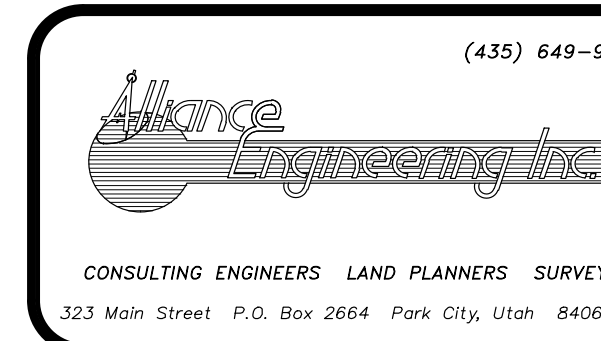
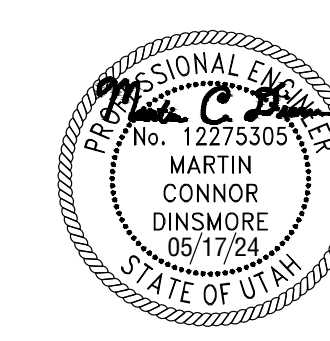
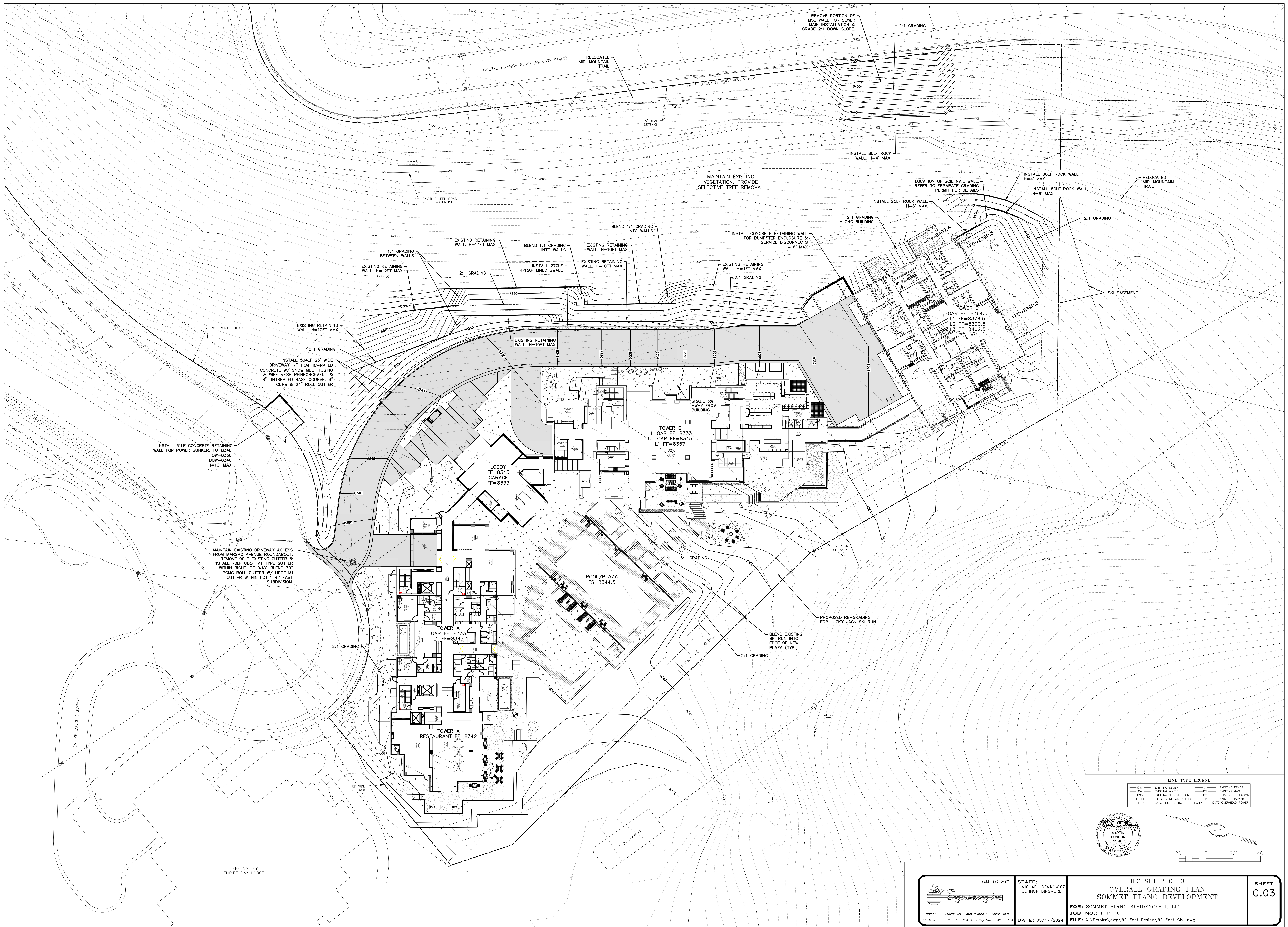




STAFF:
MICHAEL DEMKOWICZ
CONOR DINSMORE

IFC SET 2 OF 3
OVERALL SITE PLAN
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

SHEET
C.02



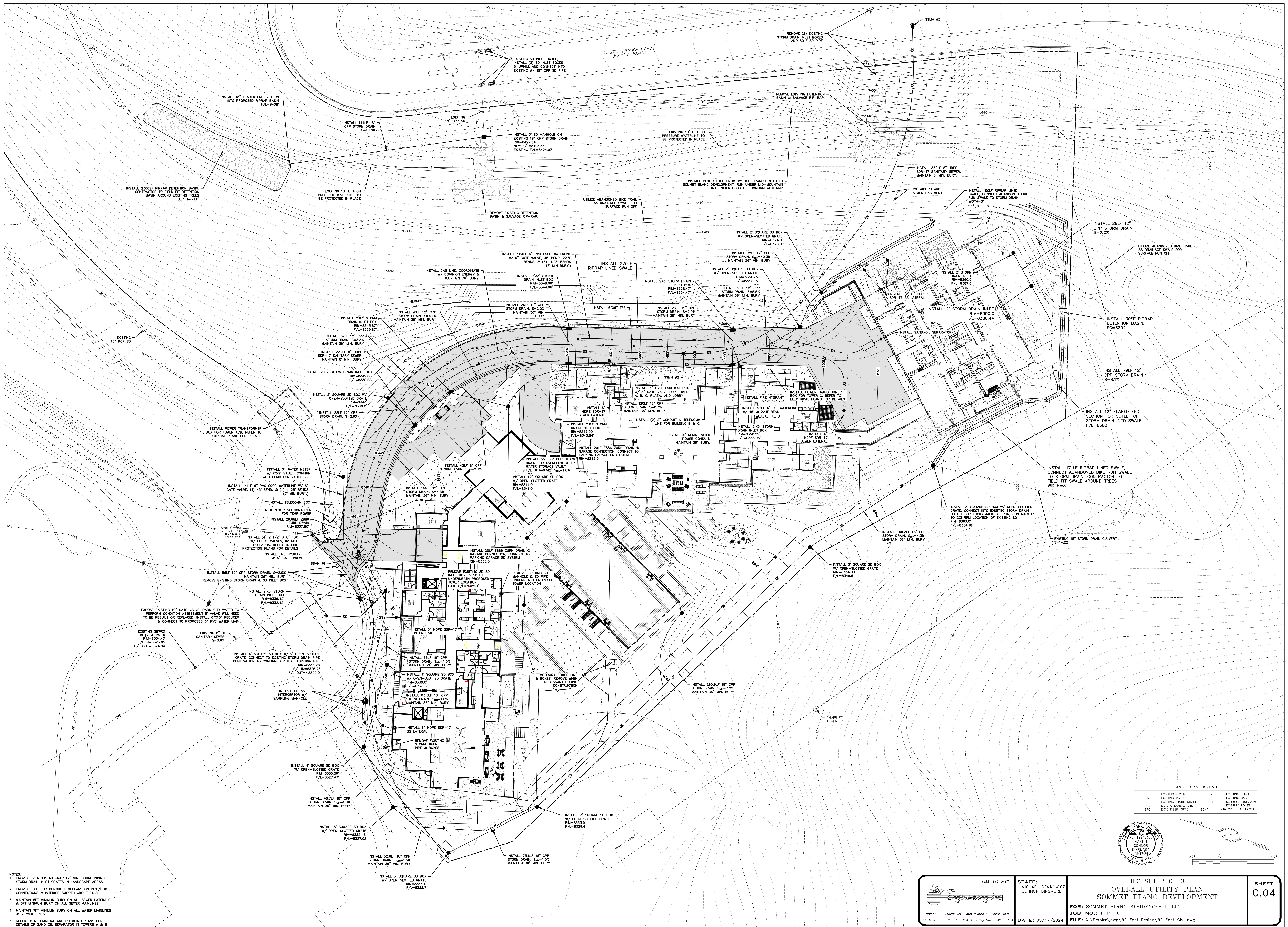
LINE TYPE LEGEND

ESG	EXISTING SEWER	EX	EXISTING FENCE
EW	EXISTING WATER	EG	EXISTING GAS
ESD	EXISTING DRAIN	ET	EXISTING TELECOMM
EOU	EXISTING OVERHEAD UTILITY	EP	EXISTING POWER
EYO	EXISTING OVERHEAD UTILITY	EQHP	EXISTING OVERHEAD POWER

PROFESSIONAL ENGINEER
MARTIN CONNOR DINSMORE
STATE OF UTAH
051724

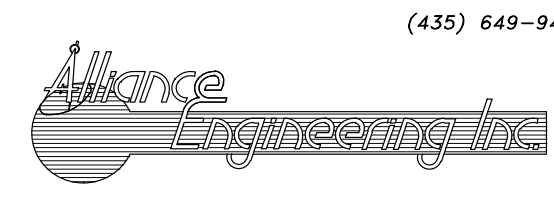
20' 0 20' 40'

 (435) 649-9467 CONSULTING ENGINEERS LAND PLANNERS SURVEYORS 323 Main Street, P.O. Box 2664 Park City, Utah 84060-2664	STAFF: MICHAEL DEMKOWICZ CONNOR DINSMORE	IFC SET 2 OF 3 OVERALL GRADING PLAN SOMMET BLANC DEVELOPMENT FOR: SOMMET BLANC RESIDENCES I, LLC JOB NO.: 1-11-18 DATE: 05/17/2024 FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg	SHEET C.03
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NOTES:

1. PROVIDE 6" MINUS RPP-RAP 12" MIN. SURROUNDING STORM DRAIN INLET GRATES IN LANDSCAPE AREAS.
2. PROVIDE EXTERIOR CONCRETE COLLARS ON PIPE/BOX CONNECTIONS & INTERIOR SMOOTH GROUT FINISH.
3. MAINTAIN 3FT MINIMUM BURY ON ALL SEWER LATERALS & 6FT MINIMUM BURY ON ALL SEWER MAINLINES.
4. MAINTAIN 3FT MINIMUM BURY ON ALL WATER MAINLINES & SERVICE LINES.
5. REFER TO MECHANICAL AND PLUMBING PLANS FOR DETAILS OF SAND OIL SEPARATOR IN TOWERS A & B.



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MICHAEL DEMKOWICZ

CONNOR DINSMORE

DATE: 05/17/2024

IFC SET 2 OF 3

OVERALL UTILITY PLAN

SOMMET BLANC DEVELOPMENT

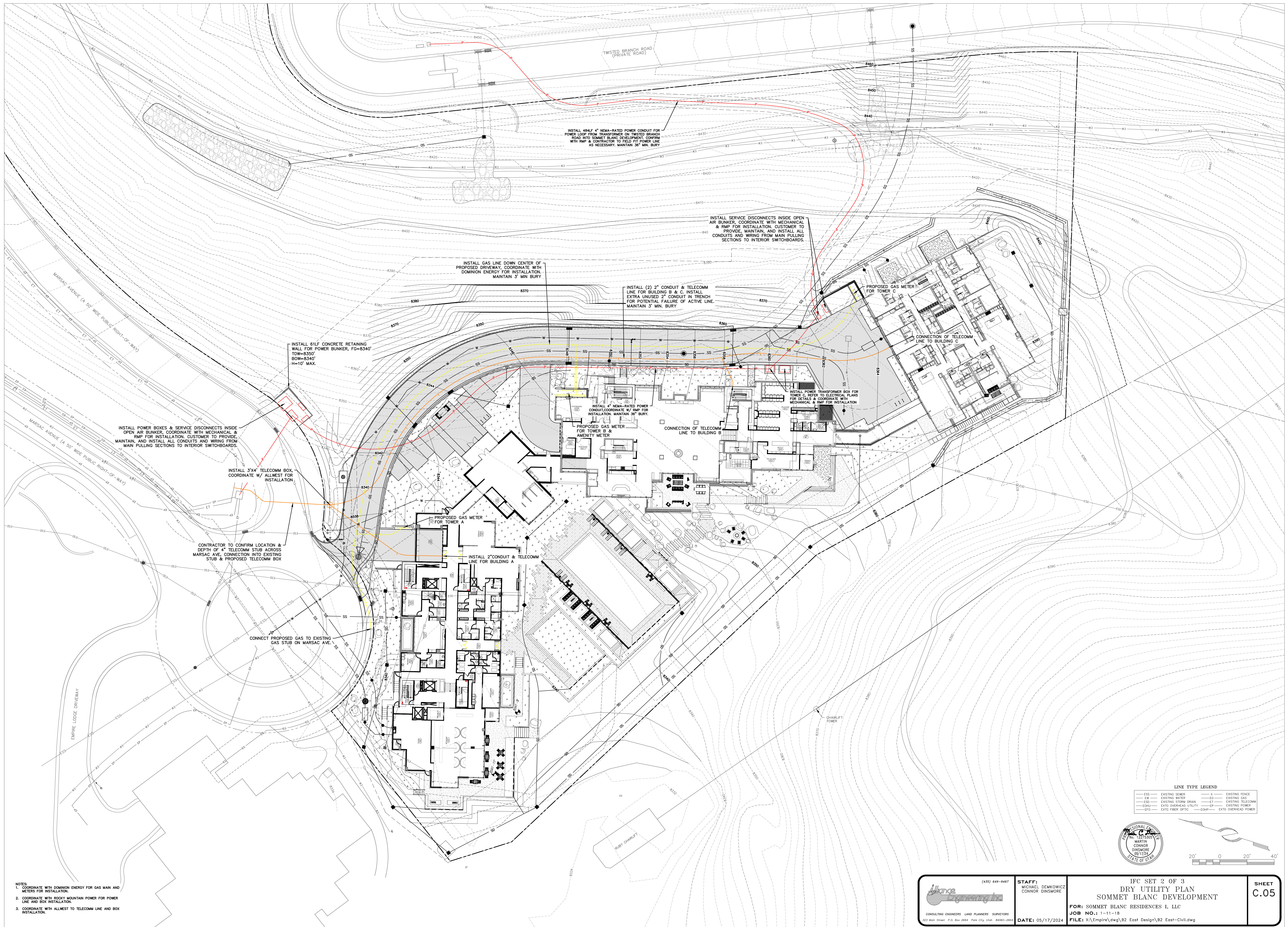
FOR: SOMMET BLANC RESIDENCES I, LLC

JOB NO.: 1-11-18

FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

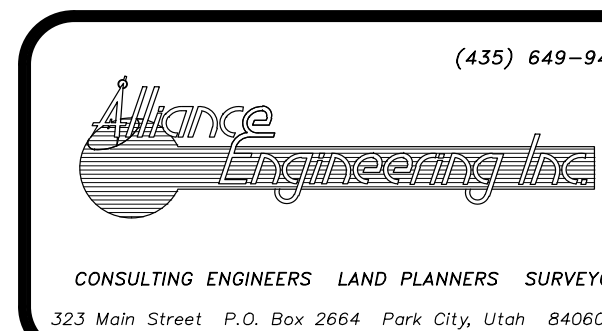
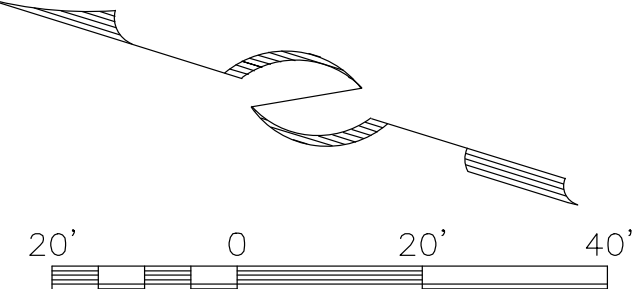
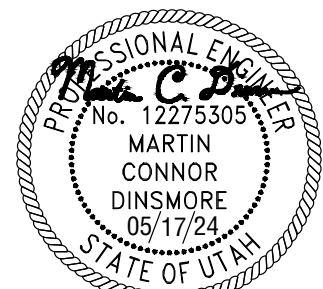
SHEET

C.04



- NOTES:
1. COORDINATE WITH DOMINION ENERGY FOR GAS MAIN AND METERS FOR INSTALLATION.
 2. COORDINATE WITH ROCKY MOUNTAIN POWER FOR POWER LINE AND BOX INSTALLATION.
 3. COORDINATE WITH ALLWEST TO TELECOMM LINE AND BOX INSTALLATION.

LINE TYPE LEGEND			
ESS	EXISTING SEWER	EF	EXISTING FENCE
EW	EXISTING WATER	EG	EXISTING GAS
ESD	EXISTING STORM DRAIN	ET	EXISTING TELECOMM
OW	EXIST. OVERHEAD UTILITY	OP	EXISTING POWER
ETO	EXTG. FIBER OPTIC	COMP	EXTG. OVERHEAD POWER



STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

DATE: 05/17/2024

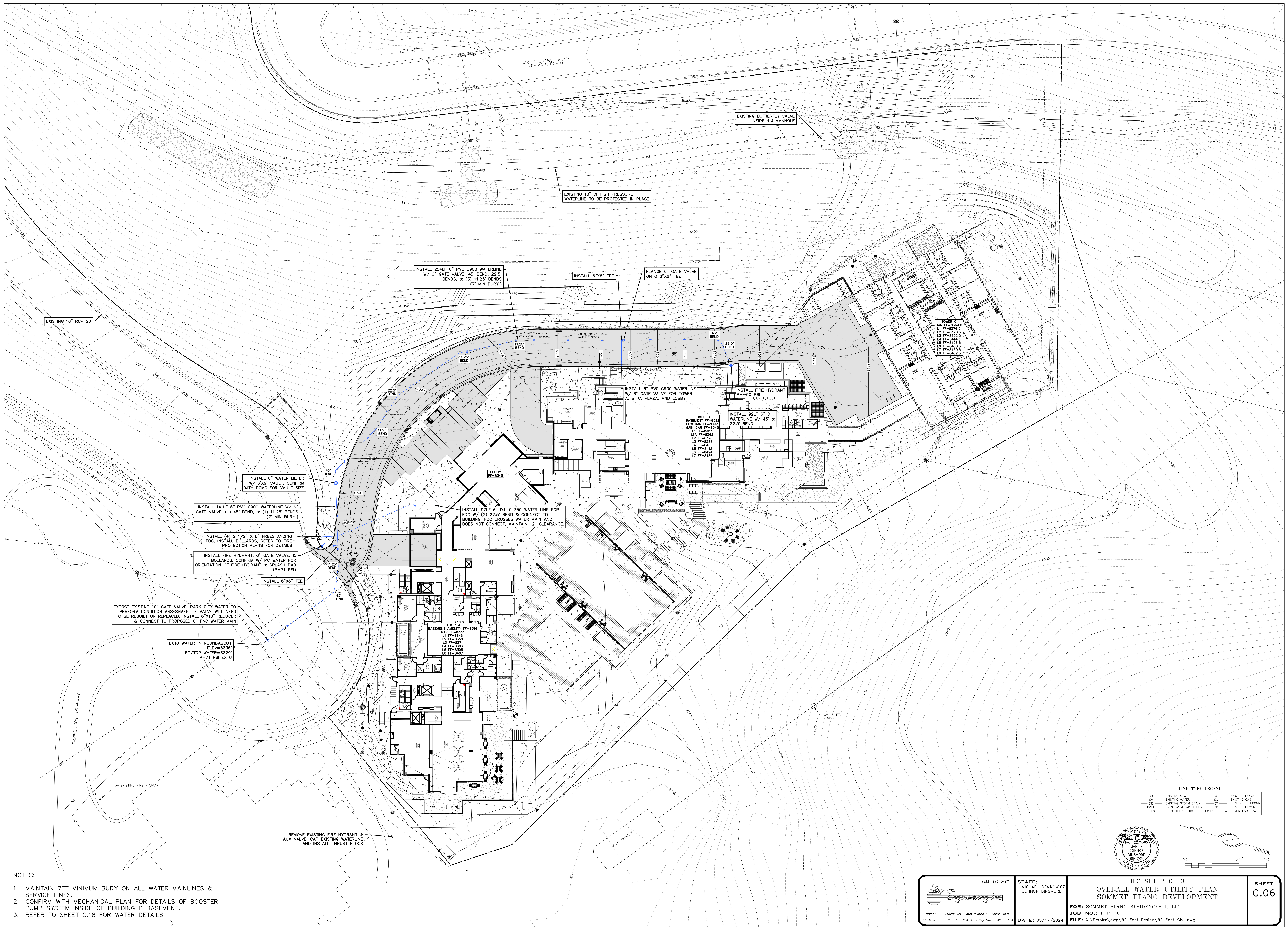
IFC SET 2 OF 3
DRY UTILITY PLAN
SOMMET BLANC DEVELOPMENT

FOR: SOMMET BLANC RESIDENCES I, LLC

JOB NO.: 1-11-18

FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

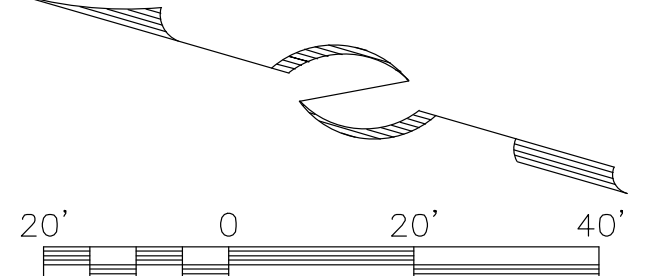
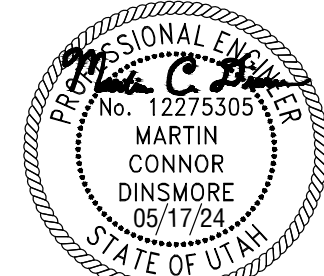
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C.05



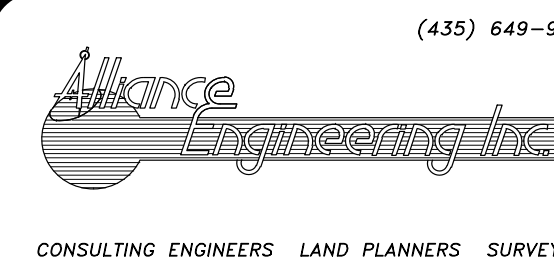
NOTES:

1. MAINTAIN 7FT MINIMUM BURY ON ALL WATER MAINLINES & SERVICE LINES.
2. CONFIRM WITH MECHANICAL PLAN FOR DETAILS OF BOOSTER PUMP SYSTEM INSIDE OF BUILDING B BASEMENT.
3. REFER TO SHEET C.18 FOR WATER DETAILS

LINE TYPE LEGEND			
ESS	EXISTING SEWER	X	EXISTING FENCE
EW	EXISTING WATER	CS	EXISTING GAS
ESD	EXISTING STORM DRAIN	ET	EXISTING TELECOM
EXH	EXTS OVERHEAD UTILITY	EP	EXISTING POWER
EFO	EXTS FIBER OPTIC	EQHP	EXTS OVERHEAD POWER



20' 0 20' 40'



(435) 649-9467

STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

DATE: 05/17/2024

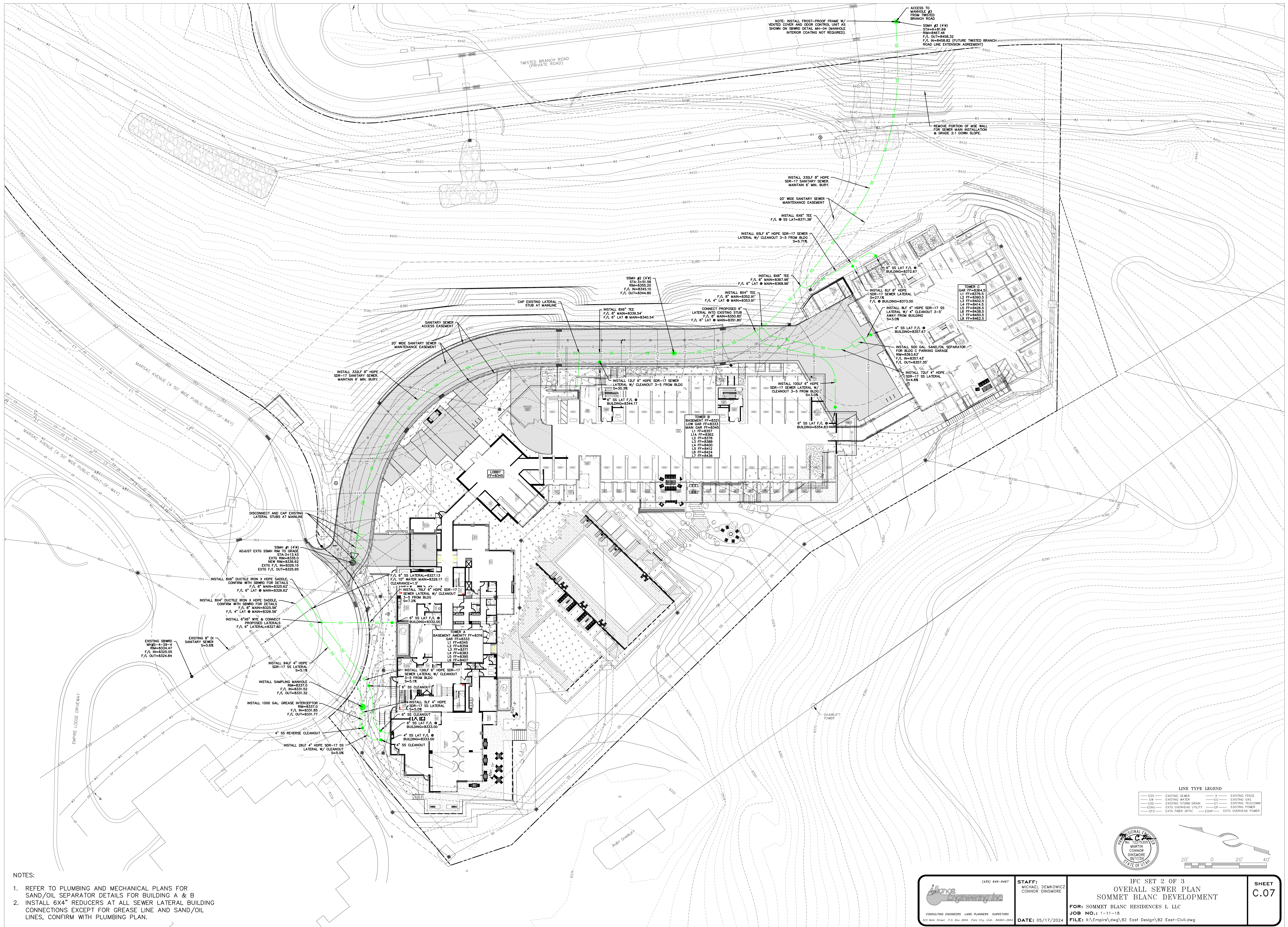
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OVERALL WATER UTILITY PLAN
SOMMET BLANC DEVELOPMENT

