

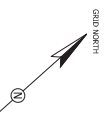
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2	04/11/18	THL	THL	DRAWN BY
3	04/11/18	THL	THL	CHKD BY
4	04/11/18	THL	THL	APPROVED BY
5	04/11/18	THL	THL	DATE

CDM Smith
CONFORMED DRAWING
14100 BIRCHMOUNT AVENUE, SUITE 1102
MEMPHIS, TN 38125
TEL: 901.320.3381
FAX: 901.320.3382
WWW.CDM-SMITH.COM

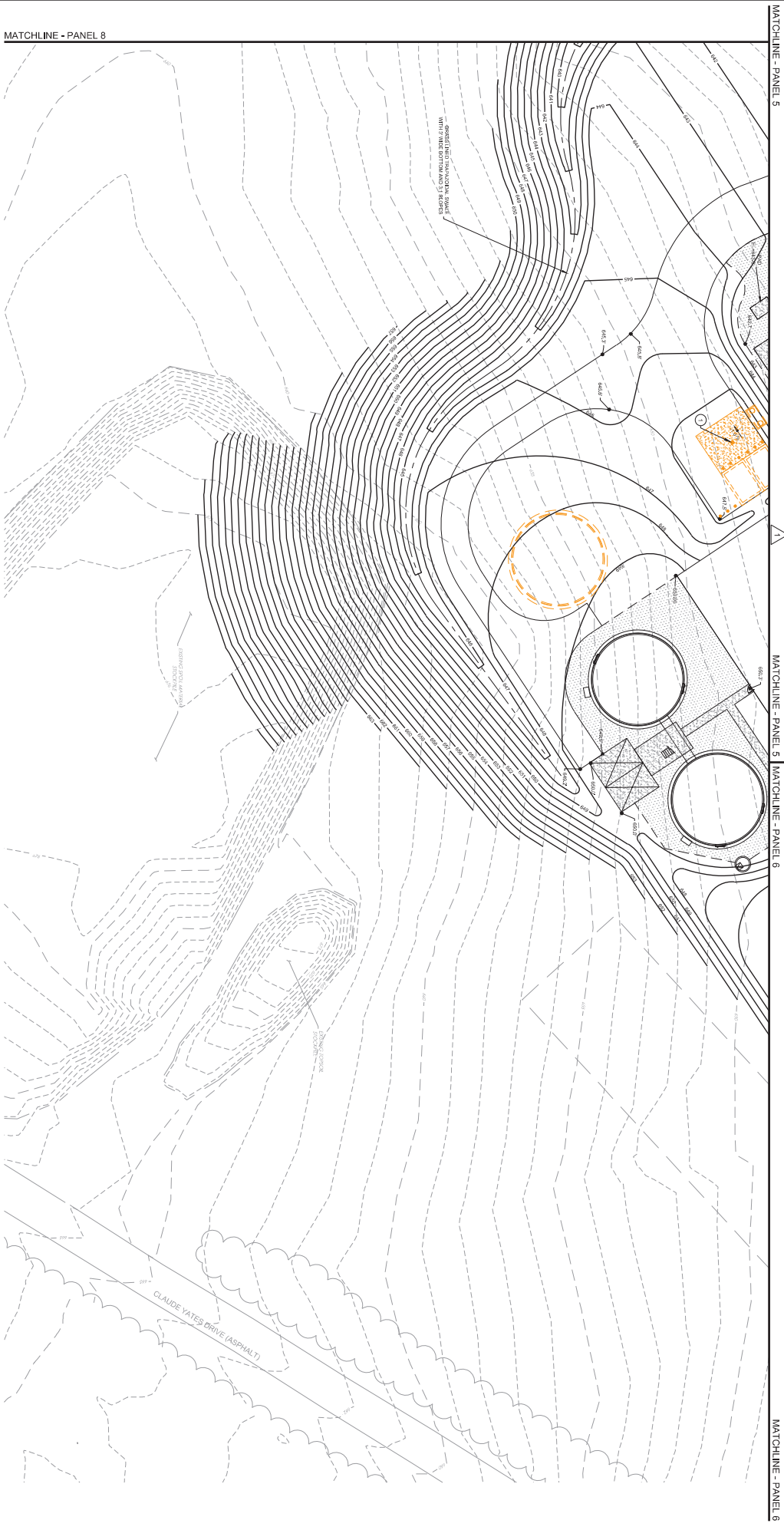
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

GRADING AND DRAINAGE PLAN
PANEL 9
C-37
CONFORMED DRAWING - AUGUST 2018

REFER TO PLAN SHEET C-1 FOR
GENERAL GRADING & DRAINAGE
NOTES & LEGEND.



CODE	DESCRIPTION	DTL #/SHT #
①	18" DIA. CONCRETE DRAIN BASIN WITH 18" DIA. 1' RADIUS & GRATE	N/C-4



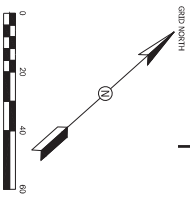
Appendix F

Erosion Prevention and Sediment Control Plans



SIZE	VALUED CONSTRUCTION EXT	B / C/D
N/A	WOOD / E/VE / SPREADER	C / C/D-I
CMD	CONCRETE WASHOUT	S / C/D-B
SPN	SEMENT / POND	C / C/D-D
N/A	STRAW MULCH @ 3 TONS PER ACRE	N/A
TBD	TEMPORARY SEEDING	N/A
TBD	PERMANENT SEEDING	N/A

GRID NORTH

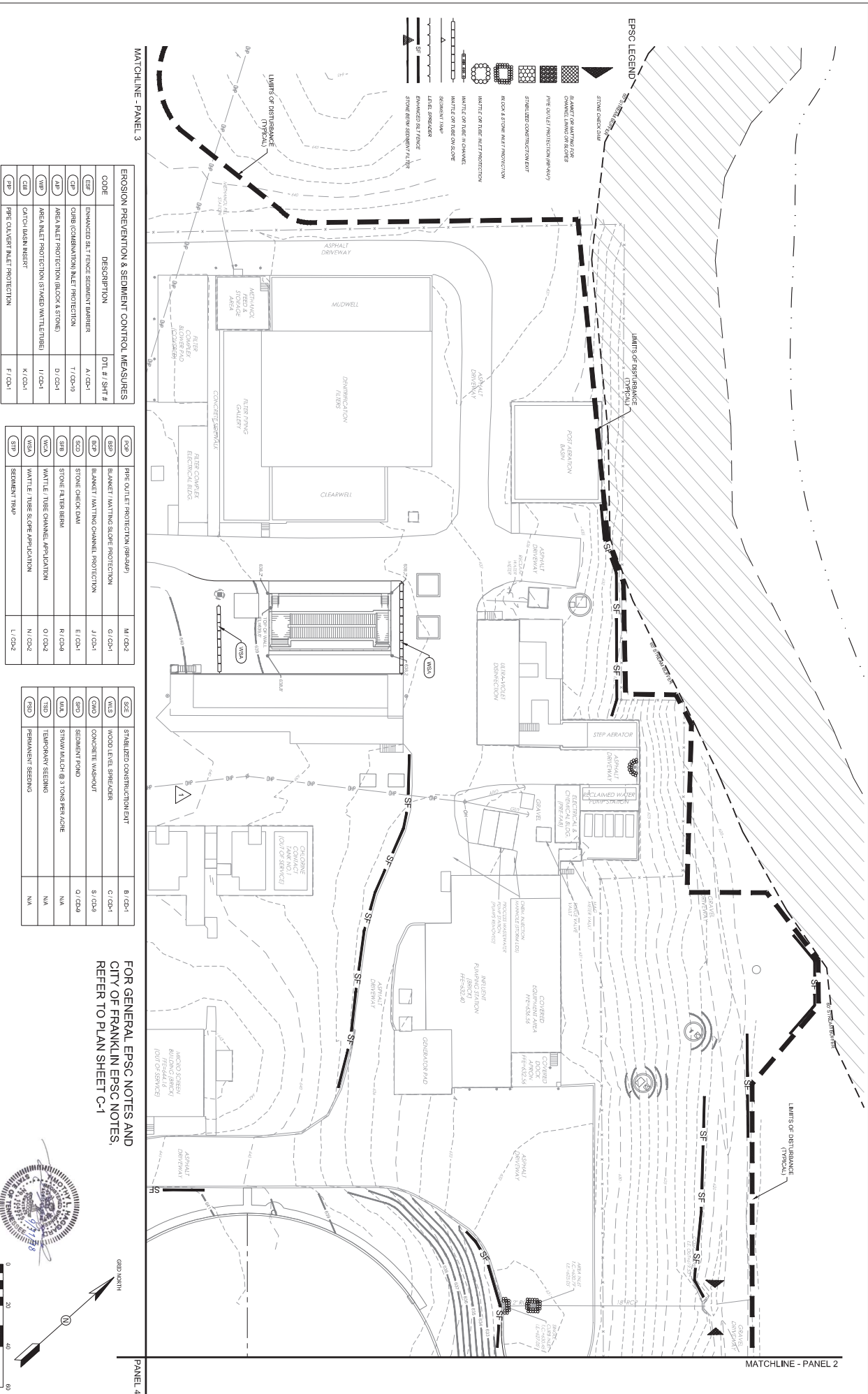


EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 1 - INITIAL PHASE

④

NO.	DATE	BY	CHKD	DESCRIPTION	REVISIONS	DESIGNED BY	DRWN BY	CHKD BY	APPROVED BY	DATE	CDM Smith	CDM Engineering	CITY OF FRANKLIN, TENNESSEE WATER RECLAMATION FACILITY MODIFICATIONS AND EXPANSION PROJECT COP CONTRACT NO. 2017-0264	EROSION PREVENTION & SEDIMENT CONTROL PLAN PANEL 1 - INTERIM PHASE	PROJECT NO. C-38B
1	04/11/2018	TH	RM	CONFORMED DRAWING		TH	RM	RM	TH	04/11/2018					
2	04/11/2018	TH	RM	REVISION FOR PER CHANGES		TH	RM	RM	TH	04/11/2018					
3	04/11/2018	TH	RM	REVISIONS		TH	RM	RM	TH	04/11/2018					

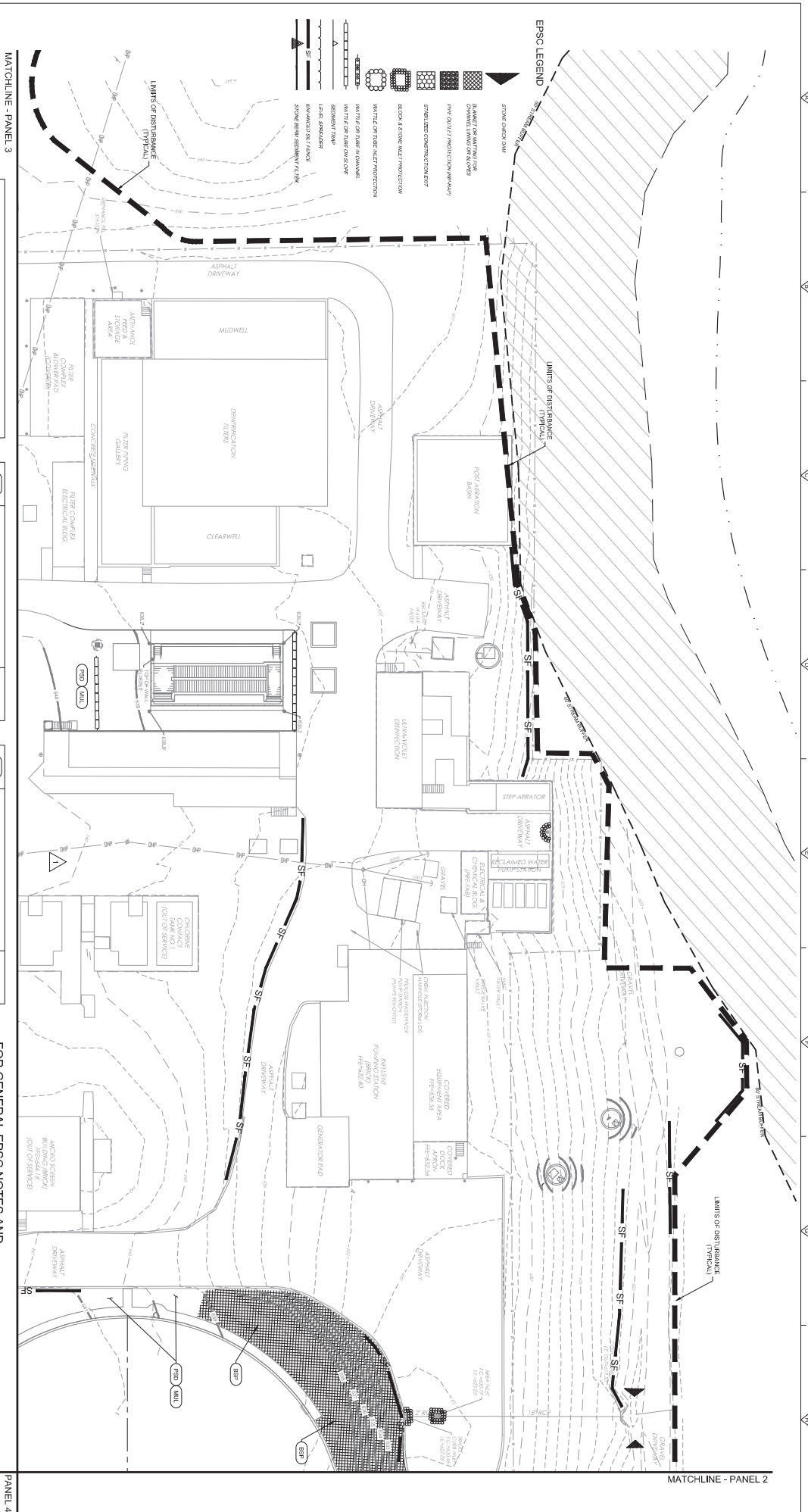


NO.	DATE	BY	CHKD	DESCRIPTION	REVISIONS	DESIGNED BY	DRWN BY	CHKD BY	APPROVED BY	DATE	CDM Smith	CDM Smith	CITY OF FRANKLIN, TENNESSEE WATER RECLAMATION FACILITY MODIFICATIONS AND EXPANSION PROJECT COP CONTRACT NO. 2017-0264	EROSION PREVENTION & SEDIMENT CONTROL PLAN PANEL 1 - FINAL PHASE	PROJECT NO. C-38C
1	1/18	TH		CONCEPT DRAWING		TH	TH	TH	TH	1/18	CDM Smith	CDM Smith			CDM Smith
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3	3/18	TH		REVISION FOR PERMITS		TH	TH	TH	TH	3/18	CDM Smith	CDM Smith			CDM Smith
4	4/18	TH		REVISION FOR PERMITS		TH	TH	TH	TH	4/18	CDM Smith	CDM Smith			CDM Smith
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6	6/18	TH		REVISION FOR PERMITS		TH	TH	TH	TH	6/18	CDM Smith	CDM Smith			CDM Smith
7	7/18	TH		REVISION FOR PERMITS		TH	TH	TH	TH	7/18	CDM Smith	CDM Smith			CDM Smith
8	8/18	TH		REVISION FOR PERMITS		TH	TH	TH	TH	8/18	CDM Smith	CDM Smith			CDM Smith
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13	1/19	TH		REVISION FOR PERMITS		TH	TH	TH	TH	1/19	CDM Smith	CDM Smith			CDM Smith
14	2/19	TH		REVISION FOR PERMITS		TH	TH	TH	TH	2/19	CDM Smith	CDM Smith			CDM Smith
15	3/19	TH		REVISION FOR PERMITS		TH	TH	TH	TH	3/19	CDM Smith	CDM Smith			CDM Smith
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0 20 40 60

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



MATCHLINE - PANEL 3

MATCHLINE - PANEL 2

PANEL 4

NO.

