City of Dublin

BULLETIN #003

CONTRACT NO.: 15-015-CIP	DESIGNER: EMH&T
PROJECT NAME: John Shields Parkway, Phase 2	PROJECT MANAGER: Mandy Bishop, P.E., S.I. - GPD
CONTRACTOR: Nickolas Savko and Sons, Inc.	
DATE: JUNE 14, 2016	

SPEC. NO.: Varies	DRAWING(S) NO.(S): REVISED SHEETS 18, 19, 32, 63A, 63B, 71, 86A, 88A

Please submit your cost proposal for the following change(s):

EMH&T Revision 4 – Revises changes made to the Columbus Industrial Entrance and Parking Lot Modifications.

Please provide your response to this Bulletin by: June 28, 2016

PURPOSE OF CHANGE: Design Changes

ATTACHMENT(S): REVISED SHEETS 18, 19, 32, 63A, 63B, 71, 86A, 88A

Any claim for costs, Change Order, or time based on this bulletin must involve one of the following methods:

Method of determining change in Contract Price – Check One

TIME AND MATERIALS ☐
UNIT PRICE ☒
OTHER ☐

IF "OTHER" IS CHECKED PROVIDE EXPLANATION: Click here to enter text.

ESTIMATED CHANGE IN CONTRACT PRICE (±): TBD

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Method of determining change in Contract Time – Check One

CONTRACTOR'S RECORDS ☐
ENGINEER'S RECORDS ☐
CONTRACTOR'S SCHEDULE ☐
OTHER ☒

IF "OTHER" IS CHECKED PROVIDE EXPLANATION: No expected change in contract time

ESTIMATED CHANGE IN CONTRACT TIME IN DAYS (±): 0

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

SIGNATURE PAGE

Recommended By:

Name: Mandy K. Bishop, PE, SI Signature: _____ for Date: June 14, 2016

Distribution:
Original – Contractor
Copy – Client/Owner - Concurrence
Copy – Client/Owner - Authorization
Copy – Designer
Copy - Resident Engineer/Chief Inspector
Copy – File

Engineering
5800 Shier Rings Road
Dublin, Ohio 43016

phone 614.410.4600
fax 614.410.4699

www.dublinohiousa.gov

CMS	ITEM	SUBTOTAL JSP 2	SUBTOTAL GRAHAM	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						ROADWAY	
CMSC	201	LUMP		LUMP	L SUM	CLEARING AND GRUBBING, AS PER PLAN	8
CMSC	202	7,542		7,542	SQ FT	CONCRETE WALK REMOVED	
CMSC	202	4 ~~6,861~~ 7117		~~6,861~~ 7117	FT	CURB REMOVED	
CMSC	202	452		452	FT	CURB & GUTTER REMOVED	
CMSC	202		120	120	FT	MISC. REMOVAL: RAILROAD TIE REMOVED	37
CMSC	202	7		7	EACH	MANHOLE REMOVED	
CMSC	202	5,516		5,516	FT	PIPE REMOVED, 24" AND UNDER	
CMSC	202	671		671	FT	PIPE REMOVED, GREATER THAN 24"	
CMSC	202	25		25	EACH	CATCH BASIN REMOVED	
CMSC	202	1		1	L SUM	REMOVAL MISC.: SITE LIGHTING SYSTEM REMOVED	
CMSC	202	965		965	SQ FT	BRICK WALK REMOVED	
CMSC	202	492		492	FT	FENCE REMOVED	
CMSC	202	2,729		2,729	LF	MISC. REMOVAL: ELECTRIC CONDUIT	
CMSC	202	2		2	EACH	WATER VALVE REMOVED	
CMSC	202	3		3	EACH	FIRE HYDRANT REMOVED	
CMSC	202	1		1	EACH	DRILLED WATER WELL ABANDONED (ODOT SCD RM-7.1)	
CMSC	202	1		1	EACH	REMOVAL MISC.: IRRIGATION	
CMSC	202	12		12	EACH	BOLLARD REMOVED	
CMSC	202	502		502	SQ FT	REMOVAL MISC.: CONCRETE REMOVED	
CMSC	202	7		7	EACH	REMOVAL MISC.: SIGN REMOVED	
CMSC	202	1		1	EACH	REMOVAL MISC.: BRICK SIGN BASE REMOVED	
CMSC	202	257		257	SQ YD	PAVEMENT REMOVED, CONCRETE	
CMSC	202	8		8	EACH	REMOVAL MISC.: FOUNDATION MOUNTED PULLBOX	
CMSC	203 4	~~25,806~~ 25,331	418	~~26,278~~ 25,749	CU YD	EXCAVATION, AS PER PLAN	8
CMSC	203 4	~~13,256~~ 13,646	43	~~13,689~~ 13,689	CU YD	EMBANKMENT, AS PER PLAN	8
CMSC	204	5	1	6	HR	PROOF ROLLING	
CMSC	204	6,690	556	7,246	SQ YD	SUBGRADE COMPACTION	
CMSC	204 4	~~616~~ 1,214		~~616~~ 1,214	SQ YD	SUBGRADE COMPACTION (PARKING LOT REPLACEMENT)	
CMSC	204	80		80	SQ YD	SUBGRADE COMPACTION (ASPHALT DRIVE)	
CMSC	204	1,983		1,983	SQ YD	SUBGRADE COMPACTION (SUP)	
CMSC	204	233		233	SQ YD	SUBGRADE COMPACTION (ASPHALT PATH REPLACEMENT)	
CMSC	204	539	153	692	SQ YD	SUBGRADE COMPACTION (CONCRETE WALK)	
CMSC	204*	1,900	100	2,000	CU YD	EXCAVATION OF SUBGRADE	8
CMSC	204*	450	50	500	CU YD	GRANULAR MATERIAL, NO. 2 STONE	8
CMSC	204*	950	50	1,000	CU YD	GRANULAR MATERIAL, TYPE B	8
CMSC	204*	2,850	150	3,000	SQ YD	GEOTEXTILE FABRIC, TYPE D	8
CMSC	604	3		3	EACH	MONUMENT ASSEMBLY (MD-03)	
CMSC	608	4,851	1,375	6,226	SQ FT	CONCRETE WALK (T=4")	
CMSC	608	44	2	46	EACH	CURB RAMP	
CMSC	608	486	24	510	SQ FT	DETECTABLE WARNING, AS PER PLAN	8
ODOT	861*	2,850	150	3,000	SQ YD	GEOGRAD FOR SUBGRADE STABILIZATION	8
	SPEC*	2,435	65	2,500	CU YD	INCREASE IN EXCAVATION, AS PER PLAN	8
	SPEC*	2,435	65	2,500	CU YD	INCREASE IN EMBANKMENT, AS PER PLAN	8
	SPEC	65,744		65,744	SQ FT	BRICK PAVER WALK	9
	SPEC	804		804	SQ FT	GRANITE PAVER WALK	9
						EROSION CONTROL	
CMSC	207	8,128		8,128	FT	PERIMETER FILTER FABRIC FENCE	27, 28
CMSC	207	30	2	32	EACH	INLET PROTECTION	27, 28
CMSC	207*	36,642	172	36,814	SQ YD	CONSTRUCTION SEEDING AND MULCHING	27, 28
CMSC	207	1		1	EACH	TEMPORARY CONSTRUCTION ENTRANCE (2230)	27
CMSC	653 4	~~4,072~~ 4,084	20	~~4,092~~ 4,104	CU YD	TOPSOIL, FURNISHED AND PLACED	8, 105
CMSC	659 4	~~36,642~~ 36,742	172	~~36,814~~ 36,914	SQ YD	SEEDING AND MULCHING, AS PER PLAN	8, 105
CMSC	659	190	10	200	SQ YD	REPAIR SEEDING AND MULCHING, AS PER PLAN	8, 105
CMSC	659	3.30	0.02	3.32	TON	COMMERCIAL FERTILIZER	
CMSC	659	7.58	0.04	7.62	AC.	LIME	
CMSC	659	198	1	199	M. GAL	WATER	
CMSC	670	330		330	SQ YD	SLOPE EROSION PROTECTION, AS PER PLAN	8
CMSC	670	1,077		1,077	SQ YD	DITCH EROSION PROTECTION, AS PER PLAN	8
	SPEC	11		11	EACH	ROCK CHECK DAM	27
	SPEC	1		1	L. SUM	SEDIMENT TRAP, NO. 1	27, 28
	SPEC	1		1	L. SUM	SEDIMENT TRAP, NO. 2	27, 28
	SPEC	1		1	L. SUM	SEDIMENT TRAP, NO. 3	27, 28
	SPEC	1		1	EACH	TEMPORARY SEDIMENT CONTROL STRUCTURE RELOCATED	27, 29
	SPEC	1		1	L SUM	CONCRETE WASHOUT AREA	27
						DRAINAGE	
CMSC	602	1		1	EACH	HEADWALL, AA-S166	
CMSC	604	2		2	EACH	MANHOLE, RECONSTRUCTED TO GRADE	
CMSC	604	1		1	EACH	MANHOLE, RECONSTRUCTED TO GRADE w/GRATED LID	
CMSC	604	1		1	EACH	CATCH BASIN, ADJUST TO GRADE WITH MANHOLE CASTING	
CMSC	604	1		1	EACH	MANHOLE, ADJUST TO GRADE	
CMSC	604	22	1	23	EACH	MANHOLE, TYPE C , AA-S102 WITH ST-03	
CMSC	604	~~2~~ 1	1	~~3~~ 2	EACH	STANDARD CATCH BASIN, AA-S133A	
CMSC	604	5		5	EACH	STANDARD CATCH BASIN, AA-S133B	
CMSC	604	18	1	18	EACH	CURB INLET MANHOLE, AS PER PLAN	
CMSC	604		2	2	EACH	CURB AND GUTTER INLET, AA-S125A	
CMSC	605 4	~~850~~ 970		~~850~~ 970	FT	4 INCH PIPE UNDERDRAINS	
CMSC	901 4	~~613~~ 623	115	~~728~~ 738	FT	12 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL	
CMSC	901 1	~~569~~ 464		~~569~~ 464	FT	15 INCH PIPE, 706.02, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL	
CMSC	901	369		369	FT	18 INCH PIPE, 706.02, OR 901.02 ITEM 20 HDPP WITH TYPE 1	
CMSC	901	927		927	FT	24 INCH PIPE, 706.02, OR 901.02 ITEM 20 HDPP WITH TYPE 1 BEDDING, WITH TYPE 1 BEDDING, WITH CMSC 912 COMPACTED GRANULAR MATERIAL	
CMSC	901	193		193	FT	27 INCH PIPE, 706.02, OR 901.02 ITEM 20 HDPP WITH TYPE 1	
CMSC	901	853		853	FT	30 INCH PIPE, 706.02, OR 901.02 ITEM 20 HDPP WITH TYPE 1	
	SPEC	16		16	EACH	DETENTION OUTLET CHAMBER	8

