3/19/2014 11:12 AM
39	Extreme Flooding - Causes treacherous, dangerous and unsafe roads - For driving & walking/jogging. Numerous large/deep potholes - Causes treacherous, dangerous and unsafe roads - For driving & walking/jogging.	3/19/2014 11:02 AM
40	Road surface improvement Drainage/management Additional access points, possibly from 5th st to the North	3/19/2014 10:53 AM
41	the road conditions on 2nd street	3/19/2014 10:43 AM
42	All	3/19/2014 10:38 AM
43	E 1st and Y street E 2nd and V street Flooding of these streets	3/19/2014 10:29 AM
44	Flooding abatement, road conditions,	3/18/2014 5:31 PM
45	speed issue on 5th St	3/18/2014 4:15 PM
46	Developing with transportation choices, scaled to humans.	3/17/2014 3:41 PM
47	See #5	3/17/2014 9:04 AM

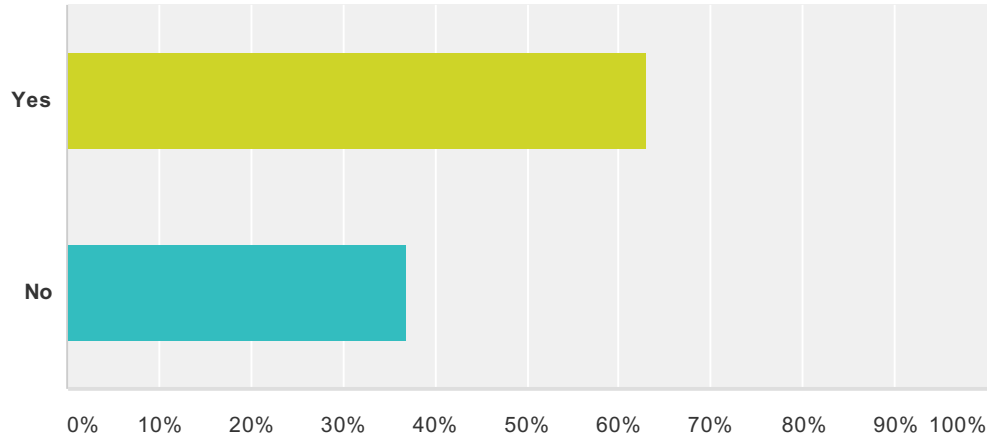
## Q17 Is there anything else you would like the City to take into consideration when identifying and prioritizing infrastructure improvements in this area?

Answered: 24 Skipped: 28

#	Responses	Date
1	Safety	3/31/2014 11:01 PM
2	Risk of accident is high, not to mention wear and tear on vehicles.	3/31/2014 2:25 PM
3	No.	3/31/2014 11:56 AM
4	This is a daily threat to me. One should not have to worry about the road causing car damage.	3/31/2014 11:56 AM
5	The roads are very uneven and destroyed due to (I'm assuming) all the 'Big Rig' trucks (lumber, etc.) that come through and weather. There are also large potholes, severe flooding and low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/31/2014 11:51 AM
6	n/a	3/26/2014 2:48 PM
7	think you've covered it. no new industrial development in the area until road and water are dealt with	3/24/2014 4:05 PM
8	remove sight line and blind corner issues	3/24/2014 2:21 PM
9	no	3/24/2014 12:27 PM
10	Poor or low visibility coming around corners on 1st, Y, 2nd and X Streets.	3/24/2014 12:00 PM
11	n/a	3/24/2014 9:53 AM
12	Pay for all damage done to cars on these roads.	3/24/2014 9:49 AM
13	n/a	3/24/2014 9:49 AM
14	Just please make the area safe by travel and foot, less damage on my car.	3/24/2014 9:25 AM
15	no	3/24/2014 9:08 AM
16	Potholes, flooding, low visibility coming around the corner of 1st, Y, 2nd and X streets	3/24/2014 8:19 AM
17	More parking is needed at Fred Meyers	3/21/2014 5:38 AM
18	Safety concerns related to these issues may cause liability for the City.	3/19/2014 4:37 PM
19	large potholes, severe flooding and low visibility coming around corners on 1st, X, 2nd and Y Streets	3/19/2014 4:22 PM
20	That is all. Thank you for providing this survey!	3/19/2014 11:02 AM
21	It would be nice if this area was a priority for the City to improve roads.	3/19/2014 10:38 AM
22	If the vacant land is developed, I think that 5th street will need to be widened to support the extra traffic.	3/18/2014 4:15 PM
23	The directive of people, not vehicles. Let's do this right, and make it a destination, inclusive, beautiful, something that will be a legacy and that we can be proud of. Thank you	3/17/2014 3:41 PM
24	See #5	3/17/2014 9:04 AM