1

DATE

DOWN

CHNG

CONFORMED DRAWING

REDESIGN FOR BE CHANGES

REVISIONS

DESIGNED BY

DRWN BY

CHECKED BY

APPROVED BY

DATE

CDM Smith

CDM Smith

CDM Smith

CDM Smith

CDM Smith

CITY OF FRANKLIN, TENNESSEE

WATER RECLAMATION FACILITY

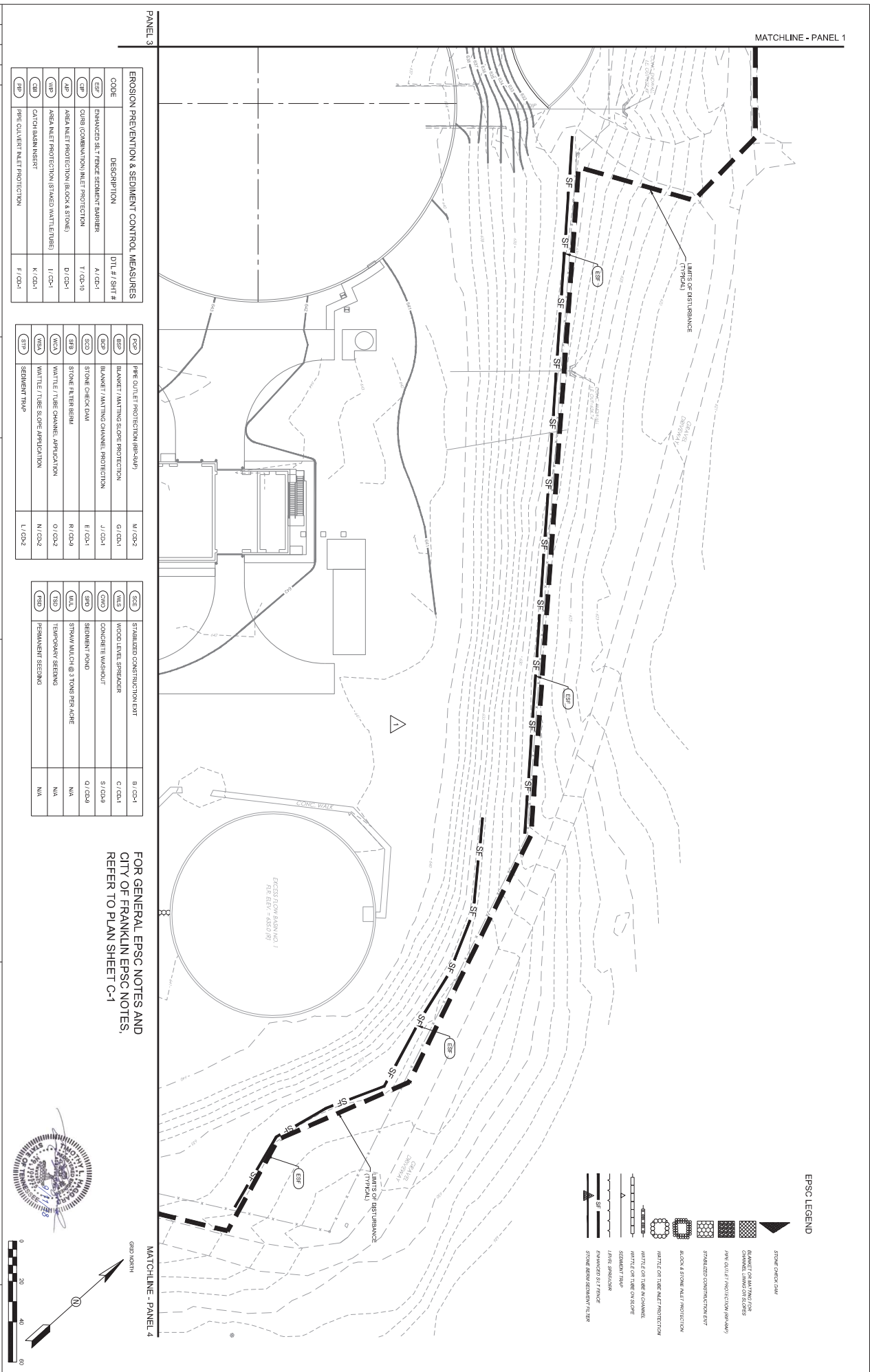
MODIFICATIONS AND EXPANSION PROJECT

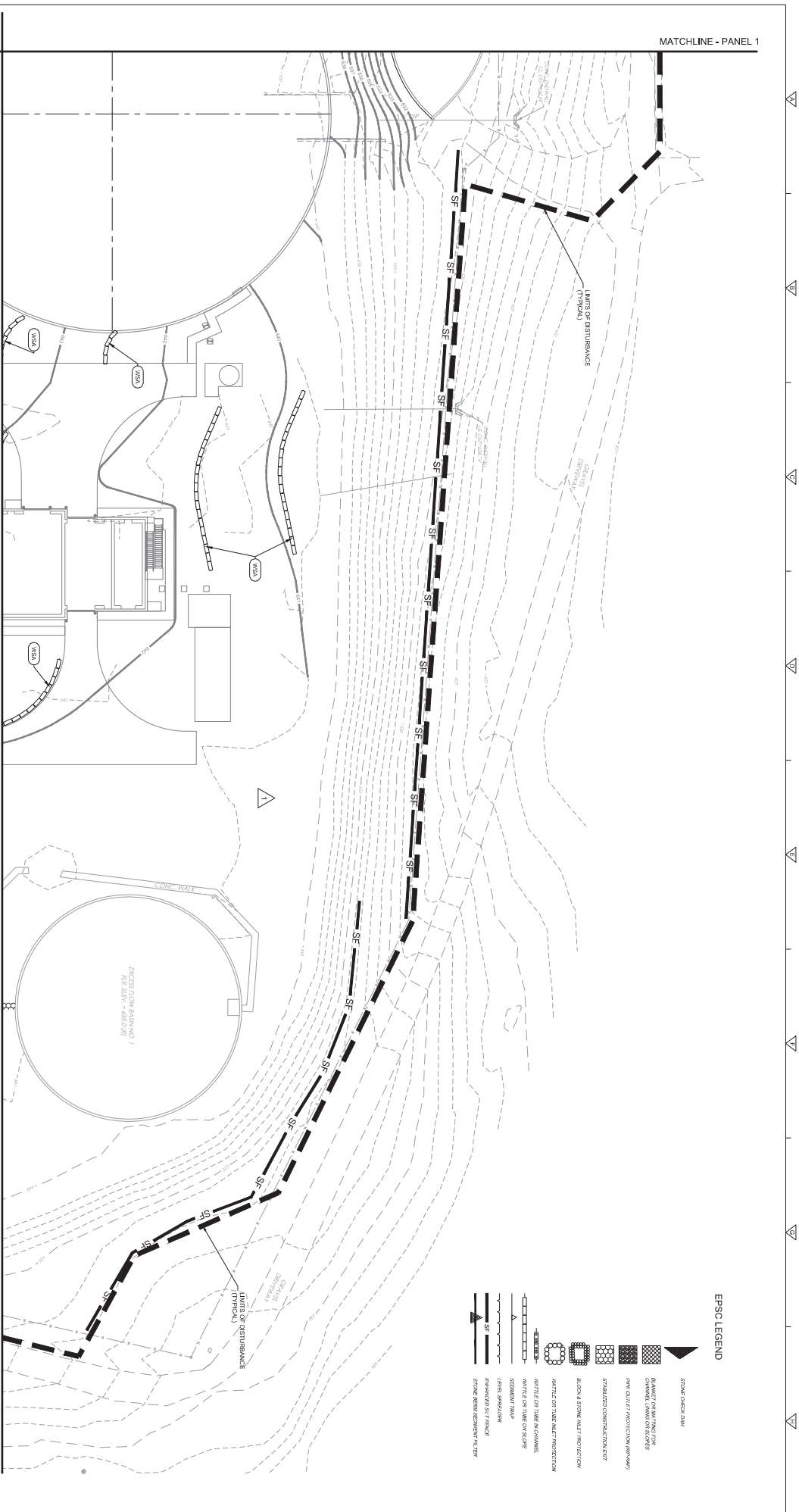
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 2 - INITIAL PHASE

PROJECT NO. C-39A



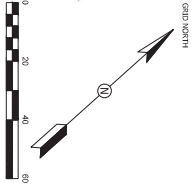


EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	D.L. #, S/N #
(E9)	ENHANCED SILT/FENCE SEDIMENT BARRIER	A / CD-1
(C9)	CULVERT COMBINATION BLOCK PROTECTION	T / CD-10
(M9)	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-4
(W9)	AREA INLET PROTECTION (TYPED MAT/TELEB)	I / CD-1
(C8)	CATCH BASIN INSERT	K / CD-4
(M8)	PERFORATED INLET PROTECTION	F / CD-2

(R2)	PIPE OUTLET PROTECTION (ROUAP)	M / CD2
(R59)	BLANKET / MATINGS SLOPE PROTECTION	G / CD4
(R39)	BLANKET / MATINGS CHANNEL / PROTECTION	J / CD4
(R32)	STONE CHECK DAM	E / CD4
(R18)	STONE FILTER BERM	R / CD4
(W4)	WATTLE / TUBE CHANNEL APPLICATION	O / CD2
(W6)	WATTLE / TUBE SLOPE APPLICATION	N / CD2
(R7)	SEDIMENT TRAP	L / CD2

SCC	RAILIZED CONSTRUCTION EXT	B / C-D-I
N/A	WOOD LEVER SPRACER	C / C-D-I
CMD	CONCRETE WASHOUT	S / C-D-I
SPD	SEDIMENT POND	C / C-D-I
M/L	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSD	TEMPORARY SEEDING	N/A
PRD	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



EROSION PREVENTION & SEDIMENT CONTROL PLAN

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY

COF CONTRACT NO. 2017-0264

PROJECT NO. 14915-96594-WRF
FILE NAME: CoF_WRF_CW

C-39B



SC2	RAILIZED CONSTRUCTION EXT	B/C2-1
NLS	WOOD LEVEL SPREADER	C/C2-1
CWD	CONCRETE WASHOUT	S/C2-3
SPD	SEDIMENT POND	Q/C2-2
NUL	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSD	TEMPORARY SEEDING	N/A
PRD	PERMANENT SEEDING	N/A

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY

EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 2 - FINAL PHASE

MODIFICATIONS AND EXAMINATION OF THE
COE CONTRACT NO. 2017-0264

C-390

NO.	DATE	BY	CHKD	REVISIONS
1	1/14/18	TH	RM	CONFORMED DRAWING
2	1/14/18	TH	RM	REVISION FOR BID CHANGES
3	1/14/18	TH	RM	REVISIONS

DESIGNED BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____
CDM Smith
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

NO.	DATE	BY	CHKD	REVISIONS
1	1/14/18	TH	RM	CONFORMED DRAWING
2	1/14/18	TH	RM	REVISION FOR BID CHANGES
3	1/14/18	TH	RM	REVISIONS

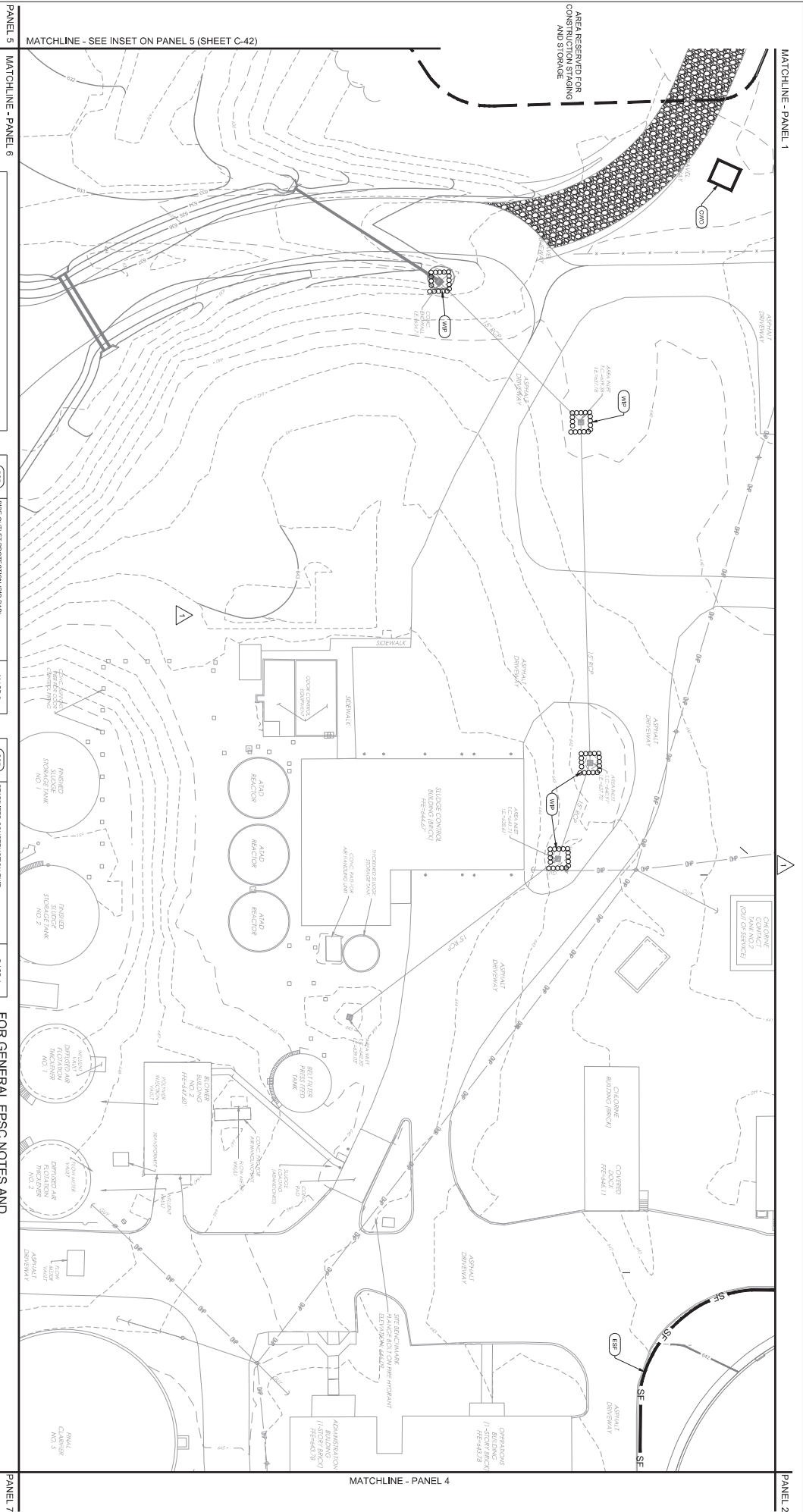
CDM Smith
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SET FENCE SEDIMENT BARRIER	A / CD-1
CP	CURB (COMBINATION) INLET PROTECTION	T / CD-9
AP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
WIP	WATER INLET PROTECTION (STAKED WATER LIME)	D / CD-1
CBP	CATCH BASIN INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	DTL # / SHT #
POD	PIPE OUTLET PROTECTION (RIP-RAP)	W / CD-2
BLP	BLANKET / MATTING SLOPE PROTECTION	G / CD-1
SCD	STONE CHECK DAM	J / CD-1
STP	STONE PILE TIE BERM	R / CD-9
WCA	WATTLE / TIE CHANNEL APPLICATION	N / CD-2
WTP	WATTLE / TIE CHANNEL APPLICATION	N / CD-2
STP	SEDIMENT POND	L / CD-2

CODE	DESCRIPTION	DTL # / SHT #
SES	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOD LEVEL SPREADER	C / CD-1
CON	CONCRETE WASHOUT	S / CD-9
EPD	EROSION PROTECTION DAM	O / CD-9
SM	STRAW MULCH @ 3 TONS PER ACRE	NA
TPS	TEMPORARY SEEDING	NA

FOR GENERAL EPSC NOTES AND
REFER TO PLAN SHEET C-1



EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 3 - INITIAL PHASE

C-40A

NO.	DATE	BY	CHKD	REVISIONS
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2	1/14	RM		REVISION FOR PER CHANGES
3	1/14	RM		REVISIONS

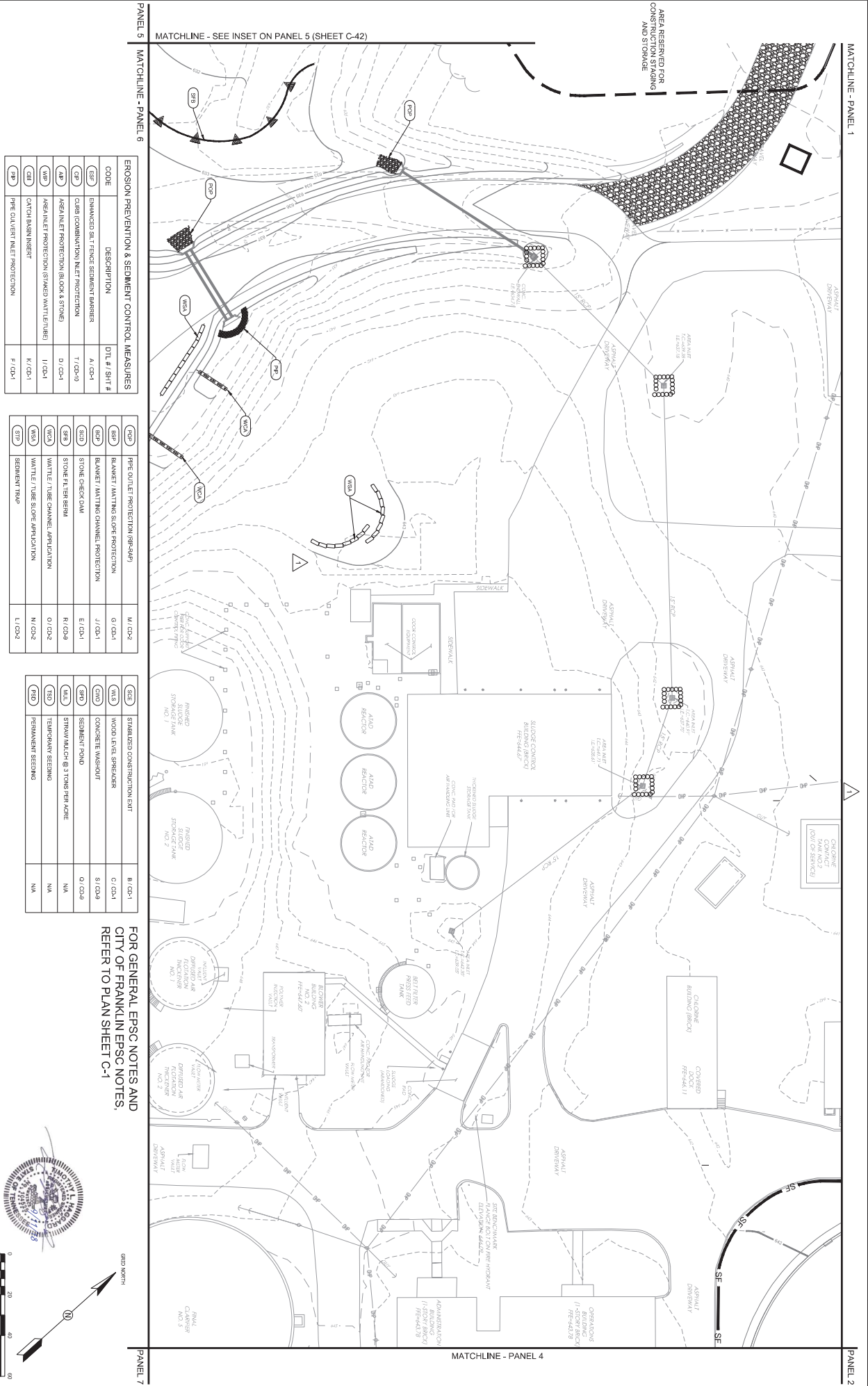
DESIGNED BY: TLU
CHECKED BY: RM
APPROVED BY: T. HARRIS
DATE: APRIL 2018

CDM Smith
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION PLANT
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SET FENCE SEDIMENT BARRIER	A / CD-1
CP	CURB COMBINATION INLET PROTECTION	T / CD-9
AP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
WIP	WATER INLET PROTECTION (STAKED WATERLILIES)	D / CD-1
CB	CATCH BASIN INLET	K / CD-1
PI	PIPE CATCHER INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	DTL # / SHT #
PO	PIPE OUTLET PROTECTION (RIP-RAP)	W / CD-2
BL	BLANKET / MATTING SLOPE PROTECTION	G / CD-1
SC	STONE CHECK DAM	J / CD-1
SR	STONE RIVER BERM	R / CD-2
WA	WATTLE / TUBE CHANNEL APPLICATION	O / CD-2
ST	SEDIMENT TROUGH	L / CD-2

CODE	DESCRIPTION	DTL # / SHT #
SE	STABILIZED CONSTRUCTION EXIT	B / CD-1
MS	WOOD LEVEL SPREADER	C / CD-1
GD	CONCRETE GROUT	S / CD-3
EP	SEDIMENT POND	O / CD-3
ML	STRAW MULCH @ 3 TONS PER ACRE	NA
TD	TEMPORARY SEEDING	NA
PR	PERMANENT SEEDING	NA



NO.	DATE	BY	CHKD	REVISIONS
1	04/11/18	TH	RM	REVISION FOR BID CHANGES
2	04/11/18	TH	RM	REVISION FOR BID CHANGES
3	04/11/18	TH	RM	REVISIONS