CMS	ITEM	SUBTOTAL JSP 2	SUBTOTAL GRAHAM	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						PAVEMENT	
CMSC	204	9,570		9,570	SQ YD	GEOTEXTILE FABRIC, TYPE D (FOR PERMEABLE PAVEMENT)	
CMSC	254 4	~~2,127~~ 2,628		~~2,127~~ 2,628	SQ YD	PAVEMENT PLANING (T=1.25") (RESURFACING)	
CMSC	259	49		49	SQ YD	PAVEMENT REPLACEMENT, TYPE I	
CMSC	301	1,115	93	1,208	CU YD	ASPHALT CONCRETE BASE	
4 CMSC	254	395		395	FT	FULL DEPTH PAVEMENT SAWING	
CMSC	301	7		7	CU YD	ASPHALT CONCRETE BASE (ASPHALT DRIVE)	
CMSC	301	166		166	CU YD	ASPHALT CONCRETE BASE (SHARED USE PATH)	
CMSC	304	1,115	93	1,208	CU YD	AGGREGATE BASE	
CMSC	304 4	~~137~~ 270		~~137~~ 270	CU YD	AGGREGATE BASE (PARKING LOT REPLACEMENT)	
CMSC	304	14		14	CU YD	AGGREGATE BASE (ASPHALT DRIVE)	
CMSC	304	331		331	CU YD	AGGREGATE BASE (SHARED USE PATH)	
CMSC	304	39		39	CU YD	AGGREGATE BASE (ASPHALT PATH REPLACEMENT)	
CMSC	407	536	45	581	GAL	NTSS- 1 HM TRACKLESS TACK COAT	8
CMSC	407	171		171	GAL	NTSS- 1 HM TRACKLESS TACK COAT (RESURFACING)	8
CMSC	407	7		7	GAL	NTSS- 1 HM TRACKLESS TACK COAT (ASPHALT DRIVE)	8
CMSC	407	402	34	436	GAL	NTSS- 1 HM TRACKLESS TACK COAT FOR INTERMEDIATE COURSE	8
CMSC	407	9		9	GAL	NTSS- 1 HM TRACKLESS TACK COAT FOR INTERMEDIATE COURSE (WEDGE COURSE)	8
CMSC	407 4	~~37~~ 72		~~37~~ 72	GAL	NTSS- 1 HM TRACKLESS TACK COAT FOR INTERMEDIATE COUSE (PARKING LOT REPLACEMENT)	8
CMSC	407	5		5	GAL	NTSS- 1 HM TRACKLESS TACK COAT FOR INTERMEDIATE COUSE (ASPHALT DRIVE)	8
CMSC	423 4	~~90~~ 255		~~90~~ 255	LB	CRACK SEALING, TYPE III	
CMSC	448	326	28	354	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22	
CMSC	448	4		4	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22 (ASPHALT DRIVE)	
CMSC	448 4	~~30~~ 60		~~30~~ 60	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22 (PARKING LOT REPLACEMENT)	
CMSC	448	2		2	CU YD	VARIABLE THICKNESS ASPHALT CONCRETE INTERMEDIATE COURSE (MEDIUM TRAFFIC), PG64-22	
CMSC	448	233	20	253	CU YD	ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22	
CMSC	448 4	~~74~~ 92		~~74~~ 92	CU YD	ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 (RESURFACING)	
CMSC	448 4	~~39~~ 43		~~39~~ 43	CU YD	ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 (PARKING LOT REPLACEMENT)	
CMSC	448	3		3	CU YD	ASPHALT CONCRETE SURFACE COURSE (MEDIUM TRAFFIC), PG64-22 (ASPHALT DRIVE)	
CMSC	448	83		83	CU YD	ASPHALT CONCRETE SURFACE COURSE (LIGHT TRAFFIC), PG64-22 (SHARED USE PATH)	
CMSC	448	17		17	CU YD	ASPHALT CONCRETE SURFACE COURSE (LIGHT TRAFFIC), PG64-22 (ASPHALT PATH REPLACEMENT)	
CMSC	609	213		213	FT	COMBINATION CURB AND GUTTER (RD-02)	
CMSC	609 4	~~372~~ 701		~~372~~ 701	FT	CURB, STRAIGHT 18"	6
CMSC	609	5,250	298	5,548	FT	GRANITE CURB (18 INCH X 6 INCH)	5, 8
CMSC	609	8,517		8,517	FT	GRANITE BAND (12 INCH X 6 INCH)	5, 8
CMSC	609	852		852	FT	GRANITE BAND (15 INCH X 24 INCH)	5, 8
CMSC	609	7,378		7,378	FT	GRANITE PLANTER CURB (6-1/4 INCH X 6 INCH)	8
CMSC	609	283		283	FT	GRANITE PLANTER CURB (22 INCH X 6 INCH)	6, 8
	SPEC	3,139		3,139	SQ YD	PERMEABLE PAVER ROADWAY	5, 10
	SPEC	2,999		2,999	SQ FT	BRICK PAVER ROADWAY	5, 9
	SPEC	983		983	SQ FT	BRICK PAVER DRIVEWAY	9
	SPEC	3,139		3,139	SQ YD	PERVIOUS CONCRETE BASE, AS PER SUPPLEMENTAL SPECIFICATION PROPOSAL NOTE (T=8")	
	SPEC	1,493		1,493	CU YD	AGGREGATE BASE (NO. 57 STONE)	9
	SPEC	2,908		2,908	CU YD	AGGREGATE BASE (NO. 2 STONE)	9
	SPEC	5,403		5,403	SQ YD	GEOGRID (FOR PERMEABLE PAVEMENT)	9
						WATER WORKS	
CMSC	801	20		20	LF	6 INCH WATER PIPE & FITTINGS	
CMSC	801	1,420		1,420	LF	8 INCH WATER PIPE & FITTINGS	
CMSC	801	10		10	LF	12 INCH WATER PIPE & FITTINGS (SLEEVE FOR 8" SERVICE REMOVAL)	
CMSC	801*	25		25	CU YD	CONCRETE BLOCKING CLASS C, INCREASE OR DECREASE	
CMSC	801*	240		240	LB	DUCTILE IRON FITTINGS, INCREASE OR DECREASE	
CMSC	802	3		3	EACH	6" VALVE AND APPURTENANCES	
CMSC	802	3		3	EACH	8" VALVE AND APPURTENANCES	
CMSC	807	6		6	EACH	COLUMBUS STANDARD HEAVY DUTY VALVE BOX	
CMSC	807	1		1	EACH	VALVE BOX, ADJUSTED TO GRADE	
CMSC	809	3		3	EACH	FIRE HYDRANT, TYPE A, AS PER PLAN	
CMSC	811*	50		50	CU YD	INCREASE OR DECREASE IN EXCAVATION AND BACKFILL	73
CMSC	816	1		1	EACH	8" WATER SERVICE TAP ABANDONED	
	SPEC	1		1	L. SUM	SURVEY COORDINATES	73
						SANITARY SEWER	
CMSC	604	1		1	EACH	MANHOLE, RECONSTRUCTED TO GRADE	