**Q18 The City would like to create a two-way dialogue about needed improvements in the LGEA to guide the development of an action plan that respects existing property and business owners' goals. Would you like to continue to receive information about this project and opportunities for participation?**

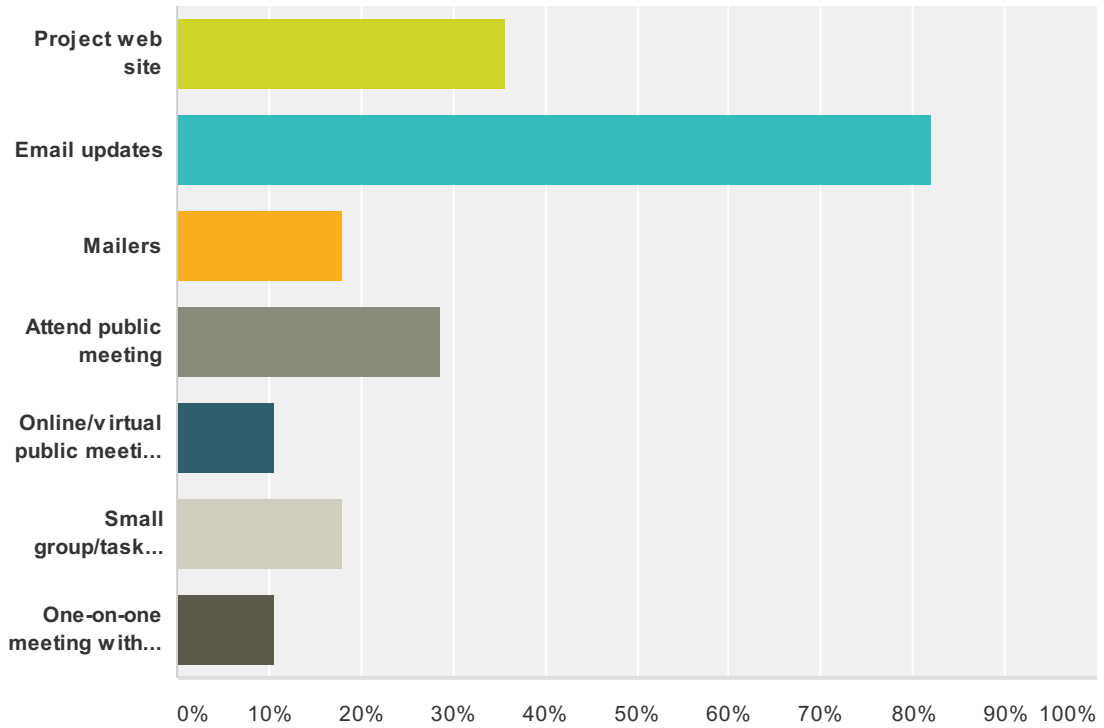
Answered: 46 Skipped: 6



Answer Choices	Responses	
Yes	63.04%	29
No	36.96%	17
<b>Total</b>		<b>46</b>

### Q19 If yes, please indicate the ways you prefer to receive information and participate (select all that apply).[Q18]

Answered: 28 Skipped: 24



Answer Choices	Responses
Project web site	35.71% 10
Email updates	82.14% 23
Mailers	17.86% 5
Attend public meeting	28.57% 8
Online/virtual public meeting with comment form	10.71% 3
Small group/task force meetings	17.86% 5
One-on-one meeting with City representative	10.71% 3
<b>Total Respondents: 28</b>	