FOR: SOMMET BLANC RESIDENCES I, LLC

JOB NO.: 1-11-18

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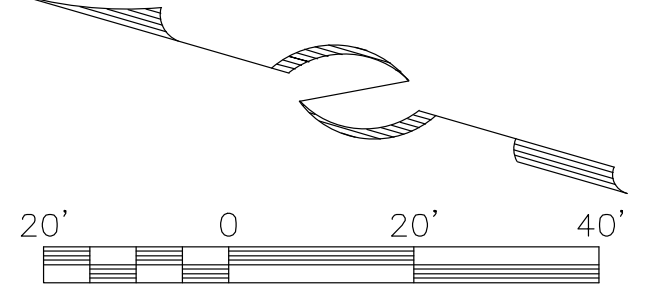
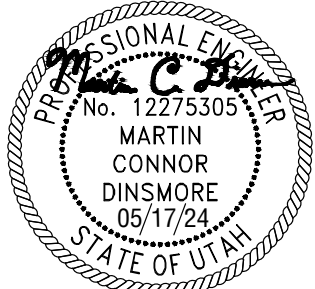
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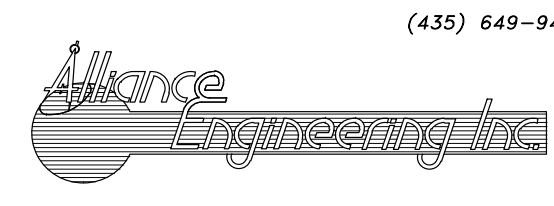


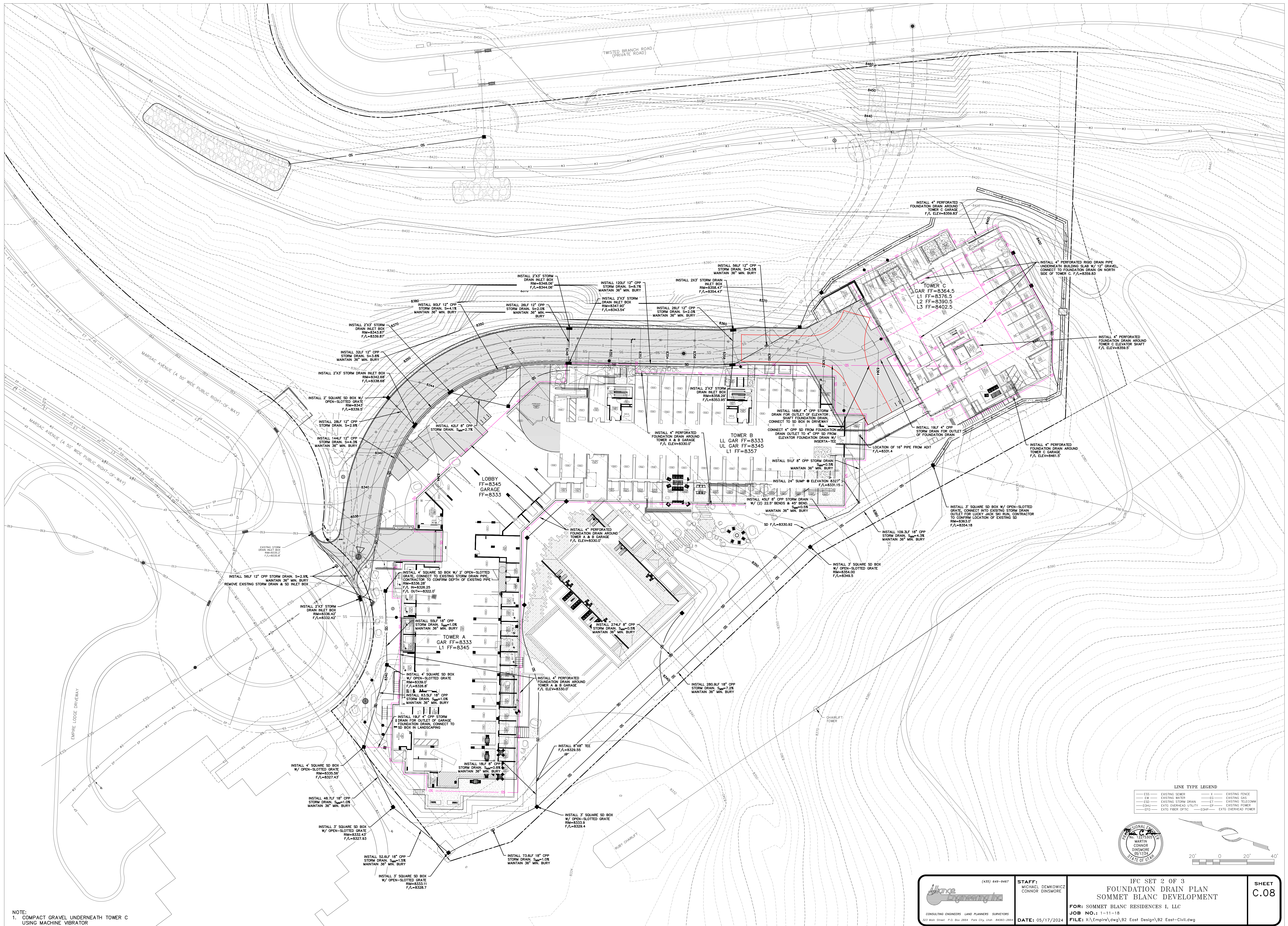
NOTES:

1. REFER TO PLUMBING AND MECHANICAL PLANS FOR SAND/OIL SEPARATOR DETAILS FOR BUILDING A & B
2. INSTALL 6X4" REDUCERS AT ALL SEWER LATERAL BUILDING CONNECTIONS EXCEPT FOR GREASE LINE AND SAND/OIL LINES, CONFIRM WITH PLUMBING PLAN.

LINE TYPE LEGEND			
ESS	EXISTING SEWER	X	EXISTING FENCE
EW	EXISTING WATER	CS	EXISTING GAS
ESD	EXISTING STORM DRAIN	ET	EXISTING TELECOM
CUH	EXTS OVERHEAD UTILITY	CP	EXISTING POWER
EFO	EXTS FIBER OPTIC	EQHP	EXTS OVERHEAD POWER

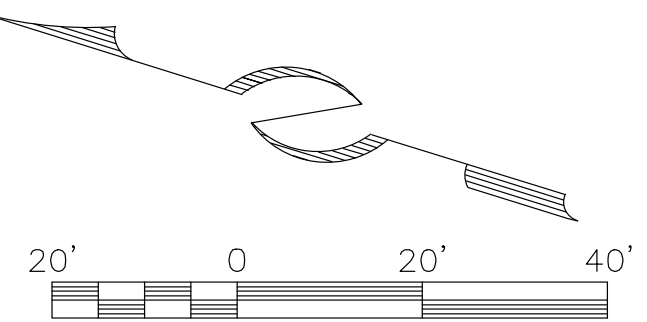
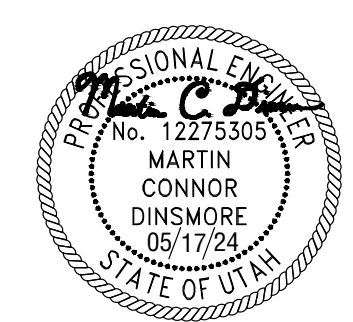


 CONSULTING ENGINEERS LAND PLANNERS SURVEYORS 323 Main Street, P.O. Box 2664, Park City, Utah 84060-2664	(435) 649-9467	STAFF: MICHAEL DEMKOWICZ CONNOR DINSMORE	IPC SET 2 OF 3 OVERALL SEWER PLAN SOMMET BLANC DEVELOPMENT FOR: SOMMET BLANC RESIDENCES I, LLC JOB NO.: 1-11-18 FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg	SHEET C.07
	DATE: 05/17/2024			



NOTE:
1. COMPACT GRAVEL UNDERNEATH TOWER C
USING MACHINE VIBRATOR

LINE TYPE LEGEND			
ESS	EXISTING SEWER	EF	EXISTING FENCE
EW	EXISTING WATER	EG	EXISTING GAS
ESD	EXISTING STORM DRAIN	ET	EXISTING TELECOMM
EUW	EXIST. OVERHEAD UTILITY	EP	EXISTING POWER
ETO	EXTG. FIBER OPTIC	COMP	EXTG. OVERHEAD POWER



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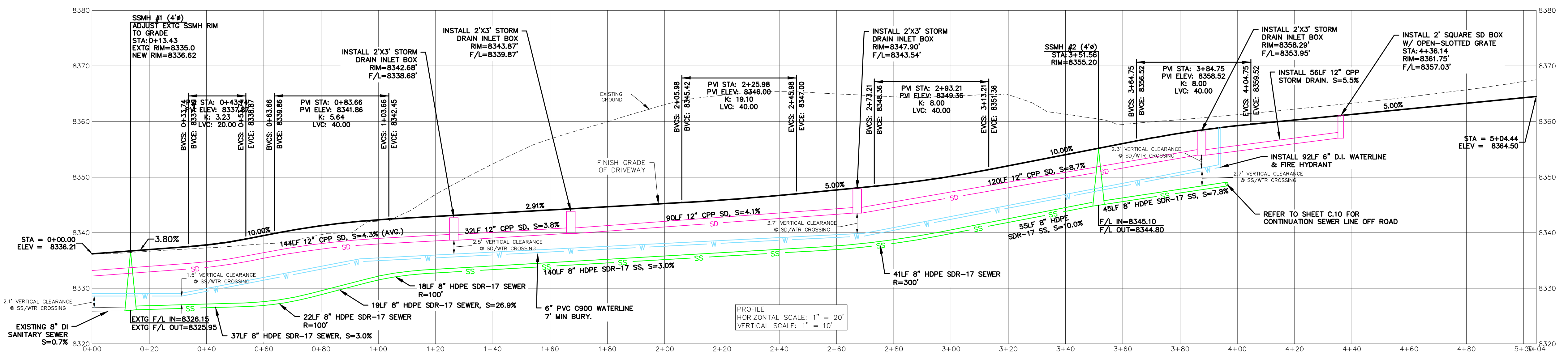
STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

IFC SET 2 OF 3
FOUNDATION DRAIN PLAN
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
DATE: 05/17/2024
FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

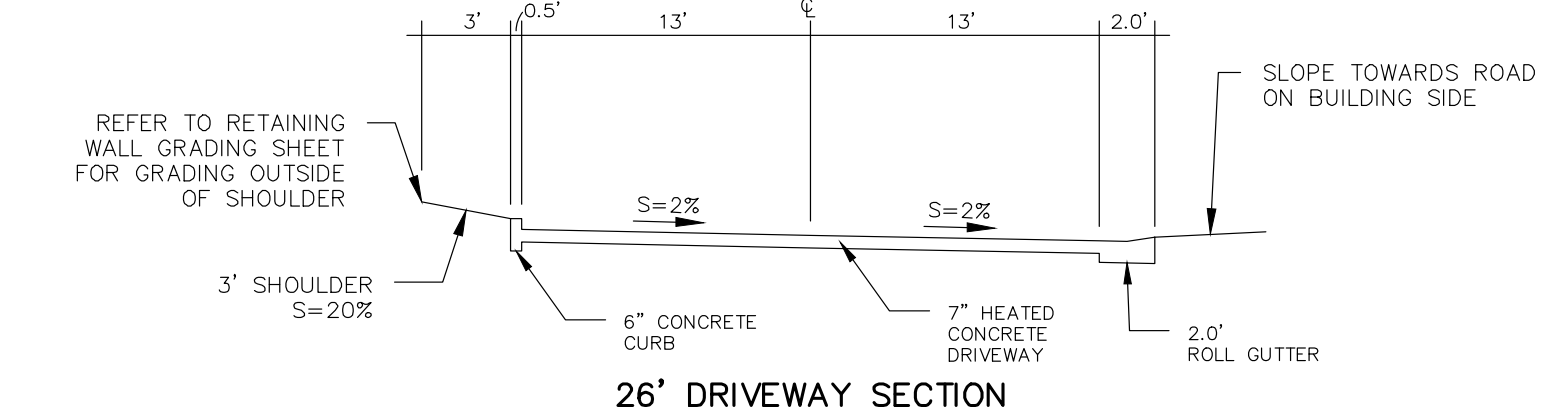
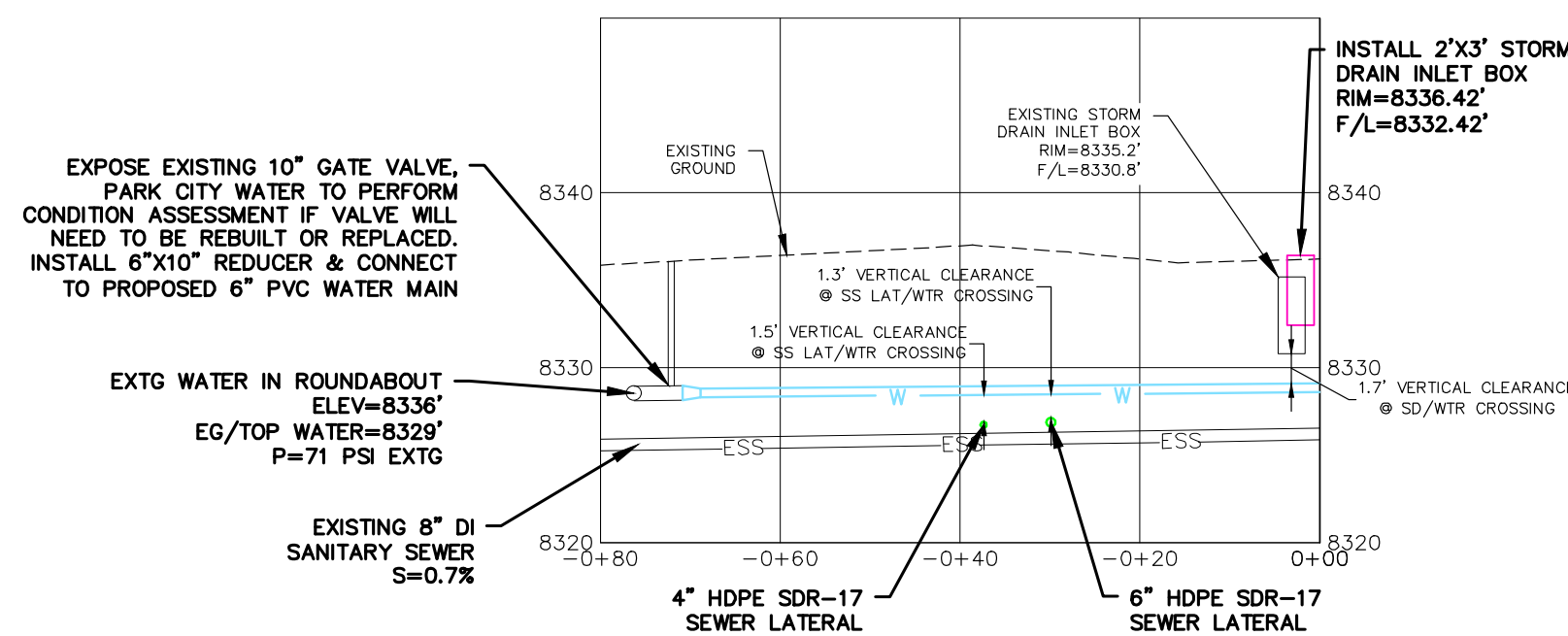
SHEET
C.08



PROPOSED CONDO ROAD PROFILE



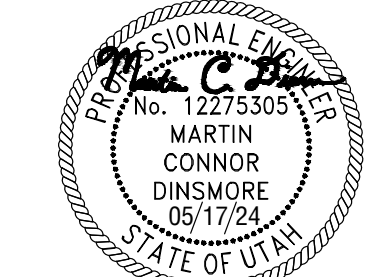
EXISTING ROUNDABOUT PROFILE



NOTE:
THIS PROJECT IS WITHIN THE SOURCE PROTECTION ZONE 2 AS DEFINED IN THE JUDGE TUNNEL SOURCE DELINEATION REPORT. WASTEWATER SYSTEM CONSTRUCTION WITHIN THE JUDGE SOURCE PROTECTION ZONE MUST COMPLY WITH SECTION R309-515-6(4) OF THE ADMINISTRATIVE RULES FOR PUBLIC DRINKING WATER SYSTEMS. ALL WASTEWATER MAIN LINES AND LATERALS MUST BE PVC C900 WITH RETRAINED GASKETED JOINTS OR HOPE SDR-17 AS INDICATED HEREIN.

LINE TYPE LEGEND			
—ESS—	EXISTING SEWER	—X—	EXISTING FENCE
—EW—	EXISTING WATER	—EG—	EXISTING GAS
—ESD—	EXISTING STORM DRAIN	—ET—	EXISTING TELECOM
—EQUH—	EXTG OVERHEAD UTILITY	—EP—	EXISTING POWER
—EFO—	EXTG FIBER OPTIC	—EQHP—	EXTG OVERHEAD POWER

INSTALLATION NOTE: SURVEY HOPE LINES AT 10FT SPACING (SLOPES LESS THAN 5% OR 20FT SPACING (SLOPES GREATER THAN 5%) TO VERIFY PROPER HORIZONTAL AND VERTICAL PLACEMENT AND 3% MINIMUM SLOPE. PROVIDE SURVEY INFORMATION TO SBRD FOR PRELIMINARY INSPECTION.



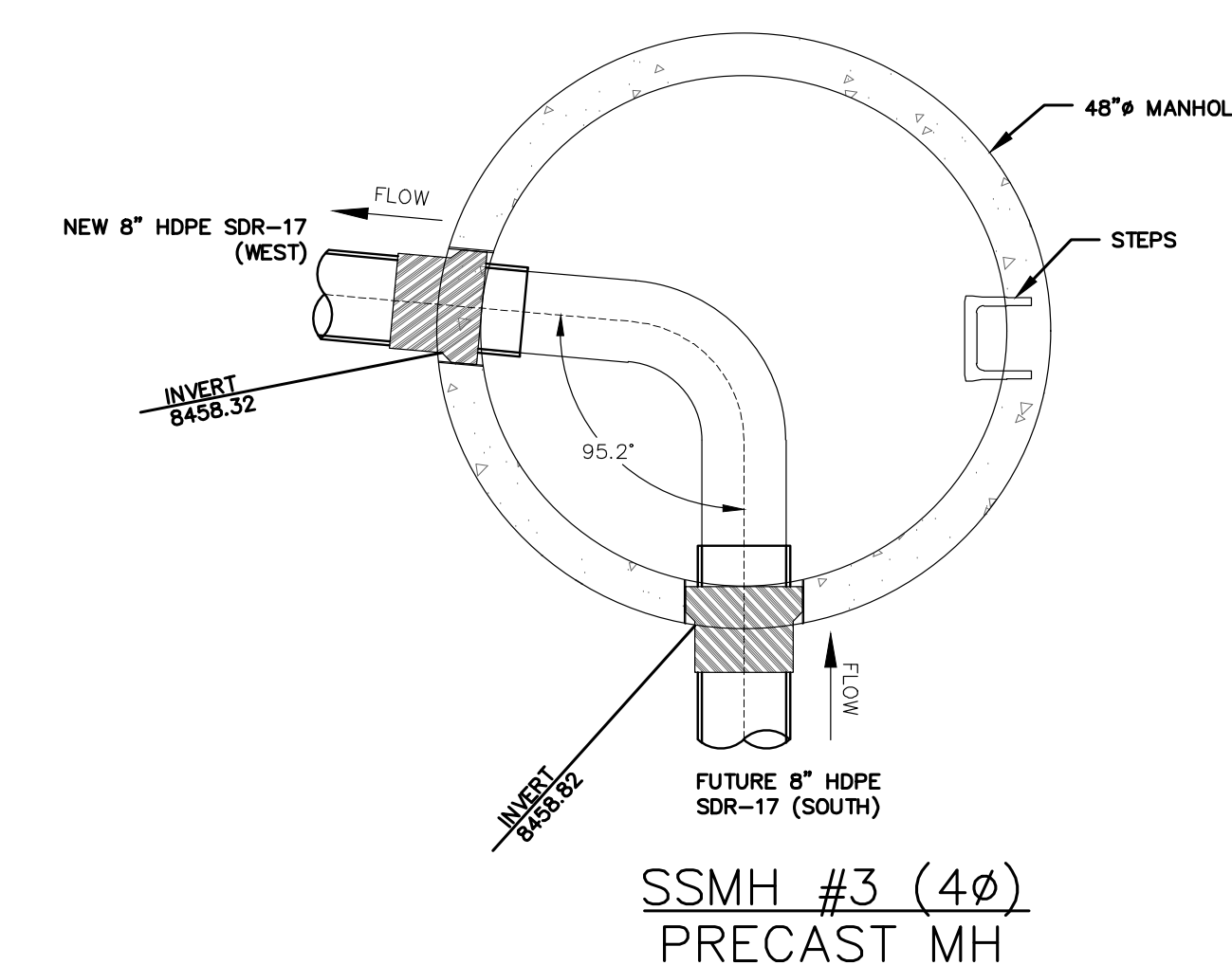
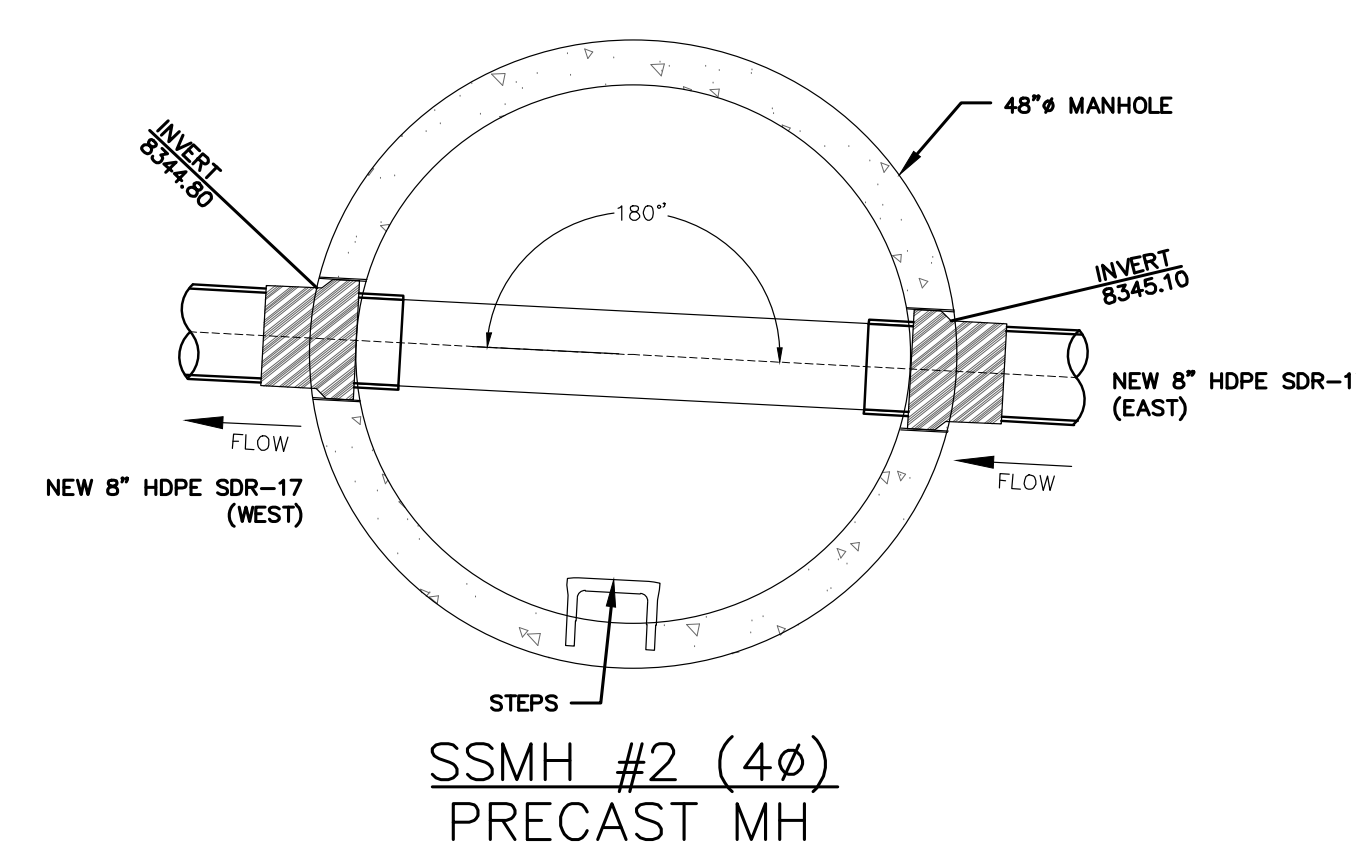
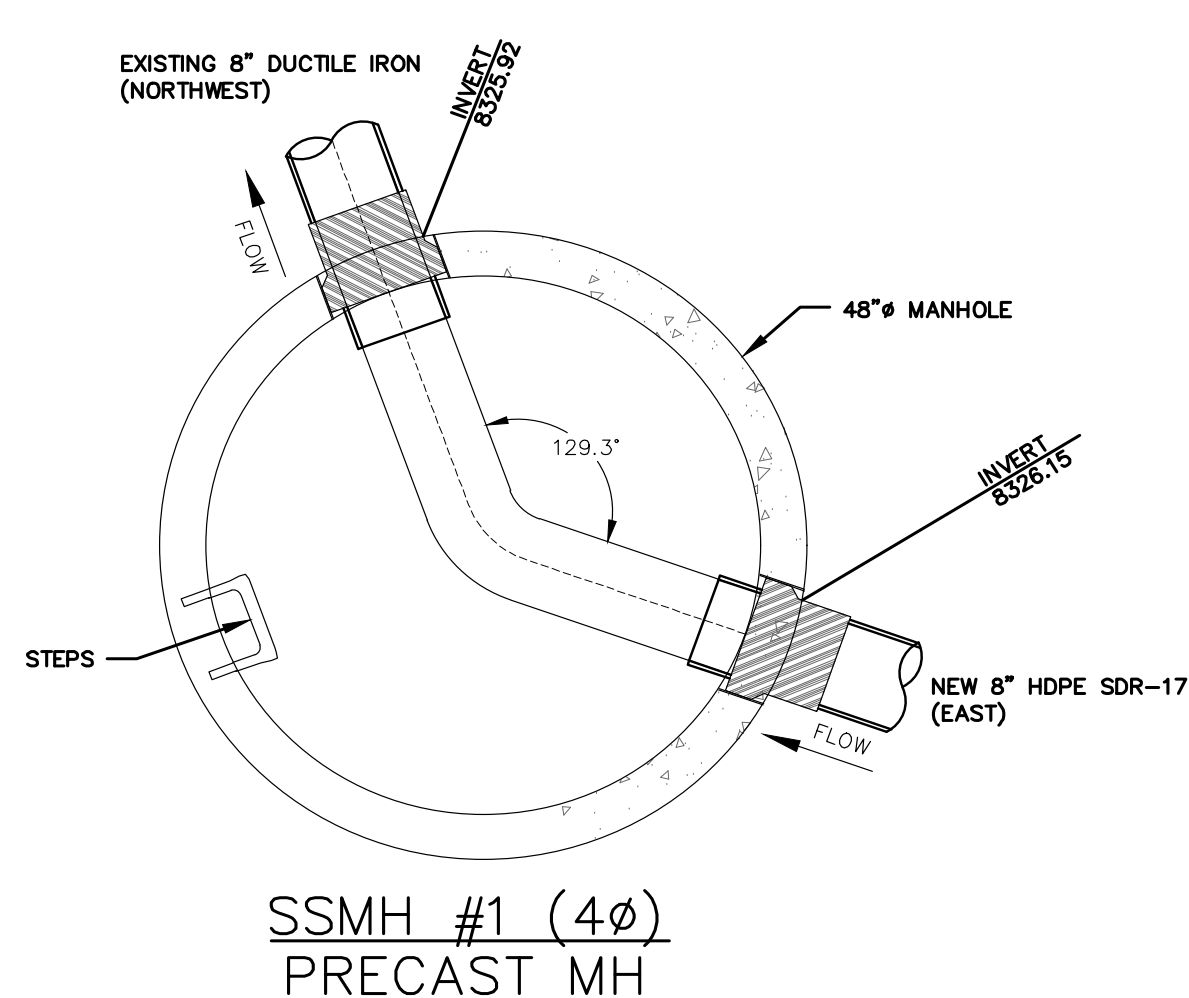
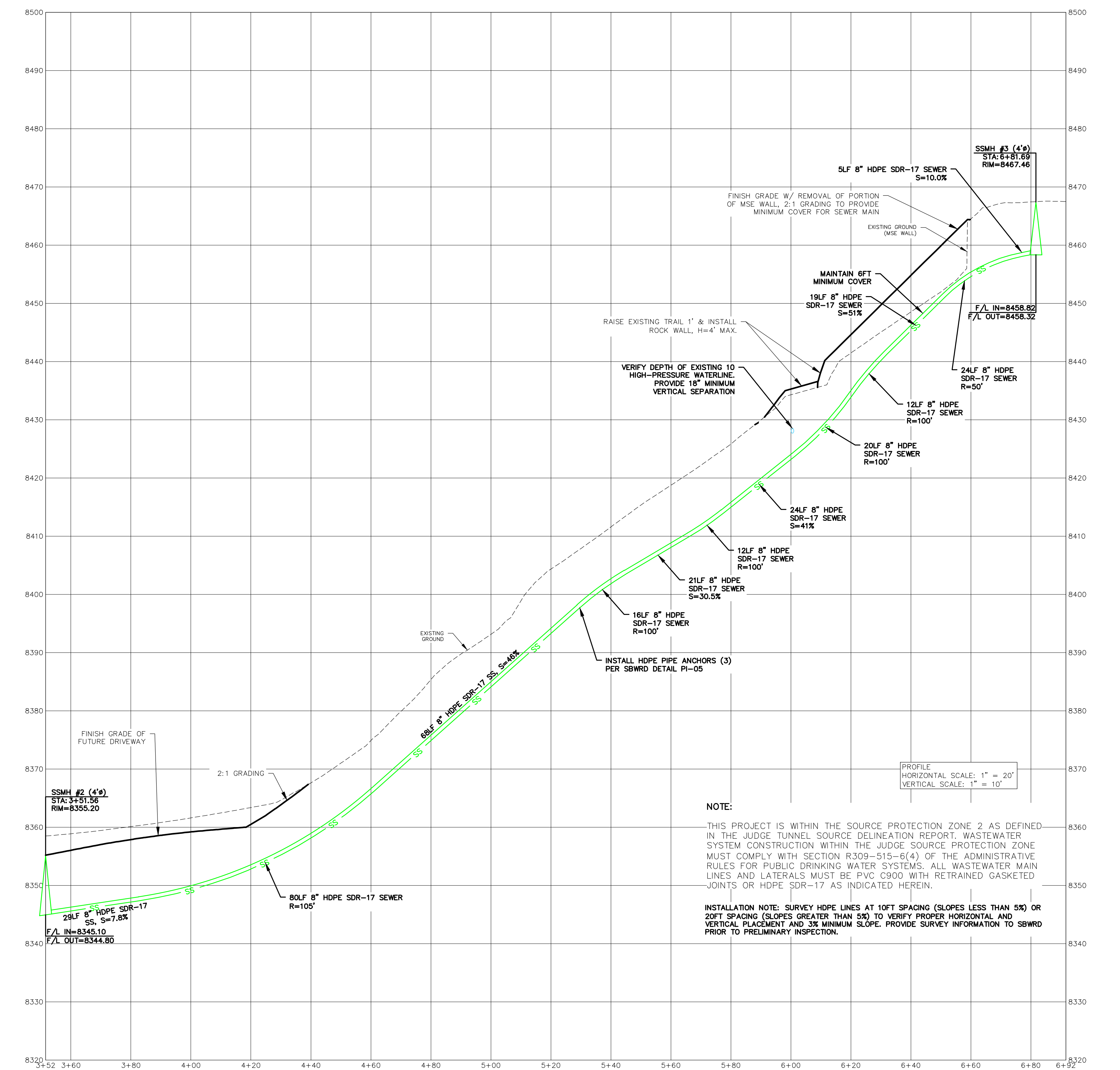
Alcon Engineering
CONSULTING ENGINEERS LAND PLANNERS SURVEYORS
123 Main Street P.O. Box 2664 Park City, Utah 84002-2664
(435) 649-9467