REVISION	DATE	DESCRIPTION
1	3-7-16	Revised Quantities
4	6-9-16	Revised Quantities, Added Line Item

Notes:
CMSC = City of Columbus Construction and Material Specifications, 2012 Edition
ODOT = Ohio Department of Transportation Construction & Material Specifications, 2013 Edition
* = Denotes Contingency to be used as directed by the Engineer

CALCULATED MJS
CHECKED MRB

GENERAL SUMMARY

JOHN SHIELDS PARKWAY PHASE 2

REVISION 4

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CMS	ITEM	SUBTOTAL JSP 2	SUBTOTAL GRAHAM	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						TRAFFIC CONTROL	
ODOT	630	5	2	7	EACH	STREET NAME SIGN, AS PER PLAN	86
ODOT	630	2	1	3	EACH	STREET NAME SIGN SUPPORT, AS PER PLAN	86
ODOT	630	112	7	119	SQ FT	SIGN, FLAT SHEET, AS PER PLAN	86
ODOT	630	756		756	FT	GROUND MOUNTED SUPPORT, ~~NO. 3 POST, TYPE 5~~, AS PER PLAN 2	86
ODOT	630	2		2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
ODOT	630	86		86	EACH	~~2-1/4" SQUARE~~ ANCHOR POST, AS PER PLAN 2	86
ODOT	630	6		6	EACH	REMOVAL OF GROUND MOUNTED SUPPORT AND DISPOSAL	
ODOT	630	11		11	EACH	REMOVAL OF GROUND MOUNTED SUPPORT AND STORAGE	
ODOT	644	0.7		0.7	MILE	CENTER LINE	
ODOT	644	255		255	FT	CHANNELIZING LINE	
ODOT	644	33	13	46	FT	STOP LINE	
ODOT	644	97		97	FT	TRANSVERSE LINE	
ODOT	~~644~~ 642	~~190~~ 480		~~190~~ 480	4 FT	PARKING LOT STALL MARKING	
ODOT	644	7		7	EACH	LANE ARROW	
ODOT	644	334		334	FT	CROSSWALK LINE	
						LIGHTING	
ODOT	625	74	4	78	EACH	CONNECTOR KIT, TYPE II	
ODOT	625	37	2	39	EACH	CONNECTOR KIT, TYPE III	
ODOT	625	9		9	EACH	CABLE SPLICE KITS	
ODOT	625	33	2	35	EACH	POST TOP LIGHT POLE, AS PER PLAN	93
ODOT	625	1		1	EACH	LIGHT POLE FOUNDATION (SL-04)	
ODOT	625	33	2	35	EACH	LIGHT POLE FOUNDATION, AS PER PLAN	93
ODOT	625	18,927	480	19,407	FT	NO. 4 AWG, 600 VOLT DISTRIBUTION CABLE	
ODOT	625	1,782	108	1,890	FT	NO. 12 AWG, POLE AND BRACKET CABLE	
ODOT	625	5,305		5,305	FT	CONDUIT, 1", 725.051	
ODOT	625	371		371	FT	CONDUIT, 2", 725.051, SCH. 80	
ODOT	625	5,489	140	5,629	FT	CONDUIT, 3", 725.051	
ODOT	625	390		390	FT	CONDUIT, 6", 725.051, SCH. 80	
ODOT	625	85		85	FT	CONDUIT, 3", 725.051, JACKED OR DRILLED	
ODOT	625	85		85	FT	CONDUIT, 6", 725.051, SCH. 80, JACKED OR DRILLED	
ODOT	625	33	2	35	EACH	LUMINAIRE, POST TOP, AS PER PLAN	93
ODOT	625	5,958	140	6,098	FT	TRENCH, AS PER PLAN	93
ODOT	625	150		150	FT	TRENCH, 42" DEEP, AS PER PLAN	93
ODOT	625	6,108	140	6,248	FT	PLASTIC CAUTION TAPE	
ODOT	625	33		33	EACH	PULL BOX, AS PER PLAN	93
ODOT	625	33	2	35	EACH	GROUND ROD	
ODOT	625	33	2	35	EACH	CADWELD CONNECTION	
ODOT	625	1		1	EACH	REMOVE AND REERECT EXISTING LIGHT POLE	
ODOT	625	1		1	EACH	REMOVE AND REERECT EXISTING LUMINAIRE	
ODOT	625	1		1	EACH	LIGHT POLE FOUNDATION REMOVED	
ODOT	625	1		1	L SUM	HIGH VOLTAGE TEST	
ODOT	625	1		1	EACH	REUSE OF POWER SERVICE, AS PER PLAN	94
ODOT	625	3		3	EACH	RECEPTACLE CONTROL CENTER, AS PER PLAN	94
ODOT	632	6,295		6,295	FT	RECEPTABLE CIRCUIT, FOUR #10, 600V, #10 AWG, AS PER PLAN	94
	SPEC	88		88	EACH	120V DUPLEX RECEPTACLE, AS PER PLAN	94

CMS	ITEM	SUBTOTAL JSP 2	SUBTOTAL GRAHAM	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						AEP DUCT BANK	
	SPEC	205		205	FT	2-5 INCH PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL	77, 79
	SPEC	42		42	FT	4-5 INCH PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL	77, 79
	SPEC	1,898		1,898	FT	6-5 INCH PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL	77, 79
	SPEC	600		600	FT	8-5 INCH PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL	77, 79
	SPEC	18		18	FT	10-5 INCH PVC, SCHEDULE 40, CONDUIT CONCRETE ENCASED IN TRENCH WITH CMSC 912 COMPACTED GRANULAR MATERIAL	77, 79
	SPEC	4		4	EACH	ELECTRIC MANHOLE, COMPLETE	77, 78
	SPEC	1		1	EACH	ELECTRIC MANHOLE ADJUST TO GRADE	77, 78
						LANDSCAPE	
CMSC	661	98		98	EACH	DECIDOUS TREE (3" CAL), AS PER PLAN	104
CMSC	661	23,646		23,646	EACH	PERENNIALS, AS PER PLAN	104
CMSC	661	46,128		46,128	EACH	BULBS, AS PER PLAN	104
	SPEC	38		38	EACH	BICYCLE RACK, AS PER PLAN	106
	SPEC	1,982		1,982	CU YD	PLANTING SOIL FURNISHED & PLACED, AS PER PLAN	102
	SPEC	381		381	CU YD	24" STRUCTURAL SOIL FURNISHED & PLACED, AS PER PLAN	103
						MAINTENANCE OF TRAFFIC	
ODOT	614	1		1	L SUM	MAINTAINING TRAFFIC, AS PER PLAN	12
CMSC	614	50		50	HOUR	LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION, AS PER PLAN	12
CMSC	616	1		1	L SUM	DUST CONTROL, AS PER PLAN	8
						MISCELLANEOUS	
DUBLIN	108.03	1		1	L. SUM	TYPE B - CRITICAL PATH METHOD (CPM) SCHEDULE	
CMSC	619	12		12	MONTH	FIELD OFFICE, TYPE C	
CMSC	623	1		1	L. SUM	CONSTRUCTION LAYOUT STAKES	
CMSC	624	1		1	L. SUM	MOBILIZATION	
	SPEC	1		1	L. SUM	PROOF SURVEY	7

REVISION	DATE	DESCRIPTION
2	4-12-16	Revised Quantity Description
4	6-09-16	Revised Item Number & Quantity

