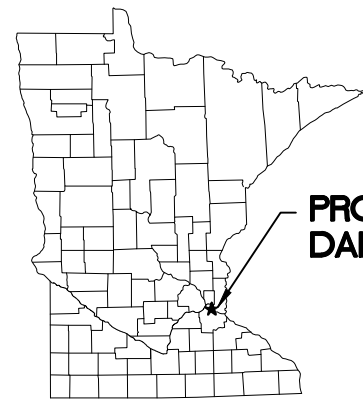


FREEWAY LANDFILL AND DUMP CLOSURE DIG AND HAUL

MINNESOTA POLLUTION CONTROL AGENCY BURNSVILLE, MINNESOTA



**PROJECT LOCATION
DAKOTA COUNTY, MN**

LOCATION MAP
NOT TO SCALE



VICINITY MAP

NOT TO SCALE



FREEWAY LANDFILL ADDRESS:

SOUTHWEST CORNER OF WEST BLACK DOG ROAD AND INTERSTATE 35W
BURNSVILLE, MN

FREEWAY DUMP ADDRESS:

11937 HIGHWAY 35W S
BURNSVILLE, MN

100% DRAFT
NOT FOR CONSTRUCTION
06/30/2022

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____				CLIENT: BARR ENGINEERING CO. BID: 4300 MARKETPOINTE DRIVE Suite 200 CONSTRUCTION: MINNEAPOLIS, MN 55435				Scale: AS SHOWN Date: 09/05/2019 Drawn: AWT Checked: BDP Designed: BARR Approved: -		 MINNESOTA POLLUTION CONTROL AGENCY		FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA LOCATION MAP AND VICINITY MAP		BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No.	
				RELEASED TO/FOR: _____ DATE RELEASED: _____				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com						DWG. No. G-01 REV. No. B	

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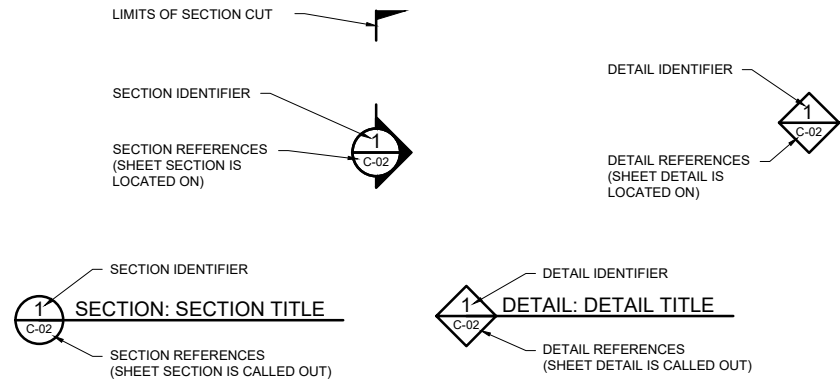
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NOTES

- THE NOTES ON THIS SHEET SHALL BE APPLICABLE TO ALL SHEETS WITHIN THIS SET OF DRAWINGS.
- COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES, PERMITS AND REGULATIONS.
- TOPOGRAPHIC INFORMATION BASED ON AERIAL SURVEY CONDUCTED BY AYRES ASSOCIATES INC. IN APRIL 2020 AND INFORMATION PROVIDED BY CLIENT.
- PROPERTY BOUNDARY INFORMATION PROVIDED BY MINNESOTA DEPARTMENT OF NATURAL RESOURCES ON MAY 27, 2021.
- AERIAL IMAGERY PROVIDED BY DAKOTA COUNTY AND NEARMAP.
- ALL UTILITIES SHOWN ARE CONSIDERED LEVEL D, UNLESS OTHERWISE NOTED, IN ACCORDANCE WITH ASCE STANDARD C1ASCE38-02.
- FIELD-LOCATE ALL SITE UTILITIES (PRIVATE AND PUBLIC) PRIOR TO STARTING THE WORK. ALL UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF UTILITY OWNER AT CONTRACTOR'S COST.
- ALL CONSTRUCTION ACTIVITY MUST BE KEPT WITHIN THE CONSTRUCTION LIMITS.