STAFF:
MICHAEL DEMKOWICZ
CONOR DINSMORE

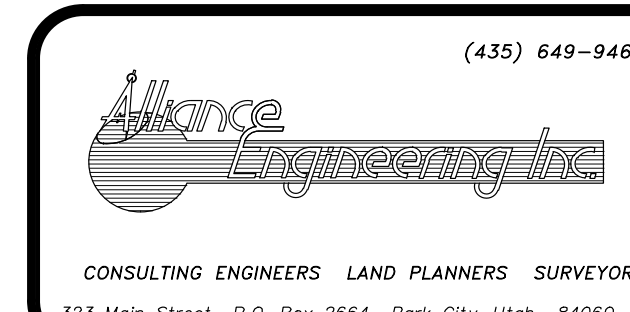
IFC SET 2 OF 3
CONDO ROAD PLAN & PROFILE
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
FILE: X:\Empire\dwg\B2_East Design\B2_East-Civil.dwg

DATE: 05/17/2024

SHEET
C.09



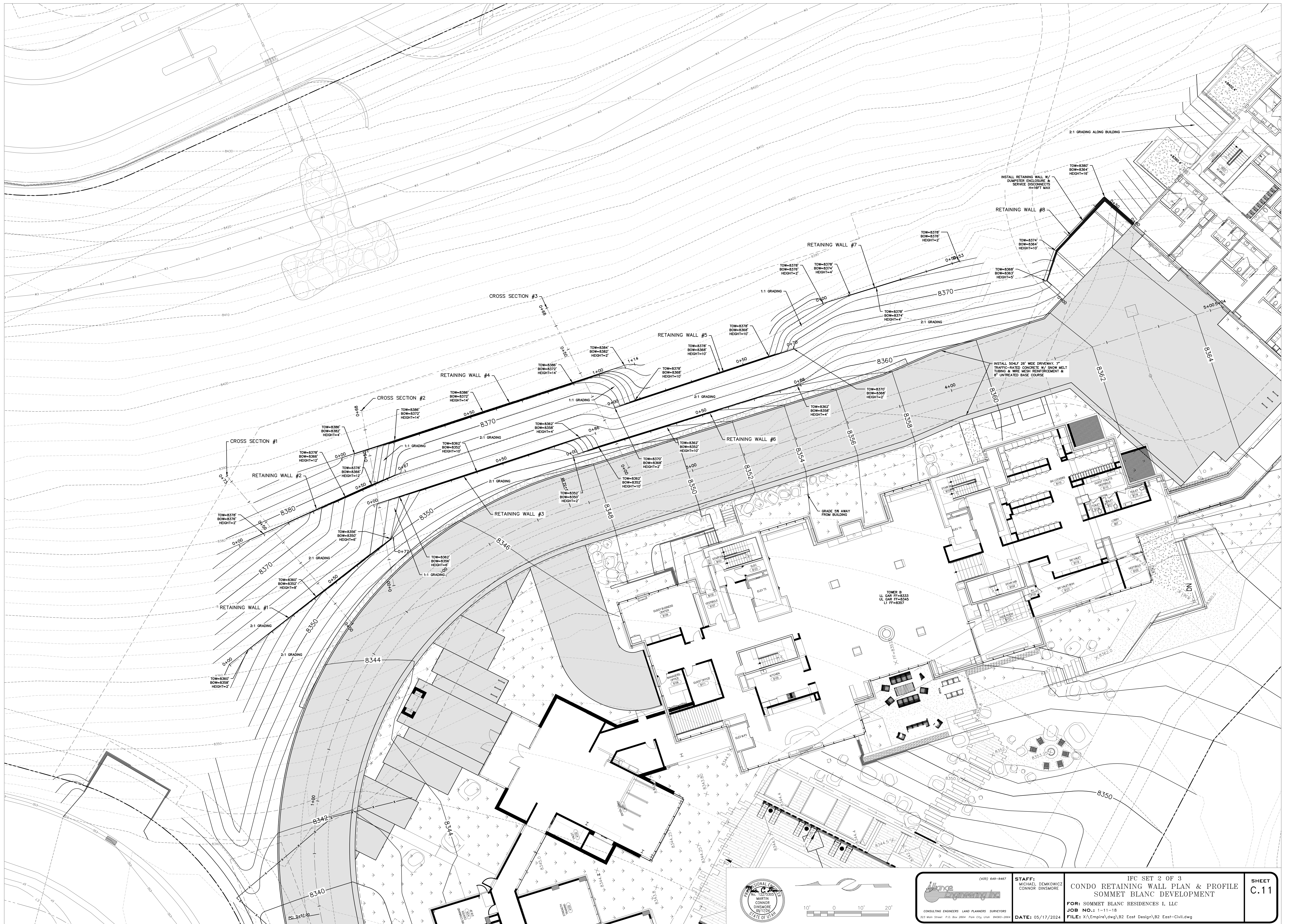
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---	EXISTING WATER	---	EXISTING GAS
---	EXISTING STORM DRAIN	---	EXISTING TELECOM
---	EXISTING OVERHEAD UTILITY	---	EXISTING POWER
---	EXISTING FIBER OPTIC	---	EXISTING OVERHEAD POWER