Notes:
CMSC = City of Columbus Construction and Material Specifications, 2012 Edition
ODOT = Ohio Department of Transportation Construction & Material Specifications, 2013 Edition
* = Denotes Contingency to be used as directed as by the Engineer

CALCULATED MJS
CHECKED MRB

GENERAL SUMMARY

JOHN SHIELDS PARKWAY PHASE 2

REVISION 2

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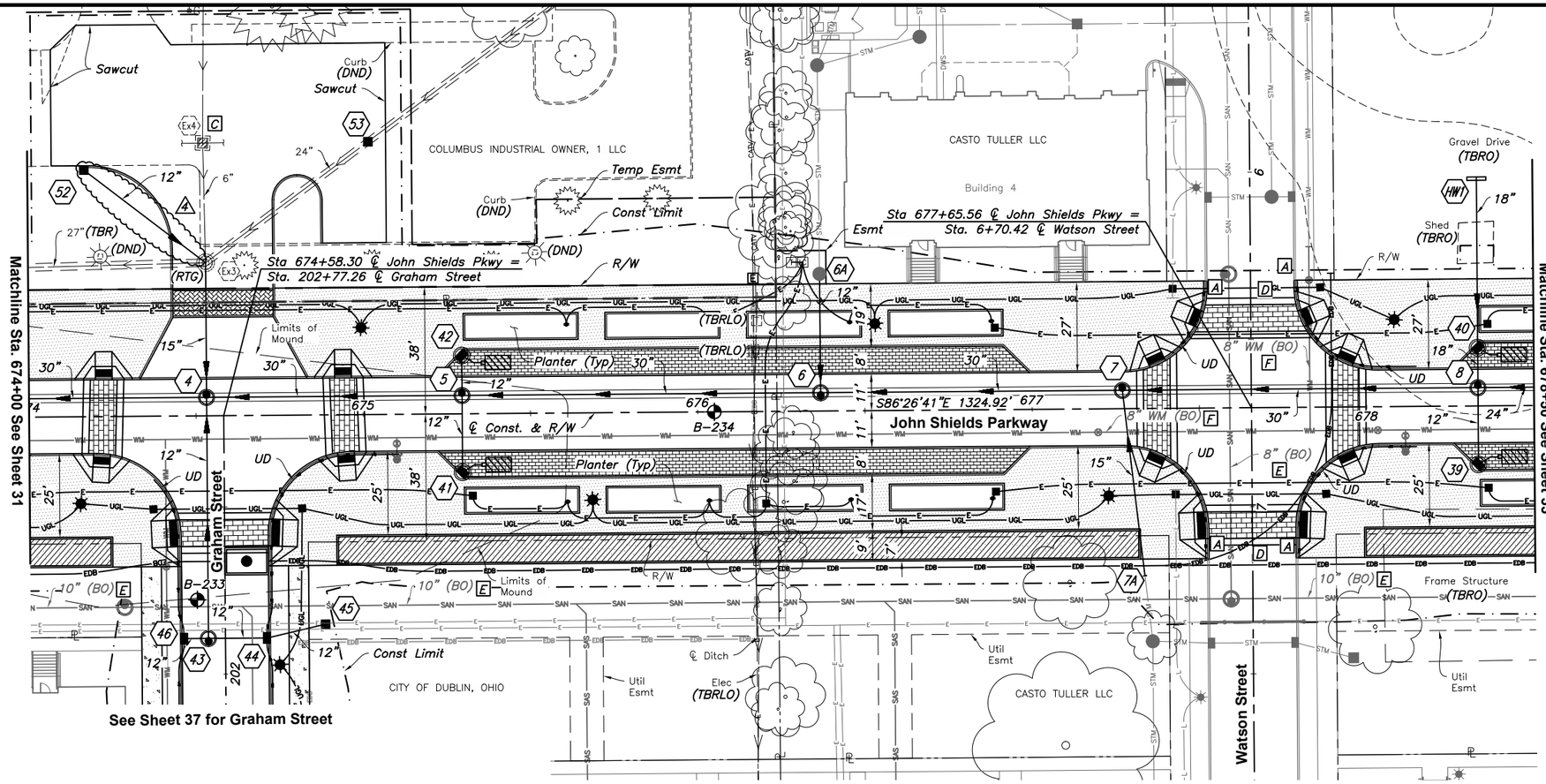


CROSS REFERENCES	
SHEET NO.	DESCRIPTION
2	SCHEMATIC PLAN
4	TYPICAL SECTIONS
41–43	CROSS SECTIONS – JOHN SHIELDS
52	PAVEMENT DETAILS – JOHN SHIELDS
57–58	INTERSECTION & CURB RAMP DETAILS
63	DRIVE DETAILS
66–71	STORM SEWER PROFILES
72	STORM SEWER BMP OUTLET DETAIL
80–81	AEP PLAN
88	TRAFFIC CONTROL PLAN
96	LIGHTING PLAN

Shared Use Path

Walkway Pavers

Permeable Pavement

Crosswalk Pavers

Stormtech BMP Outlet

A Connect UD to Tuller Flats UD. Contractor to coordinate with site contractor.

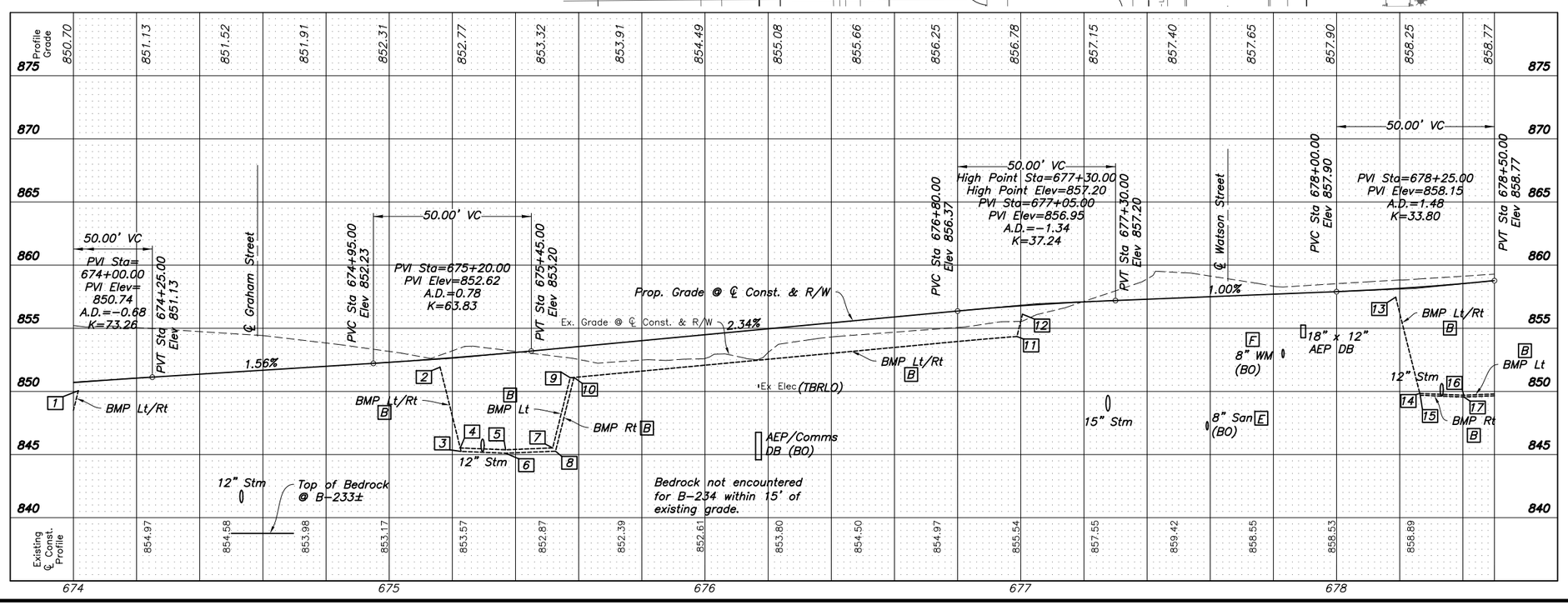
B See Sheet 72 for additional storm sewer Best Management Practices information.

C Structure Ex4 to be adjusted to grade with manhole casting.

D Paving for side streets outside of crosswalks to be performed by Tuller Flats.