DESIGNED BY	TH
DRAWN BY	TH
CHECKED BY	TH
APPROVED BY	TH
DATE	APRIL 2018

CDM Smith
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

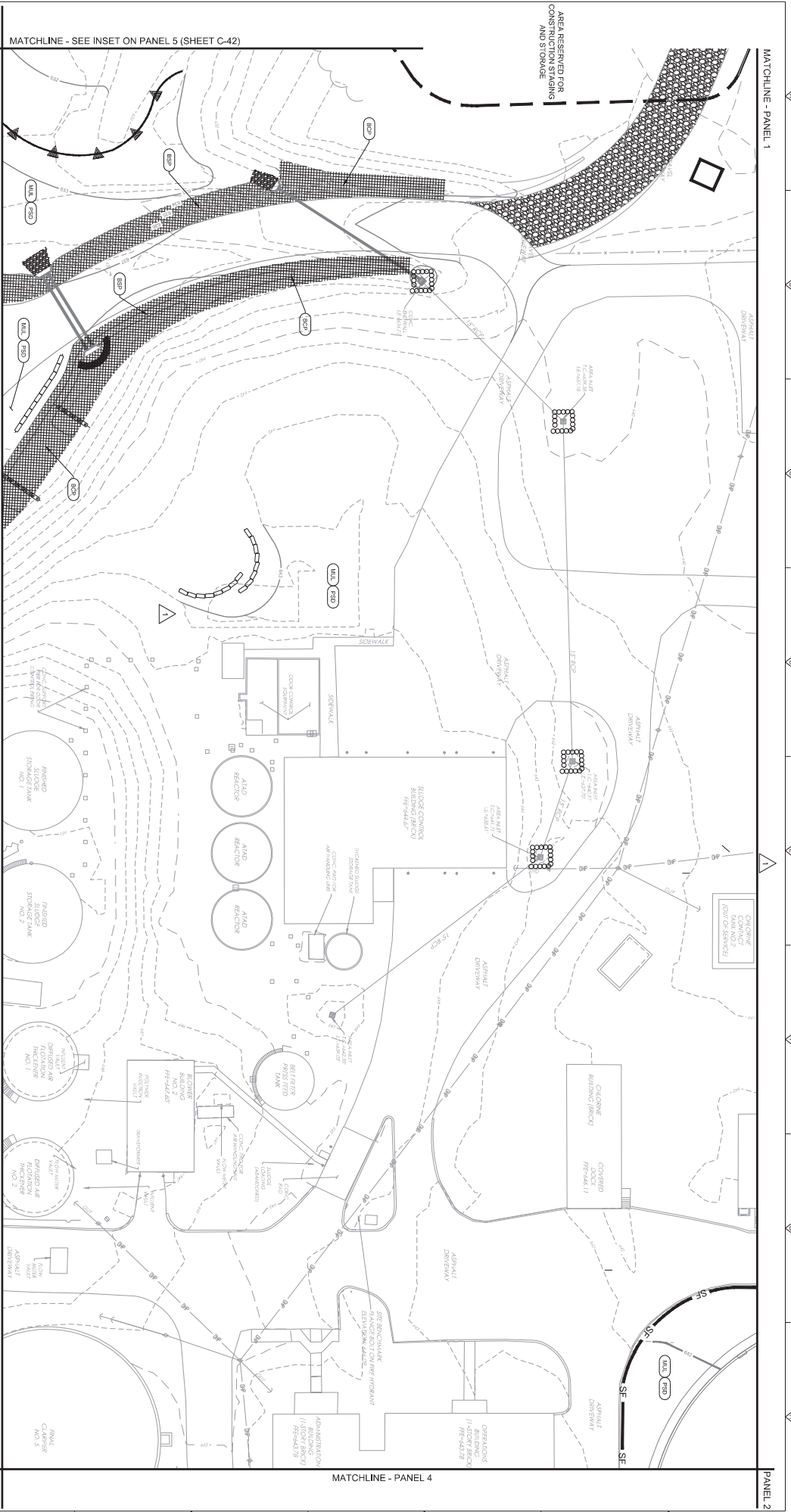
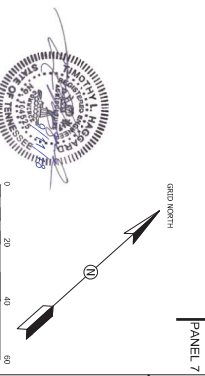
EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 3 - FINAL PHASE
C-40C
CONFORMED DRAWING - AUGUST 2018

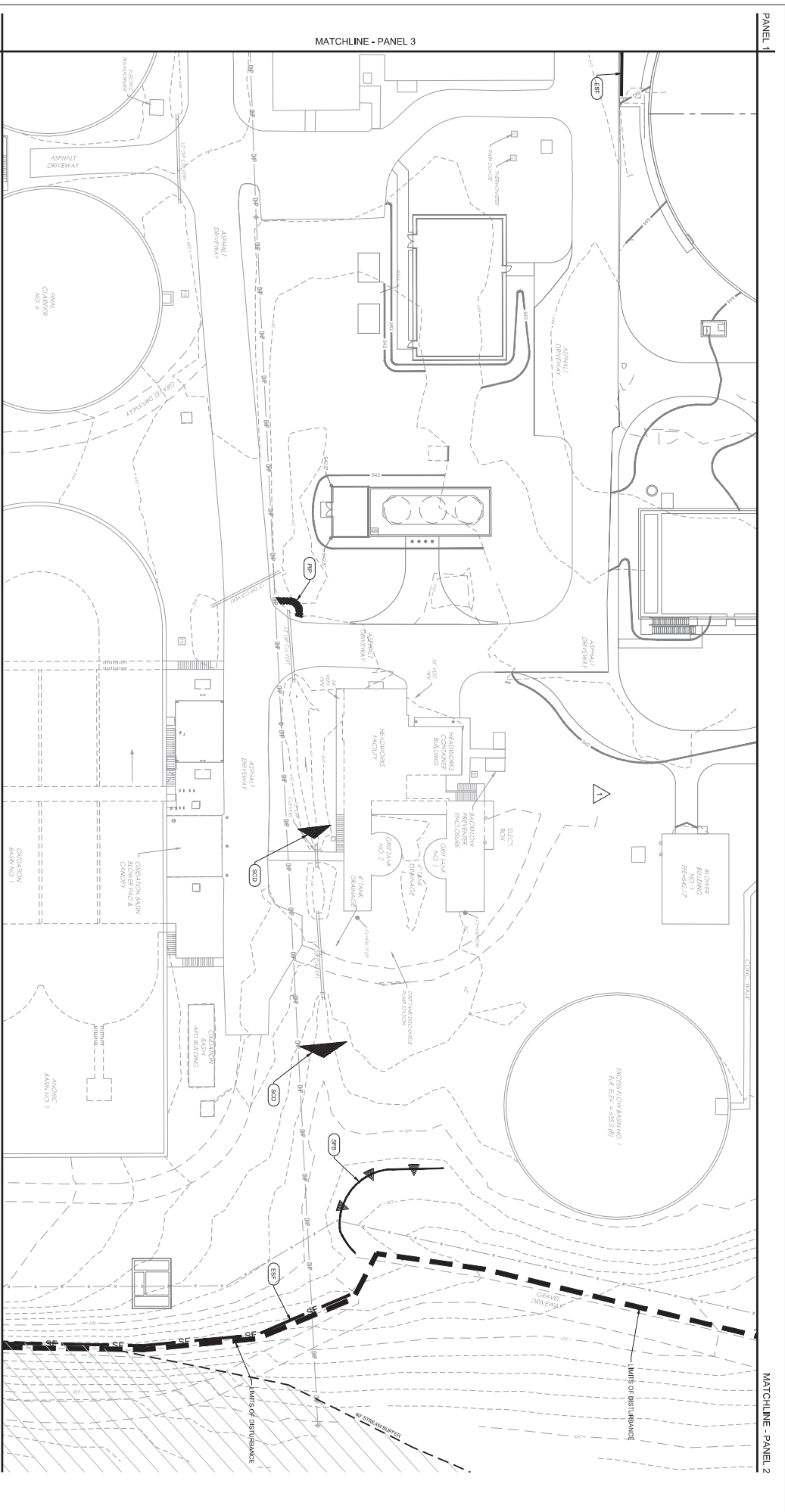
EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SET FENCE SEDIMENT BARRIER	A / CD-1
CP	CURB (COMBINATION) INLET PROTECTION	T / CD-3
AP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-4
WIP	WATER INLET PROTECTION (STAKED WATER LUB)	I / CD-1
CB	CATCH BASIN INLET	K / CD-1
PP	PIPE CATCHER INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	DTL # / SHT #
POD	PIPE OUTLET PROTECTION (RIP-RAP)	W / CD-2
BSB	BLANKET / MATTING SLOPE PROTECTION	G / CD-1
SCD	STONE CHECK DAM	J / CD-1
SRB	STONE RILL TIE BERM	R / CD-4
WCA	WATTLE / TUBE CHANNEL APPLICATION	O / CD-2
WCA	WATTLE / TUBE SLOPE APPLICATION	N / CD-2
STP	SEDIMENT POND	L / CD-2

CODE	DESCRIPTION	DTL # / SHT #
SES	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOD LEVEL SPREADER	C / CD-1
GRD	CONCRETE WASHOUT	S / CD-3
EPD	SEDIMENT POND	O / CD-3
ML	STRAW MULCH @ 3 TONS PER ACRE	NA
TRD	TEMPORARY SEEDING	NA
PRD	PERMANENT SEEDING	NA

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLANS SHEET C-1



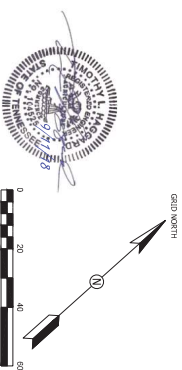


EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DIT #, SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-4
CP	CULB COORDINATION INLET PROTECTION	T / CD-10
AP	AREA INLET PROTECTION (ALCOCK & TOWNE)	D / CD-1
WP	WATER INLET PROTECTION (STAKED WATER FENCE)	I / CD-1
CB	CATCH BASIN INSERT	K / CD-1
PP	PPE CULVERT INLET PROTECTION	F / CD-1

POP	PIPE OUTLET PROTECTION (PPAP)	M/CD-2
ESP	BLANKET MATINGS SCORE PROTECTION	G/CD-1
CDP	BLANKET MATINGS CHANNEL PROTECTION	F/CD-1
SCD	STONE CHECK DAM	E/CD-1
FRB	STONE FILTER BERM	R/CD-49
WCA	WATTLE/TUBE CHANNEL APPLICATION	O/CD-2
WMA	WATTLE/TUBE SLOPE APPLICATION	N/CD-2
STP	SEDIMENT TRAP	L/CD-2

SC2	STABILIZED CONSTRUCTION EXIT	B / CD-1
MA3	WOOD LEVEL SPRAYER	C / CD-1
CD2	CONCRETE WASHOUT	S / CD2
3RD	SEMENTED POND	Q / CD-4
MU1	STRAW MULCH @ 3 TONS PER ACRE	N/A
TD2	TEMPORARY SEEDING	N/A
TR2	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1

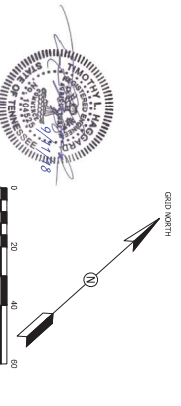


CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY

EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 4 - INITIAL PHASE

C-41A



SEC	STABILIZED CONSTRUCTION EXT	B ₁ CO ₂
WAS	WOOD LEVEL SPREADER	C ₁ CO ₂
CWO	CONCRETE WASHOUT	S ₁ CO ₂
SPD	SEMENT POND	O ₁ CO ₂
MUL	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSD	TEMPORARY SEEDING	N/A
PRD	PERMANENT SEEDING	N/A

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY

EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 4 - INTERIM PHASE

③

NO.	DATE	BY	CHKD	REVISIONS
1	11/14/18	TH	CH	CONFORMED DRAWING
2	01/11/19	TH	CH	REVISION FOR BID CHANGES
3	04/11/19	TH	CH	REVISIONS

DESIGNED BY: TLU
CHECKED BY: RBN
IN CHARGE: TLU
APPROVED BY: T. HANSEN
DATE: APRIL 2018
CDM Smith
CDM Engineering
1418 BIRCHWOOD DRIVE
NASHVILLE, TN 37203
TEL: 615.332.3181
FAX: 615.332.3182

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 4 - FINAL PHASE
C-41C
CONFORMED DRAWING - AUGUST 2018

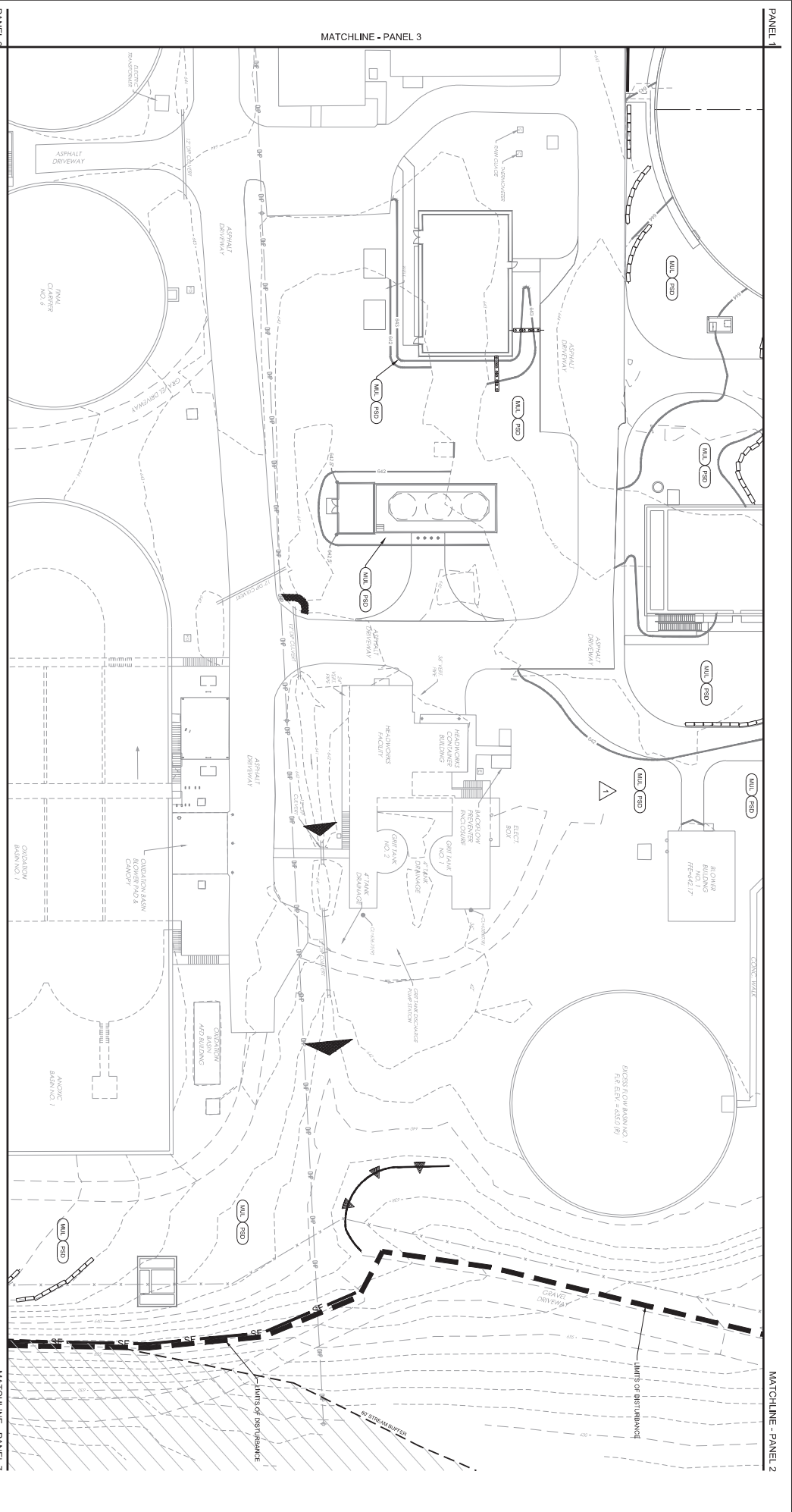
CODE	DESCRIPTION	DTL # / SHIT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CBP	CURB COMBINATION INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
AMP	AREA INLET PROTECTION (STANDARD WATTLE/BERM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PPB	PIPE CULVERT INLET PROTECTION	F / CD-1

PPB	PIPE OUTLET PROTECTION (PP-349)	M / CD-2
BSB	BLANKET / MATING SLOPE PROTECTION	G / CD-1
CBP	BLANKET / MATING CHAIN PROTECTION	J / CD-1
SCD	STONE CHECK DAM	E / CD-1
SRP	STONE FILTER BERM	N / CD-2
WCD	WATTLE / TUBE CHANNEL APPLICATION	O / CD-2
WCD	WATTLE / TUBE SLOPE APPLICATION	N / CD-2
STD	SEDIMENT TRAP	L / CD-2

SEE	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOD LAYER SPREADER	C / CD-1
CBP	CONCRETE WASHOUT	S / CD-8
SRP	SEDIMENT POND	O / CD-8
SLC	STRAW MULCH @ 3 TONS PER ACRE	NA
TSD	TEMPORARY SEEDING	NA
PRD	PERMANENT SEEDING	NA