#	Other (please specify)	Date
1	n/a	3/24/2014 9:54 AM

**Q20 Please provide your contact information so we can stay in touch:**

Answered: 46 Skipped: 6

Answer Choices	Responses
Name:	100.00% 46
Title	80.43% 37
Affiliation/Company:	80.43% 37
Business address:	82.61% 38
Mailing address, if different:	19.57% 9
E-mail:	86.96% 40
Phone:	73.91% 34

#	Name:	Date
1	Chad Hammerstrom	3/31/2014 11:03 PM
2	RobN	3/31/2014 4:03 PM
3	Sherry Van Gorden	3/31/2014 2:26 PM
4	Michelle Damrill	3/31/2014 12:26 PM
5	net-rx	3/31/2014 12:25 PM
6	Brian Cole	3/31/2014 11:57 AM
7	Jennifer Gordon	3/31/2014 11:57 AM
8	Vicki Nahorn	3/31/2014 11:57 AM
9	Brian Raetz	3/31/2014 11:55 AM
10	R. Tom Smith	3/28/2014 1:29 PM
11	Patrick Cullumber	3/28/2014 12:26 AM
12	Marce Smith	3/27/2014 5:26 PM
13	Jean H.	3/27/2014 9:51 AM
14	Rene' Bloemke	3/26/2014 3:23 PM
15	Tina Gollyom	3/25/2014 8:06 AM
16	Wade McLaren	3/24/2014 6:17 PM
17	Mark Fleischauer	3/24/2014 4:06 PM
18	Ron Edwards	3/24/2014 2:22 PM
19	danielle ross	3/24/2014 1:58 PM
20	Dawn Talley	3/24/2014 12:28 PM
21	Janna Thomason	3/24/2014 12:01 PM
22	Misty Royse	3/24/2014 9:54 AM
23	Andrea Headley	3/24/2014 9:50 AM
24	Ally	3/24/2014 9:50 AM

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25	Justin Charlton	3/24/2014 9:36 AM
26	mark fries	3/24/2014 9:29 AM
27	FeliciaN	3/24/2014 9:27 AM
28	Nancy Castaneda	3/24/2014 9:18 AM
29	Glenda Kennedy	3/24/2014 9:11 AM
30	Megan Burton	3/24/2014 8:20 AM
31	Kane	3/22/2014 8:35 PM
32	Anonymous	3/21/2014 5:39 AM
33	Martin McDermott	3/19/2014 4:38 PM
34	audra	3/19/2014 4:24 PM
35	Brenda Langston	3/19/2014 3:04 PM
36	Margi Lane	3/19/2014 11:38 AM
37	Lola Hill	3/19/2014 11:12 AM
38	Wanda L.	3/19/2014 11:04 AM
39	Michelle Churchick	3/19/2014 10:54 AM
40	Jeremy Gholston	3/19/2014 10:44 AM
41	Anonymous	3/19/2014 10:39 AM
42	Filina B	3/19/2014 10:29 AM
43	Douglas Cable	3/18/2014 5:33 PM
44	Jeremy Bruggeman	3/18/2014 4:17 PM
45	Derya Ruggles	3/17/2014 3:43 PM
46	Chris Marler	3/17/2014 9:06 AM
<b>#</b>	<b>Title</b>	<b>Date</b>
1	Vice President	3/31/2014 11:03 PM
2	Analyst	3/31/2014 2:26 PM
3	Senior Analyst, CPhT	3/31/2014 12:26 PM
4	Director, Development and Data Services	3/31/2014 11:57 AM
5	Account Analyst	3/31/2014 11:57 AM
6	Operations Manager	3/31/2014 11:57 AM
7	Pharmacy Business Analyst	3/31/2014 11:55 AM
8	Designated Broker	3/28/2014 1:29 PM
9	Property Manager	3/27/2014 5:26 PM
10	na	3/27/2014 9:51 AM
11	Director of Pharmacy Services	3/26/2014 3:23 PM
12	Account Analyst	3/25/2014 8:06 AM
13	President	3/24/2014 6:17 PM
14	Senior Vice President	3/24/2014 4:06 PM
15	President	3/24/2014 2:22 PM
16	reconciliation analyst	3/24/2014 1:58 PM
17	Account Analyst	3/24/2014 9:54 AM