E See John Shields Parkway Phase 2 Part 1 (15–016–CIP)

F See John Shields Parkway Phase 2 Part 2 (15–016–CIP) (DOW #15–060)



	Station	Elevation
1	674+01.56	850.06
2	675+16.12	851.92
3	675+22.79	845.25
4	675+22.52	845.52
5	675+36.88	845.38
6	675+36.88	845.11
7	675+51.78	845.53
8	675+52.68	845.27
9	675+57.33	851.08
10	675+58.52	851.11
11	676+98.79	854.35
12	677+00.56	856.12
13	678+18.73	857.47
14	678+26.36	849.84
15	678+26.50	849.70
16	678+40.31	849.70
17	678+40.31	849.56

REVISION	DATE	DESCRIPTION
4	6-9-16	Revised Storm

CALCULATED MJS
CHECKED MRB

PLAN AND PROFILE - JOHN SHIELDS
Sta. 674+00 to Sta. 678+50

JOHN SHIELDS PARKWAY PHASE 2

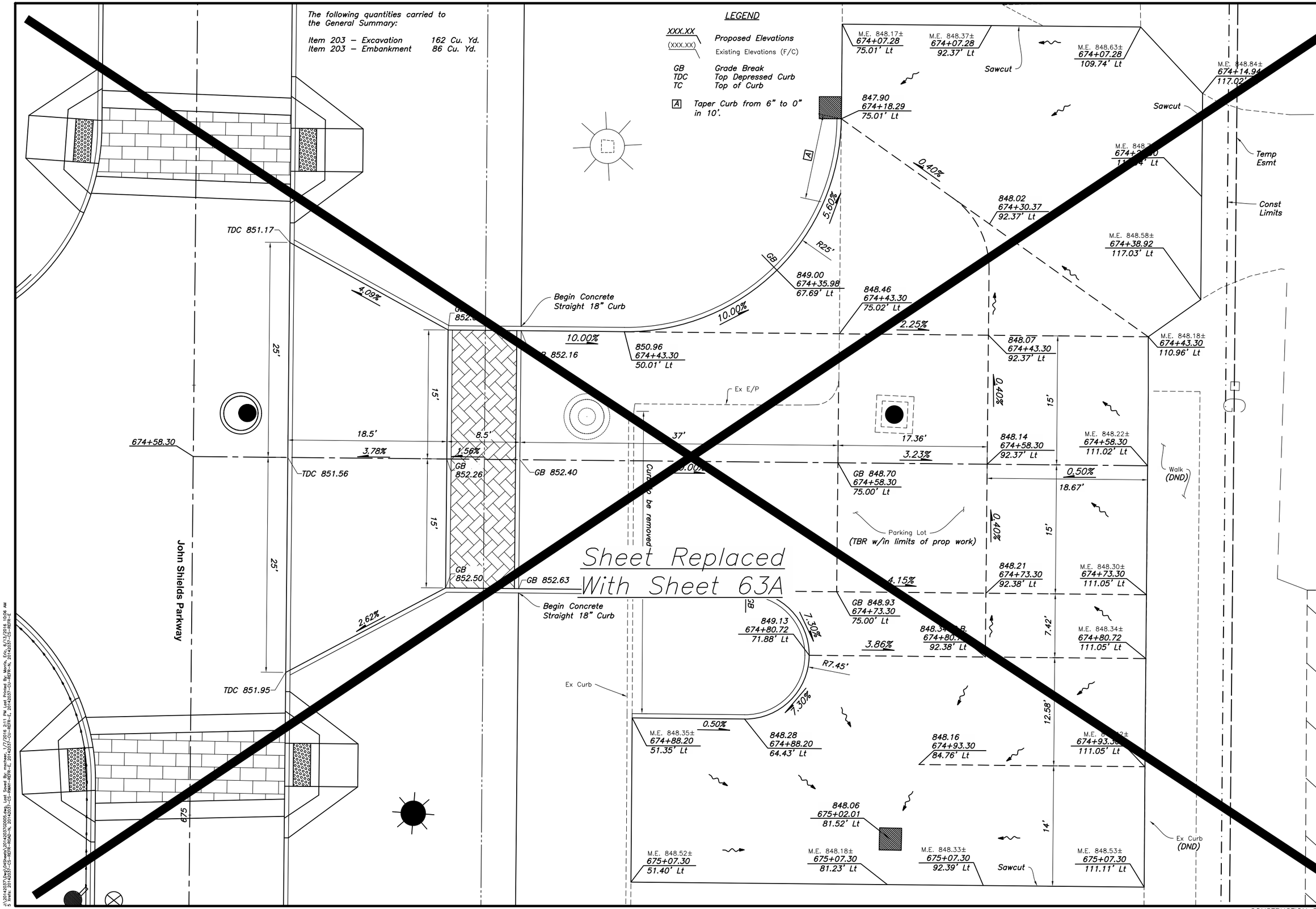
REVISION 4

The following quantities carried to the General Summary:

Item 203 – Excavation	162 Cu. Yd.
Item 203 – Embankment	86 Cu. Yd.

LEGEND

XXX.XX	Proposed Elevations
(XXX.XX)	Existing Elevations (F/C)
GB	Grade Break
TDC	Top Depressed Curb
TC	Top of Curb
A	Taper Curb from 6" to 0" in 10'.



CALCULATED MJS
CHECKED MRB

DRIVE DETAILS

JOHN SHIELDS PARKWAY PHASE 2

63

CONSTRUCTION SET

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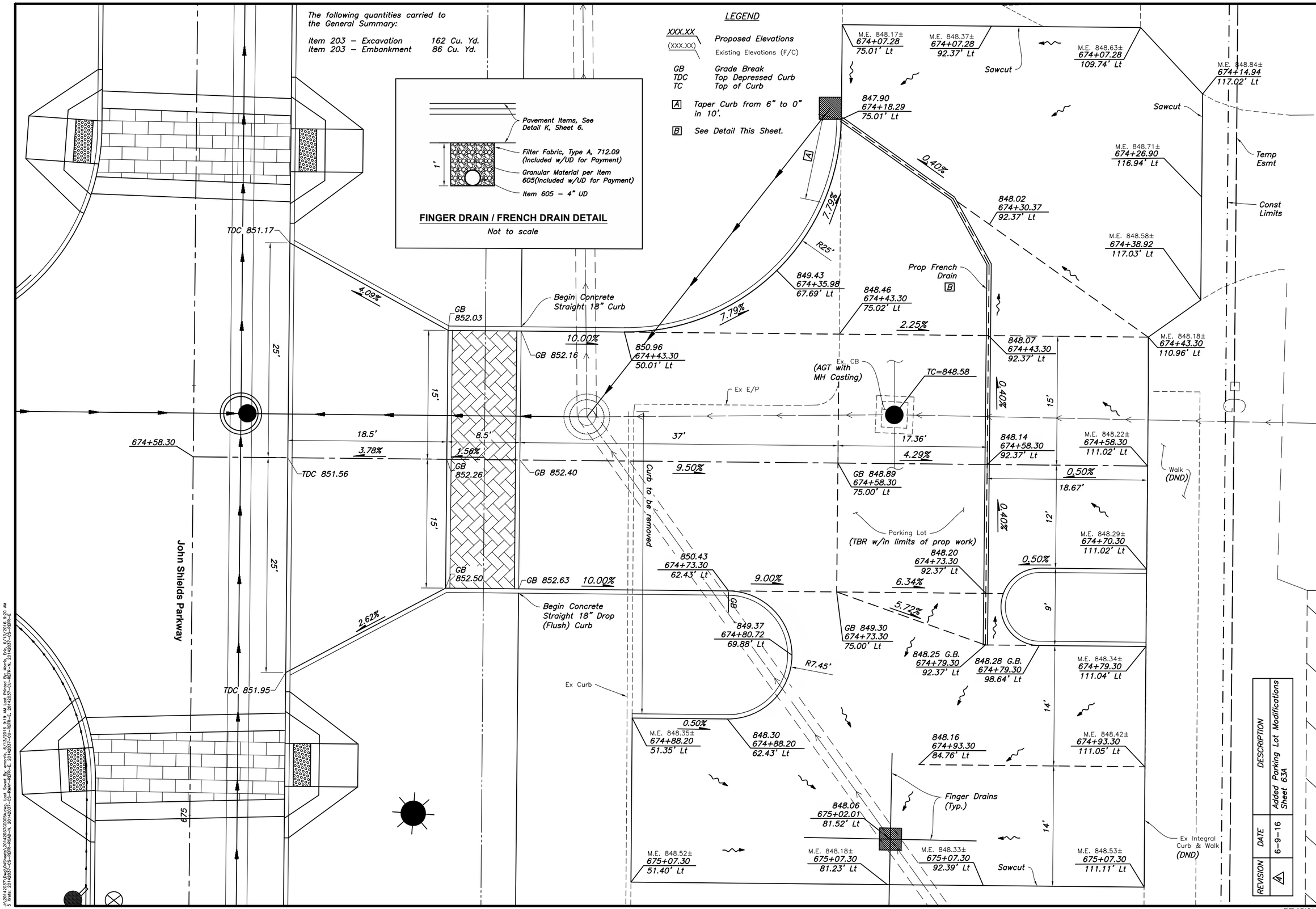