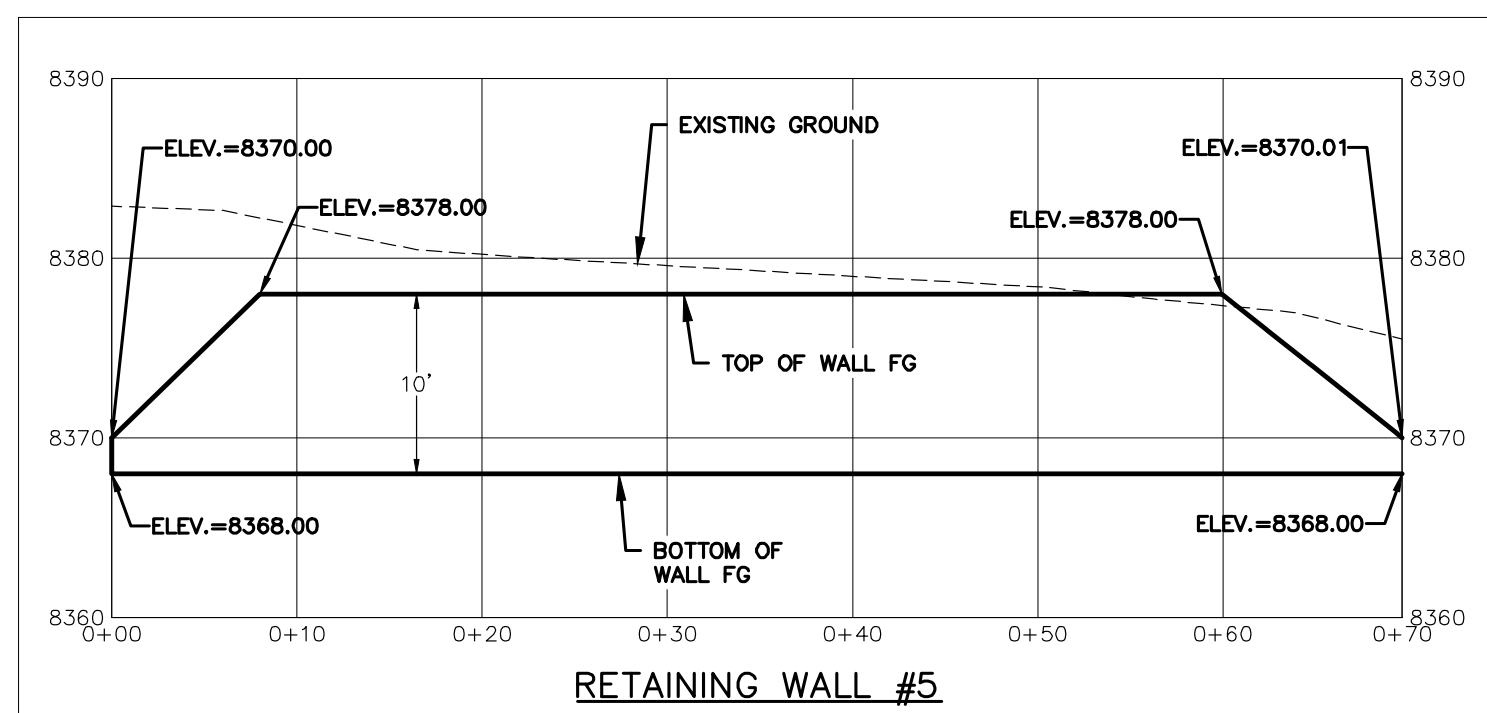
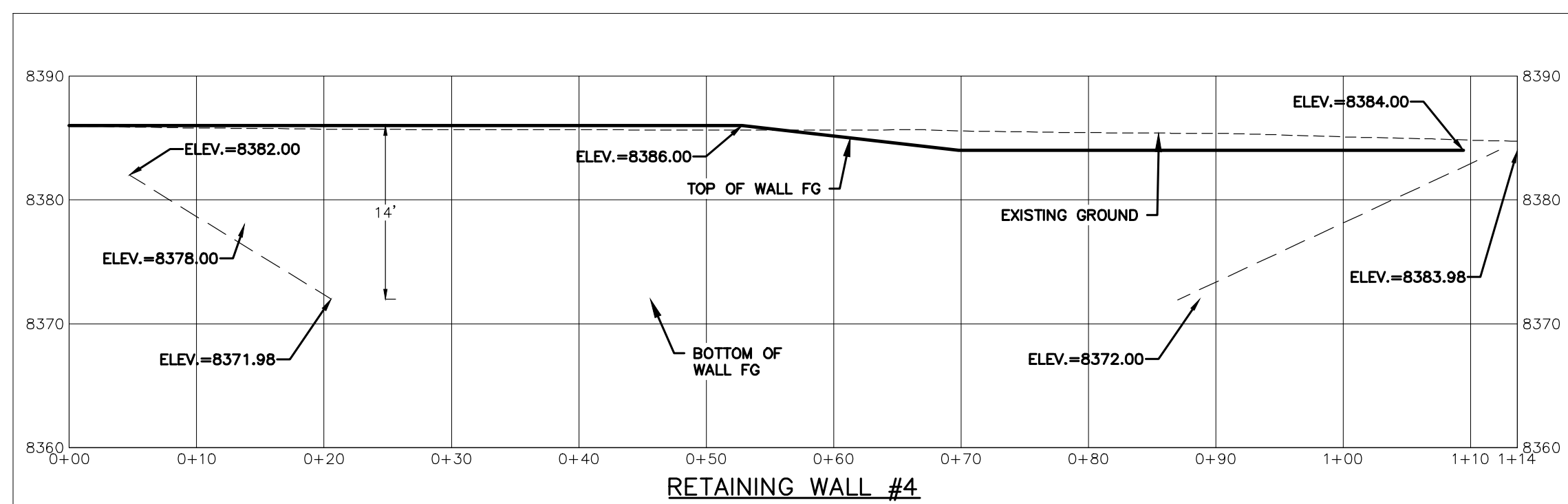
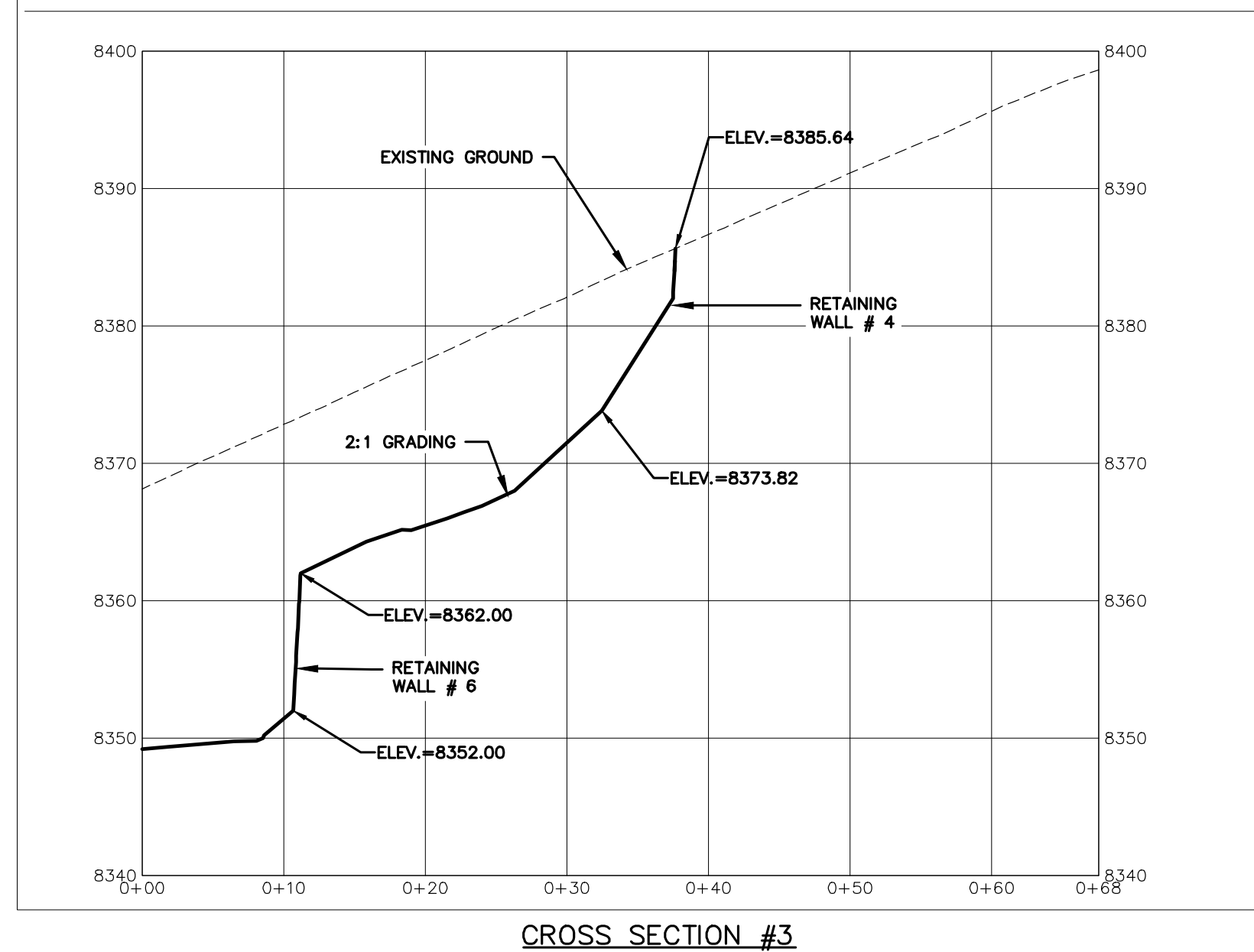
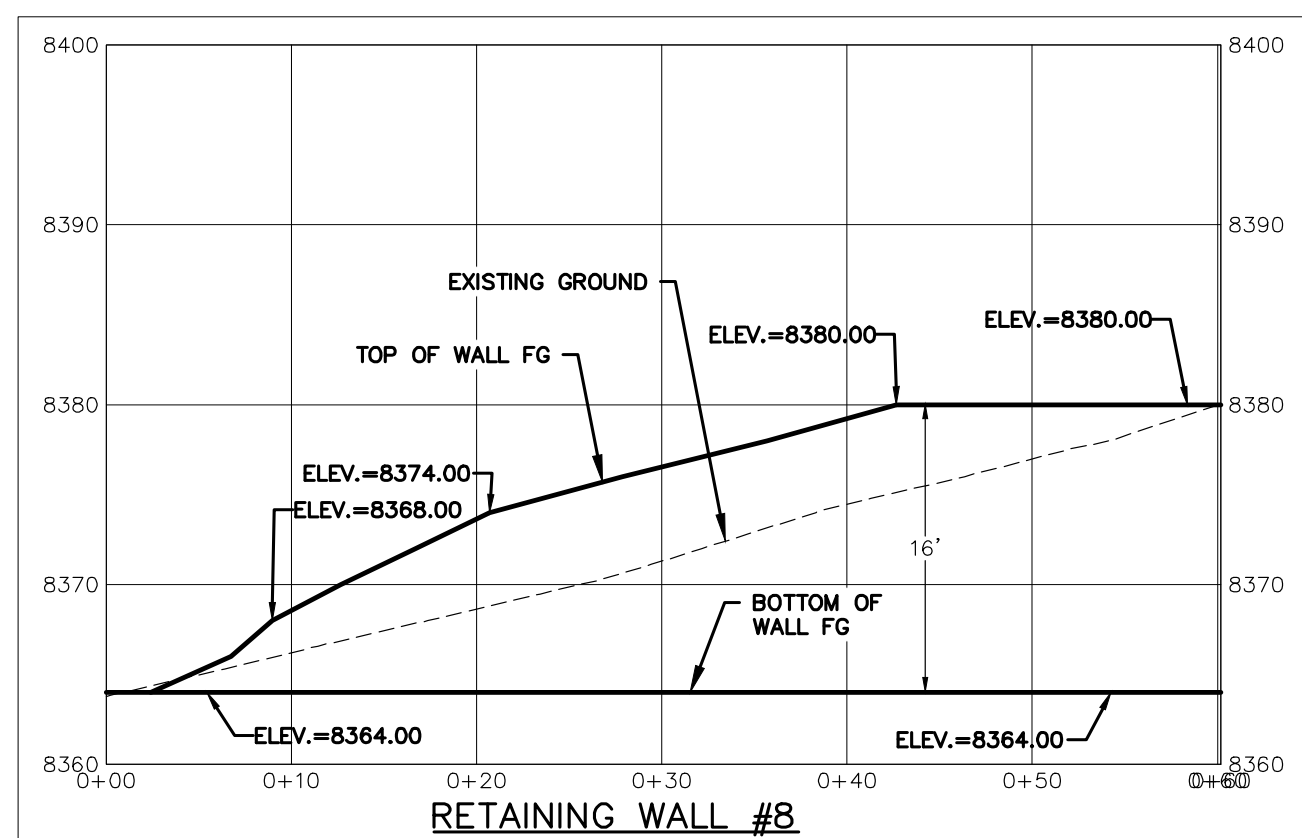
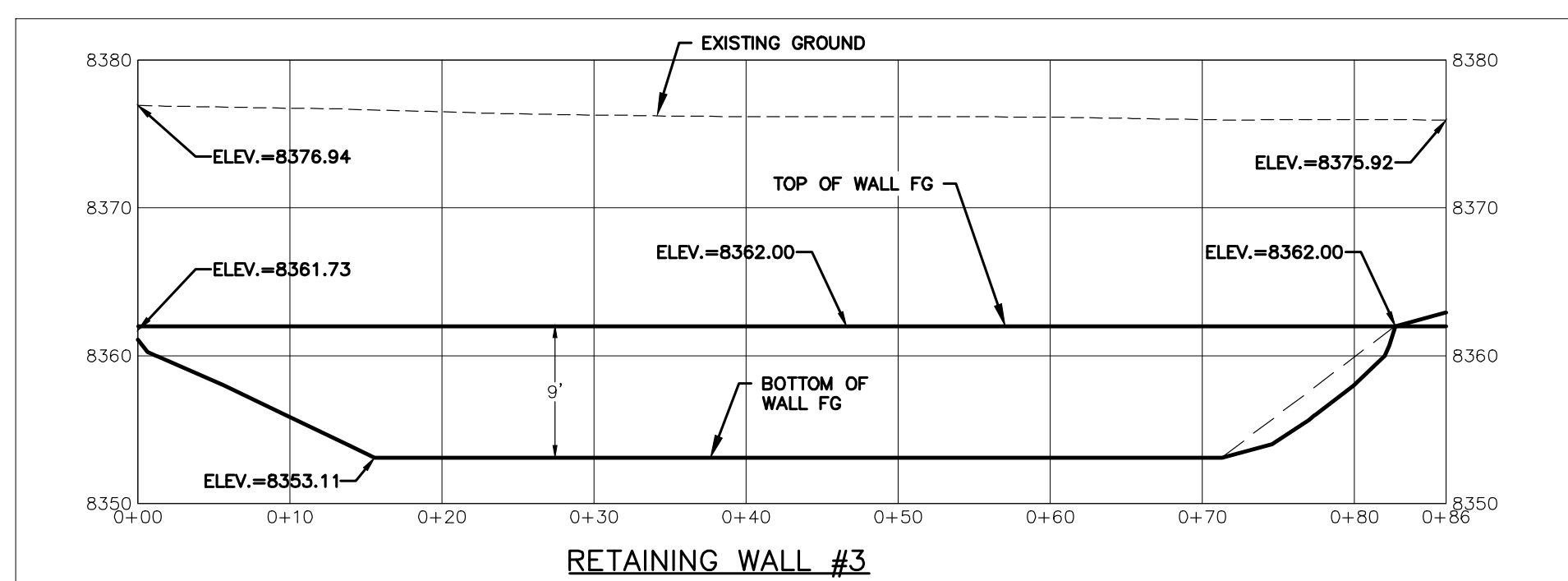
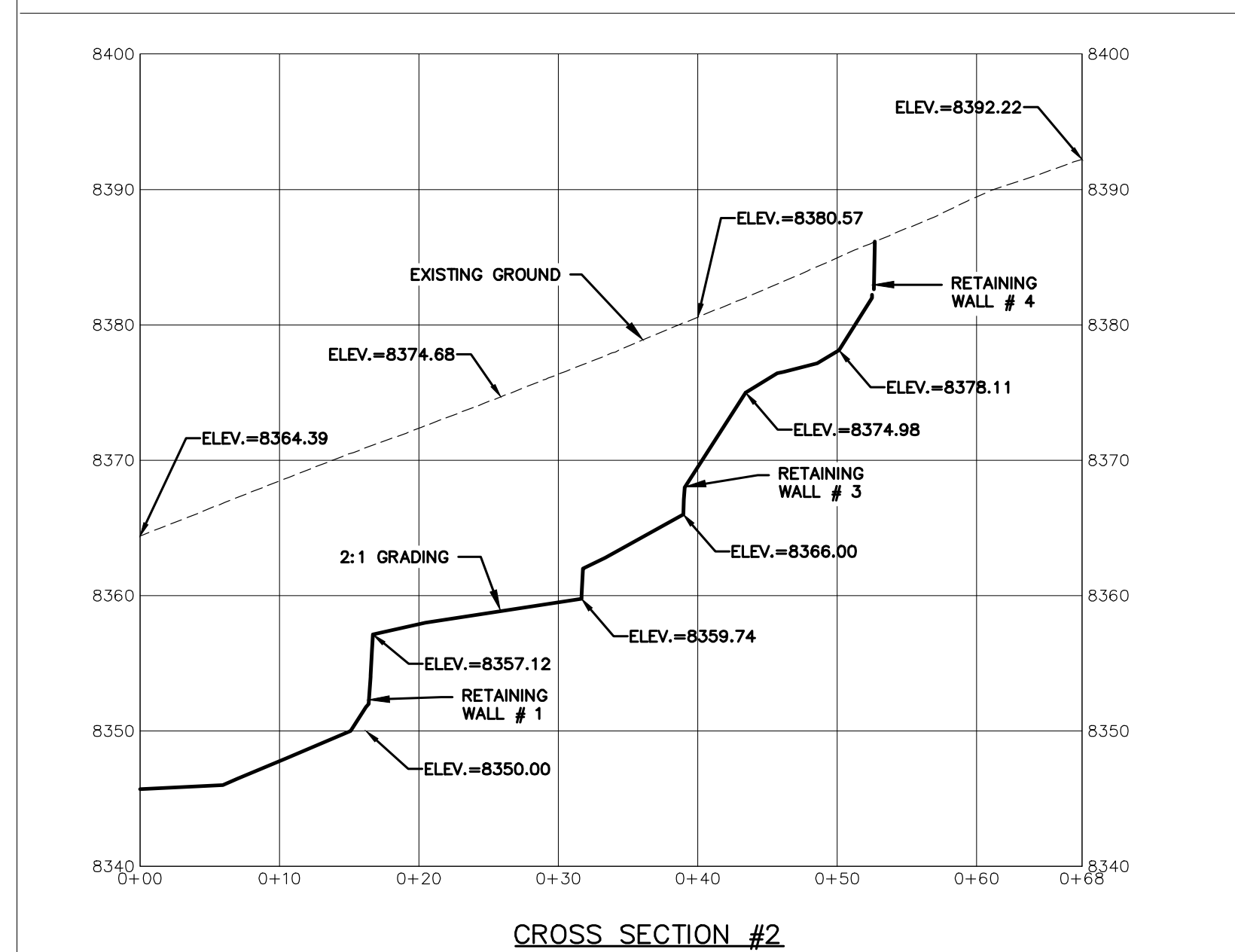
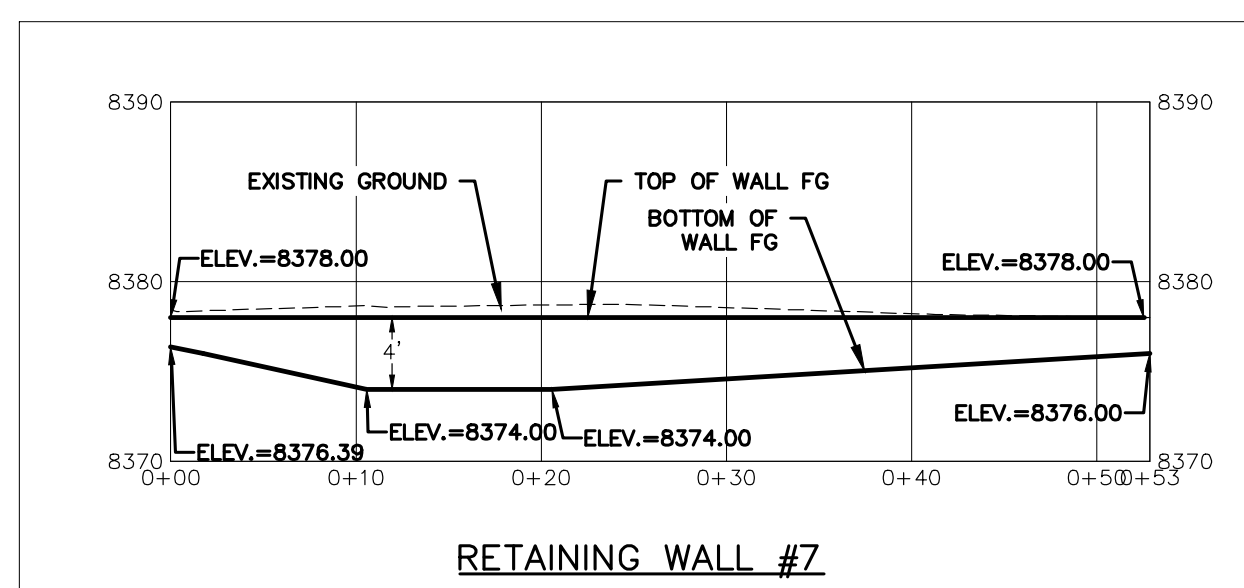
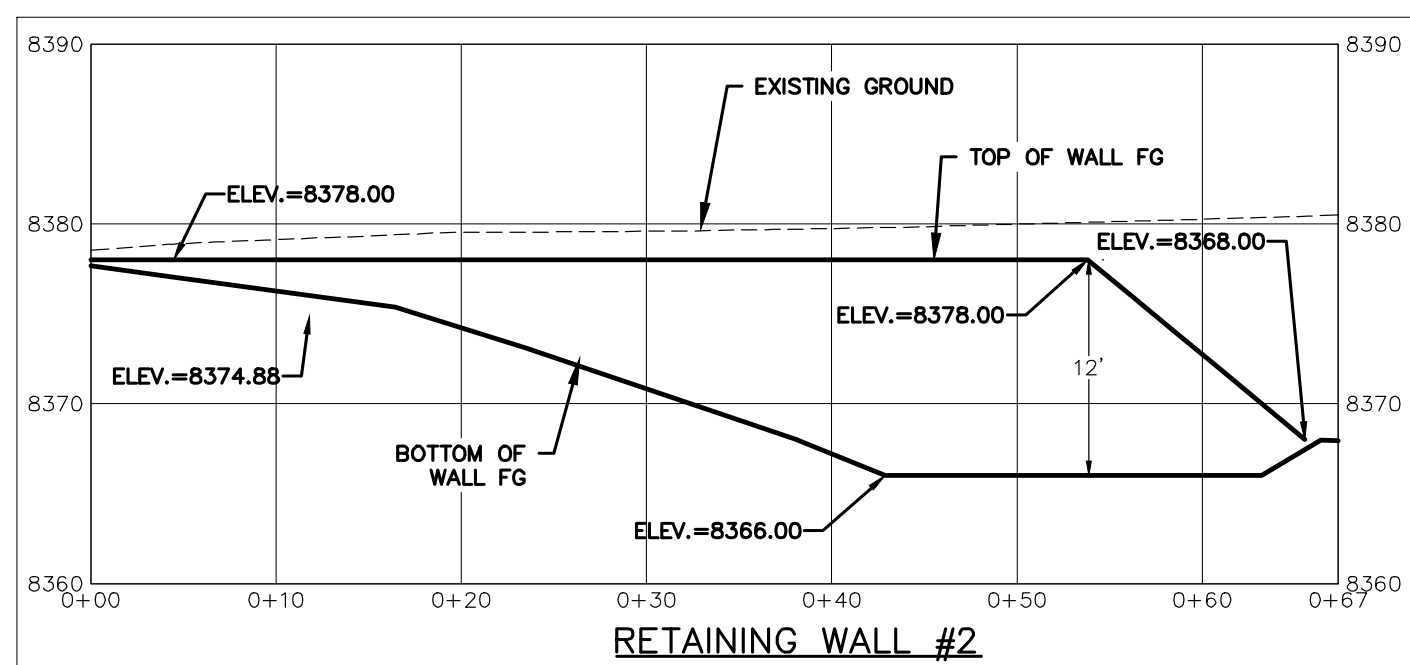
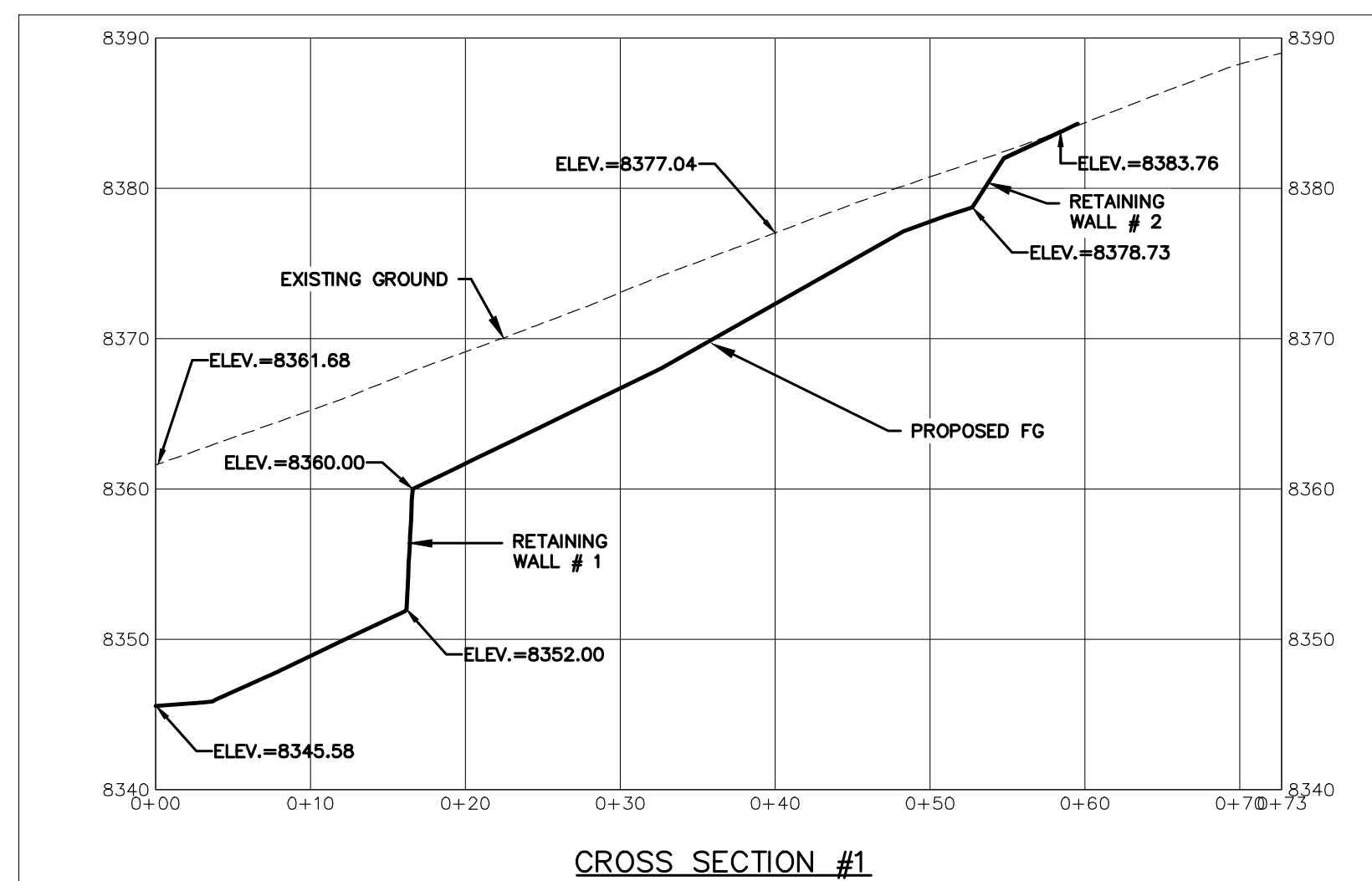
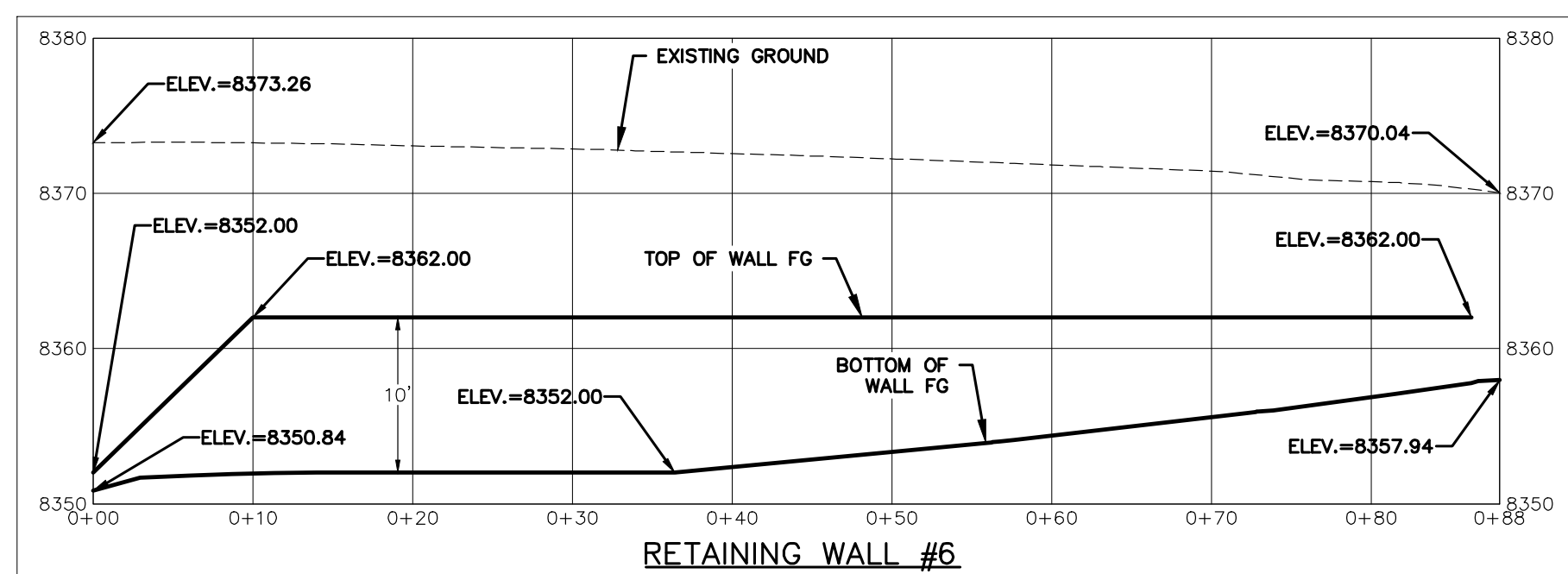
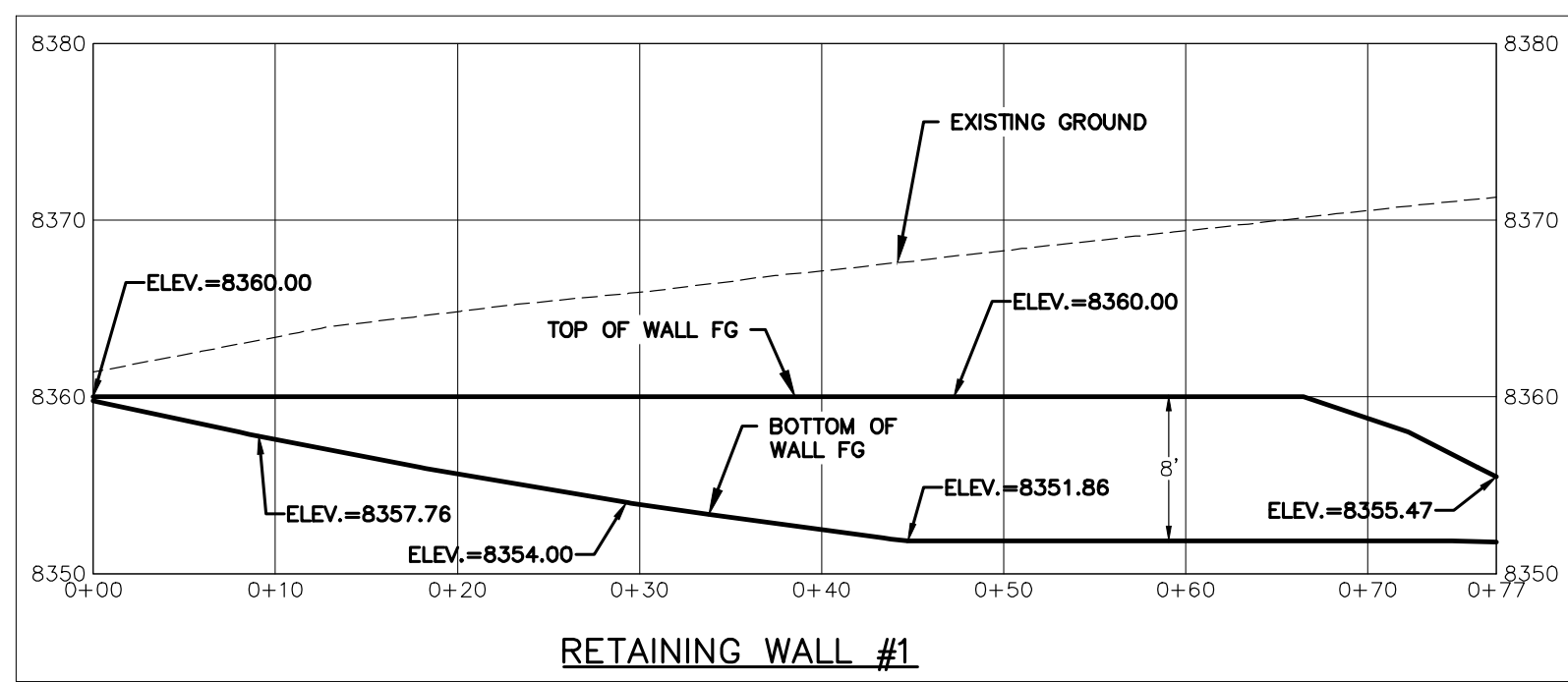


STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

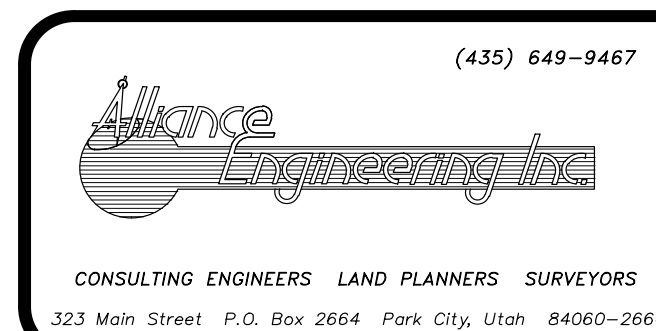
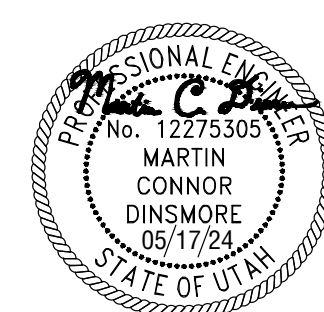
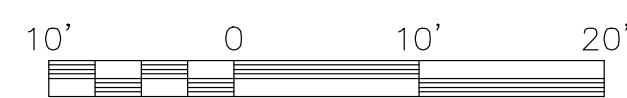
IFC SET 2 OF 3
OFF ROAD SEWER PLAN & PROFILE
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

SHEET
C.10





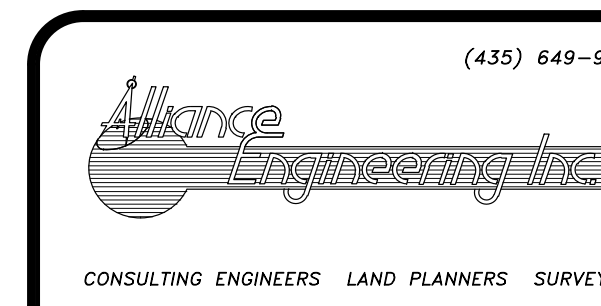
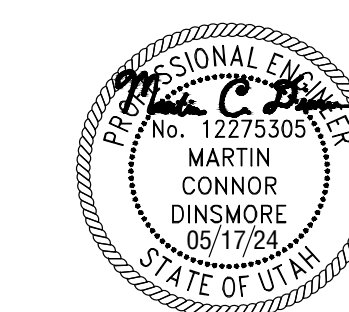
NOTE:
1. BOTTOM OF WALL GRADING TO BE
SMOOTH 2:1 OR 1:1 GRADING, REFER TO
GRADING PLAN SHEET.
2. DASHED LINE ON PROFILES TO REPRESENT
SMOOTH BOTTOM OF WALL GRADING.



STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

IFC SET 2 OF 3
RETAINING WALL PLAN & PROFILE
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
DATE: 05/17/2024
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SHEET
C.12



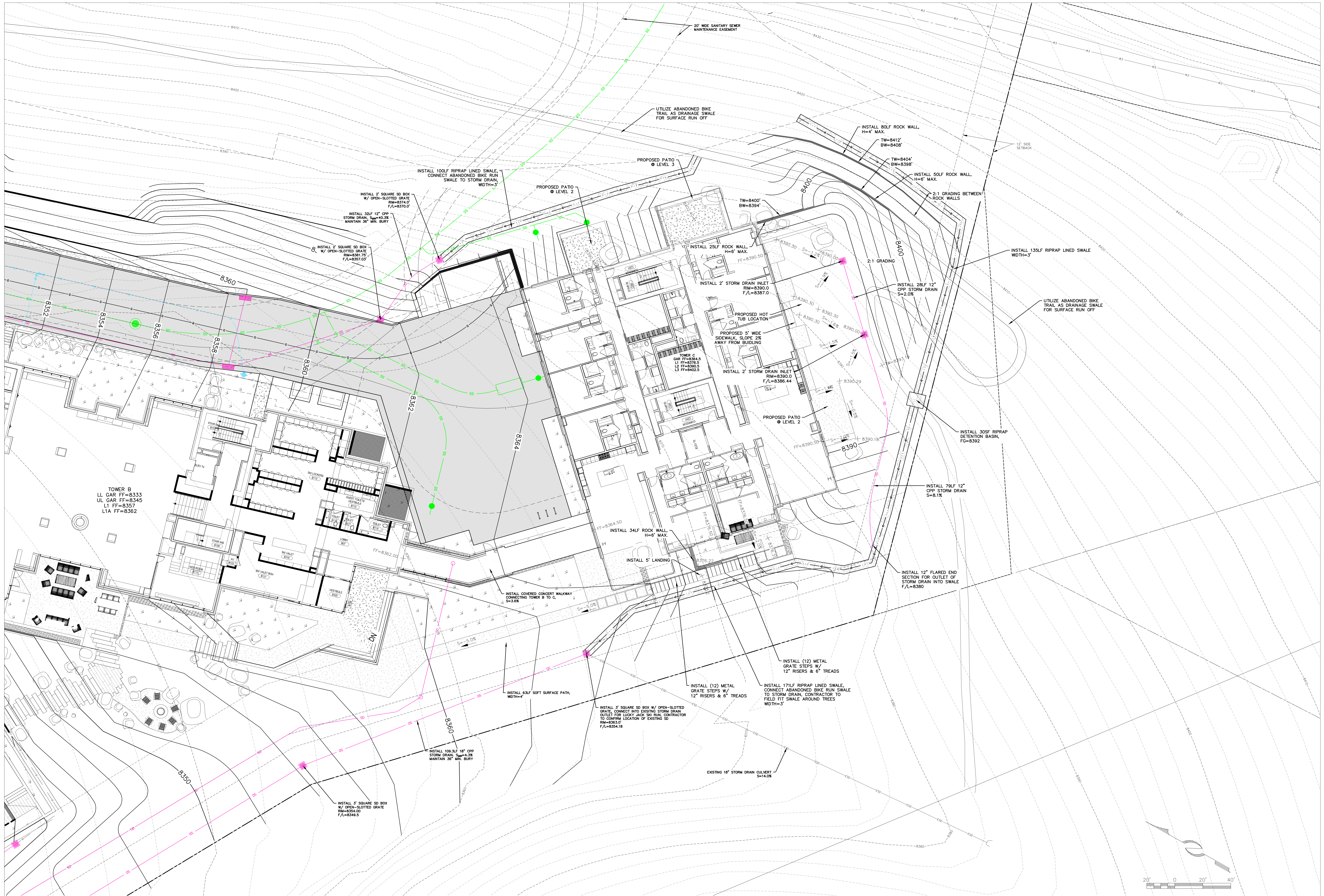
(435) 649-9

STAFF:
MICHAEL DEMKOWIC
CONNOR DINSMORE

100

IFC SET 2 OF 3
 ADDITIONAL DRIVEWAY GRADING
 SOMMET BLANC DEVELOPMENT
 FOR: SOMMET BLANC RESIDENCES I, LLC
 JOB NO.: 1-11-18