COORDINATE SYSTEM:

- HORIZONTAL DATUM - NAD83 (2011 ADJUSTMENT) DAKOTA COUNTY (US SURVEY FEET)
- VERTICAL DATUM - NAVD88 (GEOID12A) (FEET)

ABBREVIATIONS AND SYMBOLS

AC-FT	ACRE-FOOT
APPROX.	APPROXIMATE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
CF	CUBIC FOOT
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
CPEP	CORRUGATED POLYETHYLENE PIPE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DIMENSION RATIO
EL	ELEVATION
FM	FORCE MAIN
HDPE	HIGH DENSITY POLYETHYLENE
I.E.	INVERT ELEVATION
INC	INCREMENT
INV.	INVERT
LBS	POUND
LF	LINEAR FEET
MAX	MAXIMUM
MIN.	MINIMUM
MIN/DOT	MINNESOTA DEPARTMENT OF TRANSPORTATION
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
O.C.	ON CENTER
P.V.	POST INDICATOR VALVE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT OF WAY
SPEC	SPECIFICATION
STD	STANDARD
TBD	TO BE DETERMINED
TYP.	TYPICAL
@	AT
Ø	DIAMETER



LEGEND

- △101 CONSTRUCTION LIMITS
- △ CONTROL POINT

CONTROL POINTS			
POINT ID	NORTHING	EASTING	ELEVATION
101	217288.578	506510.443	727.14
102	214395.691	507503.976	717.02
103	219416.516	507310.636	711.18
105	220757.273	503822.953	805.70
PP0845	222123.260	506406.020	829.66

CONTROL POINT NOTES

- ALL CONTROL POINTS, BENCHMARKS, MONUMENTS, AND OTHER REFERENCE POINTS SHALL BE CAREFULLY MAINTAINED. IF DISTURBED OR DESTROYED BY CONTRACTOR, THEY SHALL BE REPLACED AS DIRECTED BY OWNER AT CONTRACTOR'S EXPENSE.
- REESTABLISH CONTROL POINT 101 PRIOR TO REMOVAL. COORDINATE LOCATION WITH OWNER.



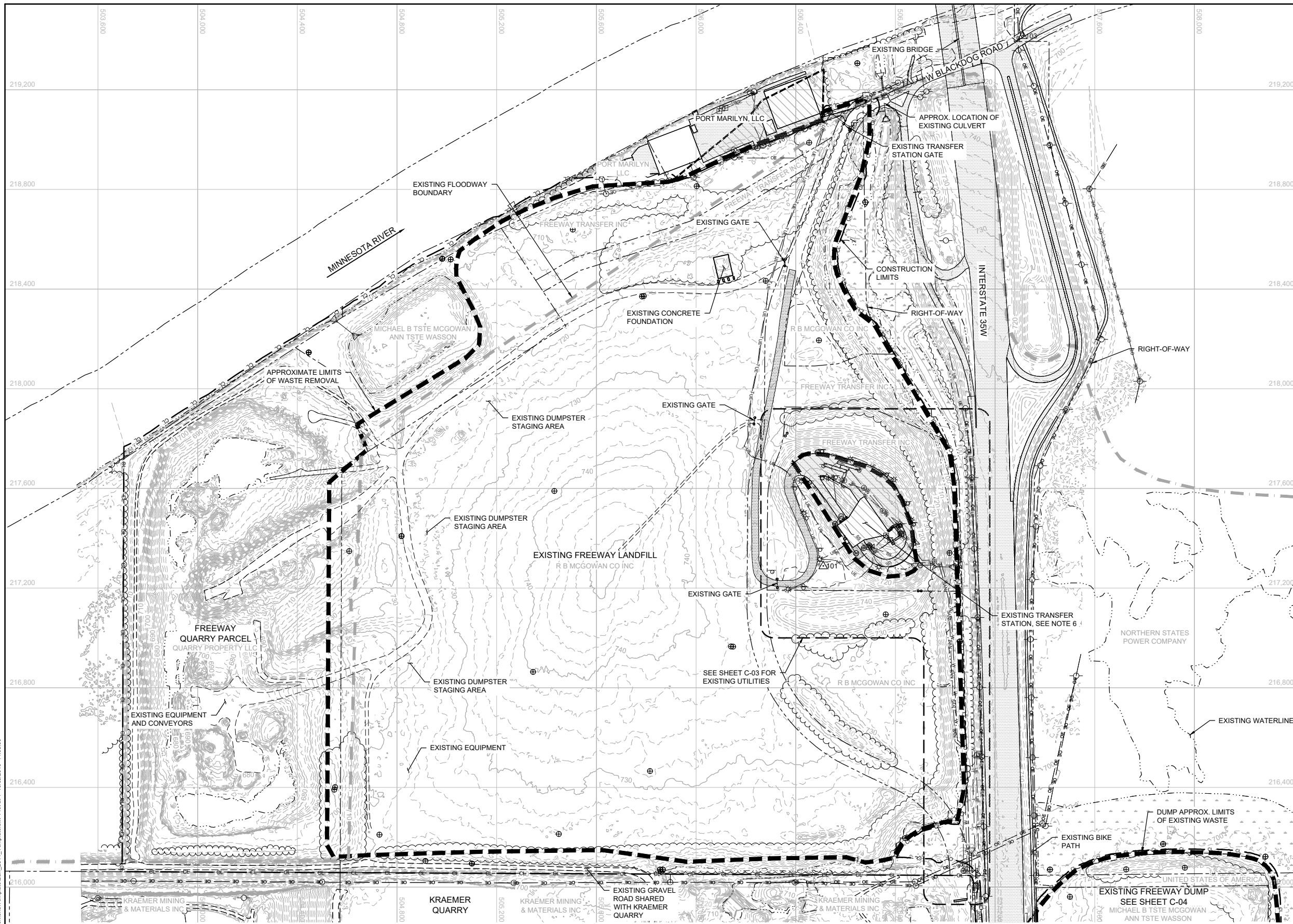
GOPHER STATE ONE CALL:
CALL BEFORE YOU DIG.
1-800-252-1166