REVISION	DATE	DESCRIPTION
4	6-9-16	Added Parking Lot Modifications Sheet 63A

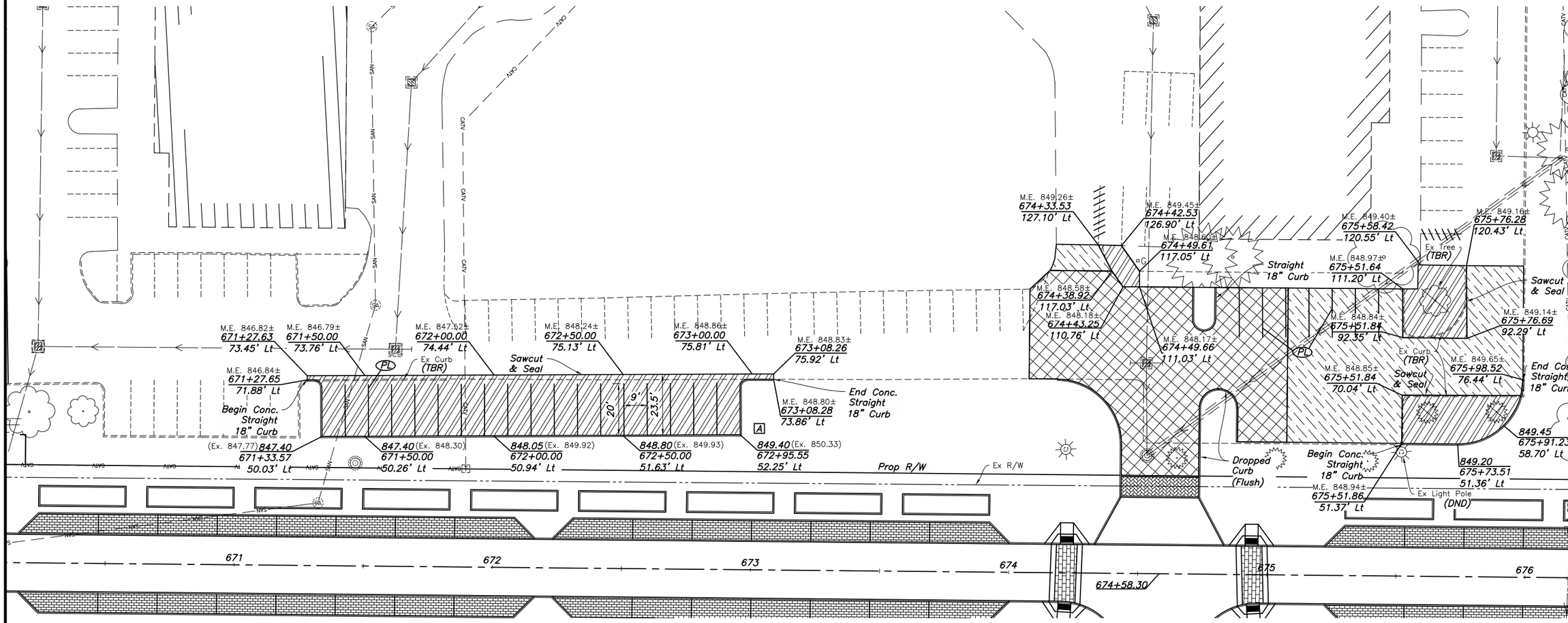
CALCULATED MJS
CHECKED MRB

DRIVE DETAILS

JOHN SHIELDS PARKWAY PHASE 2

63A
149

REVISION 4



Note: Asphalt Pavement Removal is Paid Under Excavation.

LEGEND

- XXX.XX — Proposed Pavement Elevations
- Proposed Full Depth Pavement per Revision #4 See sheet 6, Detail K for section
- A — Taper Curb from 6" to 0" in 10'.
- Proposed Full Depth Pavement per Base Bid, see sheet 63 & 88.
- Proposed Resurfacing Area (1.25" Pvm't Plaining and 1.25" of Iten 448, Surface Course)
- PL — Item 642 – Parking Stall Line, 4", White
- Item 642 – Removal of Pavement Marking

ME = Match Existing

Quantities for Parking Lot Modifications not included in sheet 53:

ESTIMATE OF QUANTITIES FOR PARKING LOT MODIFICATIONS

CMSC Item	Description	Qty	Units
202	Curb Removed	256	Ft
203	Excavation	271	Cu. Yd.
203	Embankment	20	Cu. Yd.
204	Subgrade Compaction	598	Sq.Yd.
252	Full Depth Pavement Sawing	395	Ft
254	Pavement Plaining, 1.25"	501	Sq.Yd.
304	Aggregate Base	133	Cu. Yd.
407	NTSS– 1 HM Trackless Tack Coat For Intermediate Course	35	Gal
423	Crack Sealing, Type III	165	Lb
448	Asphalt Concrete Intermediate Course (Medium Traffic) PG64–22	30	Cu. Yd.
448	Asphalt Concrete Surface Course (Medium Traffic) PG64–22	39	Cu. Yd.
605	4" Pipe Underdrain (Finger Drain/French Drain, see sht. 63A)	111	Ft
609	Curb, Straight 18"	322	Ft
642	Parking Lot Stall Marking	480	Ft
642	Removal of Pavement Marking	40	Ft
*653	Topsoil, Furnished and Placed	12	Cu. Yd.
*659	Seeding and Mulching, As Per Plan	100	Sq. Yd.

NOTES
* Denotes Contingency, to be used as directed for restoration.