## City of Vancouver: Lower Grand Employment Area Subarea Action Plan

18	Account Analyst	3/24/2014 9:50 AM
19	RecRx	3/24/2014 9:50 AM
20	Service Desk Administrator	3/24/2014 9:36 AM
21	employee	3/24/2014 9:29 AM
22	Reconciliation Analyst	3/24/2014 9:18 AM
23	Account Analyst	3/24/2014 9:11 AM
24	Director of Operations	3/24/2014 8:20 AM
25	NA	3/21/2014 5:39 AM
26	Principal	3/19/2014 4:38 PM
27	admin	3/19/2014 4:24 PM
28	Controller	3/19/2014 3:04 PM
29	Bookkeeper	3/19/2014 11:38 AM
30	Senior Analyst	3/19/2014 11:04 AM
31	Senior Analyst	3/19/2014 10:54 AM
32	Systems Analyst	3/19/2014 10:44 AM
33	works in the LGEA area	3/19/2014 10:29 AM
34	President	3/18/2014 5:33 PM
35	Sr. Finance Manager	3/18/2014 4:17 PM
36	Community member, neighbor	3/17/2014 3:43 PM
37	Public Works Supervisor / Storm Water	3/17/2014 9:06 AM
<b>#</b>	<b>Affiliation/Company:</b>	<b>Date</b>
1	MHA	3/31/2014 11:03 PM
2	Net-Rx	3/31/2014 2:26 PM
3	Net-Rx	3/31/2014 12:26 PM
4	Managed Healthcare Associates	3/31/2014 11:57 AM
5	Net-RX	3/31/2014 11:57 AM
6	Net-Rx	3/31/2014 11:57 AM
7	MHA / Net-Rx	3/31/2014 11:55 AM
8	Columbia Pacific Commercial Properties, LLC	3/28/2014 1:29 PM
9	private citizen	3/28/2014 12:26 AM
10	Columbia Pacific Leasing	3/27/2014 5:26 PM
11	Net-Rx	3/27/2014 9:51 AM
12	MHA dba: Net-Rx	3/26/2014 3:23 PM
13	Net-Rx	3/25/2014 8:06 AM
14	Blue Bird Transfer, Inc.	3/24/2014 6:17 PM
15	JH Kelly LLC	3/24/2014 4:06 PM
16	Western Design Group	3/24/2014 2:22 PM
17	Net-Rx	3/24/2014 1:58 PM
18	MHA	3/24/2014 12:01 PM
19	Net-Rx / MHA	3/24/2014 9:54 AM