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1

20' NORTH
0 20 40 60
MATCHLINE - PANEL 7





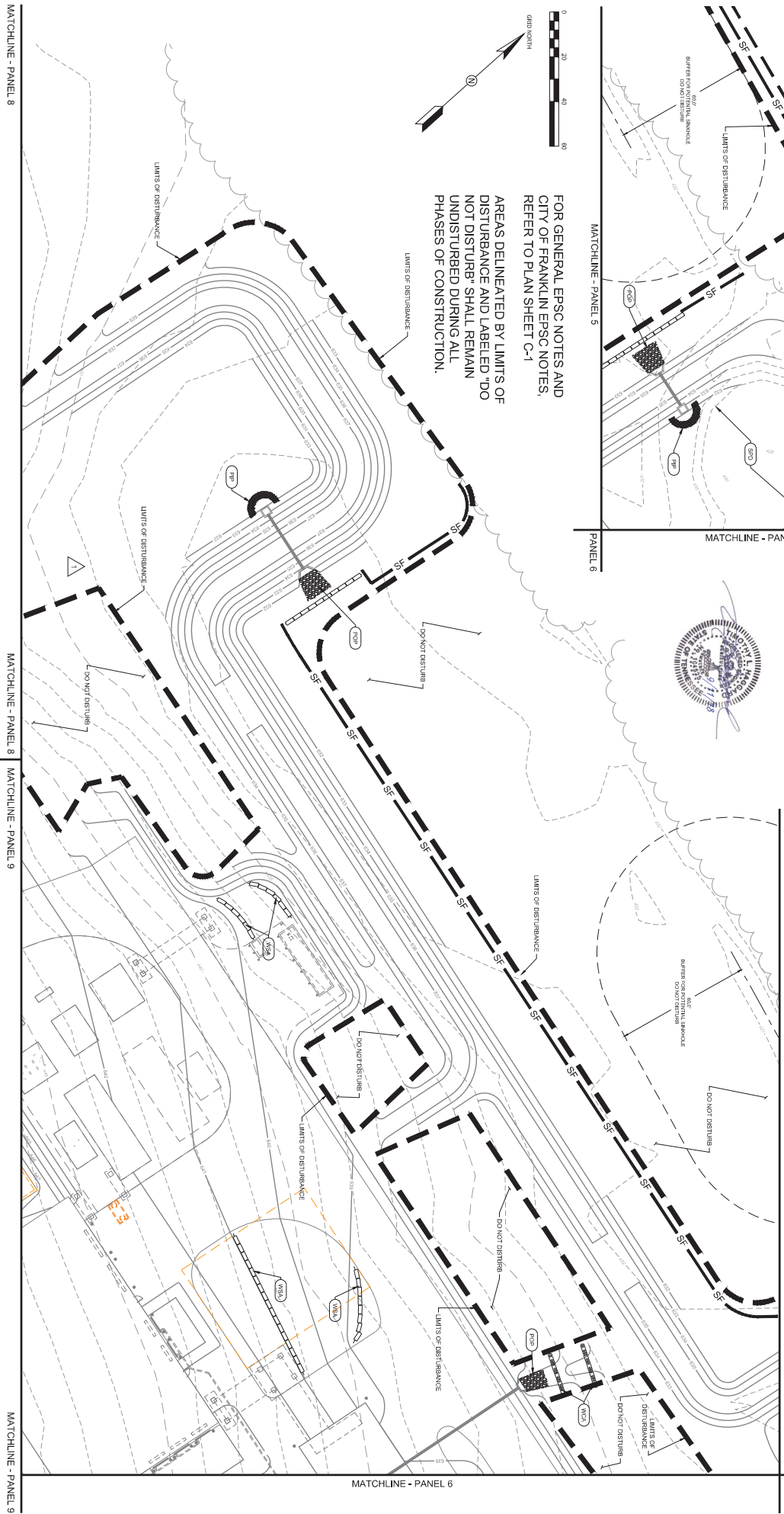
SC2	STABILIZED CONSTRUCTION EXIT	B/C0-1
WAS	WOOD LEVEL SPREADER	C/C0-1
CON2	CONCRETE WASHOUT	S/C0-2
SP20	SEDIMENT POND	O/C0-2
WAL	STRAW MULCH @ 3 TONS PER ACRE	N/A
SP30	TEMPORARY SEEDING	N/A
SP30	PERMANENT SEEDING	N/A

CONFORMED DRAWING
DATE: 04/01/2018
DRAWN: CHW
CHECKED: JLM
DESIGNED BY: TLL
DESIGNED: JLM
PROJECT NO.: 2017-0264
SHEET NO.: C-42B

CDM Smith
1418 BIRCH AVE
NASHVILLE, TN 37203
TEL: 615.320.3381
WWW.CDM-SMITH.COM

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 5 - INTERIM PHASE
C-42B



EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ADVANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CBP	CURB COMBINATION INLET PROTECTION	T / CD-6
MBP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
MBP	AREA INLET PROTECTION (STWED WALL/TURBINE)	I / CD-1
CBP	CATCH BASIN INLET	K / CD-1
MBP	PPE CULVERT INLET PROTECTION	F / CD-1
SPB	PPE OUTLET PROTECTION (PIPE-ARCH)	M / CD-2
SPB	BLANKET / MATING SLOPE PROTECTION	G / CD-1
SPB	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
SCB	STONE CHECK DAM	E / CD-1
SPB	STONE FILTER BERM	R / CD-4
WMB	WATTLE / FIBER CHANNEL APPLICATION	O / CD-2
WMB	WATTLE / FIBER BLOOM APPLICATION	N / CD-2
SPB	SEDIMENT TRAP	L / CD-2
SCB	STABILIZED CONSTRUCTION ERT	B / CD-1
WLS	WOOD LEVEL SPREADER	C / CD-1
SCB	CONCRETE WASHOUT	S / CD-9
SCB	SEDIMENT POND	O / CD-8
WLS	STRAW MULCH @ 3 TONS PER ACRE	N/A
TRB	TEMPORARY SEEDING	N/A
TRB	PERMANENT SEEDING	N/A

MATCHLINE - SEE INSET LEFT

PANEL 3

MATCHLINE - PANEL 5

PANEL 6

MATCHLINE - PANEL 3

MATCHLINE - PANEL 8

MATCHLINE - PANEL 8

MATCHLINE - PANEL 9

MATCHLINE - PANEL 9

MATCHLINE - PANEL 6

NO.	DATE	DOWN	CHNG	REVISIONS
1	1/14	REV		CONFORMED DRAWING
2	1/14	REV		REVISION FOR BID CHANGES
3	1/14	REV		REVISIONS

DESIGNED BY: TLU
DRAWN BY: TLU
CHECKED BY: TLU
APPROVED BY: TLU
DATE: APRIL 2018

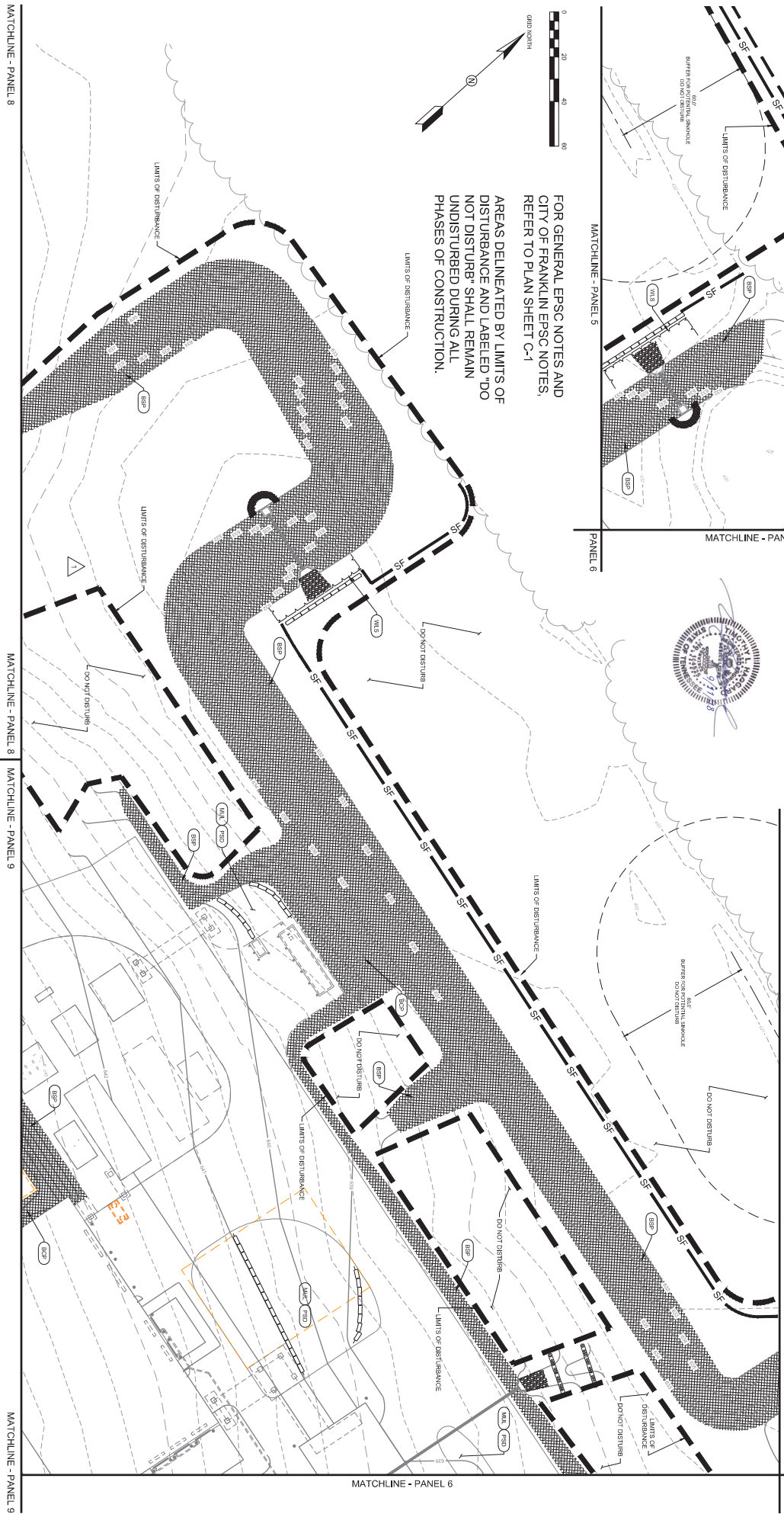
CDM Smith
14181 BIRCH CREEK DRIVE
SUITE 100
DALLAS, TEXAS 75244
TEL: (214) 635-1200
FAX: (214) 635-1201
WWW.CDM-SMITH.COM

CDM
14181 BIRCH CREEK DRIVE
SUITE 100
DALLAS, TEXAS 75244
TEL: (214) 635-1200
FAX: (214) 635-1201
WWW.CDM-SMITH.COM

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 5 - FINAL PHASE

PROJECT NO. 17-0264
SHEET NO. C-42C



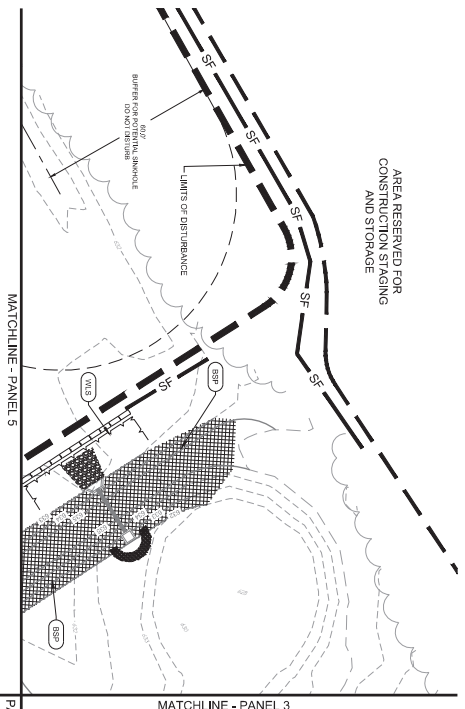
CODE	DESCRIPTION	DTL # / SHT #
ESP	ADVANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
ESP	CUBIC COMBINATION INLET PROTECTION	T / CD-6
ESP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
ESP	AREA INLET PROTECTION (STWED WATTLE/BERM)	I / CD-1
ESP	CATCH BASIN INLET	K / CD-1
ESP	PPE CULVERT INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	M / CD-2
ESP	PPE CULVERT PROTECTION (PPE-24)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
ESP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
ESP	STONE CHECK DAM	E / CD-1
ESP	STONE FILTER BERM	R / CD-1
ESP	WATTLE / FIBER CHANNEL APPLICATION	O / CD-2
ESP	WATTLE / FIBER BLOW APPLICATION	N / CD-2
ESP	SEDIMENT TRAP	L / CD-2

CODE	DESCRIPTION	B / CD-1
ESP	STABILIZED CONSTRUCTION ERT	B / CD-1
ESP	WOOD LEVEL SPREADER	C / CD-1
ESP	CONCRETE WASHOUT	S / CD-2
ESP	SEEDING POND	O / CD-2
ESP	STRAW MULCH @ 3 TONS PER ACRE	N/A
ESP	TEMPORARY SEEDING	N/A
ESP	PERMANENT SEEDING	N/A

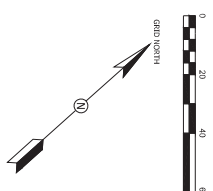
MATCHLINE - SEE INSET LEFT

PANEL 3



MATCHLINE - PANEL 5

PANEL 6



FOR GENERAL EPSC NOTES AND CITY OF FRANKLIN EPSC NOTES, REFER TO PLAN SHEET C-1

AREAS DELINEATED BY LIMITS OF DISTURBANCE AND LABELED "DO NOT DISTURB" SHALL REMAIN UNDISTURBED DURING ALL PHASES OF CONSTRUCTION.

MATCHLINE - PANEL 6

MATCHLINE - PANEL 8

MATCHLINE - PANEL 8

MATCHLINE - PANEL 9

MATCHLINE - PANEL 9

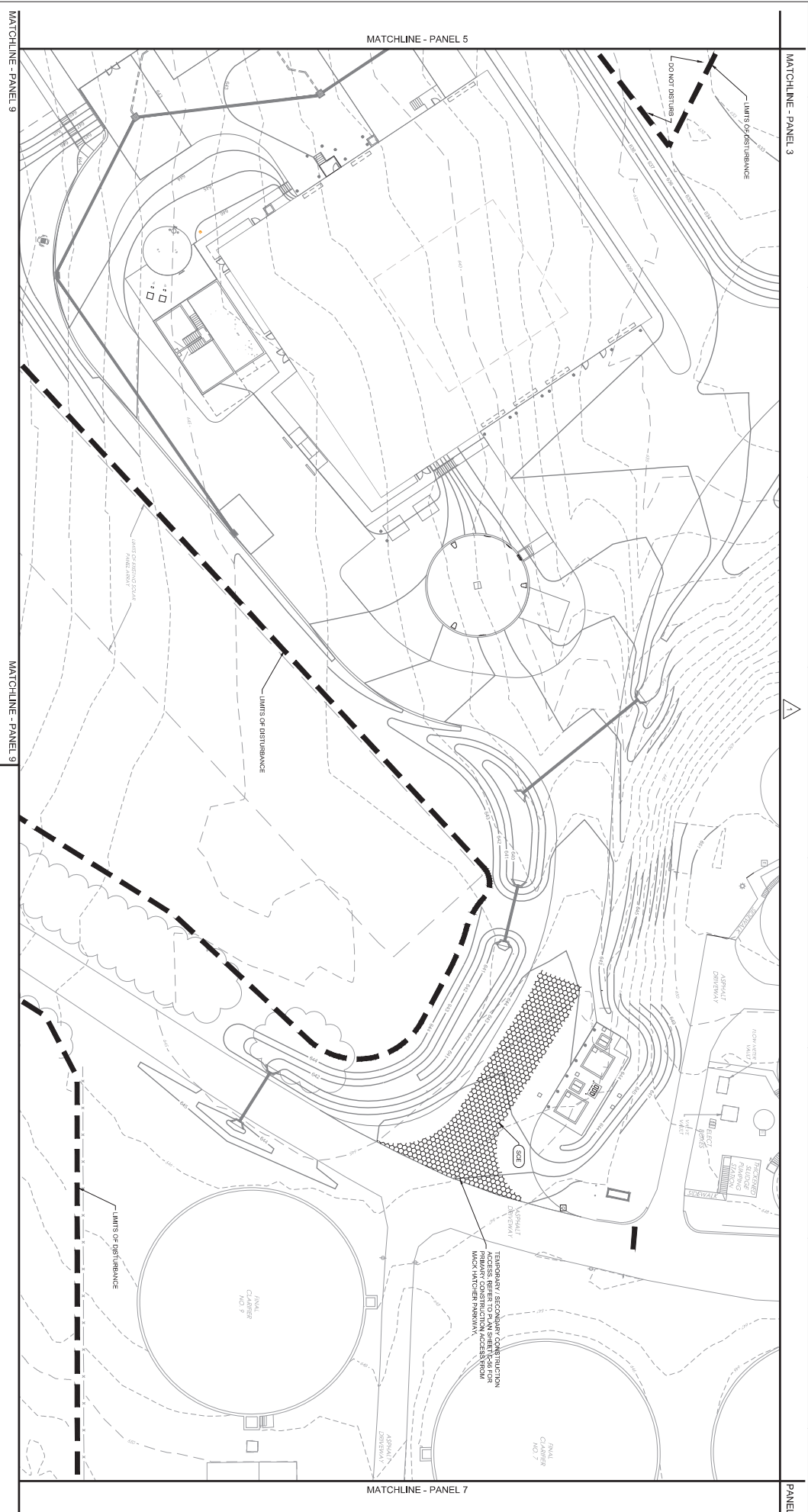
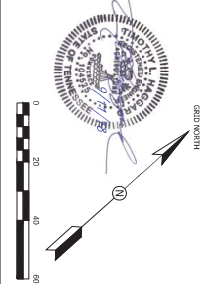
NO.	DATE	DOWN	CHG	REVISIONS
1	04/11/18	REV	CHG	CONCEPTUAL DRAWING
2	04/11/18	REV	CHG	REVISION FOR BID CHANGES
3	04/11/18	REV	CHG	REVISIONS

CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
QBP	QBP (COMBINATION) INLET PROTECTION	T / CD-10
QIP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
QIP	AREA INLET PROTECTION (STANDARD WATTLE FENCE)	I / CD-1
QIP	CATCH BASIN INSERT	K / CD-1
QIP	PIPE OVERTOP INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	DTL # / SHT #
QBP	PIPE OUTLET PROTECTION (B&B)	M / CD-2
QBP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
QBP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
QBP	STONE CHECK DAM	E / CD-1
QBP	STONE FILTER BERM	R / CD-4
QBP	WATTLE / TUBE CHANNEL APPLICATION	O / CD-2
QBP	WATTLE / TUBE SLOPE APPLICATION	N / CD-2
QBP	SEGMENT TRAP	L / CD-2

CODE	DESCRIPTION	DTL # / SHT #
QBP	STABILIZED CONSTRUCTION EXIT	B / CD-1
QBP	WOOD LEVEL SPREADER	C / CD-1
QBP	CONCRETE WASHOUT	S / CD-6
QBP	SEGMENT POND	O / CD-4
QBP	STRAW MULCH @ 3 TONS PER ACRE	N/A
QBP	TEMPORARY SEEDING	N/A
QBP	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND CITY OF FRANKLIN EPSC NOTES, REFER TO PLAN SHEET C-1
AREAS DELINEATED BY LIMITS OF DISTURBANCE AND LABELED "DO NOT DISTURB" SHALL REMAIN UNDISTURBED DURING ALL PHASES OF CONSTRUCTION.



CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 6 - INITIAL PHASE

PROJECT NO. C-43A
SHEET NO. C-43A
CONFORMED DRAWING - AUGUST 2018

NO.	DATE	BY	DESCRIPTION
1	04/11/2018	TH	CONCEPT DRAWING
2	04/11/2018	TH	REVISION FOR PERMITS
3	04/11/2018	TH	REVISIONS

CDM Smith
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

DESIGNED BY: TH
CHECKED BY: TH
APPROVED BY: T. HARRIS
DATE: APRIL 2018

FOR GENERAL EPSC NOTES AND CITY OF FRANKLIN EPSC NOTES, REFER TO PLAN SHEET C-1
AREAS DELINEATED BY LIMITS OF DISTURBANCE AND LABELED "DO NOT DISTURB" SHALL REMAIN UNDISTURBED DURING ALL PHASES OF CONSTRUCTION.

CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STEVED WALL / FENCE)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PIP	PIPE OUTLET INLET PROTECTION	F / CD-1

CODE	DESCRIPTION	M / CD-2
SPB	STONE PILE BARRIER	G / CD-1
SPB	STONE PILE BARRIER	J / CD-1
SPB	STONE PILE BARRIER	E / CD-1
SPB	STONE PILE BARRIER	R / CD-1
SPB	STONE PILE BARRIER	O / CD-2
SPB	STONE PILE BARRIER	N / CD-2
SPB	STONE PILE BARRIER	L / CD-2

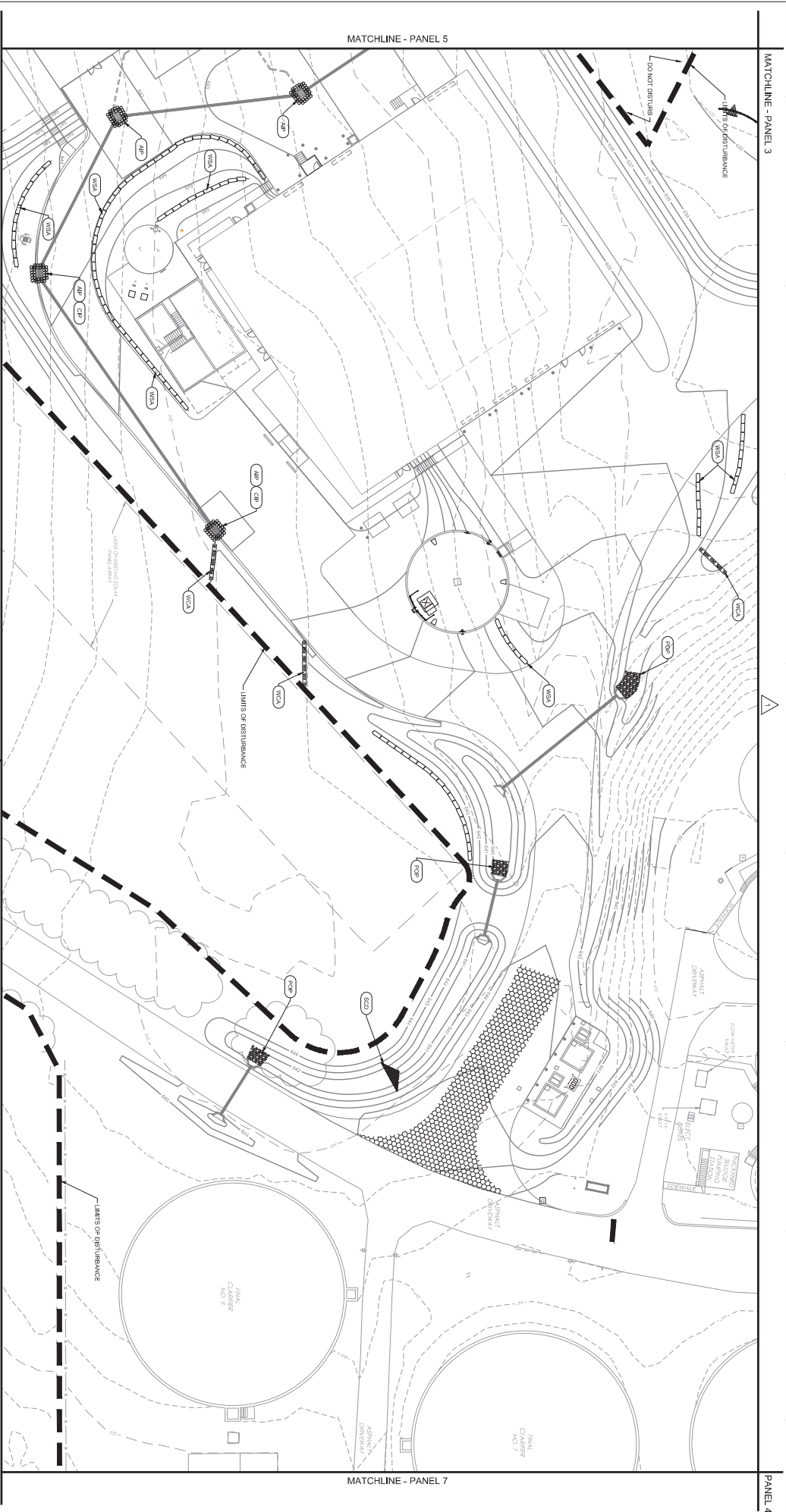
CODE	DESCRIPTION	B / CD-1
SPB	STONE PILE BARRIER	C / CD-1
SPB	STONE PILE BARRIER	S / CD-2
SPB	STONE PILE BARRIER	Q / CD-2
SPB	STONE PILE BARRIER	N / A
SPB	STONE PILE BARRIER	N / A
SPB	STONE PILE BARRIER	N / A

FOR GENERAL EPSC NOTES AND CITY OF FRANKLIN EPSC NOTES, REFER TO PLAN SHEET C-1
AREAS DELINEATED BY LIMITS OF DISTURBANCE AND LABELED "DO NOT DISTURB" SHALL REMAIN UNDISTURBED DURING ALL PHASES OF CONSTRUCTION.

MATCHLINE - PANEL 3

MATCHLINE - PANEL 5

MATCHLINE - PANEL 7



MATCHLINE - PANEL 3

PANEL 4

0 20 40 60
N
CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

DESIGNED BY: TH
CHECKED BY: TH
APPROVED BY: T. HARRIS
DATE: APRIL 2018

FOR GENERAL EPSC NOTES AND CITY OF FRANKLIN EPSC NOTES, REFER TO PLAN SHEET C-1
AREAS DELINEATED BY LIMITS OF DISTURBANCE AND LABELED "DO NOT DISTURB" SHALL REMAIN UNDISTURBED DURING ALL PHASES OF CONSTRUCTION.

NO.	DATE	BY	CHKD	DESCRIPTION
1	04/11/2018	TH	CH	CONCEPT DRAWING
2	04/11/2018	TH	CH	REVISION FOR BID CHANGES
3	04/11/2018	TH	CH	REVISIONS

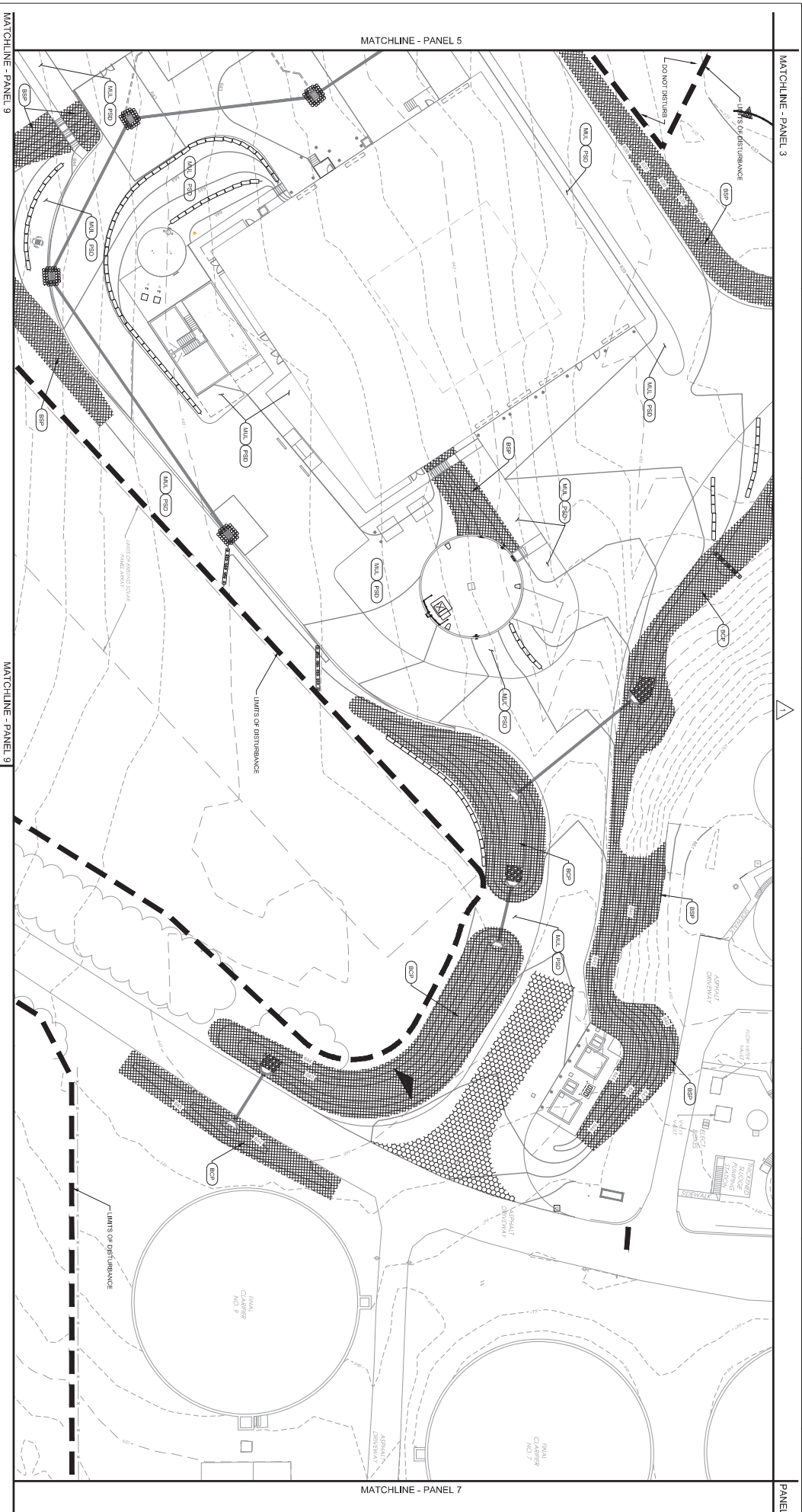
EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STANDARD W/ TIE-BEAM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PBP	PIPE CULVERT INLET PROTECTION	F / CD-1

MATCHLINE - PANEL 9		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STANDARD W/ TIE-BEAM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PBP	PIPE CULVERT INLET PROTECTION	F / CD-1

MATCHLINE - PANEL 5		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STANDARD W/ TIE-BEAM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PBP	PIPE CULVERT INLET PROTECTION	F / CD-1

MATCHLINE - PANEL 7		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STANDARD W/ TIE-BEAM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PBP	PIPE CULVERT INLET PROTECTION	F / CD-1

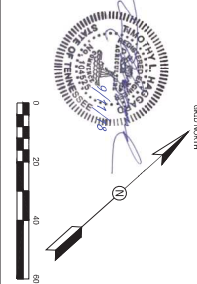
MATCHLINE - PANEL 3		
CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SILT FENCE SEDIMENT BARRIER	A / CD-1
CPB	CURB (COMBINATION) INLET PROTECTION	T / CD-10
APB	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
APB	AREA INLET PROTECTION (STANDARD W/ TIE-BEAM)	I / CD-1
CBP	CATCH BASIN INSERT	K / CD-1
PBP	PIPE CULVERT INLET PROTECTION	F / CD-1



CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 6 - FINAL PHASE

CONFORMED DRAWING - AUGUST 2018



NO.

DATE

DOWN

CHNG

CONFORMED DRAWING

REVISIONS

DESIGNED BY

DRWN BY

CHECKED BY

APPROVED BY

DATE

CDM Smith

CDM Smith

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 7 - INITIAL PHASE

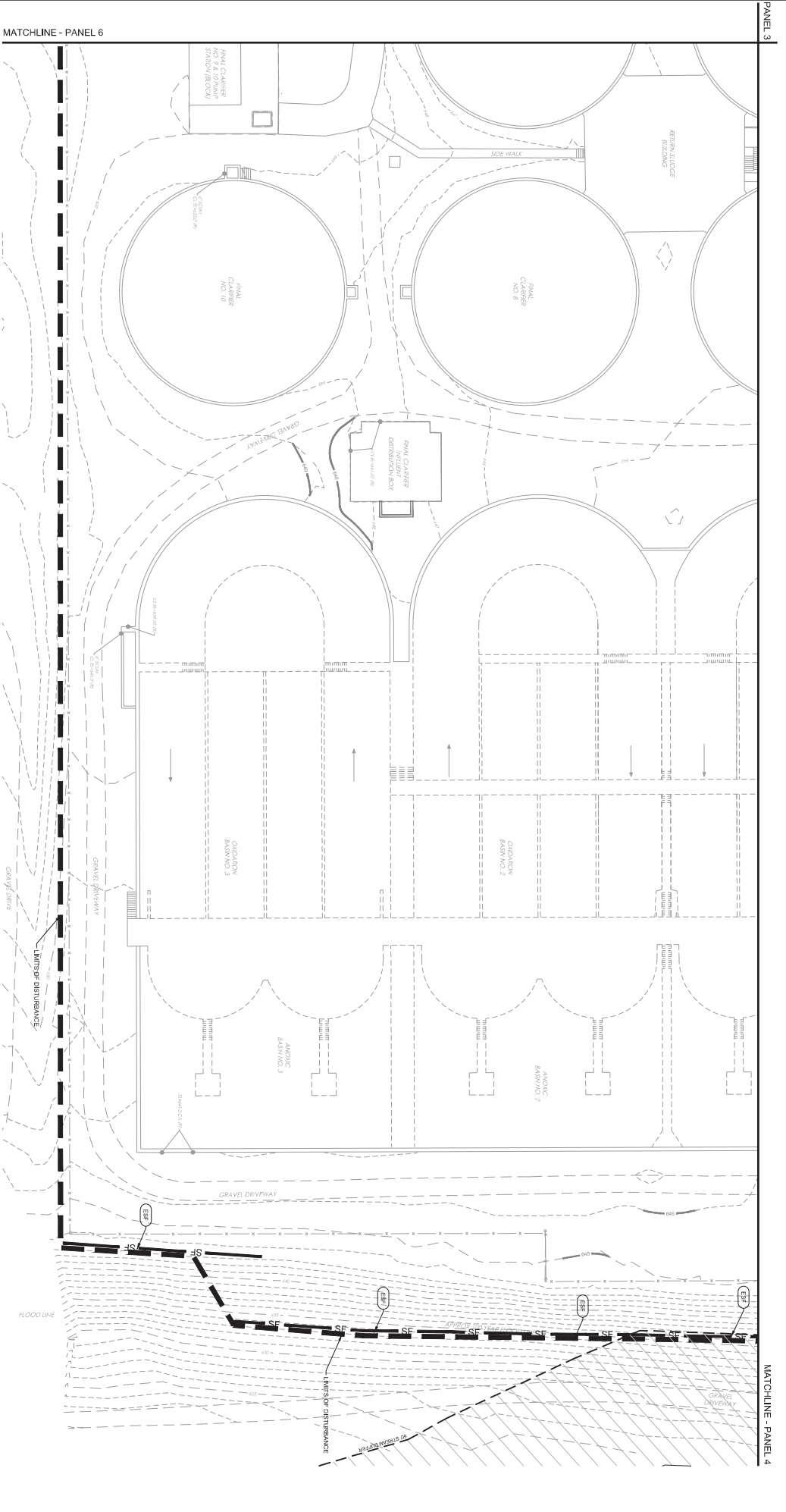
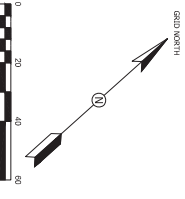
PROJECT NO. 17-0264
SHEET NO. C-44A

EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # SH#
ESP	ENHANCED ALT FENCE SEDIMENT BARRIER	A / CD-1
CDP	CDP COMBINATION INLET PROTECTION	T / CD-10
AP	AREA INLET PROTECTION BLOCK & STONE	D / CD-1
WIP	WATTLE / TUBES CHANNEL APPLICATION	I / CD-1
CSB	CATCH BASIN INLET	K / CD-1
PIP	PIPE OUTLET INLET PROTECTION	F / CD-1

ESP	PIPE OUTLET PROTECTION (RIP-RAP)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
CDP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
SCD	STONE CHECK DAM	E / CD-1
SPB	STONE FILTER BERM	R / CD-2
WCA	WATTLE / TUBES CHANNEL APPLICATION	O / CD-2
WCA	WATTLE / TUBES SLOPE APPLICATION	N / CD-2
ETP	SEDIMENT TRAP	L / CD-2

SSC	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOL LEVEL SPREADER	C / CD-1
CMW	CONCRETE WASHOUT	S / CD-2
SPF	SEDIMENT POND	D / CD-2
SLM	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSD	TEMPORARY SEEDING	N/A
PSO	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



PANEL 3 MATCHLINE - PANEL 4

NO.

DATE

DOWN

CHG

CONFORMED DRAWING

REVISIONS

DESIGNED BY

DRWN BY

CHECKED BY

APPROVED BY

DATE

CDM Smith

CDM Smith

CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 7 - INTERIM PHASE

PROJECT NO.

OFF. PROJ. NAME

SHEET NO.