SHEET
C.13

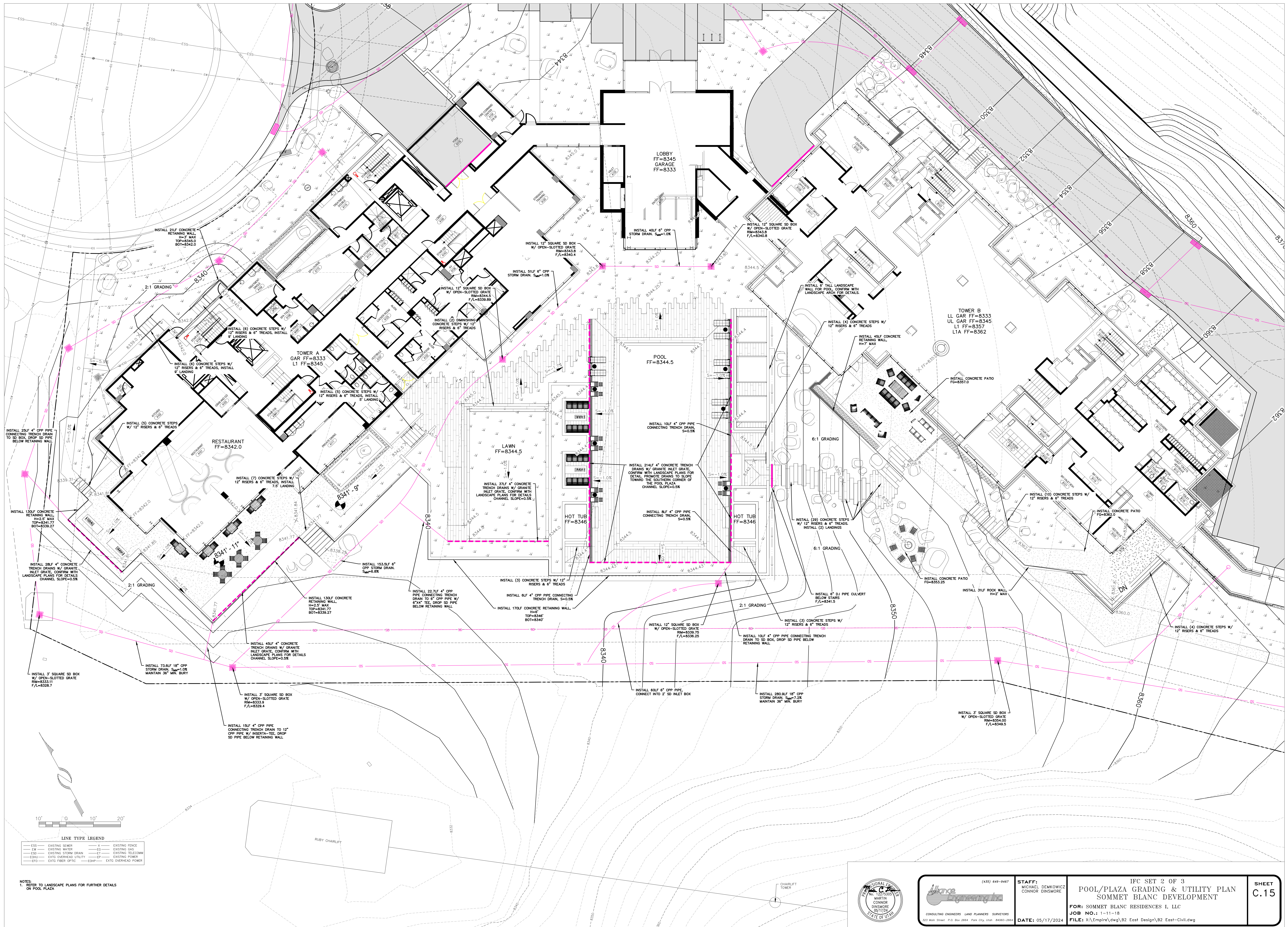


LINE TYPE LEGEND			
---	EXISTING SEWER	-X-	EXISTING FENCE
---	EXISTING WATER	-G-	EXISTING GAS
---	EXISTING STORM DRAIN	-T-	EXISTING TELECOM
---	EXTD OVERHEAD UTILITY	-EP-	EXISTING POWER
---	EXTD FIBER OPTIC	---	EXTD OVERHEAD POWER



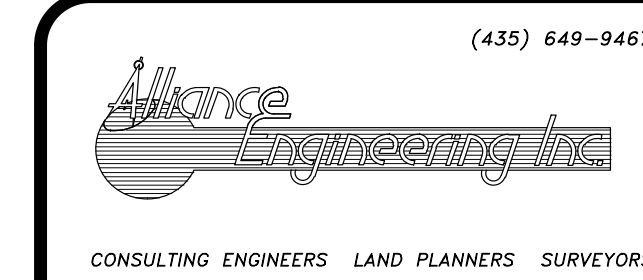
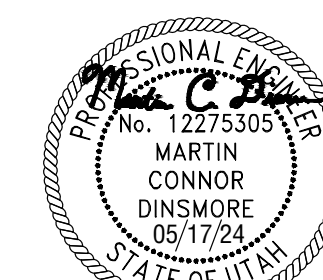
(435) 649-9467
CONSULTING ENGINEERS LAND PLANNERS SURVEYORS
323 Main Street P.O. Box 2664 Park City, Utah 84060-2664

STAFF: MICHAEL DEMKOWICZ CONNOR DINSMORE	IFC SET 2 OF 3	SHEET C.14
	TOWER C GRADING PLAN	
	SOMMET BLANC DEVELOPMENT	
	FOR: SOMMET BLANC RESIDENCES I, LLC	
JOB NO.: 1-11-18	DATE: 05/17/2024	FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg



NOTES:
1. REFER TO LANDSCAPE PLANS FOR FURTHER DETAILS ON POOL PLAZA

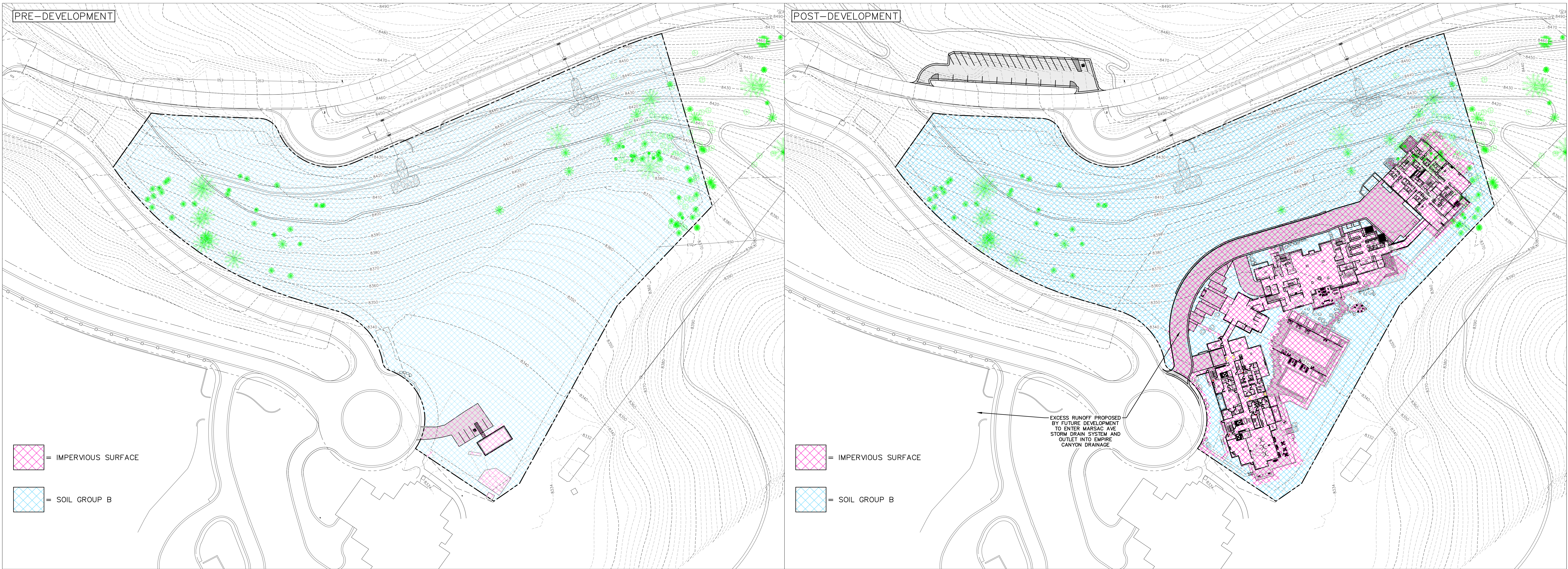
LINE TYPE LEGEND			
ESS	EXISTING SEWER	X	EXISTING FENCE
EW	EXISTING WATER	EO	EXISTING GUY
ED	EXISTING DRAIN	ET	EXISTING TELECOM
EHU	EXISTING OVERHEAD UTILITY	EP	EXISTING POWER
EDF	EXISTING FIBER OPTIC	EDP	EXISTING OVERHEAD POWER



STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

IFC SET 2 OF 3
POOL/PLAZA GRADING & UTILITY PLAN
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
DATE: 05/17/2024
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SHEET
C.15

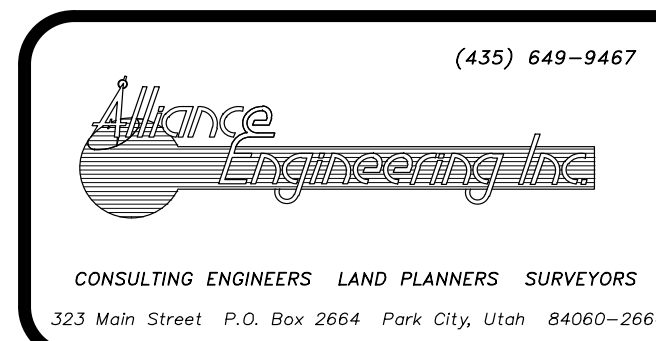
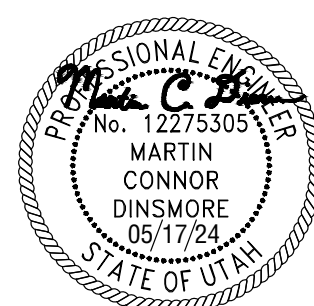
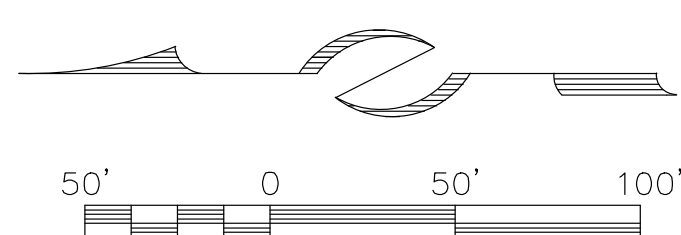


WATER QUALITY VOLUME CALCULATIONS																																							
ASSUMPTIONS		PRE-DEVELOPMENT WATER QUALITY VOLUME			GROUNDWATER RECHARGE VOLUME																																		
METHOD OF ANALYSIS: $WQ_v=CITA$ DESIGN STORM: 90TH PERCENTILE EVENT NOTE: INTENSITY = 0.60 IN/HR PER SUMMIT COUNTY MS4.		AREAS FOR WEIGHT AVERAGE "C":			$\Delta WQ_v = 376,831 \text{ CU FT}$																																		
VARIABLES		<table><tr><th rowspan="2">SLOPE</th><th colspan="4">HYDROLOGIC SOIL GROUP</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>FLAT (0-2%)</td><td></td><td></td><td></td><td></td></tr><tr><td>AVERAGE (2-6%)</td><td></td><td></td><td></td><td></td></tr><tr><td>STEEP (>6%)</td><td></td><td>294,689</td><td></td><td></td></tr><tr><td>SURFACING</td><td colspan="2">PERVIOUS</td><td colspan="2">IMPERVIOUS</td></tr><tr><td>HARDSCAPE</td><td colspan="2"></td><td colspan="2">6,168</td></tr></table> $A = 300,858 \text{ FT}^2$ $C = 0.22$ $i = 0.26 \text{ FT/HR}$ $t = 24.00 \text{ HR}$ $\Delta WQ_v = 423,117 \text{ CU FT}$				SLOPE	HYDROLOGIC SOIL GROUP				A	B	C	D	FLAT (0-2%)					AVERAGE (2-6%)					STEEP (>6%)		294,689			SURFACING	PERVIOUS		IMPERVIOUS		HARDSCAPE			6,168	
SLOPE	HYDROLOGIC SOIL GROUP																																						
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SURFACING	PERVIOUS		IMPERVIOUS																																				
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Q = RUNOFF FLOWRATE [CUBIC FEET/SEC] C = RUNOFF COEFFICIENT (WEIGHT AVERAGE BY SOIL GROUP AND AREA TYPE) RUNOFF COEFFICIENTS "C":		<table><tr><th rowspan="2">SLOPE</th><th colspan="4">HYDROLOGIC SOIL GROUP</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>FLAT (0-2%)</td><td>0.07</td><td>0.10</td><td>0.14</td><td>0.18</td></tr><tr><td>AVERAGE (2-6%)</td><td>0.12</td><td>0.15</td><td>0.19</td><td>0.23</td></tr><tr><td>STEEP (>6%)</td><td>0.16</td><td>0.21</td><td>0.27</td><td>0.33</td></tr><tr><td>SURFACING</td><td colspan="2">PERVIOUS</td><td colspan="2">IMPERVIOUS</td></tr><tr><td>HARDSCAPE</td><td colspan="2">0.78</td><td colspan="2">0.93</td></tr></table> $i = \text{STORM INTENSITY [FT/HR]}$ $T = \text{STORM DURATION [HR]}$ NOTE: $T = 1 \text{ HR}$ PER SUMMIT COUNTY ORDINANCE 381-A. $A = \text{AREA [FT}^2\text{]}$				SLOPE	HYDROLOGIC SOIL GROUP				A	B	C	D	FLAT (0-2%)	0.07	0.10	0.14	0.18	AVERAGE (2-6%)	0.12	0.15	0.19	0.23	STEEP (>6%)	0.16	0.21	0.27	0.33	SURFACING	PERVIOUS		IMPERVIOUS		HARDSCAPE	0.78		0.93	
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	A	B	C	D																																			
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		POST-DEVELOPMENT WATER QUALITY VOLUME																																					
		<table><tr><th rowspan="2">SLOPE</th><th colspan="4">HYDROLOGIC SOIL GROUP</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>FLAT (0-2%)</td><td></td><td></td><td></td><td></td></tr><tr><td>AVERAGE (2-6%)</td><td></td><td></td><td></td><td></td></tr><tr><td>STEEP (>6%)</td><td></td><td>210,498</td><td></td><td></td></tr><tr><td>SURFACING</td><td colspan="2">PERVIOUS</td><td colspan="2">IMPERVIOUS</td></tr><tr><td>HARDSCAPE</td><td colspan="2"></td><td colspan="2">90,360</td></tr></table> $A = 300,858 \text{ FT}^2$ $C = 0.42$ $i = 0.26 \text{ FT/HR}$ $t = 24.00 \text{ HR}$ $\Delta WQ_v = 799,948 \text{ CU FT}$				SLOPE	HYDROLOGIC SOIL GROUP				A	B	C	D	FLAT (0-2%)					AVERAGE (2-6%)					STEEP (>6%)		210,498			SURFACING	PERVIOUS		IMPERVIOUS		HARDSCAPE			90,360	
SLOPE	HYDROLOGIC SOIL GROUP																																						
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HARDSCAPE			90,360																																				

PEAK RUNOFF CALCULATIONS																																											
ASSUMPTIONS				PRE-DEVELOPMENT PEAK DISCHARGE				EXCESS RUNOFF STORAGE VOLUME																																			
METHOD OF ANALYSIS: RATIONAL METHOD Q=CIA				AREAS FOR WEIGHT AVERAGE "C":				ΔQ= 0.23 CFS																																			
STORM RETURN PERIOD: 100 YEARS				<table><tr><th rowspan="2">SLOPE</th><th colspan="4">HYDROLOGIC SOIL GROUP</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>FLAT (0-2%)</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>AVERAGE (2-6%)</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>STEEP (>6%)</td><td>-</td><td>6.77</td><td>-</td><td>-</td></tr><tr><td>SURFACING</td><td colspan="2">PERVIOUS</td><td colspan="2">IMPERVIOUS</td></tr><tr><td>HARDSCAPE</td><td colspan="2"></td><td colspan="2">0.14</td></tr></table>				SLOPE	HYDROLOGIC SOIL GROUP				A	B	C	D	FLAT (0-2%)	-	-	-	-	AVERAGE (2-6%)	-	-	-	-	STEEP (>6%)	-	6.77	-	-	SURFACING	PERVIOUS		IMPERVIOUS		HARDSCAPE			0.14		t= 86,400 SEC.	
SLOPE	HYDROLOGIC SOIL GROUP																																										
	A	B	C	D																																							
FLAT (0-2%)	-	-	-	-																																							
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SURFACING	PERVIOUS		IMPERVIOUS																																								
HARDSCAPE			0.14																																								
NOTE: FOR THE 100 YR RECURRENCE INTERVAL, THE COMPOSITE "C" VALUE IS ADJUSTED BY A FACTOR OF 1.25 BEFORE COMPUTING Q.								V= 19,551 CU FT																																			
STORM DURATION: 24 Hour.																																											
SOURCE: NOAA ATLAS 14 - PARK CITY RADIO STATION 42-6648																																											
VARIABLES				POST-DEVELOPMENT PEAK DISCHARGE																																							
Q = RUNOFF FLOWRATE [CUBIC FEET/SEC]				AREAS FOR WEIGHT AVERAGE "C":																																							
C = RUNOFF COEFFICIENT				<table><tr><th rowspan="2">SLOPE</th><th colspan="4">HYDROLOGIC SOIL GROUP</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr><tr><td>FLAT (0-2%)</td><td>0.07</td><td>0.10</td><td>0.14</td><td>0.18</td></tr><tr><td>AVERAGE (2-6%)</td><td>0.12</td><td>0.15</td><td>0.19</td><td>0.23</td></tr><tr><td>STEEP (>6%)</td><td>0.16</td><td>0.21</td><td>0.27</td><td>0.33</td></tr><tr><td>SURFACING</td><td colspan="2">PERVIOUS</td><td colspan="2">IMPERVIOUS</td></tr><tr><td>HARDSCAPE</td><td colspan="2">0.78</td><td colspan="2">0.93</td></tr></table>				SLOPE	HYDROLOGIC SOIL GROUP				A	B	C	D	FLAT (0-2%)	0.07	0.10	0.14	0.18	AVERAGE (2-6%)	0.12	0.15	0.19	0.23	STEEP (>6%)	0.16	0.21	0.27	0.33	SURFACING	PERVIOUS		IMPERVIOUS		HARDSCAPE	0.78		0.93			
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(WEIGHT AVERAGE BY SOIL GROUP AND AREA TYPE)				A= 6.91 ACRES																																							
RUNOFF COEFFICIENTS "C":				C= 0.22				Q= 0.25 CFS																																			
				C _{ADJ} = 0.28																																							
				i= 0.13 IN/HR																																							
SLOPE				SLOPE																																							

THE EXISTING DETENTION POND IN EMPIRE CANYON, SOUTH OF DALY AVENUE, WAS DESIGNED TO ACCOMMODATE INCREASE IN STORMWATER FOR THE ENTIRE EMPIRE PASS DEVELOPMENT. THE DETENTION POND WAS CONSTRUCTED IN THE MID 2000'S. THE POND RECEIVES STORMWATER RUNOFF FROM THE ROCK-LINED STREAM CHANNEL SOUTH OF THE DETENTION POND AS WELL AS A PIPING SYSTEM ALONG THE EXISTING DIRT ROAD FROM EMPIRE CANYON TO THE ONTARIO MINE.

THE EMPIRE PASS MASTER DETENTION POND HAS OUTLET CONTROL STRUCTURES DESIGNED TO RETAIN THE 2 YEAR 24 HOUR STORM FOR WATER QUALITY REQUIREMENTS AND TO DETAIN THE 50 AND 100 YEAR STORM EVENTS WITH OUTFLOW AT PRE-DEVELOPMENT RATES. THE 19,551 CU FT OF EXCESS RUNOFF PRODUCED BY THE SOMMET BLANC DEVELOPMENT WILL BE FULL DETAINED IN THE EMPIRE CANYON DETENTION POND.

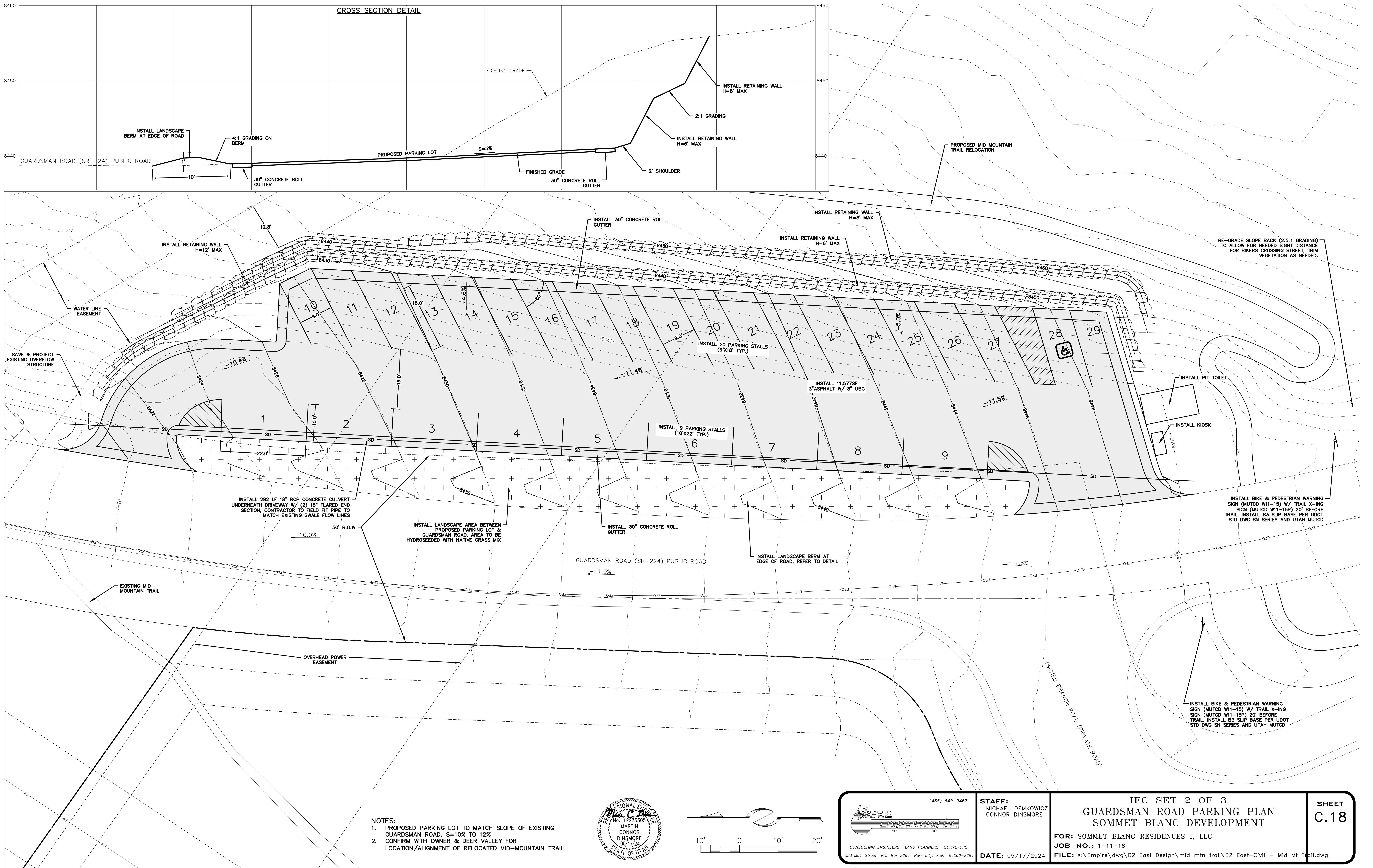


STAFF:
MICHAEL DEMKOWICZ
CONNOR DINSMORE

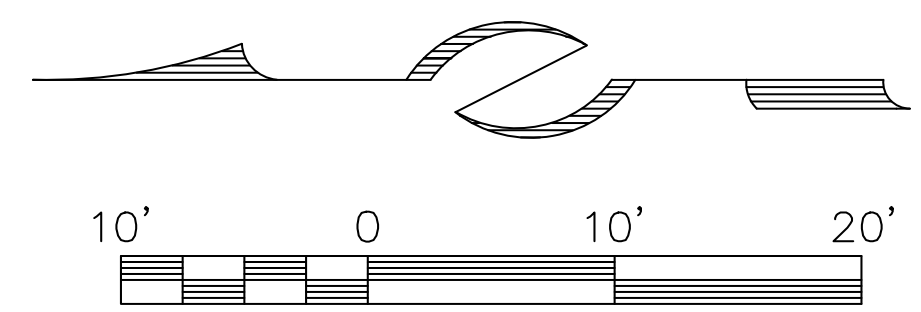
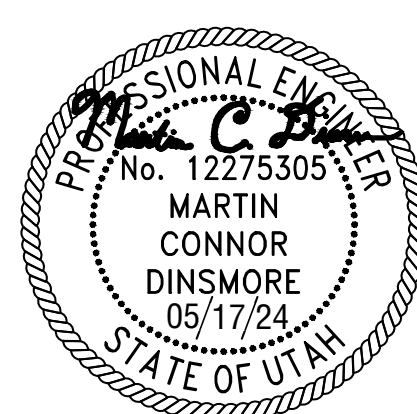
IFC SET 2 OF 3
STORMWATER CALCULATIONS
SOMMET BLANC DEVELOPMENT
FOR: SOMMET BLANC RESIDENCES I, LLC
JOB NO.: 1-11-18
FILE: X:\Empire.dwg\B2 East Design\B2 East-Civil.dwg