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20	Net-RX	3/24/2014 9:50 AM
21	Net-Rx	3/24/2014 9:50 AM
22	NetRx	3/24/2014 9:36 AM
23	Net-Rx (MHA)	3/24/2014 9:29 AM
24	Net-Rx	3/24/2014 9:18 AM
25	MHA	3/24/2014 9:11 AM
26	Managed Health Care (MHA) / Net-Rx	3/24/2014 8:20 AM
27	NA	3/21/2014 5:39 AM
28	Western Construction	3/19/2014 4:38 PM
29	admin	3/19/2014 4:24 PM
30	Western Construction Services, Inc.	3/19/2014 3:04 PM
31	Vancouver Roofing and Sheet Metal	3/19/2014 11:38 AM
32	Managed Healthcare Associates/Net-Rx	3/19/2014 11:04 AM
33	Net-RX	3/19/2014 10:54 AM
34	MHA/Net-Rx	3/19/2014 10:44 AM
35	Pro-Plus Intemational and CFLP	3/18/2014 5:33 PM
36	EarthLink, Inc	3/18/2014 4:17 PM
37	City of Vancouver	3/17/2014 9:06 AM
<b>#</b>	<b>Business address:</b>	<b>Date</b>
1	2300 E 3rd Loop, Vancouver, WA	3/31/2014 4:03 PM
2	2300 E 3rd Loop, Suite 200, Vancouver, WA 98661	3/31/2014 2:26 PM
3	2300 E 3rd Loop	3/31/2014 12:26 PM
4	2300 E 3rd Loop	3/31/2014 11:57 AM
5	2300 E 3rd Loop STE200 Vancouver WA 98661	3/31/2014 11:57 AM
6	2300 E 3rd Loop Suite 200	3/31/2014 11:57 AM
7	2300 E 3rd Loop Suite 200	3/31/2014 11:55 AM
8	2300 East Third Loop Suite #100 Vancouver, WA 98661	3/28/2014 1:29 PM
9	2300 E 3rd Loop, Ste100	3/27/2014 5:26 PM
10	2300 e 3rd loop	3/27/2014 9:51 AM
11	2300 E 3rd Loop Ste: 200	3/26/2014 3:23 PM
12	2300 E 3rd Loop Suite #200	3/25/2014 8:06 AM
13	2500 East 5 Street	3/24/2014 6:17 PM
14	2311 East First Street	3/24/2014 4:06 PM
15	2300 E. 3rd Loop #110	3/24/2014 2:22 PM
16	2300 e 3rd Loop Suite 200 vancouver wa 98661	3/24/2014 1:58 PM
17	2300 E 3rd Loop Suite 200 Vancouver WA 98661	3/24/2014 12:01 PM
18	2300 E 3rd Loop, Suite 200, Vancouver, WA 98664	3/24/2014 9:54 AM
19	MHA	3/24/2014 9:50 AM
20	2300 E 3rd Loop ste 200	3/24/2014 9:50 AM
21	2300 E 3rd Loop Suite 200	3/24/2014 9:36 AM

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22	2300 E 3rd Loop Suite 200	3/24/2014 9:29 AM
23	2300 E 3rd Loop, Suite 200 Vancouver, WA 98661	3/24/2014 9:18 AM
24	2300 E 3rd Loop	3/24/2014 9:11 AM
25	2300 E 3rd Loop Ste 200, Vancouver WA 98661	3/24/2014 8:20 AM
26	NA	3/21/2014 5:39 AM
27	2300 E 3rd Loop 98661	3/19/2014 4:38 PM
28	2300 E 3rd Loop, suite 110	3/19/2014 4:24 PM
29	2300 E 3rd Loop, Suite 110, Vancouver, WA 98661	3/19/2014 3:04 PM
30	217 X Street, Vancouver Wa 98661	3/19/2014 11:38 AM
31	2300 E. 3rd Loop Suite 200, Vancouver, WA. 98661	3/19/2014 11:04 AM
32	2300 E 3rd Loop	3/19/2014 10:54 AM
33	2300 E 3rd Loop	3/19/2014 10:44 AM
34	2300 E 3rd Loop, Vancouver, WA 98661	3/19/2014 10:39 AM
35	2300 E 3rd Loop	3/19/2014 10:29 AM
36	116 Y Street, 98661	3/18/2014 5:33 PM
37	3000 Columbia house Blvd Ste 106 Vancouver, WA 98661	3/18/2014 4:17 PM
38	4711 E 4th Plain blvd, Vancouver, WA 98668	3/17/2014 9:06 AM
<b>#</b>	<b>Mailing address, if different:</b>	<b>Date</b>
1	Suite 200	3/31/2014 12:26 PM
2	Vancouver, Wa. 98661	3/31/2014 11:55 AM
3	1804 Davis Ave., Vanc, 98661	3/28/2014 12:26 AM
4	vancouver, WA 98661	3/24/2014 4:06 PM
5	NA	3/21/2014 5:39 AM
6	PO Box 8951, Vancouver Wa 98668	3/19/2014 11:38 AM
7	P.O. Box 61746, 98666	3/18/2014 5:33 PM
8	4121 E 16th Street	3/17/2014 3:43 PM
9	Same	3/17/2014 9:06 AM
<b>#</b>	<b>E-mail:</b>	<b>Date</b>
1	Chad.hammerstrom@net-ex.com	3/31/2014 11:03 PM
2	rob.new@Net-Rx.com	3/31/2014 4:03 PM
3	sherry.vangorden@net-rx.com	3/31/2014 2:26 PM
4	mdamril@gmail.com	3/31/2014 12:26 PM
5	brian.cole@net-rx.com	3/31/2014 11:57 AM
6	Jennifer.Gordon@net-rx.com	3/31/2014 11:57 AM
7	Brian.Raetz@net-rx.com	3/31/2014 11:55 AM
8	tom@columbiapacific.net	3/28/2014 1:29 PM
9	patrick@e-z.net	3/28/2014 12:26 AM
10	marce@kirklandgloballc.com	3/27/2014 5:26 PM
11	na	3/27/2014 9:51 AM
12	rene.bloemke@net-rx.com	3/26/2014 3:23 PM