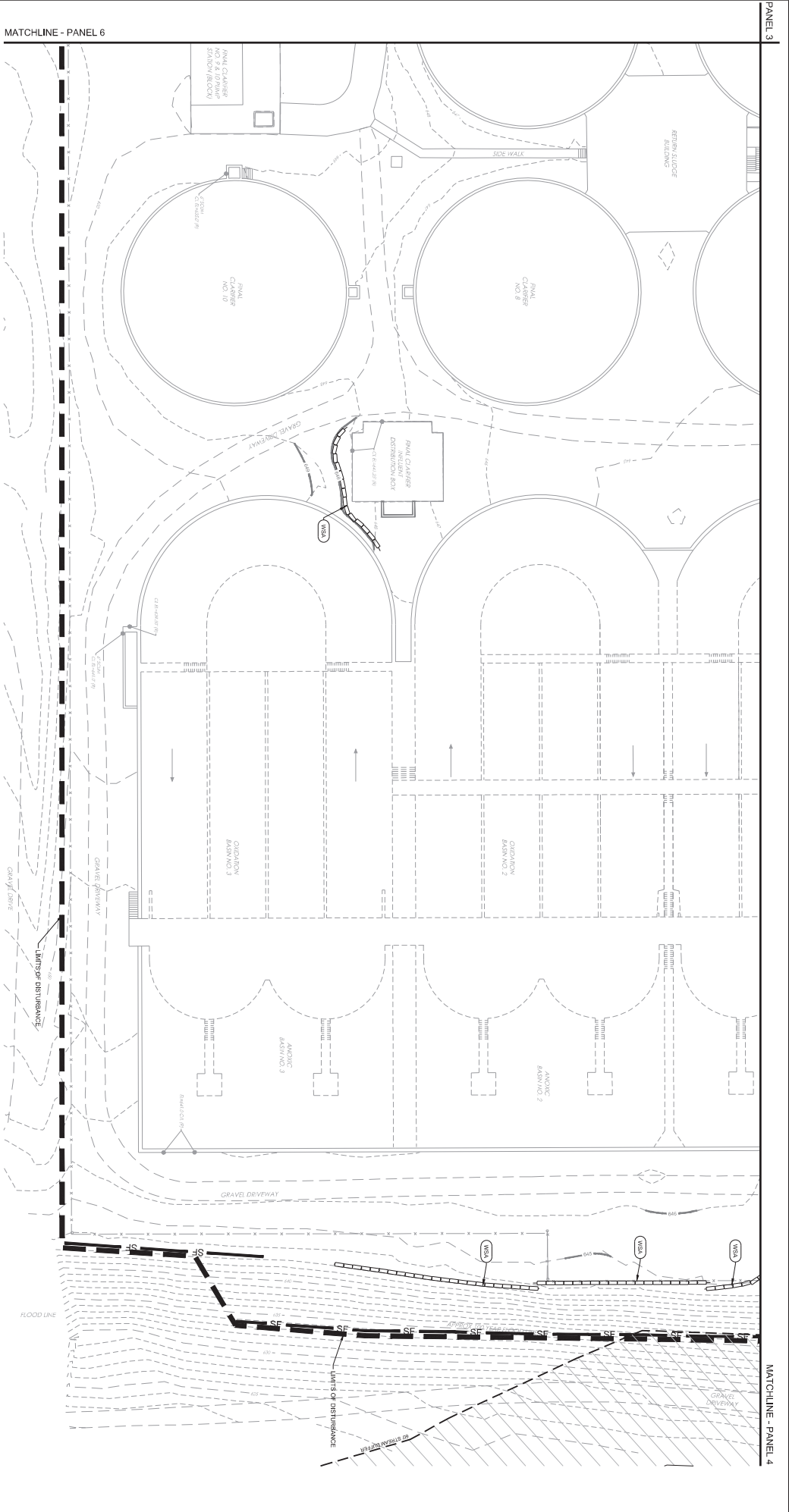
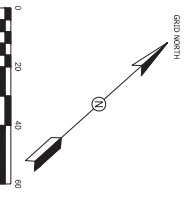
C-44B

EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SFT #
ESP	ENHANCED ALTITUDE SEGMENT BARRIER	A / CD-1
CDP	CDP COMBINATION INLET PROTECTION	T / CD-10
AP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
WIP	WATTLE / TUBES CHANNEL APPLICATION	I / CD-1
CSB	CATCH BASIN INLET	K / CD-1
PIP	PIPE ALBERT INLET PROTECTION	F / CD-1

ESP	PIPE OUTLET PROTECTION (RIP-RAP)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
CDP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
CDP	STONE CHECK DAM	E / CD-1
CDP	STONE FILTER BERM	R / CD-2
WIP	WATTLE / TUBES CHANNEL APPLICATION	O / CD-2
WIP	WATTLE / TUBES SLOPE APPLICATION	N / CD-2
ESP	SEDIMENT TRAP	L / CD-2

SSC	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOL LEVEL SPREADER	C / CD-1
CDP	CONCRETE WASHOUT	S / CD-2
SPD	SEDIMENT POND	D / CD-2
WLS	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSO	TEMPORARY SEEDING	N/A
PSO	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



NO.

DATE

DOWN

CHG

CONFORMED DRAWING

REVISIONS

DESIGNED BY

DRWN BY

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DATE

CDM Smith

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CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 7 - FINAL PHASE

PROJECT NO.

FILE NAME

SHEET NO.

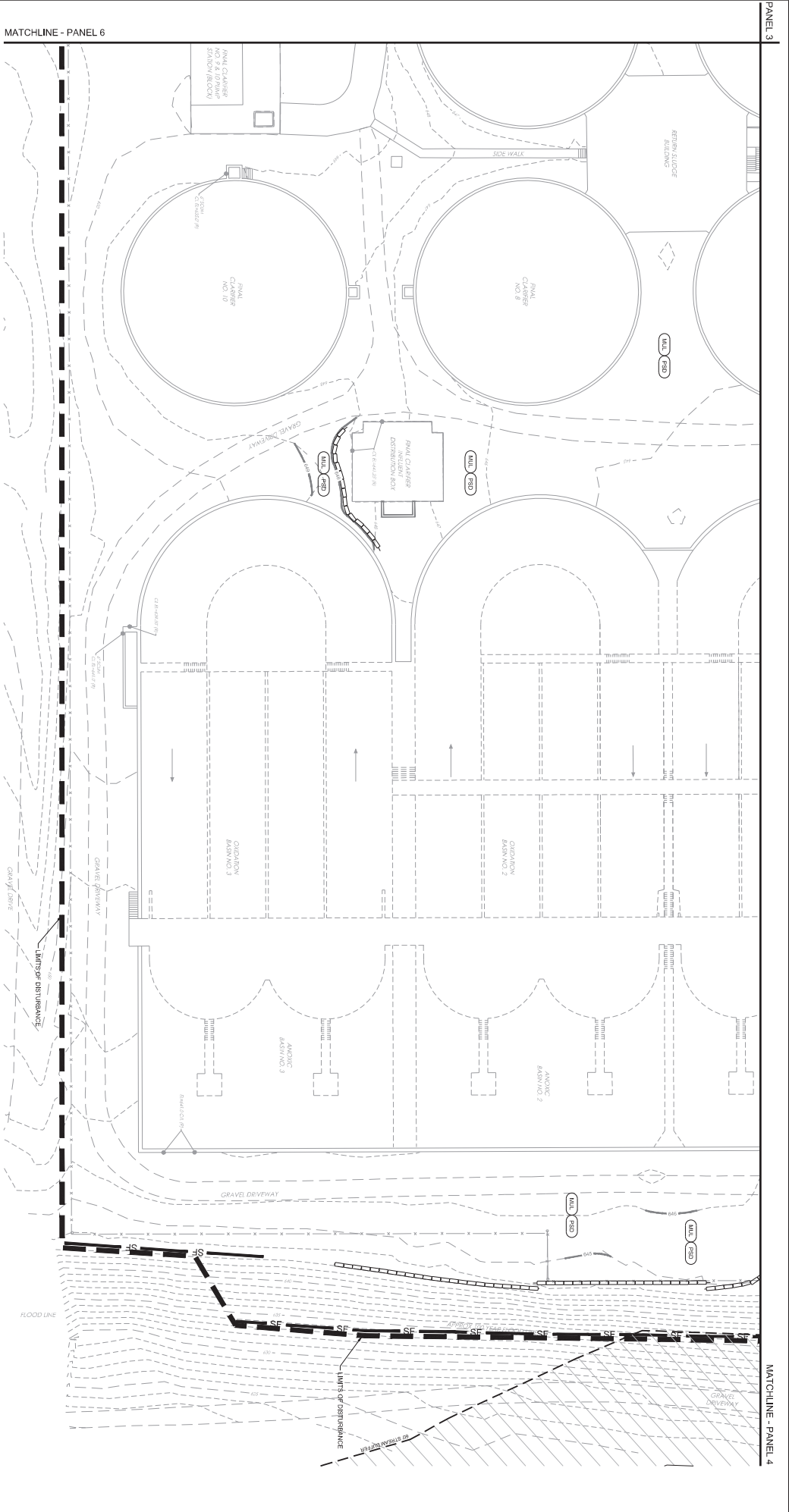
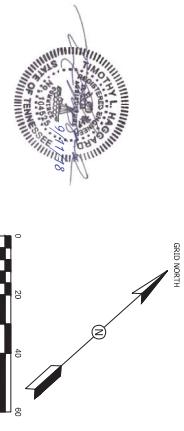
C-44C

EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	DTL # / SFT #
ESP	ENHANCED SLOPE SEGMENT BARRIER	A / CD-1
CDP	CDP (COMBINATION) INLET PROTECTION	T / CD-10
AP	AREA INLET PROTECTION (BLOCK & STONE)	D / CD-1
WIP	WATTLE INLET PROTECTION (BRAND WATTLEBUSH)	I / CD-1
CB	CATCH BASIN INLET	K / I / CD-1
PIP	PIPE OUTLET INLET PROTECTION	F / I / CD-1

ESP	PIPE OUTLET PROTECTION (RIP-RAP)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
CDP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
SCD	STONE CHECK DAM	E / CD-1
SPD	STONE FILTER BERM	R / CD-2
WCA	WATTLE / TUBES CHANNEL APPLICATION	O / CD-2
WCA	WATTLE / TUBES SLOPE APPLICATION	N / CD-2
ETP	SEDIMENT TRAP	L / CD-2

SCD	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOL LEVEL SPREADER	C / CD-1
CDP	CONCRETE WASHOUT	S / CD-2
SPD	SEDIMENT POND	D / CD-2
MLL	STRAW MULCH @ 3 TONS PER ACRE	N/A
TSD	TEMPORARY SEEDING	N/A
PSD	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



PANEL 3

MATCHLINE - PANEL 4

NO.

1

DATE

1/14/18

BY

CHG

REVISIONS

DESIGNED BY

CHG

CHECKED BY

CHG

APPROVED BY

CHG

DATE

1/14/18

CDM Smith

2018 RELEASED BY 1/14/18

2018 RELEASED BY 1/14/18

CITY OF FRANKLIN, TENNESSEE

WATER RECLAMATION FACILITY

MODIFICATIONS AND EXPANSION PROJECT

COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN

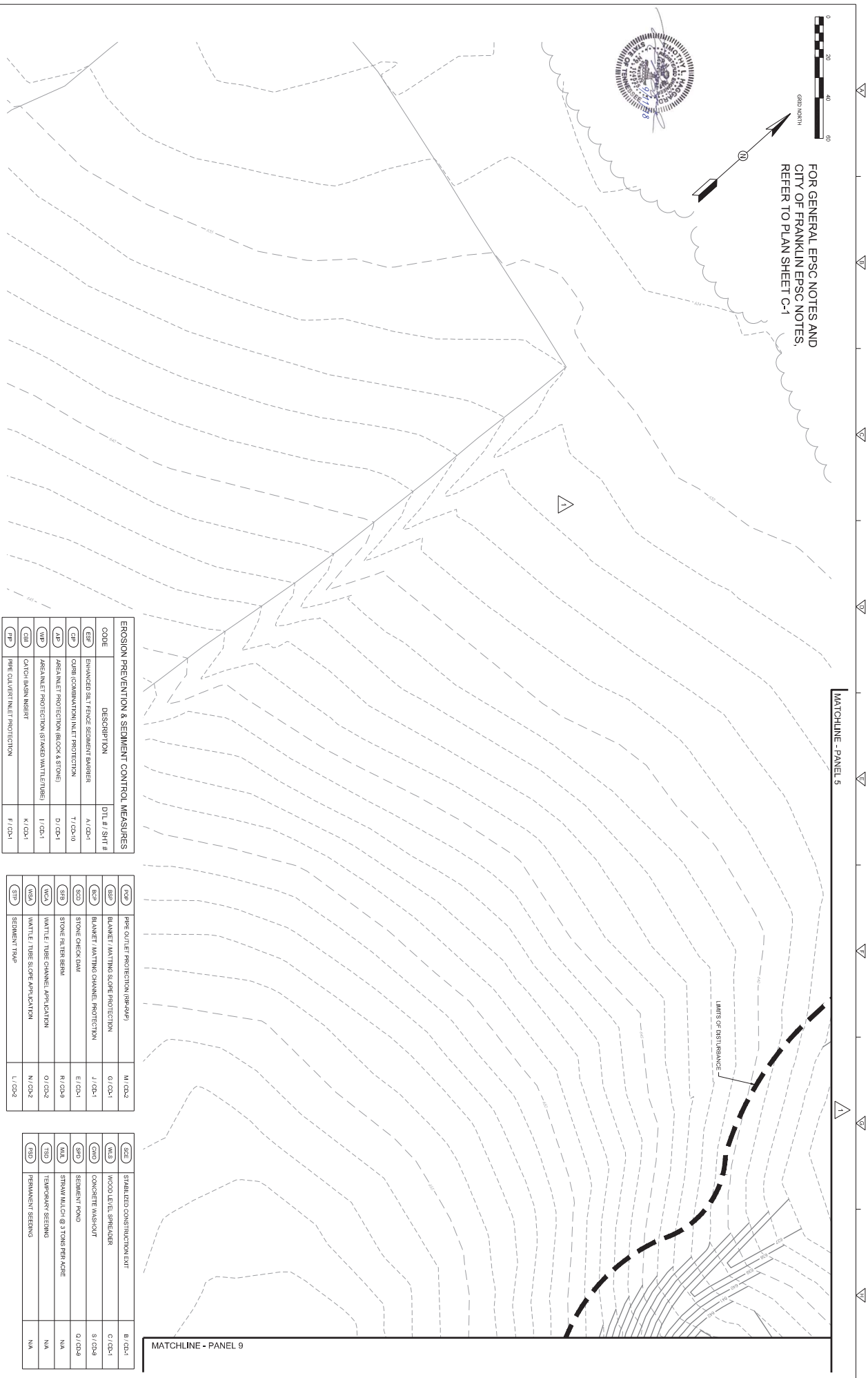
PANEL 8 - INITIAL PHASE

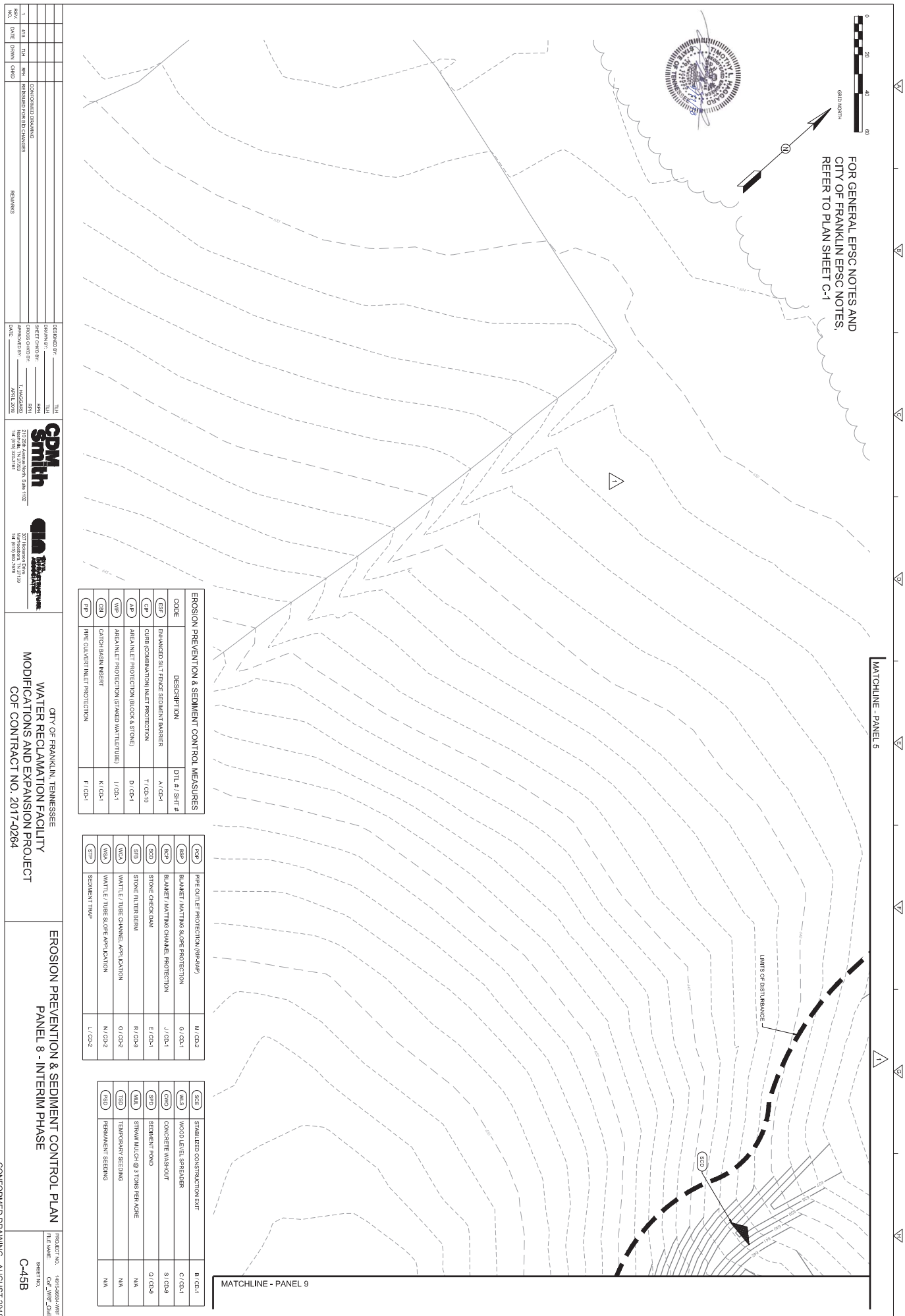
PROJECT NO.

0264-0000

SHEET NO.