DATE: 05/17/2024

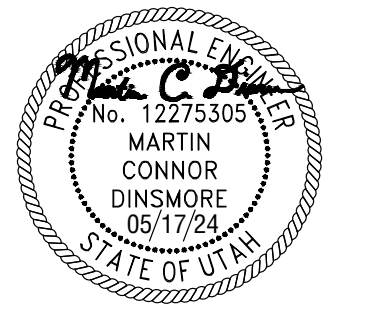
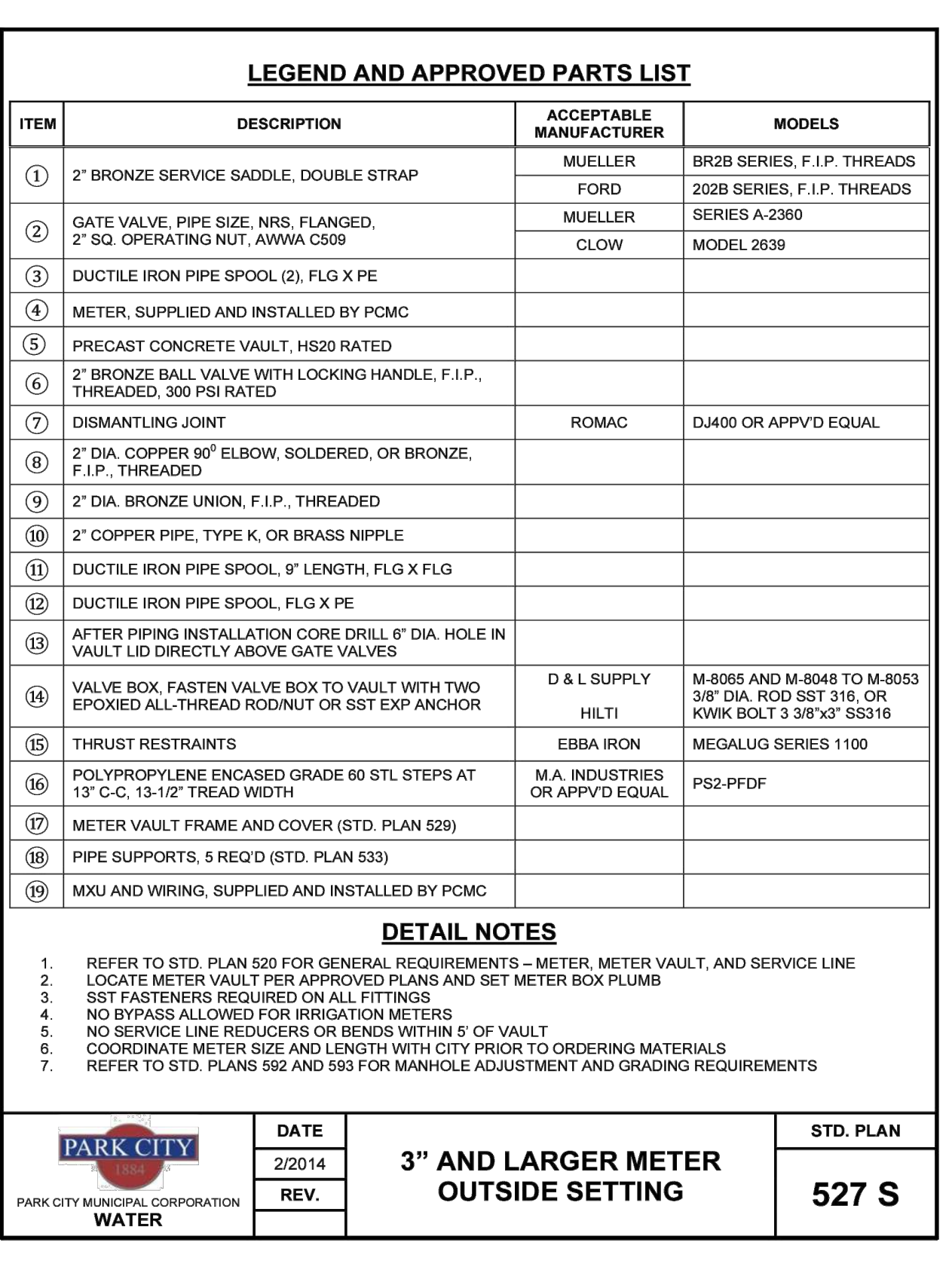
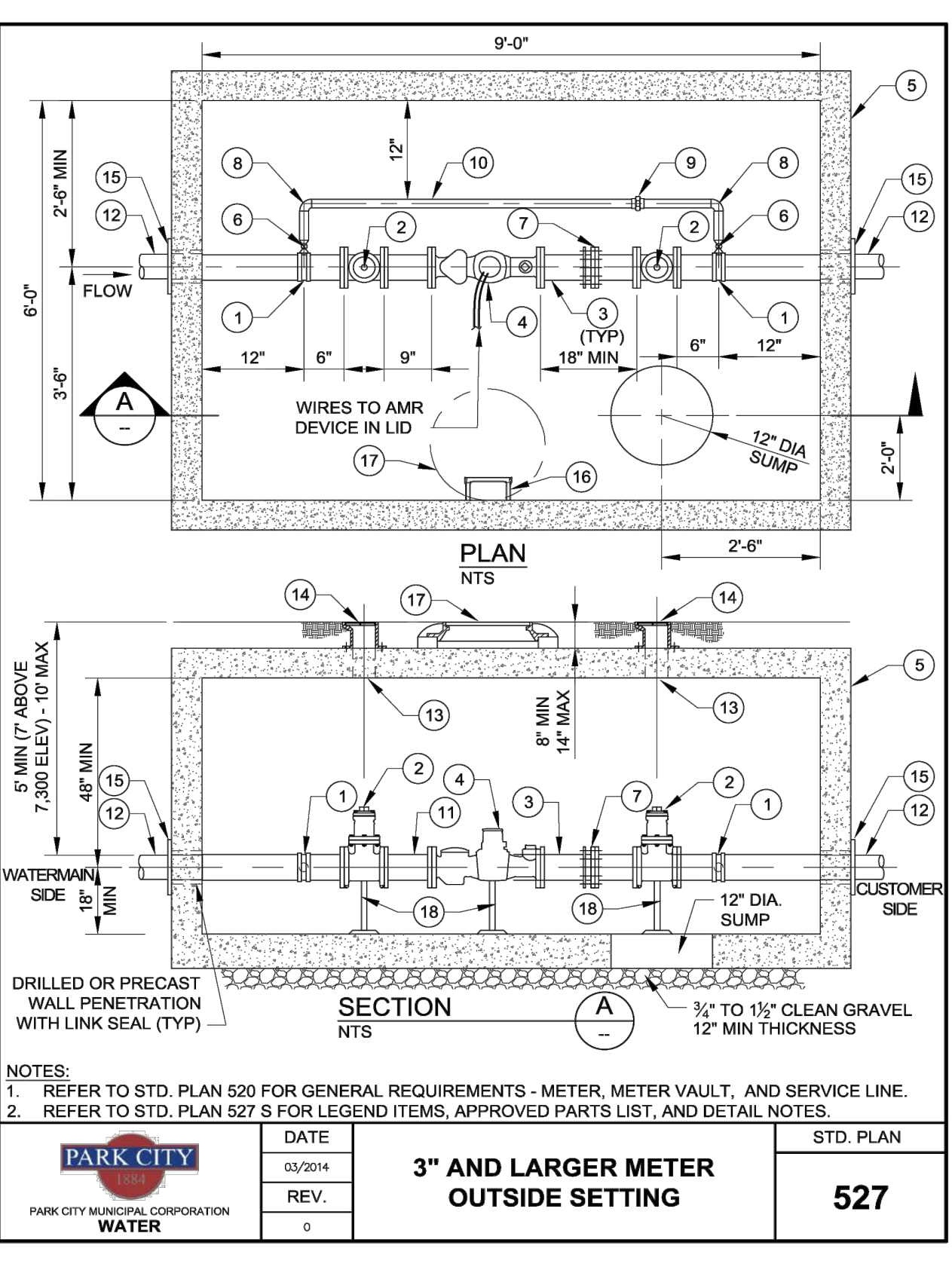
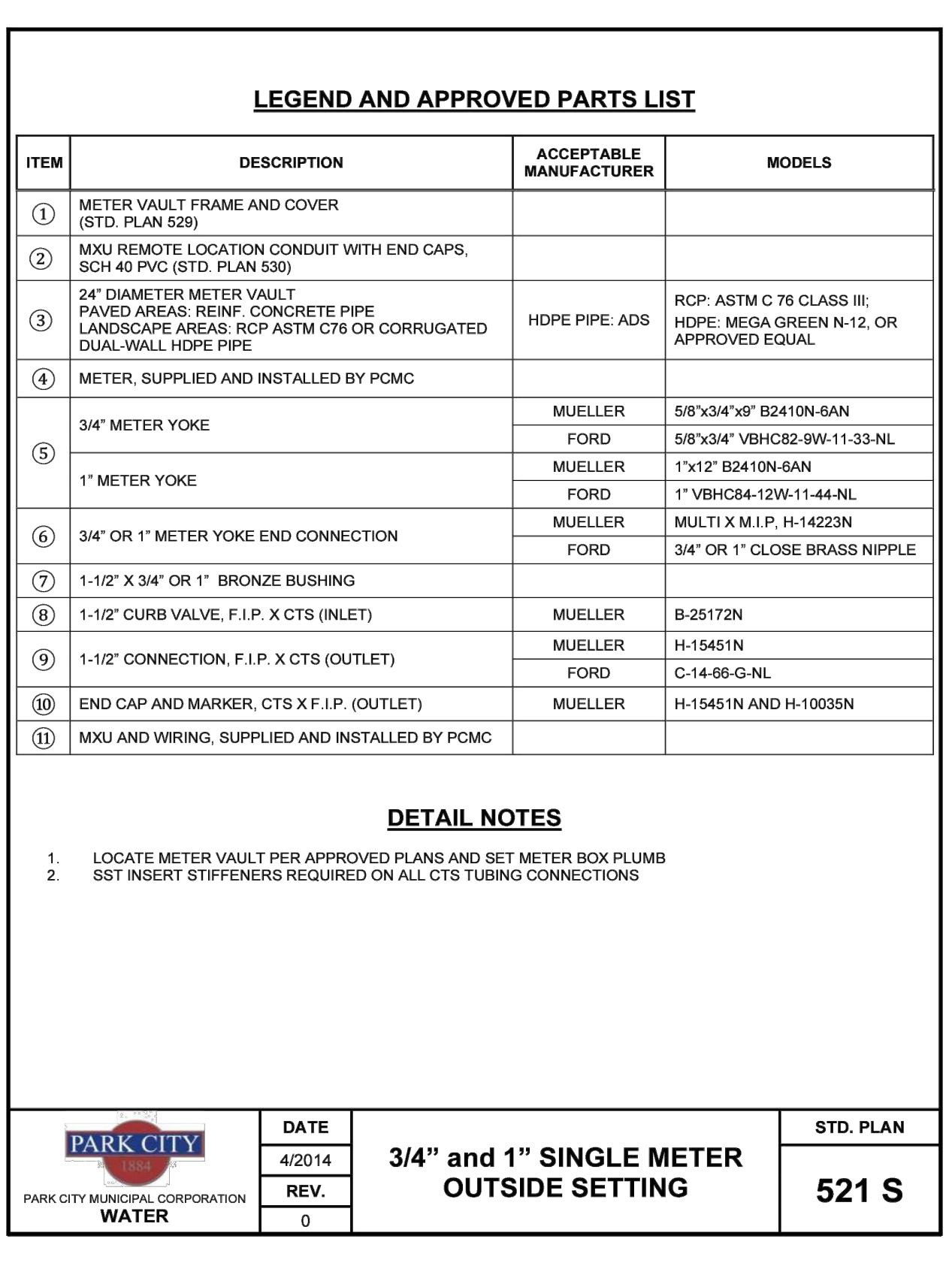
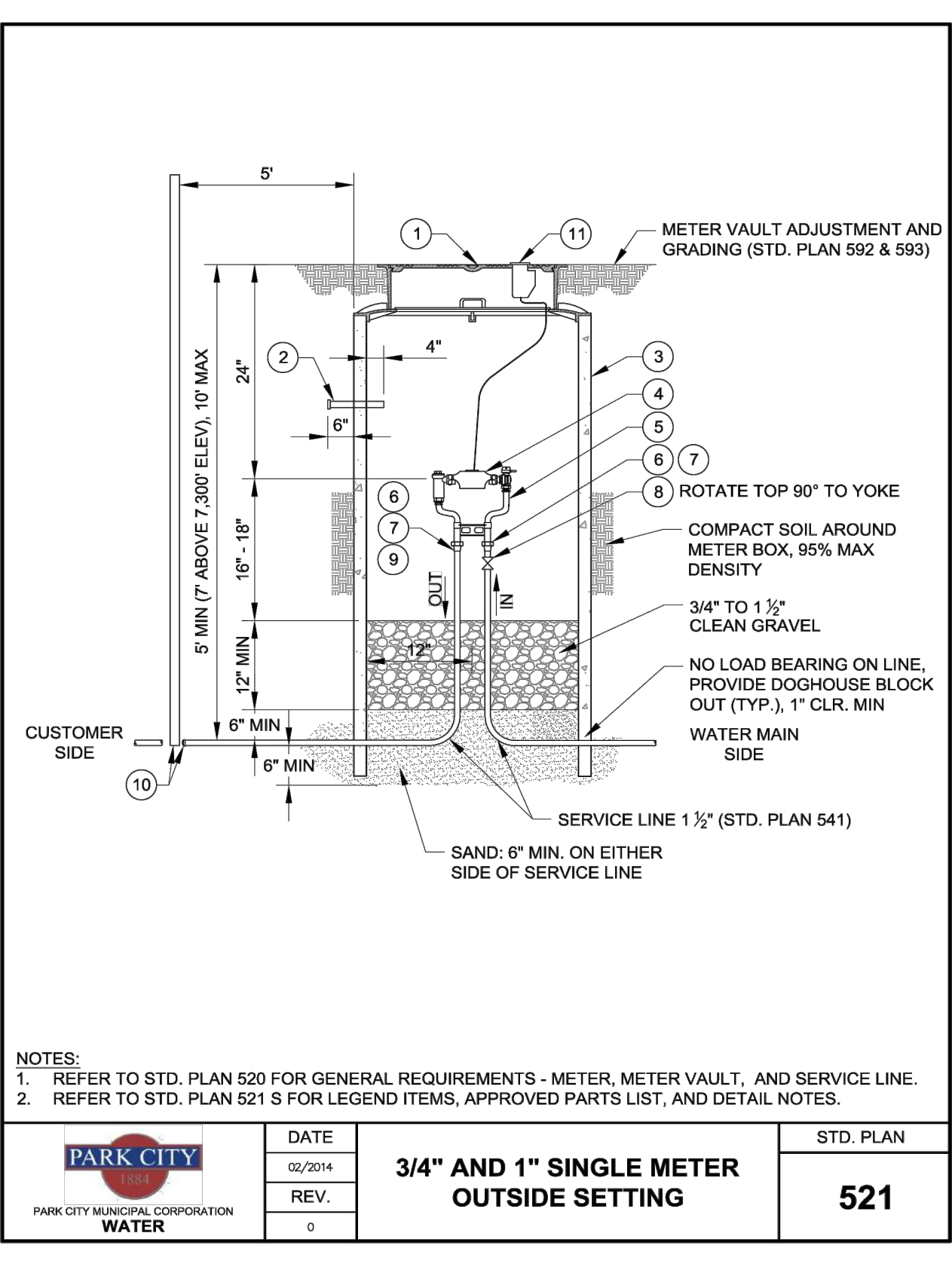
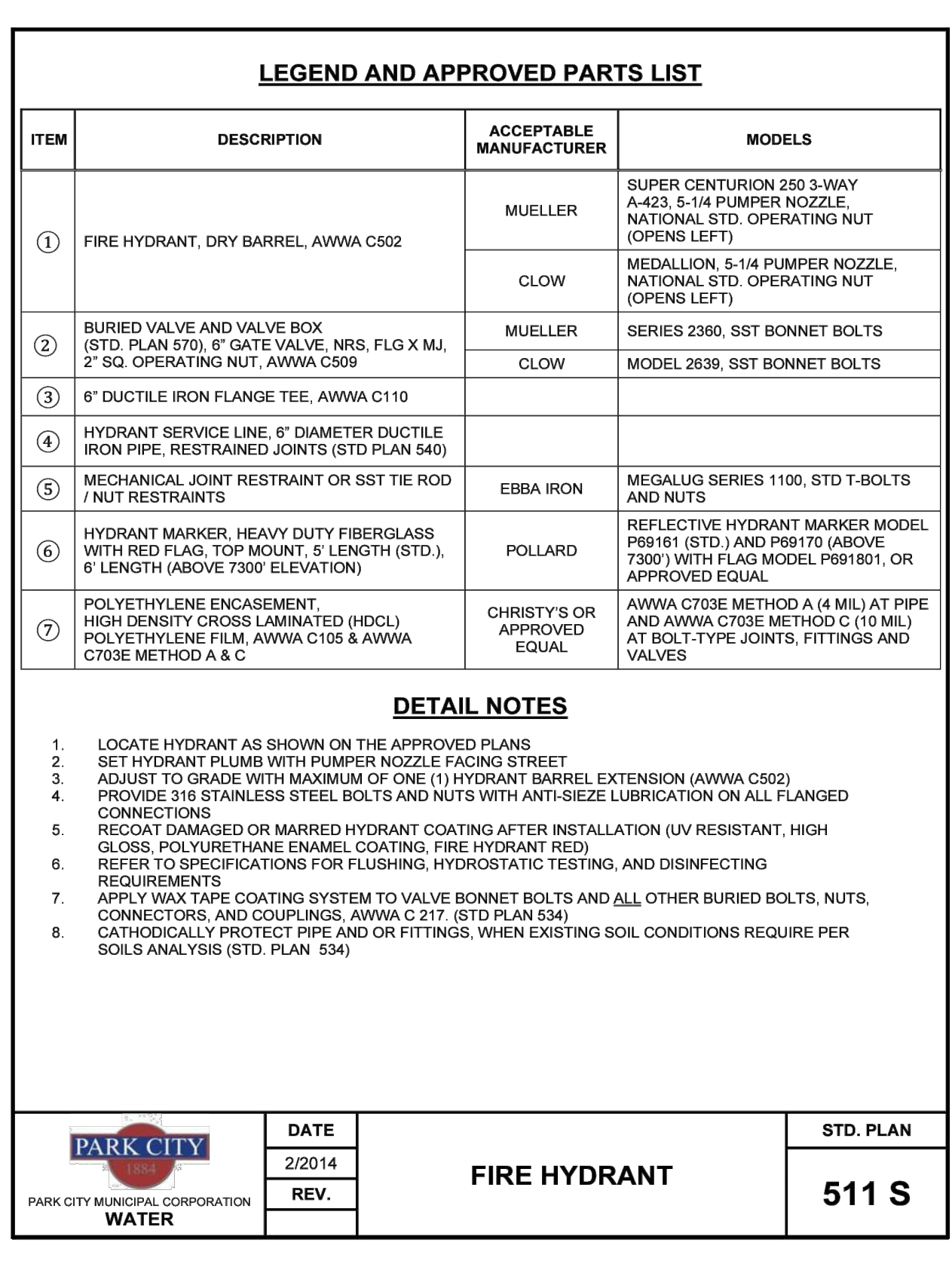
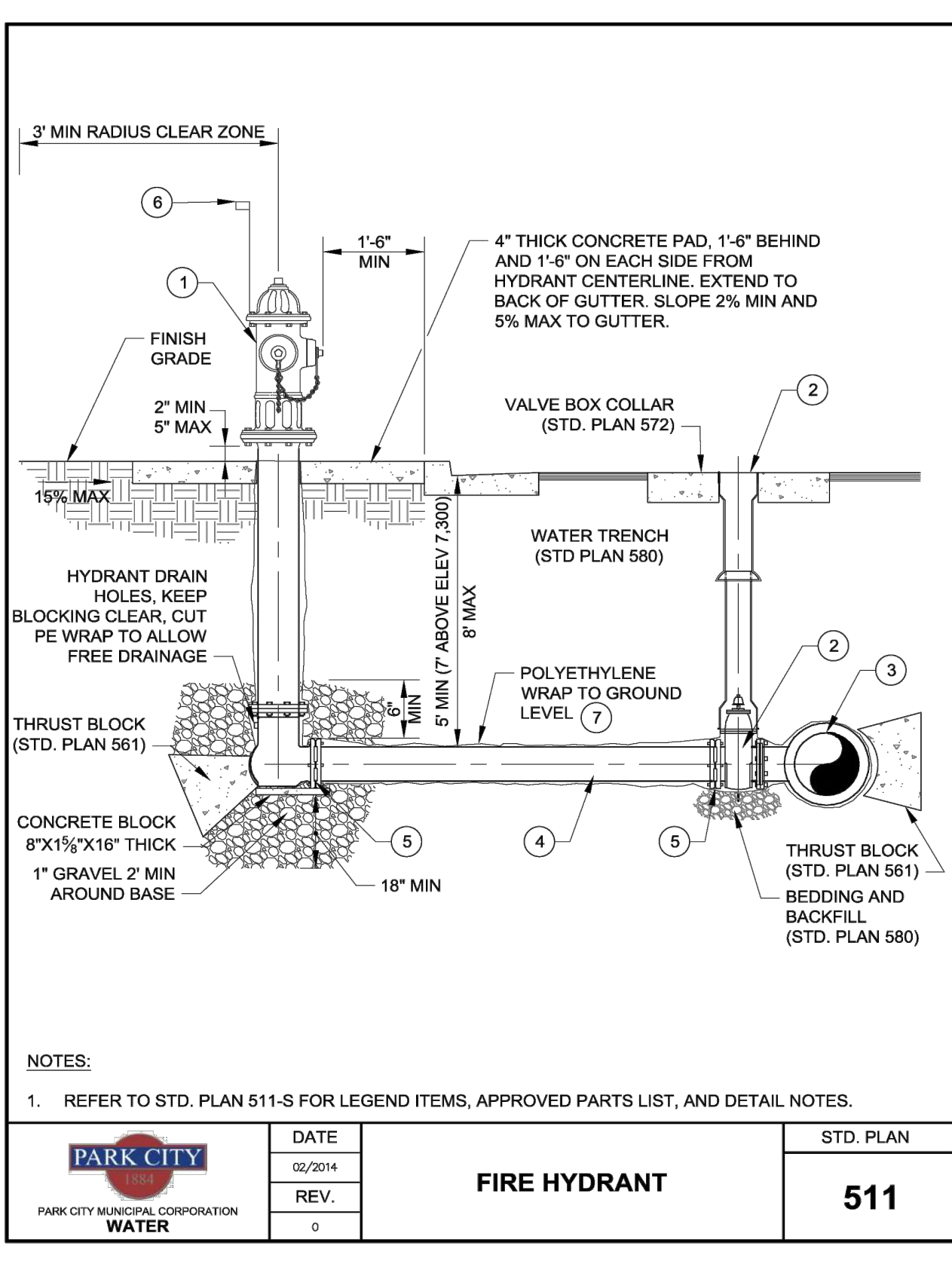
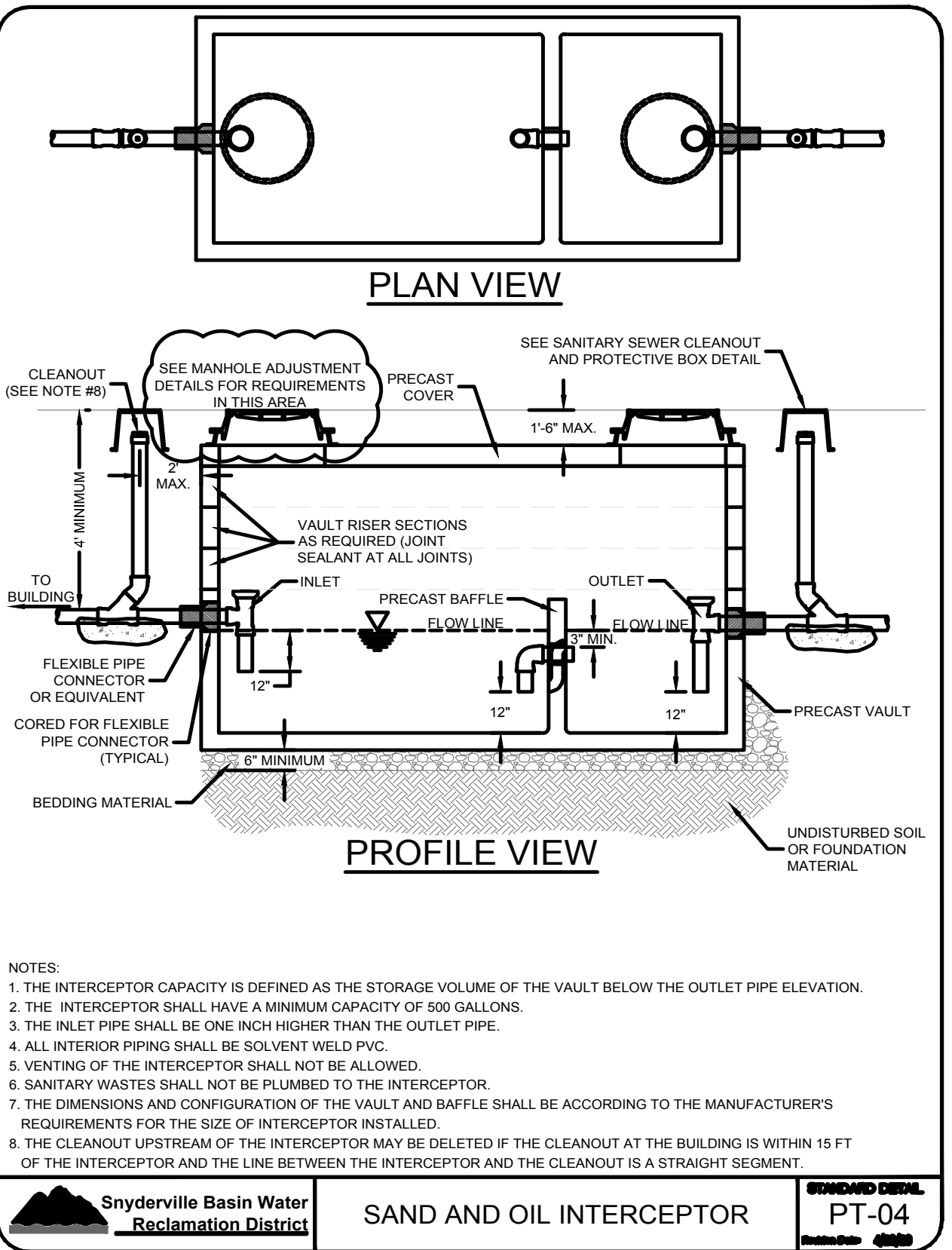
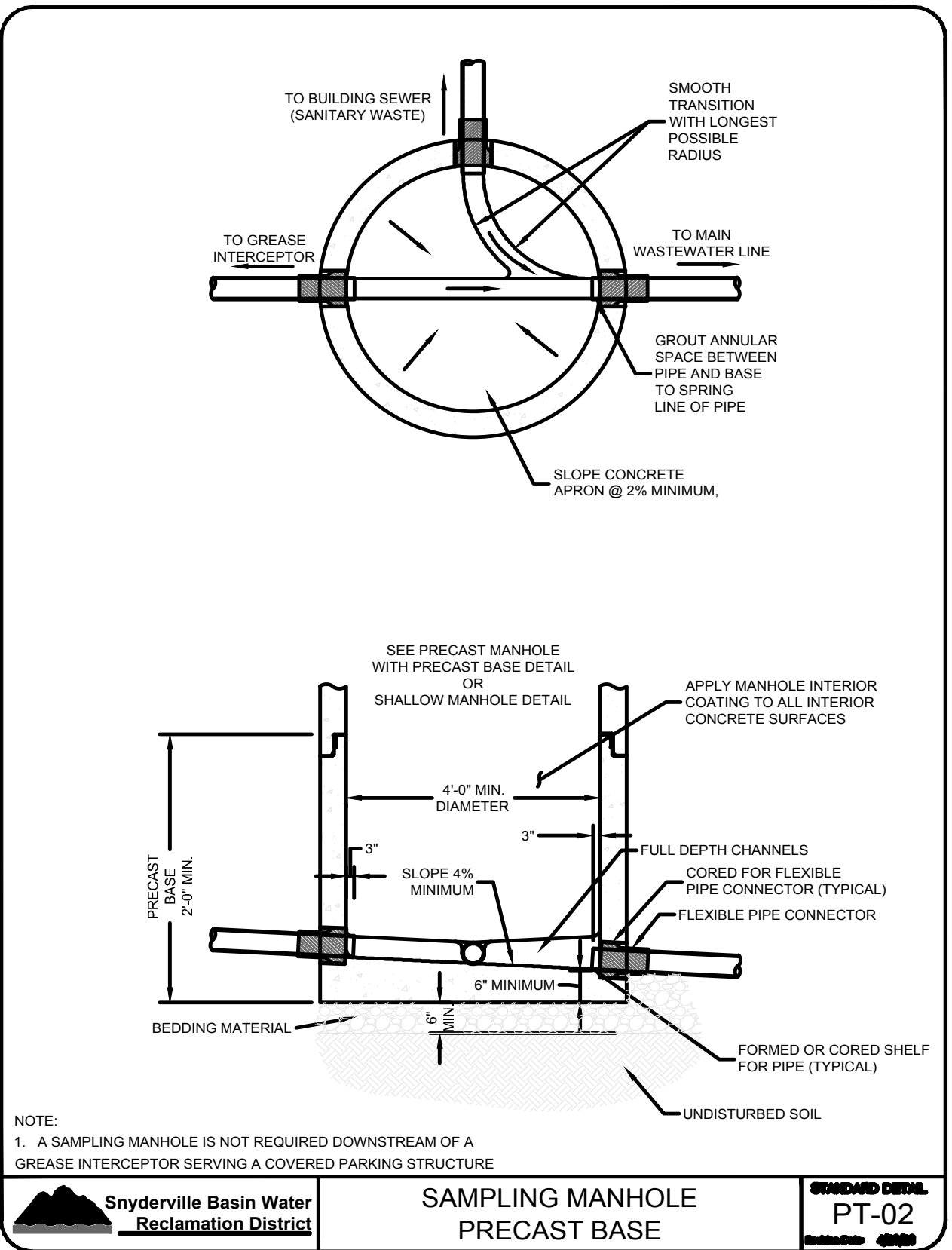