## City of Vancouver: Lower Grand Employment Area Subarea Action Plan

13	tina.gollyhom@net-rx.com	3/25/2014 8:06 AM
14	wmclaren@bluebirdtransfer.com	3/24/2014 6:17 PM
15	mfleisch@jhkelly.com	3/24/2014 4:06 PM
16	ron@westernconstruction.com	3/24/2014 2:22 PM
17	dawntalley@msn.com	3/24/2014 12:28 PM
18	janna.thomason@net-rx.com	3/24/2014 12:01 PM
19	misty.royse@net-rx.com	3/24/2014 9:54 AM
20	ally@gmail.com	3/24/2014 9:50 AM
21	jcharlton@mhainc.com	3/24/2014 9:36 AM
22	mark.fries@net-rx.com	3/24/2014 9:29 AM
23	felicia.happy@live.com	3/24/2014 9:27 AM
24	nancy.castaneda@net-rx.com	3/24/2014 9:18 AM
25	glenda.kennedy@net-rx.com	3/24/2014 9:11 AM
26	megan.burton@net-rx.com	3/24/2014 8:20 AM
27	Kanerjames@gmail.com	3/22/2014 8:35 PM
28	NA	3/21/2014 5:39 AM
29	mmcdermott@westernconstruction.com	3/19/2014 4:38 PM
30	audra@westernconstruction.com	3/19/2014 4:24 PM
31	brenda@westernconstruction.com	3/19/2014 3:04 PM
32	accounting@vrsm.com	3/19/2014 11:38 AM
33	lola.hill@net-rx.com	3/19/2014 11:12 AM
34	wanda.lund@net-rx.com	3/19/2014 11:04 AM
35	mchunchick@gmail.com	3/19/2014 10:54 AM
36	jeremy.gholston@net-rx.com	3/19/2014 10:44 AM
37	doug@proplusinternational.com	3/18/2014 5:33 PM
38	jbruggeman@corp.earthlink.com	3/18/2014 4:17 PM
39	derya.ruggles@gmail.com	3/17/2014 3:43 PM
40	chris.marler@cityofvancouver.us	3/17/2014 9:06 AM
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2	866-336-3879	3/31/2014 2:26 PM
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5	360-567-0469	3/31/2014 11:57 AM
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7	work:(360) 567-0469 cell:(503) 929-0302	3/31/2014 11:55 AM
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## City of Vancouver: Lower Grand Employment Area Subarea Action Plan

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