REVISION	DATE	DESCRIPTION
4	6–9–16	Added Parking Lot Modifications Sheet 63B

Hori: 1 inch = 20 feet

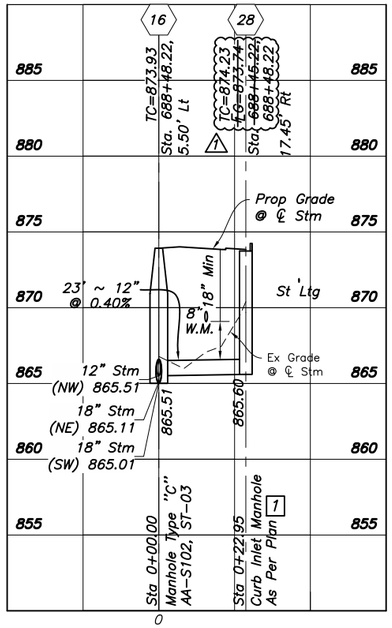
CALCULATED EAM
CHECKED MRB

PARKING LOT MODIFICATIONS

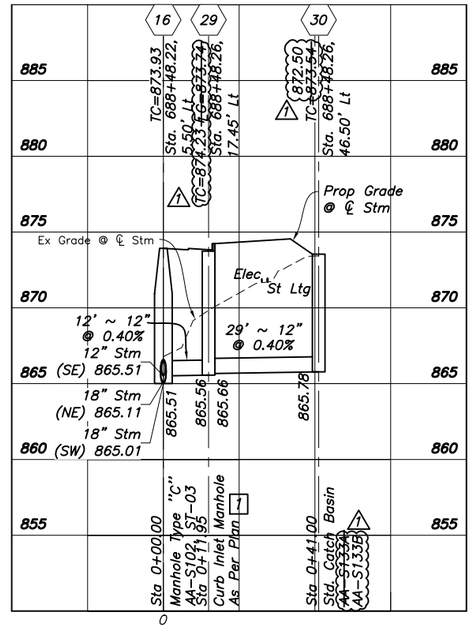
JOHN SHIELDS PARKWAY PHASE 2

63B
149

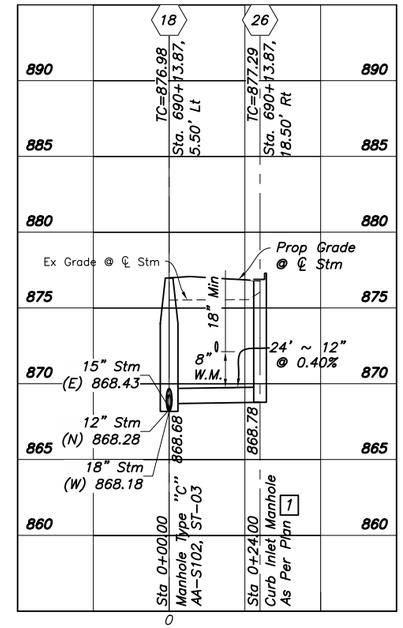
REVISION 4



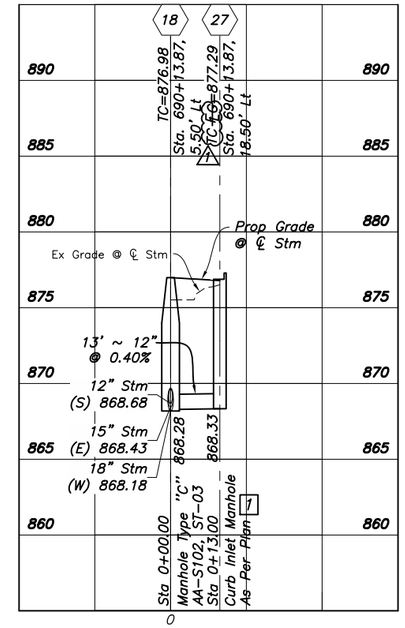
Storm Sewer Profile
From Structure #16 to Structure #28



Storm Sewer Profile
From Structure #16 to Structure #30



Storm Sewer Profile
From Structure #18 to Structure #26



Storm Sewer Profile
From Structure #18 to Structure #27

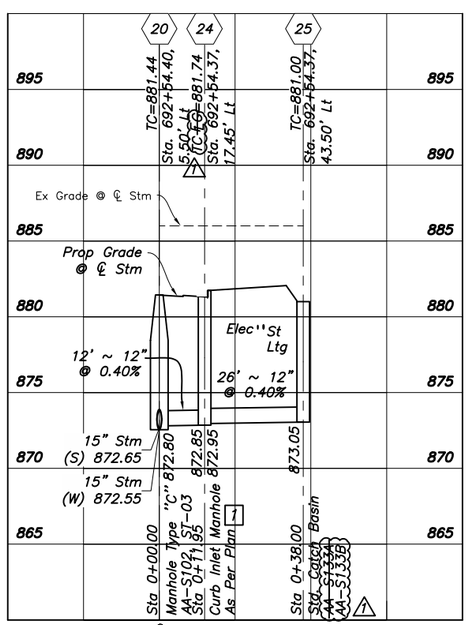
LEGEND
TC = Top of Casting
FG = Flow Line Grate
1 – Use w/AA–S142 Casting and Neenah R–3290 Curb Box Type N

NOTE:
All Backfill is Item 912 Compacted Granular Material unless otherwise noted.

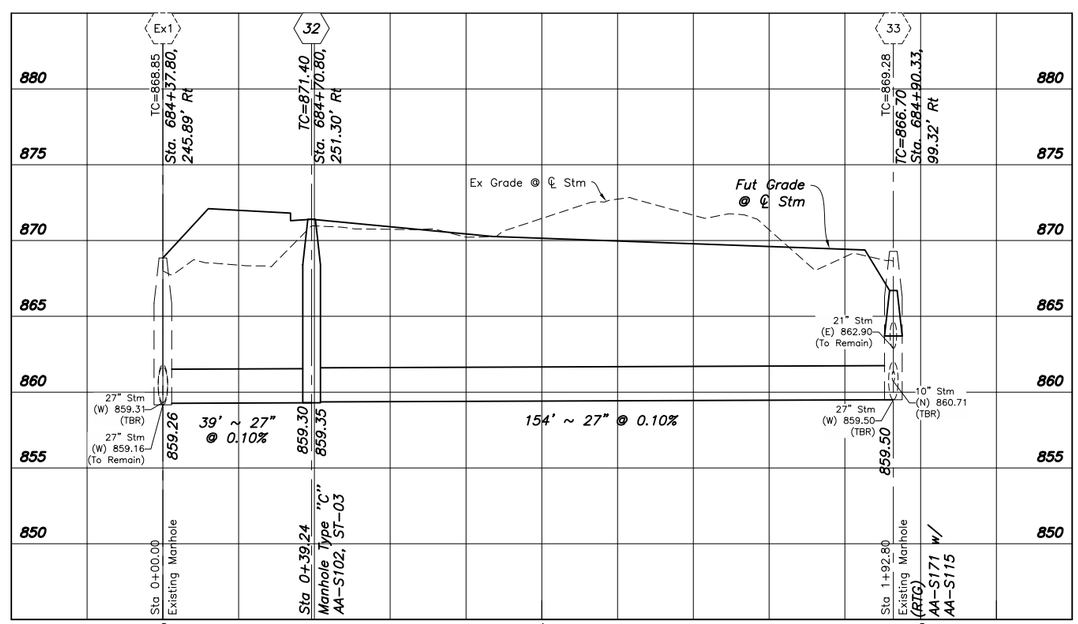
Sta./Offsets from John Shields Pkwy.

Structure 53 (AA–S133B) 1
Sta. ~~674+93.30, 84.76' Lt.~~ 675+02.01, 81.52' Lt.
TC = ~~848.16~~ 848.06
Inv. Ex. 24" CPP = 841.68±

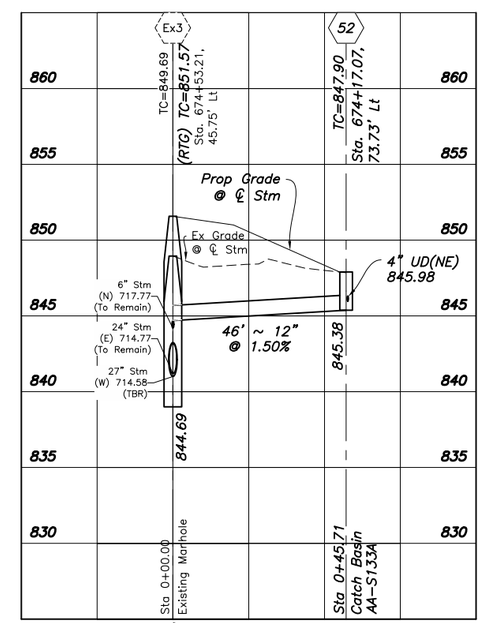
REVISION	DATE	DESCRIPTION
1	3–7–16	Revised Structure TC Elevations Revised Structure Type Revised Structure Sta./Offset
4	6–9–16	Revised Profile



Storm Sewer Profile
From Structure #20 to Structure #25



Storm Sewer Profile
From Structure Ex1 to Structure Ex2



Storm Sewer Profile
From Structure #Ex3 to Structure #52

CALCULATED EAM
CHECKED MRB

STORM SEWER PROFILES

JOHN SHIELDS PARKWAY
PHASE 2

REVISION 4

TRAFFIC CONTROL NOTES

GENERAL
All permanent and existing traffic control shall be the responsibility of the contractor in accordance with the "Ohio Manual of Uniform Traffic Control Devices" (current edition). Copies of which are available from the Ohio Department of Transportation, Office of Traffic Engineering, 1980 West Broad Street, Columbus, Ohio 43223.

ITEM 630 GROUND MOUNTED SUPPORT, AS PER PLAN
Ground mounted supports shall be per City of Dublin Standard Construction Drawing RD–10 (Bridge Street District).

Shop drawings and paint samples shall be submitted for review and approval prior to ordering material.

Payment shall be per Item 630.

ITEM 630 – ANCHOR POST, AS PER PLAN
Anchor posts shall be per City of Dublin Standard Construction Drawing RD–10 (Bridge Street District)

The Contractor shall provide conduit sleeves for sign posts to be installed in sidewalk areas. The sleeves shall be placed at all post mounted sign locations during the sidewalk concrete pour as applicable. In areas of brick walk, the pavers shall be cut around the posts. The sleeve shall be cut flush to the surface of the concrete. The costs for sleeving shall be included within the bid payment for Item 630, Ground Mounted Support, As Per Plan. If the contractor fails in providing post sleeving, the concrete walk shall be cored and any damaged bricks shall be replaced at no costs to the project.