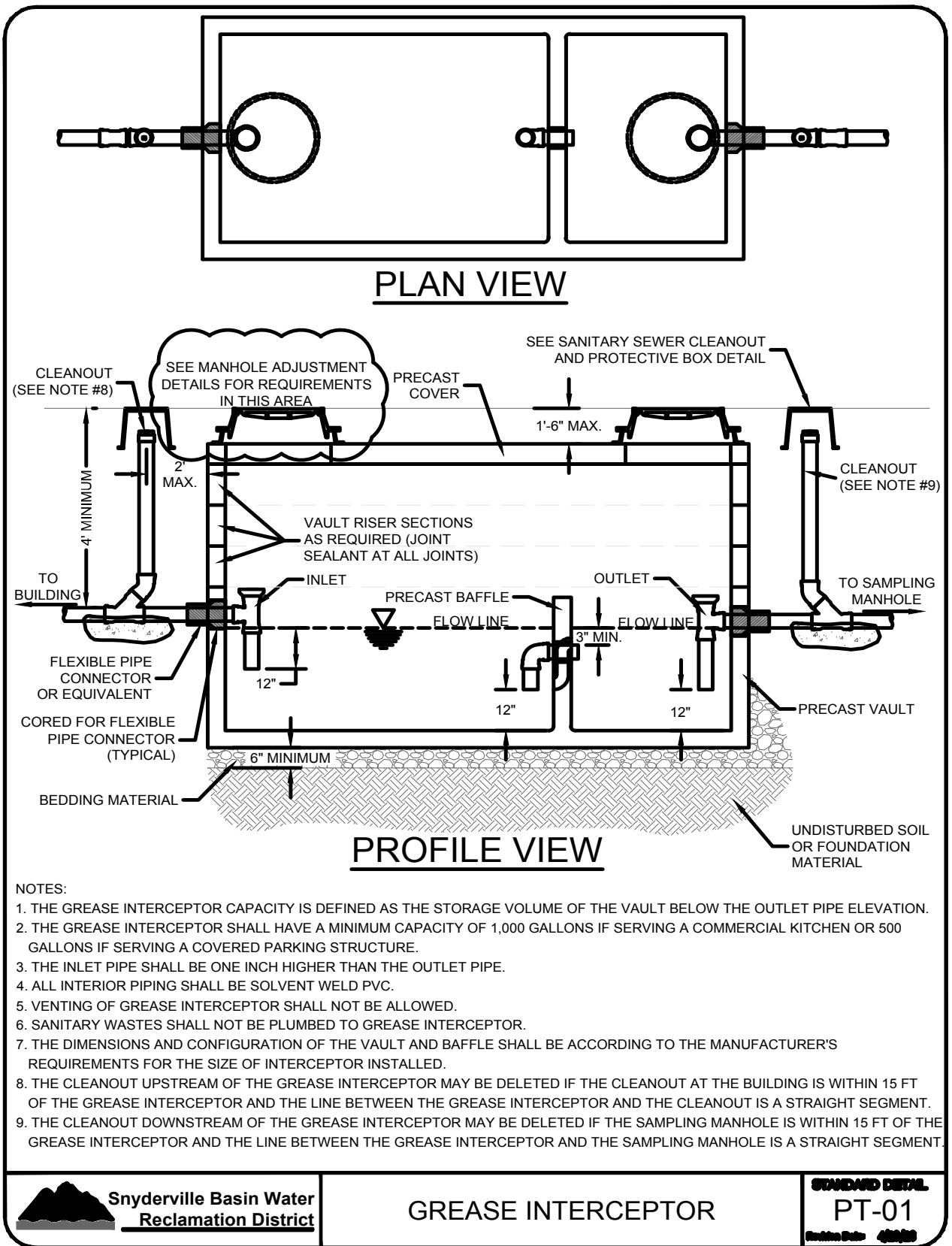
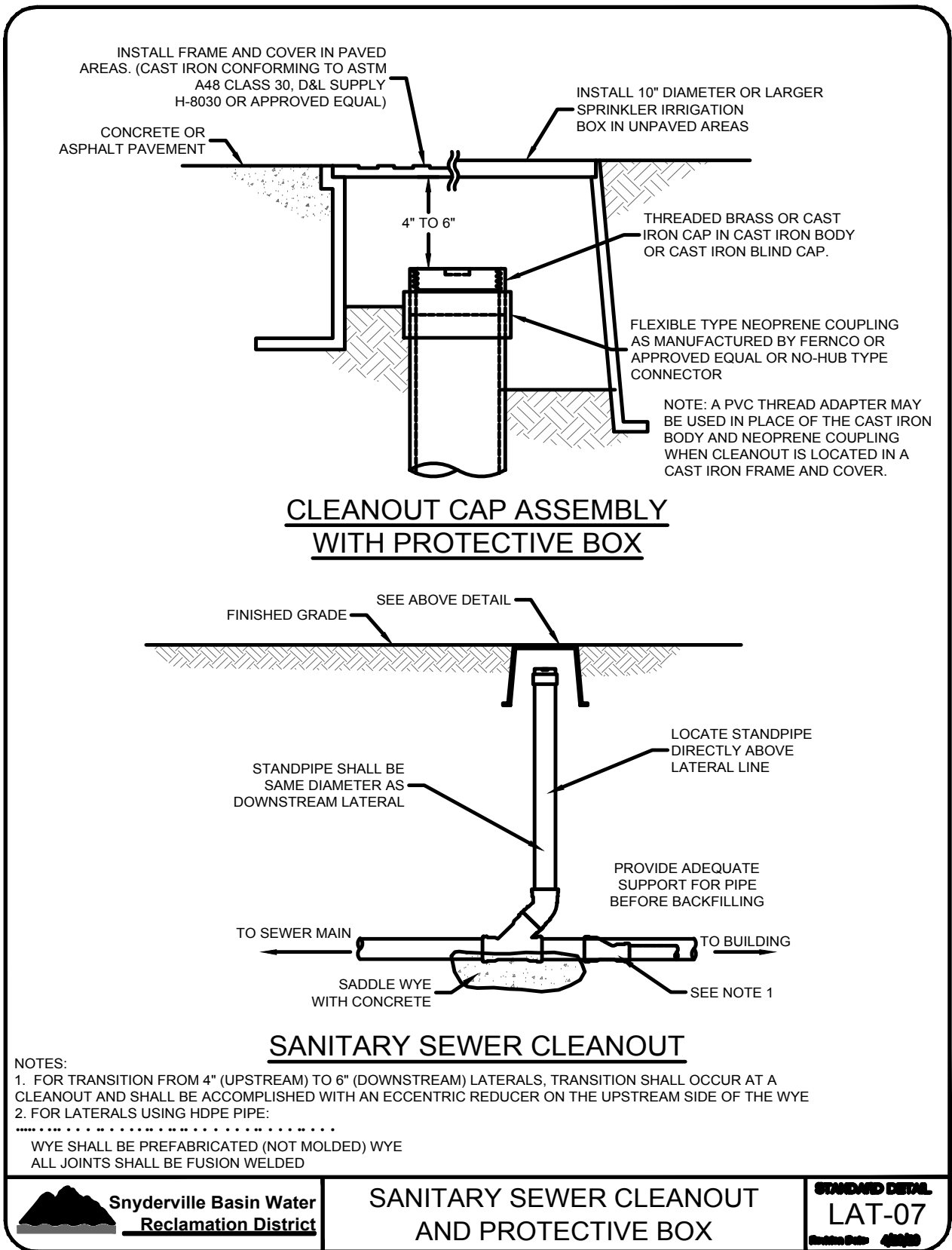
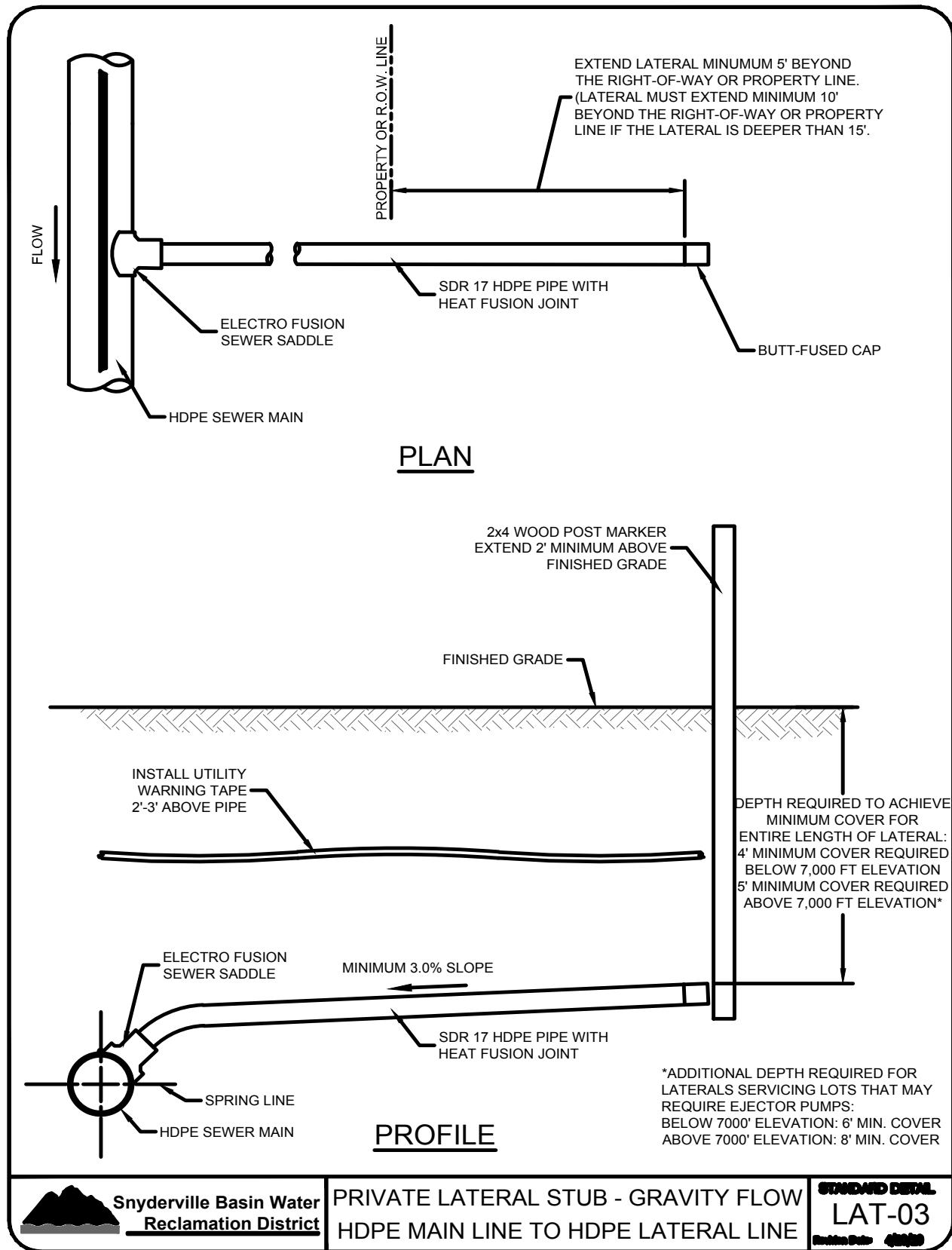
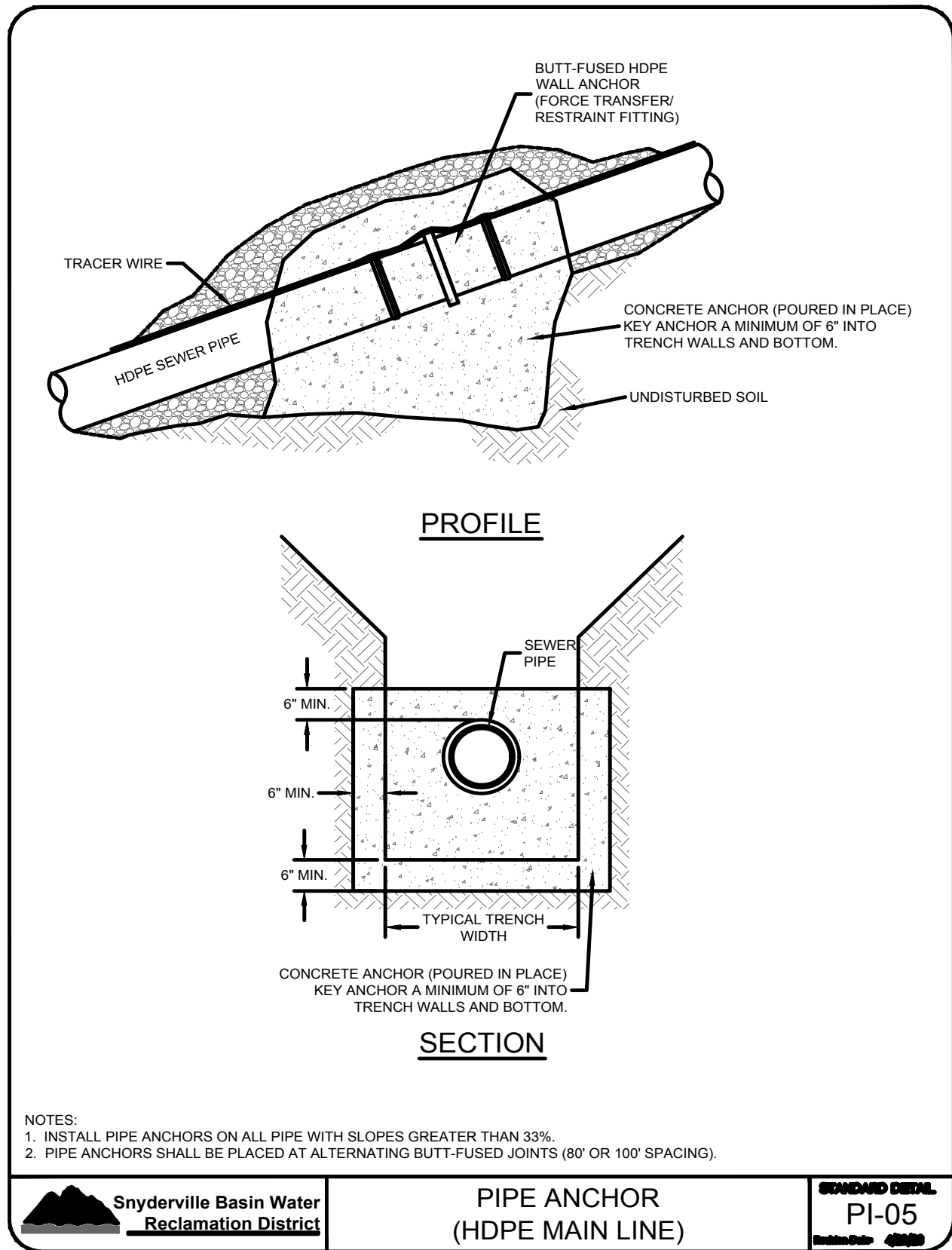
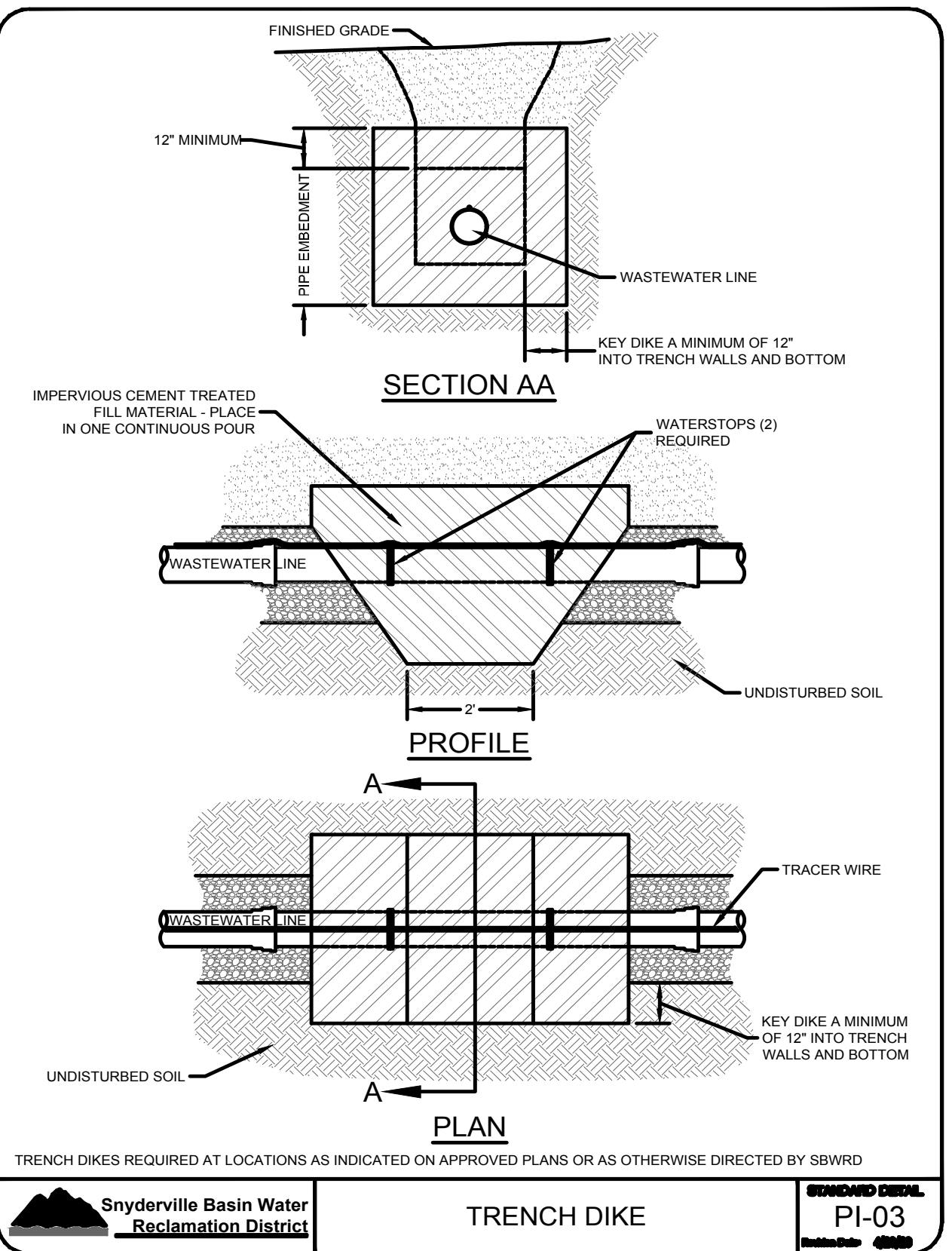
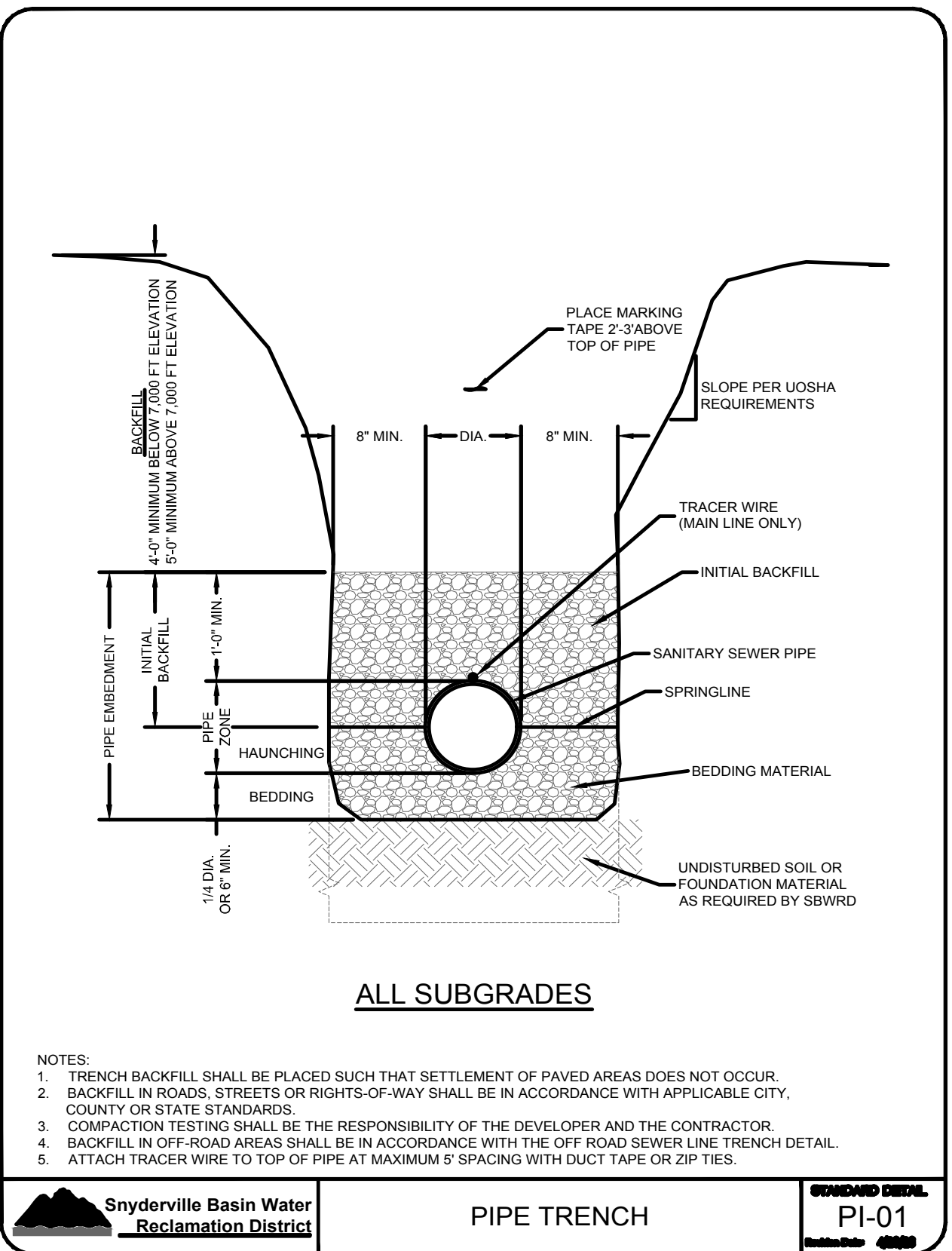
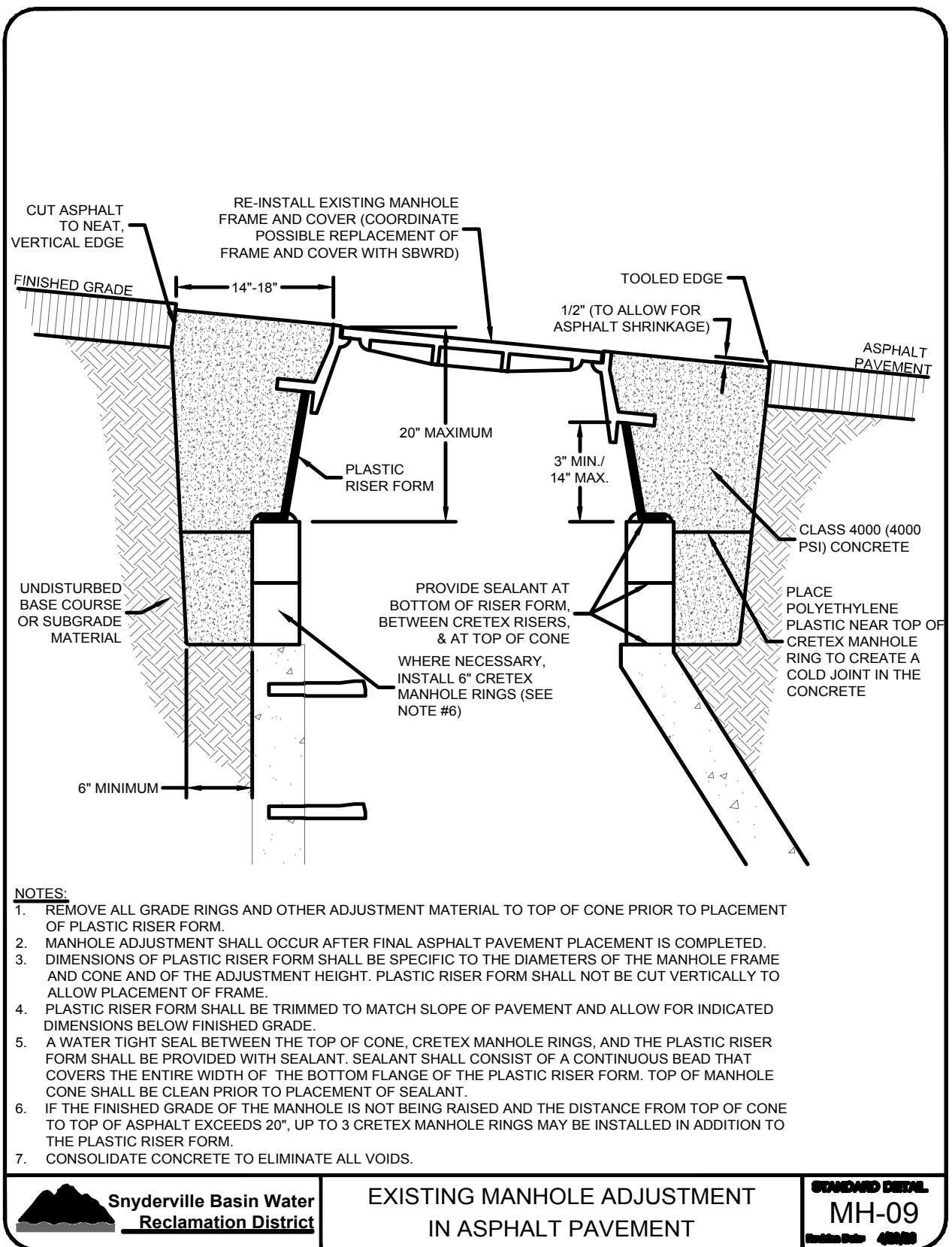
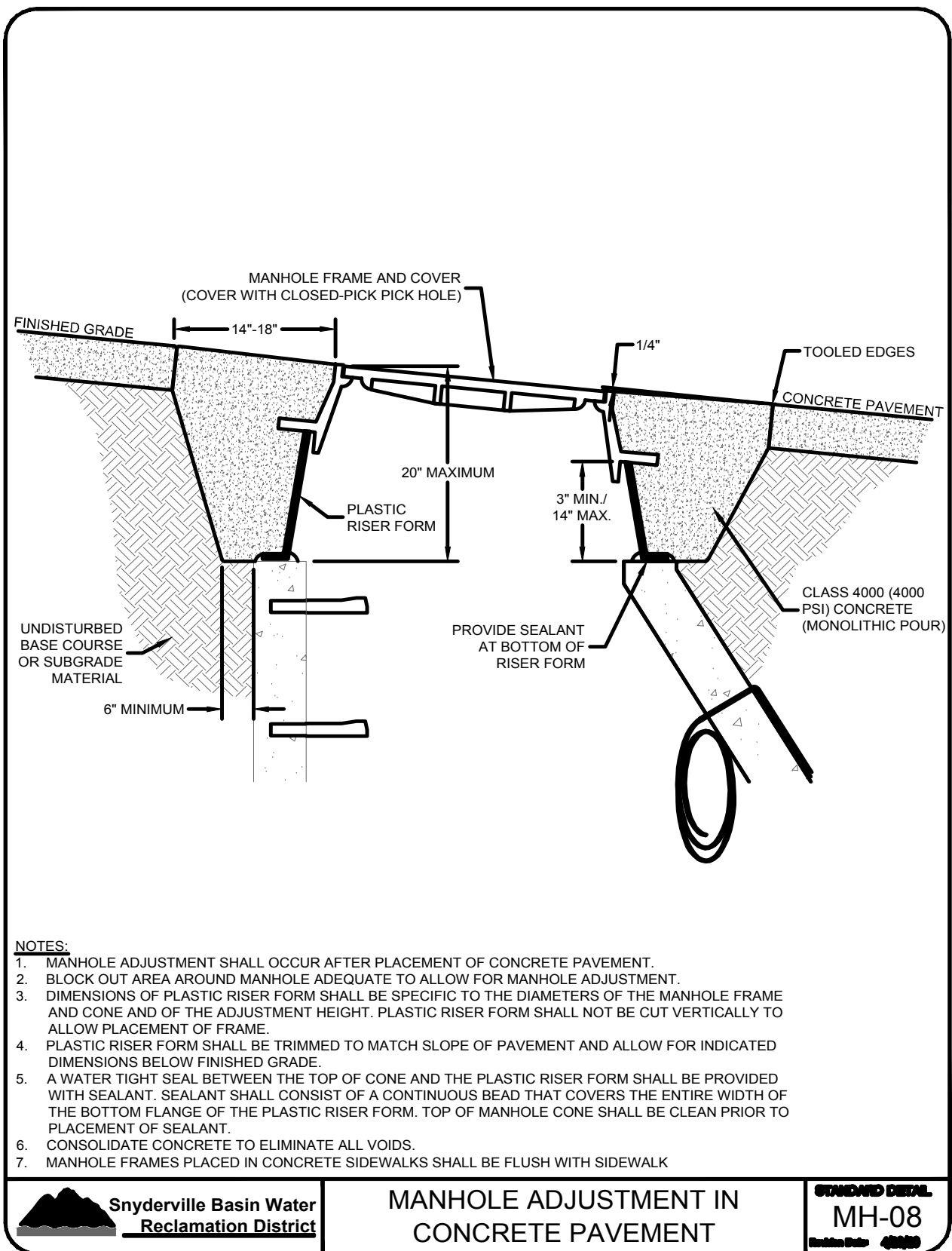
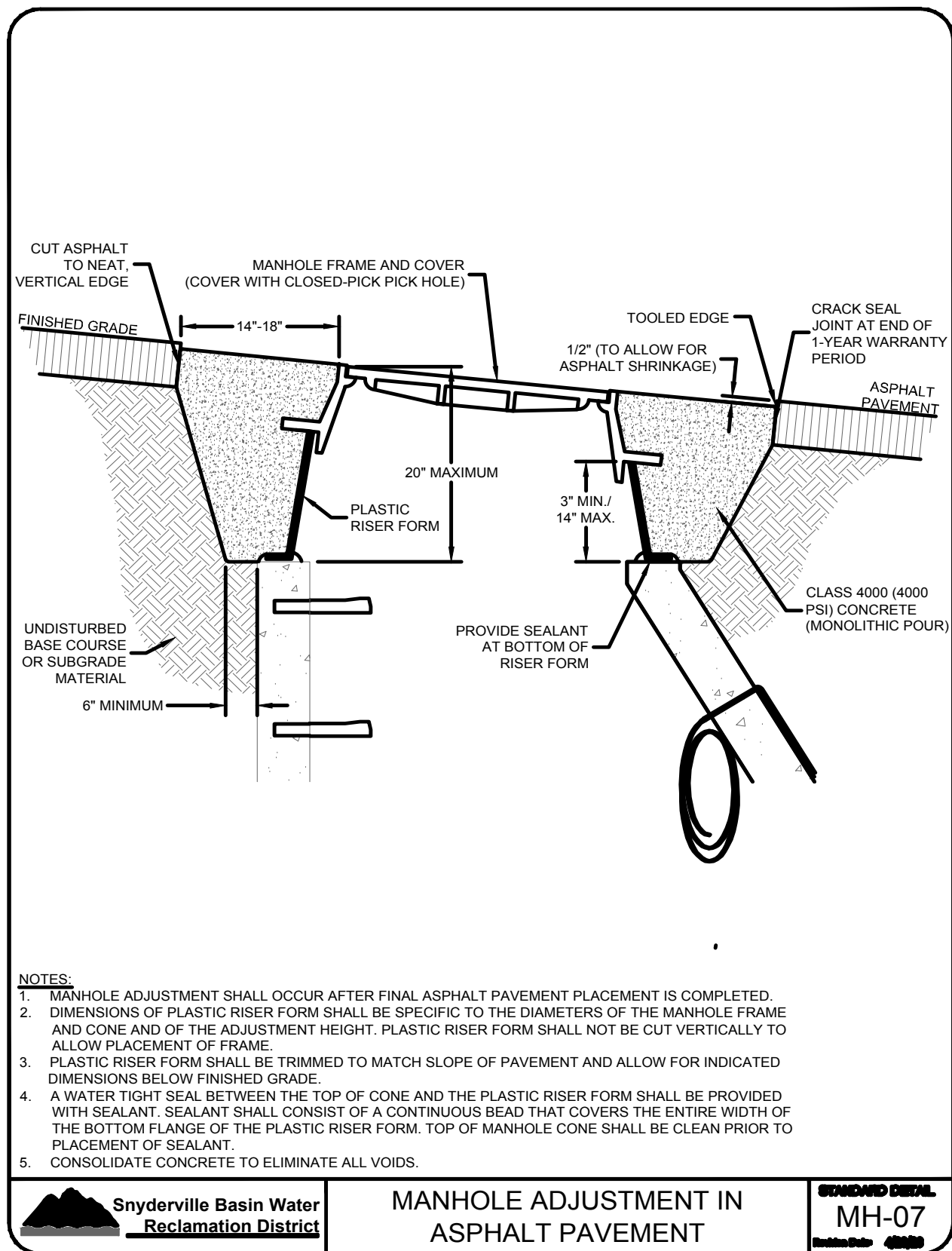
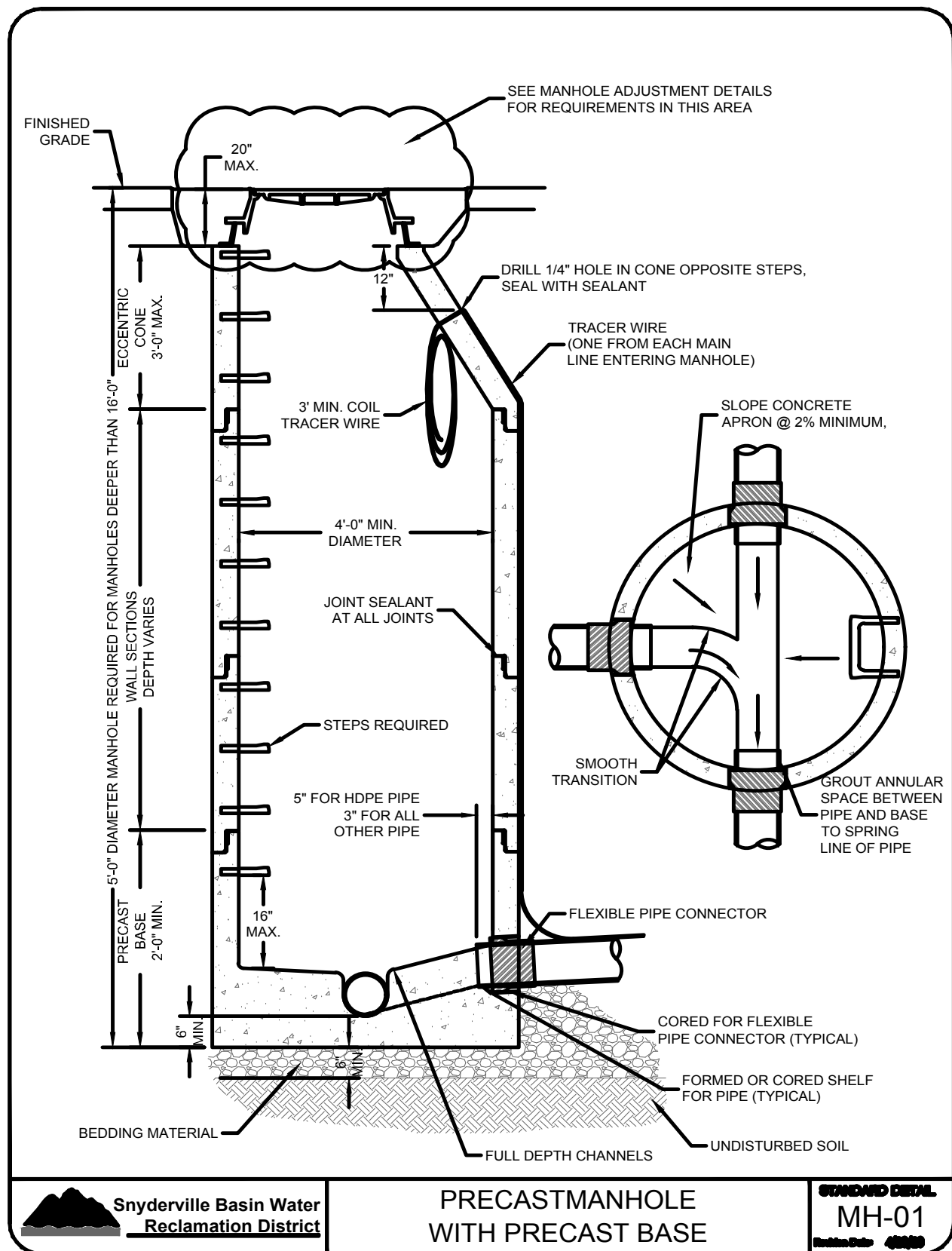
SHEET
C.16