C-45A







EROSION PREVENTION & SEDIMENT CONTROL PLAN

PANEL 8 - FINAL PHASE

C-45C

NO.	DATE	BY	CHKD	REVISIONS
1	04/11/18	TH	CH	CONFORMED DRAWING
2	04/11/18	TH	CH	REDESIGNED FOR NEW CHANGES
3	04/11/18	TH	CH	REVISIONS

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
DATE: _____

CDM Smith
14100 E. 15th Avenue, Suite 1102
Denver, CO 80231
Tel: 303.733.3333
Fax: 303.733.3334

CDM
14100 E. 15th Avenue, Suite 1102
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CITY OF FRANKLIN, TENNESSEE
WATER RECLAMATION FACILITY
MODIFICATIONS AND EXPANSION PROJECT
COP CONTRACT NO. 2017-0264

EROSION PREVENTION & SEDIMENT CONTROL PLAN
PANEL 9 - INITIAL PHASE

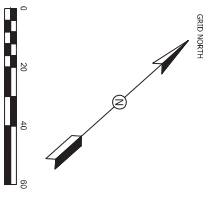
PROJECT NO. C-47A
SHEET NO. 1 OF 2

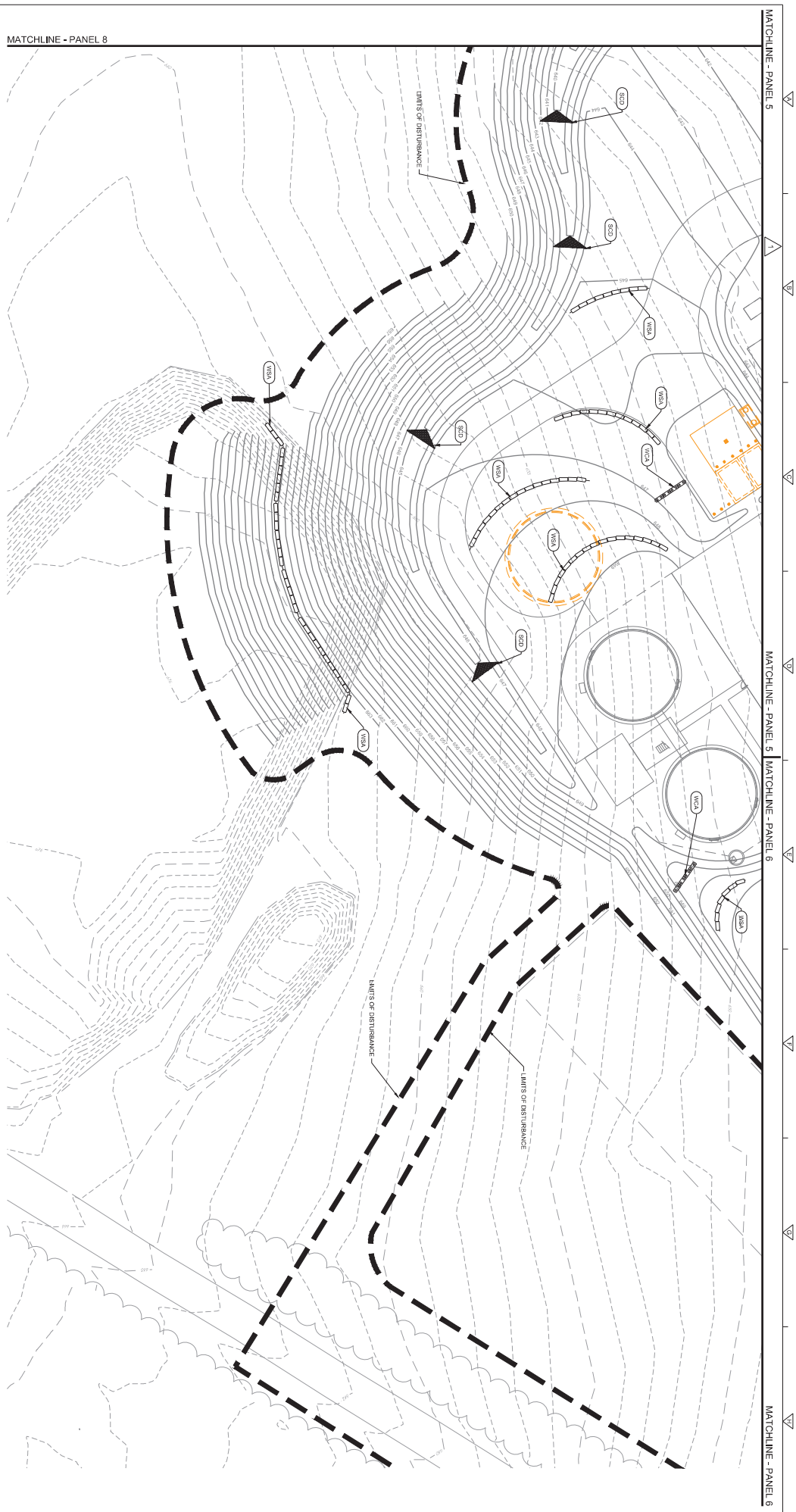
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ESP	ENHANCED SLOPE SEDIMENT BARRIER	A / CD-1
CIP	CORROSION INLET PROTECTION	T / CD-10
IMP	INLET PROTECTION (BROCK & STONE)	D / CD-1
WIP	WATER INLET PROTECTION (STANDARD VENTILATION)	I / CD-1
GP	GRASS PLANTING	K / CD-1
PIP	PIPE ALTERNATE INLET PROTECTION	F / CD-1

ESP	PIPE ALTERNATE PROTECTION (PIPE-AP)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
ESP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
ESP	STONE CHECK DAM	E / CD-1
ESP	STONE FILTER BERM	R / CD-2
ESP	WATTLE / TUBE CHANNEL APPLICATION	O / CD-2
ESP	WATTLE / TUBE SLOPE APPLICATION	N / CD-2
ESP	SEMENT TRAP	L / CD-2

ESP	STABILIZED CONSTRUCTION EXIT	B / CD-1
ESP	WOOD LEVEL SPREADER	C / CD-1
ESP	CONCRETE WASHOUT	S / CD-1
ESP	SEDIMENT POND	O / CD-2
ESP	STRAW MULCH @ 3 TONS PER ACRE	N/A
ESP	TEMPORARY SEEDING	N/A
ESP	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1



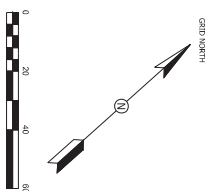


EROSION PREVENTION & SEDIMENT CONTROL MEASURES		
CODE	DESCRIPTION	D.I. #, SRT #
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QIP	QUBB COORDINATE INLET PROTECTION	T / CD-10
AP	AREA INLET PROTECTION (IL DCH & STORM)	D / CD-1
WIP	AREA INLET PROTECTION (STORM WATER / URB)	I / CD-1
CIL	CATCH BASIN INLET	K / CD-1
PIP	PIPE CULVERT INLET PROTECTION	F / CD-1

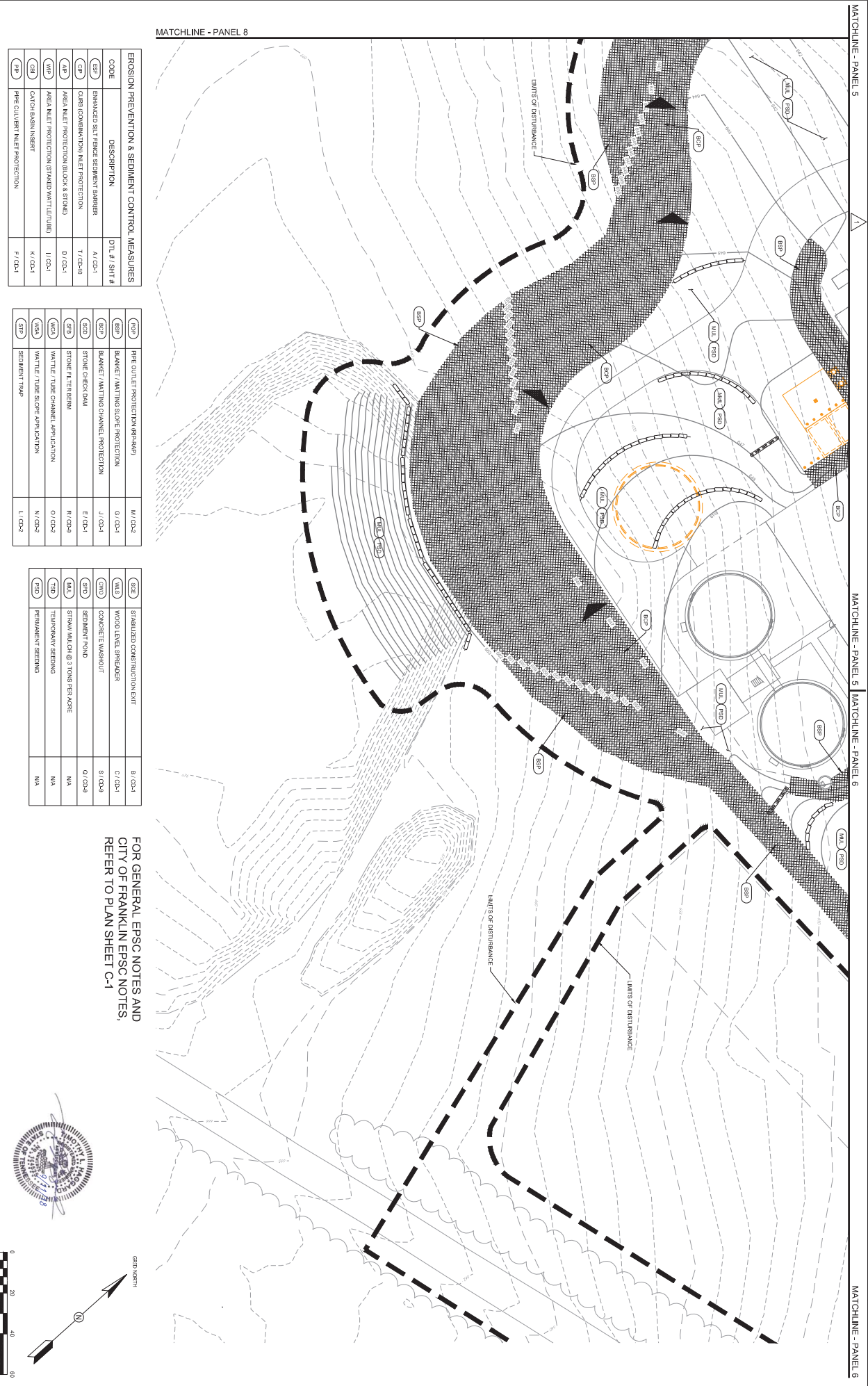
POD	PPE OUTLET PROTECTION (PPEADP)	M/DC2
BSR	BURNER/ WATINGS SCRE PROTECTION	G/DC4
BDP	BURNER/ WATINGS CHANNEL PROTECTION	J/DC4
SCD	STONE CHECK DAM	E/DC4
STB	STONE FILTER BURN	R/DC4
WCA	WATTE/ TUBE CHANNEL APPLICATION	O/DC2
WDA	WATTE/ TUBE SCRE APPLICATION	N/DC2
STP	SEWAGE TRAP	L/DC2

SCB	STABILIZED CONSTRUCTION EXIT	B / CD-1
WLS	WOOD LEVEL SPREADER	C / CD-1
OWD	CONCRETE WASHOUT	S / CD-9
SRD	SEDIMENT POND	O / CD-9
WAL	STRAW MULCH @ 3 TONS PER ACRE	N/A
TRD	TEMPORARY SEEDING	N/A
PRD	PERMANENT SEEDING	N/A

FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1

[illegible]

NO.	DATE	BY	CHKD	REVISIONS	DESIGNED BY	CDM Smith	CDM Smith	CITY OF FRANKLIN, TENNESSEE WATER RECLAMATION FACILITY MODIFICATIONS AND EXPANSION PROJECT COP CONTRACT NO. 2017-0264	EROSION PREVENTION & SEDIMENT CONTROL PLAN PANEL 9 - FINAL PHASE	PROJECT NO. C-47C
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99	04/18/2018	T. HASKARD	NO	REVISION FOR PER CHANGES	T. HASKARD	NO	NO			
100	04/18/2018	T. HASKARD	NO	REVISION FOR PER CHANGES	T. HASKARD	NO	NO			



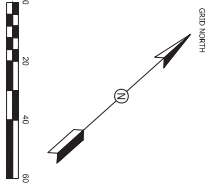
MATCHLINE - PANEL 8

CODE	DESCRIPTION	DTL # / SHT #
ESP	ENHANCED SLOPE SEDIMENT BARRIER	A / CD-1
CIP	CORROSION INLET PROTECTION	T / CD-10
IMP	INLET PROTECTION (BROOK & STONE)	D / CD-1
IMP	INLET PROTECTION (STANDARD VAULT)	I / CD-1
IMP	CATCH BASIN INLET	K / CD-1
IMP	PIPE ALLEVIANT INLET PROTECTION	F / CD-1

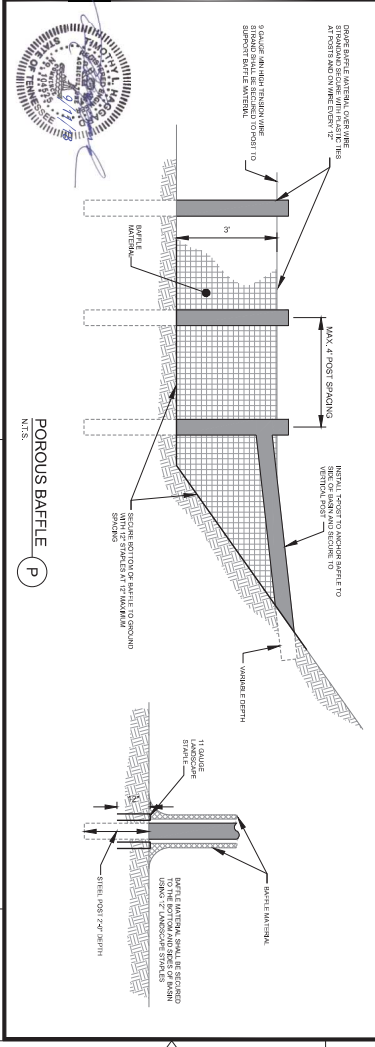
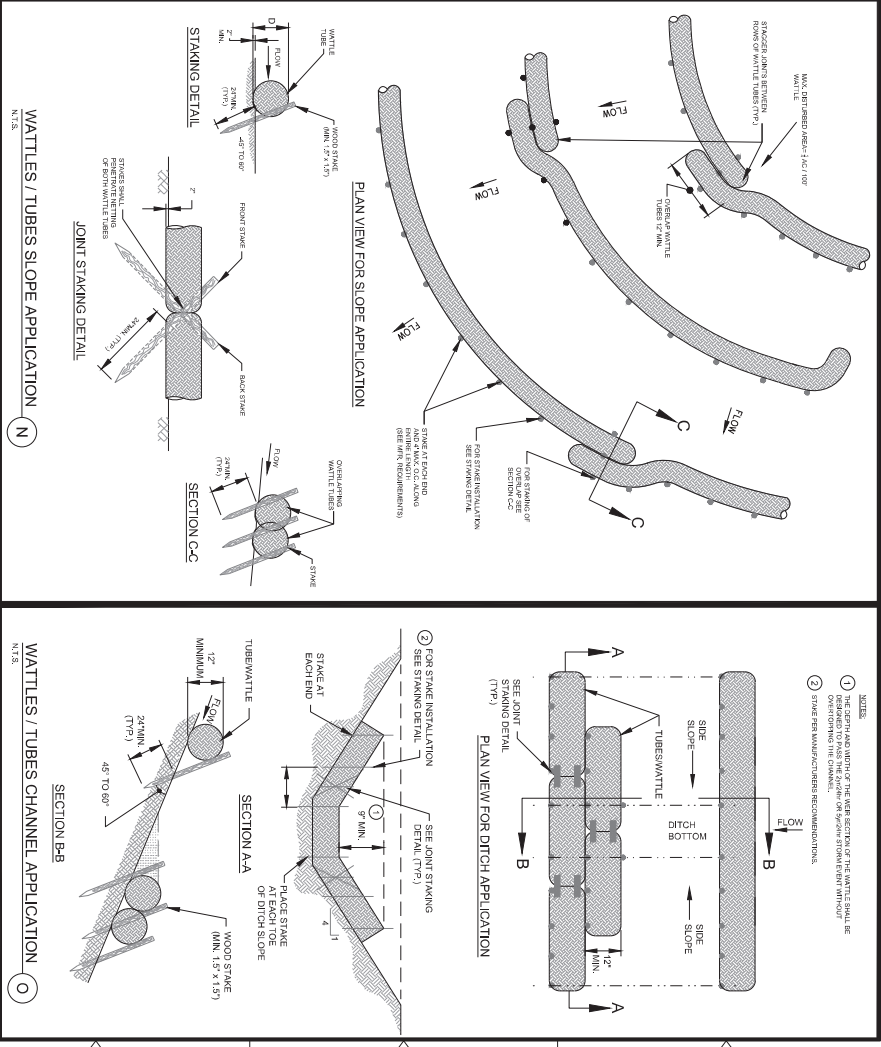
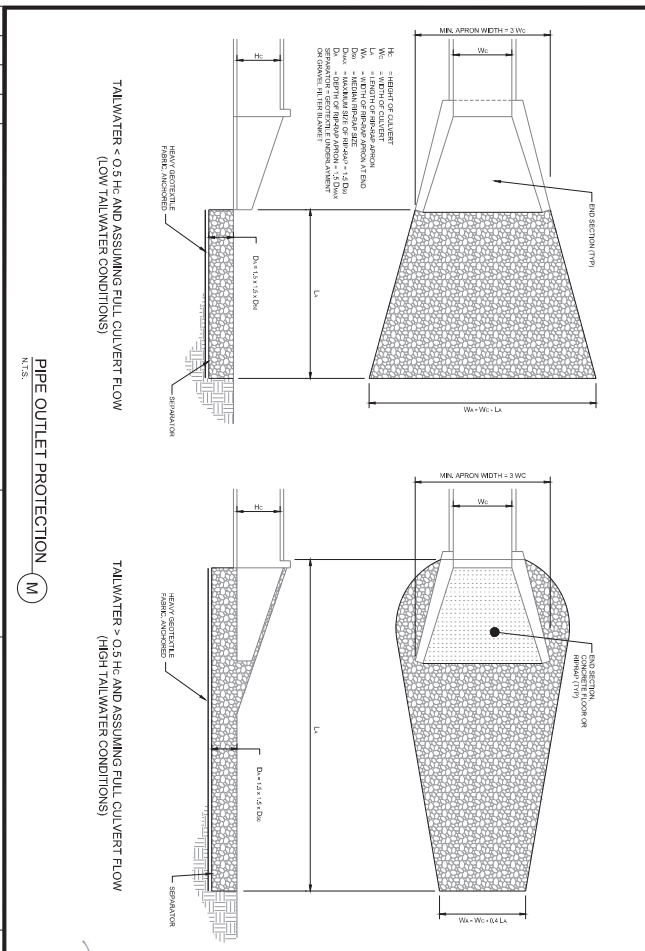
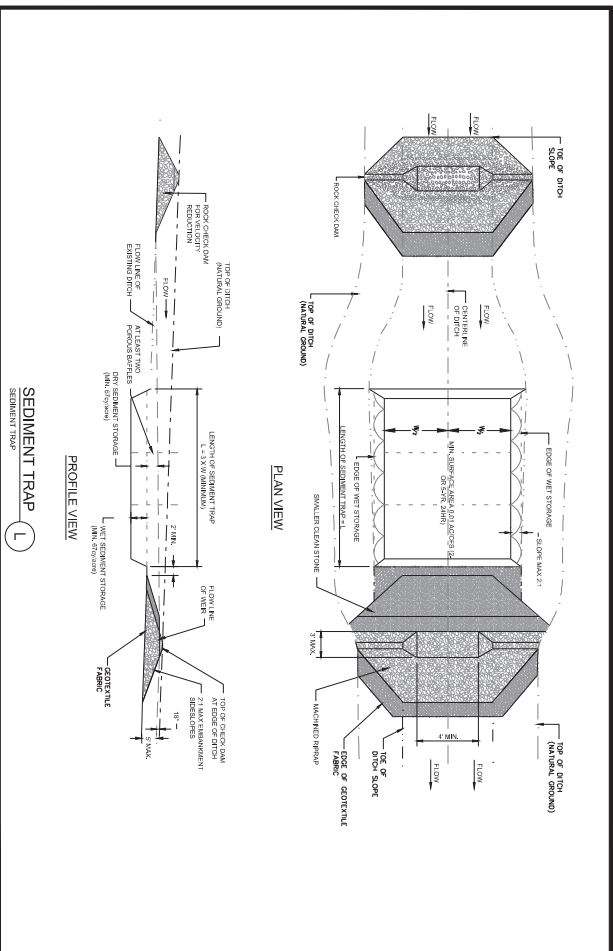
ESP	PIPE ALLEVIANT PROTECTION (RIP-RAP)	M / CD-2
ESP	BLANKET / MATING SLOPE PROTECTION	G / CD-1
ESP	BLANKET / MATING CHANNEL PROTECTION	J / CD-1
ESP	STONE CHECK DAM	E / CD-1
ESP	STONE FILTER BERM	R / CD-2
ESP	WATTLE / FIBRE CHANNEL APPLICATION	O / CD-2
ESP	WATTLE / FIBRE SLOPE APPLICATION	N / CD-2
ESP	SEDIMENT TRAP	L / CD-2