Shop drawings and paint samples shall be submitted for review and approval prior to ordering material.

Payment shall be per Item 630

ITEM 630 STREET NAME SIGN SUPPORT, AS PER PLAN
Sign support shall be per City of Dublin Standard Construction Drawing RD–10 (Bridge Street District)

Payment shall be per Item 630.

ITEM 630 SIGN, FLAT SHEET, AS PER PLAN
All regulatory and traffic control signs shall comply with Ohio Manual of Uniform Traffic Control Devices for Streets and Highways, state requirements and local requirements. Sign Flat Sheet shall be per City of Dublin Standard Drawing RD–10 (Bridge Street District). The aluminum backer frame panel shall be used for all signs either ground mounted, pole mounted, or arm mounted.

Shop drawings and color samples shall be submitted for review and approval prior to ordering material.

Payment shall be per Item 630.

ITEM 630 STREET NAME SIGN, AS PER PLAN
All regulatory and traffic control signs shall comply with Ohio Manual of Uniform Traffic Control Devices for Streets and Highways, state requirements and local requirements. Street Name Signs shall be per City of Dublin Standards Drawing RD–10 (Bridge Street District).

Shop drawings and paint samples shall be submitted for review and approval prior to ordering material.

Payment shall be per Item 630.

ITEM 630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN
The back of all signs, mounting hardware, and support assemblies mounted on either signal supports, mast arms, pedestal supports or lighting poles shall be coated to match its respective support. Finish requirements shall be in accordance with that listed for the support, pedestal, or light pole used for attachment.

Shop drawings and paint samples shall be submitted for review and approval prior to ordering material.

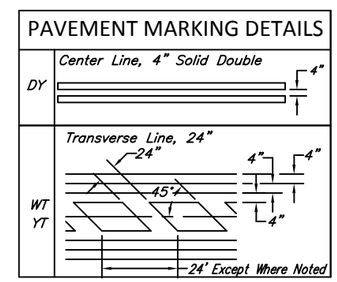
Payment shall be as per Item 630.

TRAFFIC CONTROL ESTIMATE OF QUANTITIES

ITEM NO.	QUANTITY			UNIT	ITEM DESCRIPTION
	GRAHAM ST	JOHN SHIELDS PKWY	TOTAL		
630	0	756	756	LF	Ground Mounted Support, ~~No. 3 Post, Type S,~~ As Per Plan
630	0	86	86	EA	~~2 1/4" Square~~ Anchor Post, As Per Plan
630	7	112	119	SF	Sign, Flat Sheet, As Per Plan
630	2	5	7	EA	Street Name Sign, As Per Plan
630	1	2	3	EA	Street Name Sign Support, As Per Plan
630	0	6	6	EA	Removal of Ground Mounted Support and Disposal
630	0	11	11	EA	Removal of Ground Mounted Sign and Storage
630	0	2	2	EA	Removal of Ground Mounted Sign and Reerection
644	0	0.7	0.7	MI	Center Line
644	0	255	255	LF	Channelizing Line
644	13	33	46	LF	Stop Line
644	0	334	334	LF	Crosswalk Line
644	0	97	97	LF	Transverse Line
4 ~~644~~	~~0~~	~~190~~	~~190~~	~~LF~~	~~Parking Lot Stall Marking~~
644	0	7	7	EA	Lane Arrow

REVISION	DATE	DESCRIPTION
2	4–12–16	Note and Quantity Description Revisions.
4	6–9–16	Parking Lot Striping Modifications Shown on Sheet 63B.

PAVEMENT MARKING DETAILS



SL Future Pavement Marking

SL Item 644 Proposed Pavement Marking

PAVEMENT MARKING LEGEND

- XW Crosswalk Line, 12", White
- WE Edge Line, White, 4"
- YE Edge Line, Yellow, 4"
- LL Lane Line, White, 4"
- DY Center Line, Double Yellow, 4", See Detail
- WT Transverse Line, 24", White, See Detail
- YT Transverse Line, 24", Yellow, See Detail
- CH Channelizing Line, 8", White
- SL Stop Line, 24" White
- WD Dotted Line, 4" White
- PL Parking Stall Line, 4", White

CALCULATED EPP CHECKED JDS

TRAFFIC CONTROL PLAN

JOHN SHIELDS PARKWAY PHASE 2

REVISION 2

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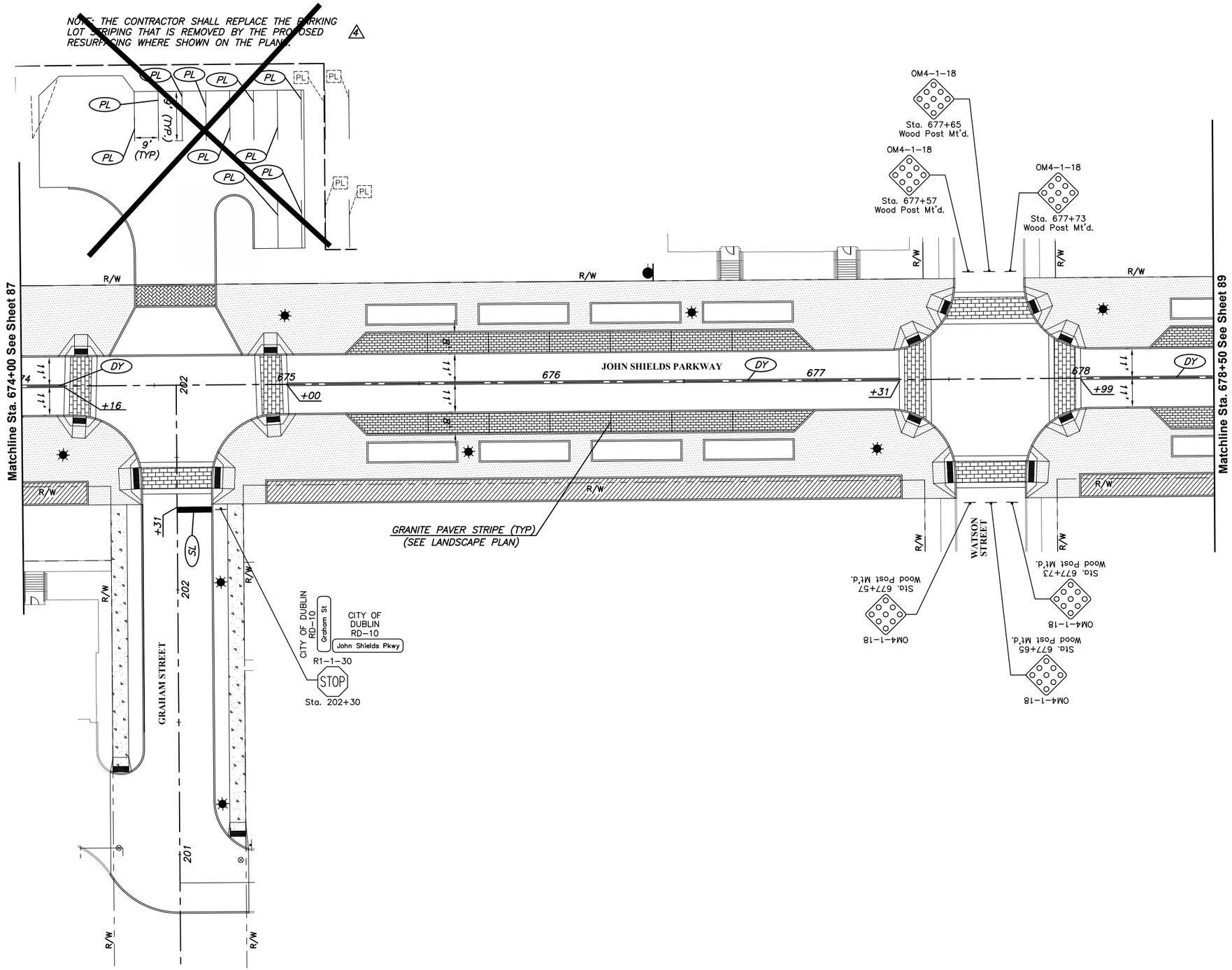

REVISION	DATE	DESCRIPTION
4	6-9-16	Parking Lot Striping Modifications Shown on Sheet 63B

Horz: 1 inch = 20 feet

CALCULATED EPP
CHECKED JDS

TRAFFIC CONTROL PLAN
Sta. 674+00 to Sta. 678+50

JOHN SHIELDS PARKWAY
PHASE 2

CONSTRUCTION SET

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