NOTES:
1. PROPOSED PARKING LOT TO MATCH SLOPE OF EXISTING GUARDSMAN ROAD, S=10% TO 12%
2. CONFIRM WITH OWNER & DEER VALLEY FOR LOCATION/ALIGNMENT OF RELOCATED MID-MOUNTAIN TRAIL



 CONSULTING ENGINEERS LAND PLANNERS SURVEYORS 323 Main Street P.O. Box 2664 Park City, Utah 84060-2664	(435) 649-9467	STAFF: MICHAEL DEMKOWICZ CONNOR DINSMORE	IFC SET 2 OF 3 GUARDSMAN ROAD PARKING PLAN SOMMET BLANC DEVELOPMENT	SHEET C.18
			FOR: SOMMET BLANC RESIDENCES I, LLC	
			JOB NO.: 1-11-18	
			FILE: X:\Empire\dwg\B2 East Design\mid mtn trail\B2 East-Civil - Mid Mt Trail.dwg	
DATE: 05/17/2024				



(435) 649-9467
Alfonse
 CONSULTING ENGINEERS LAND PLANNERS SURVEYORS
 123 Main Street P.O. Box 2664 Park City, Utah 84060-2664

STAFF:
 MICHAEL DEMKOWICZ
 CONNOR DINSMORE

IFC SET 2 OF 3
 DETAILS 1/2
 SOMMET BLANC DEVELOPMENT
 FOR: SOMMET BLANC RESIDENCES I, LLC
 JOB NO.: 1-11-18
 FILE: X:\Empire\dwg\B2 East Design\B2 East-Civil.dwg

SHEET
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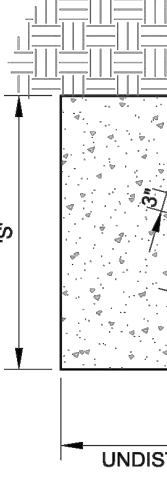
LEGEND AND APPROVED PARTS LIST			
ITEM	DESCRIPTION	ACCEPTABLE MANUFACTURERS	MODELS
①	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
②	POLYVINYL CHLORIDE (PVC) C100, C101, C104, 8" THROUGH 36" DIAMETER	JM DARGE (I)	STANDARD JOINT PIPE TRUST-LUCK TRUST-LUCK
③	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, FLANGE, 150 LB. FLANGE OR BRIG-LINE FLANGE, ASPHALTIC EXTERIOR COATING, AWWA C107, C108	U.S. PIPE (F) PACIFIC STATES (F)	BULK OR SITE FITTING FLYING JOINT FLANGE FITTING
④	FLANGES AWWA C107, C108, CLASS 150, FLANGE WITH 150 LB. FLANGE OR BRIG-LINE FLANGE	U.S. PIPE (F) PACIFIC STATES (F)	TRUST-LUCK TRUST-LUCK TRUST-LUCK
⑤	STEEL PIPE - DUCTILE IRON MECHANICAL JOINT PIPE WITH 150 LB. FLANGE OR BRIG-LINE FLANGE, NUT, POLYETHYLENE ENCASEMENT, HIGH TENSILE CORROSION RESISTANT, AWWA C200, C201, C202, C203, C204, AWWA C205, C206, C207, C208	EMBA (R)	FITTINGS, MECHANICAL JOINT FLYING JOINT FLANGE FITTING MECHANICAL JOINT SERIES 100, STD. T-B, 100 TO 150
⑥	POLYETHYLENE ENCASEMENT, HIGH TENSILE CORROSION RESISTANT, AWWA C200, C201, C202, C203, C204, AWWA C205, C206, C207, C208	AWMA CORP. (F)	AWMA CORP. METHOD A OR MELT PIPE AND AWWA CORP. METHOD C FITTINGS, AND VALVES
⑦	DUCTILE IRON COATING, PAINT, GALV. METAL, ALUMINUM, GALVANIZED, BLACK BACKGROUND, BLACK BACKGROUND	SETON (I)	8525
⑧	TRACER WIRE, 1/4" O.D. SOLID, BLUE PVC INSULATION, 100' MIN. CONDUCTIVITY, 100' MIN. RESISTANCE	CONNECTIONS INDUSTRIES	TRACER DR. PLUS OR OPT'D. EQUAL
⑨	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
⑩	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
⑪	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
⑫	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
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⑮	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
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⑰	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
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㉑	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
㉒	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
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㊽	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
㊾	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
㊿	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
1	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
2	POLYVINYL CHLORIDE (PVC) C100, C101, C104, 8" THROUGH 36" DIAMETER	JM DARGE (I)	STANDARD JOINT PIPE TRUST-LUCK TRUST-LUCK
3	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, FLANGE, 150 LB. FLANGE OR BRIG-LINE FLANGE, ASPHALTIC EXTERIOR COATING, AWWA C107, C108	U.S. PIPE (F) PACIFIC STATES (F)	BULK OR SITE FITTING FLYING JOINT FLANGE FITTING
4	FLANGES AWWA C107, C108, CLASS 150, FLANGE WITH 150 LB. FLANGE OR BRIG-LINE FLANGE	U.S. PIPE (F) PACIFIC STATES (F)	TRUST-LUCK TRUST-LUCK TRUST-LUCK
5	STEEL PIPE - DUCTILE IRON MECHANICAL JOINT PIPE WITH 150 LB. FLANGE OR BRIG-LINE FLANGE, NUT, POLYETHYLENE ENCASEMENT, HIGH TENSILE CORROSION RESISTANT, AWWA C200, C201, C202, C203, C204, AWWA C205, C206, C207, C208	EMBA (R)	FITTINGS, MECHANICAL JOINT FLYING JOINT FLANGE FITTING MECHANICAL JOINT SERIES 100, STD. T-B, 100 TO 150
6	POLYETHYLENE ENCASEMENT, HIGH TENSILE CORROSION RESISTANT, AWWA C200, C201, C202, C203, C204, AWWA C205, C206, C207, C208	AWMA CORP. (F)	AWMA CORP. METHOD A OR MELT PIPE AND AWWA CORP. METHOD C FITTINGS, AND VALVES
7	DUCTILE IRON COATING, PAINT, GALV. METAL, ALUMINUM, GALVANIZED, BLACK BACKGROUND, BLACK BACKGROUND	SETON (I)	8525
8	TRACER WIRE, 1/4" O.D. SOLID, BLUE PVC INSULATION, 100' MIN. CONDUCTIVITY, 100' MIN. RESISTANCE	CONNECTIONS INDUSTRIES	TRACER DR. PLUS OR OPT'D. EQUAL
9	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
10	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
11	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
12	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
13	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
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15	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
16	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
17	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
18	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
19	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
20	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
21	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
22	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
23	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
24	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
25	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
26	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
27	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
28	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
29	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
30	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
31	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
32	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
33	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
34	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
35	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
36	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
37	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
38	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
39	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
40	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
41	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
42	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
43	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
44	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
45	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
46	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT MORTAR LINING, ASPHALTIC EXTERIOR COATING, AWWA C100, C101, C104	U.S. PIPE (F) PACIFIC STATES (F)	STANDARD JOINT PIPE, PUSH ON JOINT TRUST-LUCK TRUST-LUCK TRUST-LUCK
47	DUCTILE IRON PIPE, 30" TO 36" DIAMETER, PRESSURE CLASS 500; CEMENT M		

LEGEND AND APPROVED PARTS LIST			
ITEM	DESCRIPTION	ACCEPTABLE MANUFACTURER	MODELS
		MULLER	DLS AC FIBER, 3000 SERIES 1-1/2" SERVICE, 34" DIA 2- SERVICE, 34" DIA 2- SERVICE, 34" DIA 1-1/2" SERVICE, 20" DIA 2- SERVICE, 20" DIA
1	BRONZE SERVICE SADDLE	FORD	DLS AC, STYLE 2028 1-1/2" SERVICE, 34" DIA 2- SERVICE, STYLE 5902, 34" DIA 2- SERVICE, STYLE 5902, 34" DIA
2	DLS AC PIPE, DOUBLE STIFF POLY-PIRE, 34" DIA	MULLER	E-3000N
3	BRASS CORPORATION STOP, INLET CO THREADED, 1/2" METRIC CO THREADED	FORD	FBI TO SERVICE SIZES-34"
4	POLYETHYLENE ENCASEMENT, HIGH DENSITY GROSS LAMINATED, 100% POLYETHYLENE 1/4" DIA, 6' LENGTH	CHRYSTIE OR APPROVED	CHRYSTIE OR APPROVED METHOD C (4" DIA)
5	DETECTABLE UNDERGROUND MARKING TAP, 3/8" MINIMUM ALUMINUM BRONZE, BLUE BACKGROUND	SECTON OR APPROVED	6555
6	WATER SERVICE LINE, HIGH-DENSITY POLYETHYLENE 1-1/2" DIA, SERVICE, 34" DIA & SINGLE METERS 1-1/2" DIA, SERVICE, 34" DIA & 1/4" DIA METERS 2" DIA, SERVICE, 1-1/2" DIA & SINGLE METERS 1-1/2" DIA, SERVICE, 1/4" DIA	ACOR OR APPROV EQUAL	
7	WATER SERVICE LINE, HIGH-DENSITY POLYETHYLENE 1-1/2" DIA, SERVICE, 34" DIA & SINGLE METERS 1-1/2" DIA, SERVICE, 34" DIA & 1/4" DIA METERS 2" DIA, SERVICE, 1-1/2" DIA & SINGLE METERS 1-1/2" DIA, SERVICE, 1/4" DIA	ACOR OR APPROV EQUAL	
8	WIRE, WIRE CONNECTORS, ALUMINUM 4" DIA W/ INSULATION	IDEAL INDUSTRIES	TRANSFER OR PLUS OR APPROV EQUAL
9	NUTS		
<u>DETAIL NOTES</u>			
1. COORDINATE SERVICE SIZE WITH CITY BOOK TO ORDERING MATERIALS. 2. LOCATE SERVICE PER APPROVED PLAN. 3. NO SERVICE FITTING ALLOWED BETWEEN CORPORATION STOP AND METTER VALT CURB STOP. 4. APPLY MAX TAP COATING SYSTEM TO SERVICE SADDLE BOLT AND NUTS. AWWA C21 SYSTEM TO INCLUDE FIBER MATERIAL, EPXY COATING, AND PROTECTIVE OVERCOAT. DESIGN NORTH AMERICAN (OR APPROVED EQUAL). (SEE PLAN 34" DIA)			
PARK CITY WATER PARK CITY WATER CORPORATION 5014		WATER SERVICE LINE 3/4" TO 2" METERS	STD. PLAN 541 S

[illegible]

TABLE OF DIMENSIONS

	NO. OF SIZES (INCH DIAMETER)	VERTICAL BOND IN DOGHOES	CONCRETE EMBEDMENT IN DOGHOES	SIZE OF CORE - HORIZONTAL	DIAMETER OF SHAFT IN DOGHOES MINIMUM 1/2" THICK	DEPTH OF DOGHOES MINIMUM 1/2" THICK	W'
4"	11	14	5	2 1/2	3/4"	1/2"	1.5
	22	14	5	2	3/4"	1/2"	2.0
6"	22	40	3	2 1/2	3/4"	1/2"	2.0
	22	40	3	2	3/4"	1/2"	2.0
8"	11	14	3	3	3/4"	3/8"	2.0
	22	48	4	2 1/2	3/4"	1/2"	2.5
10"	11	14	3	3	3/4"	3/8"	2.0
	22	102	4	2 1/2	3/4"	3/8"	3.0
12"	11	14	3	2	3/4"	3/8"	2.0
	22	143	5	2	3/4"	3/8"	3.0
14"	11	14	3	2	3/4"	3/8"	2.0
	22	193	5	2	3/4"	3/8"	3.0
16"	11	14	3	2	3/4"	3/8"	2.0
	22	242	6	2 1/2	3/4"	3/8"	4.0



TYPE A RESTRAINT
FOR 11" - 22" VERTICAL BOND

NOTE:

- RESTRAINT SIZES IS BASED UPON A MAXIMUM OPERATING PRESSURE OF 150 PSI AND A TESTING PRESSURE OF 250 PSI, AND A MINIMUM SLOPE BEARING STRENGTH OF 2,000 PSF. OPERATING PRESSURE IN EXCESS OF 150 PSI OR SOILS WITH LESS THAN 2,000 POUND BEARING STRENGTH.
- PIPE SIZE EXCEEDING 16" REQUIRES SPECIAL DESIGN.
- VERTICAL BOND IN THIRTY-FIVE (35) INCHES MUST BE FORMED WITH VERTICAL SIZES.
- DO NOT IMPOSE ADJACENT TIE-DOWNS AND RESTRAINTS.
- DO NOT THRUFAST ANCHORS ADJACENT PIPES.
- APPLY FIVE TONS YIELDING SYSTEM TO SUPPORT SHAFT AND REBAR CLOSURE. AWWA C171 - SYSTEM TO REMOVE FILL MATERIAL, TAPS COATING AND PROTECTIVE OUTER WRAP. DENSO N.A., TREBLOC OR APPROXIMATE EQUAL.
- SHAFT AND REBAR MATERIALS SHALL BE EPOXY COATED AT LEAST 1/8" THICK.
- REINFORCEMENT SHALL BE DEFORMED STEEL, ASTM A-66. MINIMUM STRESS YIELD STRENGTH OF STEEL TIE-DOWN BARS IS 70,000 KSI.



Park City Water
PARK CITY WATER TREATMENT
WATER

**TIE-DOWN
RESTRAINTS**

STN #10
562-A

ROLL CURB

Top view dimensions: $d=1/2"$, $2'-3/4"$, $R=1/8"$, $3'-3/4"$, $R=1/2"$.
 Side view dimensions: $R=1/2"$, $1'-0"$, $1'-30$ SQ. FT.

HIGH-BACK CURB AND GUTTER

Top view dimensions: $d=1/2"$, $6"$, $24"$, $R=1-1/2"$, $R=1-1/2"$, $R=1/8"$.
 Side view dimensions: $R=1/2"$, $1'-0"$, $1'-1/2"$, $1'-0"$, $1'-30$ SQ. FT.

OUTFALL CURB AND GUTTER

Top view dimensions: $d=1/2"$, $6"$, $12"$, $R=1-1/2"$, $R=1-1/2"$, $R=1/8"$.
 Side view dimensions: $R=1/2"$, $1'-0"$, $1'-1/2"$, $1'-0"$, $1'-30$ SQ. FT.

NOTE: ALL CURB AND GUTTER IS TO BE DESIGNED WITH A MINIMUM OF 4" OF UNPAVED BASE, COURSE CONFORM TO SECTION 210, UNLESS AUTHORIZED IN WRITING BY THE CITY ENGINEER.

MANUFACTURER: PARK SUPPLY 1-800-535-5555

STANDARD DRAWING

605-D

**BICYCLE-SAFE
GRATING AND FRAME**

PARK CITY MUNICIPAL CORP.

DTL_PARKCITY605-D

[illegible][illegible]

INSTALLATION

12" - 30" INLINE DRAIN

MIN. DEPTH FOR TURF

(2)

18" MIN. THICKNESS

TOP SOIL

BOTTOM FLANGE OF FRAME MUST BE SUPPORTED BY CONCRETE COLLAR

CONCRETE SLAB DIMENSIONS
AND PROPOSED 12" - 30" IN-
LINE DRAIN TO BE DESIGNED TAPPING INTO
OR ON EXISTING TRAFFIC
CABLE DESIGN FACTORS.

BE ORIGINATED STONE OR OTHER
MATERIALS TO MEET THE
REQUIREMENTS OF CLASS I
AS SET FORTH IN ASTM C217.
FRANCE INLETS SHALL BE
ONLY IN ACCORDANCE WITH ASTM C2321.

DRAWN BY EJC	DATACOL		5558 VERDE AVE BAYPORT, CA 90715 PHN (714) 862-5846 FAX (714) 862-5849 www.nytolplast.com
DATE 01-05-00		Nytolplast	
REVISED BY NMM	PROJECT NO. NAME	SCALE	
DATE 06-11-01			
DWG. SIZE A	SCALE 1/8" = 1'-0"	DWG. NO. 7907-119-349	REV. G

 (455) 649-0467	STAFF: MICHAEL DEMKOWICZ CONNOR DINSMORE	
CONSULTING ENGINEERS LAND PLANNERS SURVEYORS 1 Main Street P.O. Box 20044 Piquette City, Ohio 44861-2004	DATE: 05/17/2024	FOR: SO JOB NO: FILE: XA

IFC SET 2 OF 3 DETAILS 2/2 MMET BLANC DEVELOPMENT BLANC RESIDENCES I, LLC 1-18 dwg\B2_East_Design\B2_East-Civil.dwg	SHEET C.20
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