ESP	STABILIZED CONSTRUCTION EXIT	B / CD-1
ESP	WOOD LEVEL SPREADER	C / CD-1
ESP	CONCRETE WASHOUT	S / CD-1
ESP	SEDIMENT POND	O / CD-2
ESP	STRAW MULCH @ 3 TONS PER ACRE	N/A
ESP	TEMPORARY SEEDING	N/A
ESP	PERMANENT SEEDING	N/A

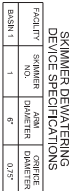
FOR GENERAL EPSC NOTES AND
CITY OF FRANKLIN EPSC NOTES,
REFER TO PLAN SHEET C-1







DESIGNED BY	THL	 CDM Smith CITY OF FRANKLIN, TENNESSEE WATER RECLAMATION FACILITY MODIFICATIONS AND EXPANSION PROJECT COF CONTRACT NO. 2017-0264	CIVIL DETAILS
DRAWN BY	THL		
CHECKED BY	THL		
IN CHARGE BY	THL		
DATE	11/14/2017		
CONTRACT NO.	2017-0264	 CDM Smith 20720 Avenida North, Suite 100 Irvine, CA 92618 Tel: (949) 222-2222 Fax: (949) 222-2222	CIVIL DETAILS
PROJECT NO.	2017-0264		
DATE	11/14/2017		
CONTRACT NO.	2017-0264		
DATE	11/14/2017		

[illegible]

SEDIMENT BOND (

CONCRETE BASE FOR EMBANKMENT TO OR LESS IN HEIGHT

PLAN VIEW

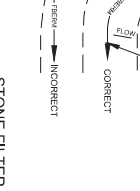
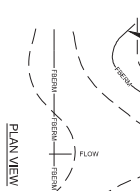
NOT TO SCALE

CONCRETE WASHOUT

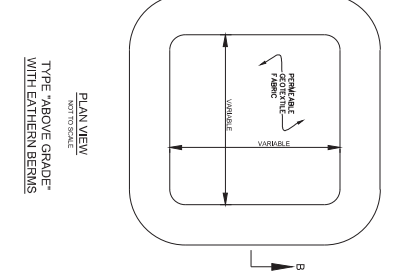
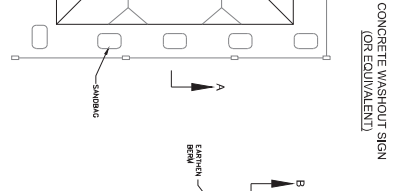
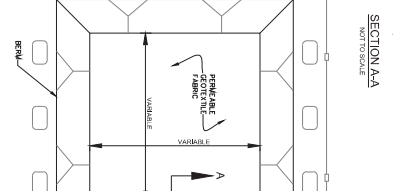
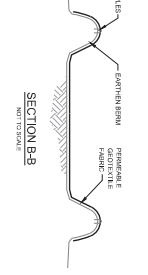
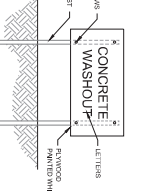
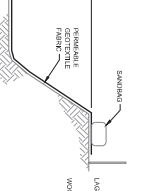
**TYPE "ABOVE GRADE"
WITH EATHERN BERMS**

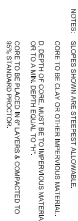
NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. GRADE IDENTIFYING THE CONCRETE WITHOUT AREA SHALL BE IDENTIFIED WITHIN 5' OF THE WARDOUT FACILITY.



WORLDWIDE SCORING (N)	NEEDS IDENTIFICATION BY BRIEF SCORING (N=17)
<2	168
2-6	100
7-10	75
11-20	25
>20	NOT ALLOWED



ON-SITE SEWAGE TREATMENT AND DISPOSAL SYST

- ## WATER MAIN CLEARANCE REQUIREMENTS



Appendix G

Construction Stormwater Inspection Certification

**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)**

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

1-888-891-8332 (TDEC)

General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)**Construction Stormwater Inspection Certification (Twice-Weekly Inspections)**

Site or Project Name: City of Franklin Water Reclamation Facility		NPDES Tracking Number: TNR
Primary Permittee Name: City of Franklin, TN		Date of Inspection:
Current approximate disturbed acreage:	Has rainfall been checked/documented daily? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name of Inspector:
Current weather conditions:		Inspector's Training Certification Number:

Please check the box if the following items are on-site:

- ☐ Notice of Coverage (NOC) ☐ Stormwater Pollution Prevention Plan (SWPPP) ☐ Twice-weekly inspection documentation
☐ Site contact information ☐ Rain Gage ☐ Off-site Reference Rain Gage Location: _____

Best Management Practices (BMPs):**Are the Erosion Prevention and Sediment Controls (EPSCs) functioning correctly:** If "No," describe below in Comment Section

- | | | |
|--|------------------------------|--|
| 1. Are all applicable EPSCs installed and maintained per the SWPPP? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Are EPSCs functioning correctly at outfall/discharge points such that there is no objectionable color contrast in the receiving stream, and no other water quality impacts per section 5.3.2? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Are EPSCs functioning correctly at ingress/egress points such that there is no evidence of track out? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. If applicable, have discharges from dewatering activities been managed by appropriate controls per section 4.1.4? If "No," describe below the measures to be implemented to address deficiencies. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. If construction activity at any location has temporarily/permanently ceased, was the area stabilized within 14 days per section 3.5.3.2? If "No," describe below each location and measures taken to stabilize the area(s) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Have pollution prevention measures been installed, implemented, and maintained to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters per section 4.1.5? If "No," describe below the measures to be implemented to address deficiencies. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. If a concrete washout facility is located on site, is it clearly identified on the project and maintained? If "No," describe below the measures to be implemented to address deficiencies. | <input type="checkbox"/> N/A | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Have all previous deficiencies been addressed? If "No," describe remaining deficiencies in Comment section. <input type="checkbox"/> Check if deficiencies/corrective measures have been reported on a previous form. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Comment Section. If the answer is "No" for any of the above, please describe the problem and corrective actions to be taken. Otherwise, describe any pertinent observations:

Certification and Signature (must be signed by the certified inspector and the permittee per Sections 3.5.8.2 (g) and 7.7.2 of the CGP)

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Inspector Name and Title:	Signature:	Date:
Primary Permittee Name and Title:	Signature:	Date:

Construction Stormwater Inspection Certification Form (Twice-Weekly Inspections)

Purpose of this form/ Instructions

An inspection, as described in section 3.5.8.2. of the General Permit for Stormwater Discharges from Construction Activities ("Permit"), shall be performed at least twice every calendar week and documented on this form. Inspections shall be performed at least 72 hours apart. Where sites or portion(s) of construction sites have been temporarily stabilized, or runoff is unlikely due to winter conditions (e.g., site covered with snow or ice), such inspection only has to be conducted once per month until thawing results in runoff or construction activity resumes.

As described in section 3.5.8.1 of the Permit, inspectors performing the required twice weekly inspections must have an active certification by completing the "Fundamentals of Erosion Prevention and Sediment Control Level I" course (<http://www.tnepsc.org/>). Twice weekly inspections can also be performed by: a licensed professional engineer or landscape architect; a Certified Professional in Erosion and Sediment Control (CPESC) or a person who has successfully completed the "Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites" course. A copy of the certification or training record for inspector certification should be kept on site.

Qualified personnel, (provided by the permittee or cooperatively by multiple permittees) shall inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall.

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the site's drainage system. Erosion prevention and sediment control measures shall be observed to ensure that they are operating correctly.

Outfall points (where discharges leave the site and/or enter waters of the state) shall be inspected to determine whether erosion prevention and sediment control measures are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations shall be inspected. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, any inadequate control measures or control measures in disrepair shall be replaced or modified, or repaired as necessary, before the next rain event if possible, but in no case more than 7 days after the need is identified.

Based on the results of the inspection, the site description identified in the SWPPP in accordance with section 3.5.1 of the Permit and pollution prevention measures identified in the SWPPP in accordance with section 3.5.2 of the Permit, shall be revised as appropriate, but in no case later than 7 days following the inspection. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.

All inspections shall be documented on this Construction Stormwater Inspection Certification form. Alternative inspection forms may be used as long as the form contents and the inspection certification language are, at a minimum, equivalent to the division's form and the permittee has obtained a written approval from the division to use the alternative form. Inspection documentation will be maintained on site and made available to the division upon request. Inspection reports must be submitted to the division within 10 days of the request.

Trained certified inspectors shall complete inspection documentation to the best of their ability. Falsifying inspection records or other documentation or failure to complete inspection documentation shall result in a violation of this permit and any other applicable acts or rules.

Appendix H

Notice of Intent (NOI)

**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)**Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)**

Site or Project Name: City of Franklin Water Reclamation Facility		NPDES Tracking Number: TNR	
Street Address or Location: 135 Claude Yates Drive, Franklin, TN 37064		Construction Start Date: 11/01/18	
		Estimated End Date: 10/31/21	
Site Description: Existing Water Reclamation Facility (Wastewater Plant)		Latitude (dd.dddd): 35.9413°	
		Longitude (-dd.dddd): -86.8695°	
County(ies): Williamson		MS4 (if applicable): Franklin	
Acres Disturbed: 40.3 Acres		Total Acres: 109.6 Acres	
Check box if a SWPPP is attached : <input checked="" type="checkbox"/>		Check box if a site location map is attached: <input checked="" type="checkbox"/>	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams <input checked="" type="checkbox"/> Wetlands <input type="checkbox"/>			
Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Note: if yes, attach the jurisdictional determination			
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S) n/a			
Receiving waters: Harpeth River			

Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): City of Franklin, TN (owner)			
For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: n/a (an incorrect SOS control number may delay NOI processing)			
Site Owner or Developer Contact Name: (signs the certification below) Mark Hilty		Title or Position: Assistant City Administrator	
Mailing Address: City Hall, 109 3rd. Avenue South		City: Franklin	State: TN Zip: 37064
Phone: (615) 791-3217	Fax: () n/a	E-mail: mark.hilty@franklintn.gov	

Optional Contact: Brian Goodwin, PE		Title or Position: Assistant Director of Water Management	
Mailing Address: 124 Lumber Drive		City: Franklin	State: TN Zip: 37064
Phone: (615) 794-4554	Fax: () n/a	E-mail: brian.goodwin@franklintn.gov	

Owner/Developer(s) Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)		
I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.		
Owner/Developer Name (print/type): City of Franklin, TN	Signature:	Date:
Owner/Developer Name (print/type): n/a	Signature:	Date:

Contractor Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)		
I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16- 702(a)(4), this declaration is made under penalty of perjury.		
Contractor name, address, and SOS control number (if applicable): Kiewit Infrastructure South Co, Norcross,GA (SOS# 000037764)	Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

CONSTRUCTION GENERAL PERMIT - NOTICE OF INTENT (NOI) - INSTRUCTIONS

A completed NOI must be submitted to obtain coverage under the CGP. **Requesting coverage under this permit means that an applicant has obtained and examined a copy of this permit, and thereby acknowledges applicant's claim of ability to be in compliance with permit terms and conditions.** CGP coverage is required for stormwater (SW) discharge(s) from construction activities including clearing, grading, filling and excavating (including borrow pits) of one or more acres of land. This form should be submitted at least 30 days prior to the commencement of land disturbing activities, or no later than 48 hours prior to when a new operator assumes operational control over site specifications or commences work at the site.

The application fee must accompany the NOI and is based on total acreage to be disturbed by an entire project, including any associated construction support activities (e.g., equipment staging yards, material storage areas, excavated material disposal areas, borrow or waste sites, etc.). A separate annual maintenance fee is also required for activities that exceed 1 year under CGP coverage. See TN Rules, Chapter 0400-40-11-.02(b)(12).

Acres Disturbed	= or > 150 acres	= or > 50 < 150 acres	= or > 20 < 50 acres	= or > 5 < 20 acres	= or > 1 < 5 acres	Subsequent coverage
Fee	\$10,000	\$6,000	\$3,000	\$1,000	\$250	\$100

Who must submit the NOI form? All site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of SW associated with construction activity means any person associated with a construction project who meets either or both of the following two criteria: (1) The person has operational or design control over construction plans and specifications, including the ability to make modifications to those plans and specifications. This person is typically the owner or developer of the project or a portion of the project (e.g., subsequent builder), or the person that is the current land owner of the construction site, and is considered the primary permittee; or (2) The person has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions. This person is typically a contractor or a commercial builder who is hired by the primary permittee, and is considered a secondary permittee.

Owners, developers and all contractors that meet the definition of the operator in subsection 2.2 of the permit shall apply for permit coverage on the same NOI, insofar as possible. After permit coverage has been granted to the initial site-wide primary permittee, any subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The comprehensive site-specific SWPPP shall be prepared in accordance with the requirements of part 3 of the permit and must be submitted with the NOI unless the NOI being submitted is to add a subsequent permittee to an existing coverage. **Artificial entities (e.g., corporations or partnerships) must submit the correct Tennessee Secretary of State, Division of Business Services, control number. General partnerships. For general partnerships, the NOI must be signed by each general partner in the general partnership.**

The NOI will be considered incomplete without a correct control number, and the division reserves the right to deny coverage to artificial entities that are not properly registered and in good standing with the Tennessee Secretary of State (i.e., listed with an entity status of "active"). The division further reserves the right to issue permit coverage in the correct legal name of the individual or entity seeking coverage and to name each general partner of a general partnership in addition to the general partnership.

Complete the form: Type or print clearly. Answer each item or enter "NA," for not applicable. If you need additional space, attach a separate piece of paper to the NOI form. **The NOI will be considered incomplete without a permit fee and comprehensive site-specific SWPPP (if applicable).**

Describe and locate the project: Use the legal or official name of the construction site. If a construction site lacks street name or route number, give the most accurate information available to describe the location (reference to adjacent highways, roads and structures; eg., intersection of state highways 70 and 100). Latitude and longitude (in decimal degrees) can be found at numerous other web sites. Attach a copy of a map, showing location of site, with boundaries at least one mile outside the site boundaries. Provide estimated starting date of clearing activities and completion date of the project, and an estimate of the number of acres of the site on which soil will be disturbed, including borrow areas, fill areas, stockpiles and the total acres. For linear projects, give location at each end of the construction area.

Name of the receiving waters: Trace the route of stormwater runoff from the site and determine the name of the water course(s) into which the runoff drains. Note that the water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the waterbody that the unnamed tributary enters.

An ARAP may be required: **If your work will disturb or cause alterations of a stream or wetland, you must obtain an appropriate Aquatic Resource Alteration Permit (ARAP).** If wetlands are located on-site and may be impacted, attach the wetland delineation report. If you have a question about the ARAP program, contact your local Field Office (EFO).

Submitting the form and obtaining more information: Note that this form must be signed by the company President, Vice-President, or a ranking elected official in the case of a municipality, for details see subpart 2.5. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed NOI form (keep a copy for your records) to the appropriate EFO for the county(ies) where the construction activity is located, addressed to **Attention: Stormwater NOI Processing.**

Notice of Coverage: The division will review NOIs for completeness and accuracy and issue an NOC to site-wide primary operators, authorizing SW discharge from the construction site as of the effective date of the NOC. New subsequent operators will not receive an NOC, but are considered covered under the permit when their permit record is published on TDEC's dataviewer as "active" and with an effective date. TDEC Permit Dataviewer can be found at: http://environment-online.tn.gov:8080/pls/enf_reports/f?p=9034:34001:0

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy, Suite 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601

Appendix I

Notice of Termination (NOT)

**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)**

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

1-888-891-TDEC (8332)

Notice of Termination (NOT) for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

This form is required to be submitted when requesting termination of coverage from the CGP. The purpose of this form is to notify the TDEC that either all stormwater discharges associated with construction activity from the portion of the identified facility where you, as an operator, have ceased or have been eliminated; or you are no longer an operator at the construction site. Submission of this form shall in no way relieve the permittee of permit obligations required prior to submission of this form. Please submit this form to the local DWR Environmental Field Office (EFO) address (see table below). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC).

Type or print clearly, using ink.

Site or Project Name: City of Franklin Water Reclamation Facility	NPDES Tracking Number: TNR
Street Address or Location: 135 Claude Yates Dr, Franklin, TN 37067	County(ies): Williamson

Name of Permittee Requesting Termination of Coverage: City of Frankin, TN			
Permittee Contact Name:		Title or Position:	
Mailing Address:	City:	State:	Zip:
Phone:	E-mail:		

Check the reason(s) for termination of permit coverage:

<input type="checkbox"/>	Stormwater discharge associated with construction activity is no longer occurring and the permitted area has a uniform 70% permanent vegetative cover OR has equivalent measures such as rip rap or geotextiles, in areas not covered with impervious surfaces.
<input type="checkbox"/>	You are no longer the operator at the construction site (i.e., termination of site-wide, primary or secondary permittee coverage).

Certification and Signature: (must be signed by president, vice-president or equivalent ranking elected official)

I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity from the portion of the identified facility where I was an operator have ceased or have been eliminated or (b) I am no longer an operator at the construction site. I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity under this general permit, and that discharging pollutants in stormwater associated with construction activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act.

For the purposes of this certification, elimination of stormwater discharges associated with construction activity means that all stormwater discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have been eliminated from the portion of the construction site where the operator had control. Specifically, this means that all disturbed soils at the portion of the construction site where the operator had control have been finally stabilized, the temporary erosion and sediment control measures have been removed, and/or subsequent operators have obtained permit coverage for the site or portions of the site where the operator had control.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Permittee name (print or type):	Signature:	Date:
---------------------------------	------------	-------

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett, TN	38133	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305	Chattanooga	1301 Riverfront Parkway, Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



Kiewit

Kiewit Infrastructure South Co.
4405 International Blvd., NW, Suite C-101
Norcross, GA 30093

April 26, 2019

To: Attn: Mr. Dan Harris

GC-KIEWIT-00010.00

CDM Smith, Inc.
210 25th Avenue North
Suite 1102
Nashville, TN 37203

Reference: Franklin WRF Modifications & Expansion Project
COF Contract No. 2017-0264

Subject: CCA-002 Reissuance of Select Civil Drawings and Final SWPP

Dear Mr. Harris,

Kiewit has received **Construction Change Authorization (CCA) 002** regarding the **Reissuance of Select Civil Drawings and Final SWPP**. Upon further evaluation of this CCA, Kiewit is in agreement that the changes identified in this CCA will result in **no cost or schedule impact** to the above referenced contract.

If you have any questions, please do not hesitate to contact me at (678) 794-2121.

Sincerely,

Steve Davis
Project Manager

cc: File
Michelle Hatcher