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06/30/2022

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PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____	RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____	Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com		DRAWING INDEX AND NOTES	CLIENT PROJECT No. _____ DWG. No. G-02 REV. No. B	

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LEGEND

— CL — CL —	CONSTRUCTION LIMITS
---	PROPERTY BOUNDARY
- - - - -	EXISTING FLOODWAY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
---	EXISTING 10-FOOT CONTOUR
---	EXISTING 2-FOOT CONTOUR
— OE — OE —	EXISTING OVERHEAD ELECTRIC
— UE — UE —	EXISTING UNDERGROUND ELECTRIC
— W — W —	EXISTING POTABLE
— SS — SS —	EXISTING STORM
△ SS △ SS △	EXISTING CULVERT
— SAN — SAN —	EXISTING SANITARY
— X — X —	EXISTING CHAIN LINK FENCE
~~~~~	EXISTING TREE LINE
- - - - -	APPROXIMATE LIMITS OF WASTE REMOVAL
- - - - -	APPROXIMATE LIMITS OF WASTE TO REMAIN
▭	EXISTING BUILDING
▨	WETLANDS
▨	EXISTING BITUMINOUS PAVEMENT
▨	EXISTING GRAVEL PAVEMENT
△ 101	CONTROL POINT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊞	EXISTING ELECTRIC PEDESTAL
⊚	EXISTING WATER MANHOLE
⊙	EXISTING PIV
⊛	EXISTING GATE VALVE
⊚	EXISTING FIRE HYDRANT
⊞	EXISTING STORM SEWER MANHOLE
⊚	EXISTING SANITARY SEWER MANHOLE
⊞	EXISTING COMMUNICATIONS BOX
⊚	EXISTING SIGN
•	EXISTING BOLLARD
⊙	EXISTING GATE

- NOTES**
- TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-20 FOR EROSION CONTROL PLAN.
  - THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  - PROVIDE FLOOD PROTECTION AS SHOWN ON SHEET C-26.
  - PROTECT ALL MONITORING WELLS, UNLESS OTHERWISE NOTED.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. MAINTAIN ACCESS AND UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES.

**1 PLAN: EXISTING CONDITIONS**

0 200 400  
SCALE IN FEET

100% DRAFT  
 NOT FOR CONSTRUCTION  
 06/30/2022

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE # _____

CLIENT	03/12/21	06/30/22							
BID									
CONSTRUCTION									
RELEASED TO/FOR	A	B	C	0	1	2	3		
DATE RELEASED									

**BARR** Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

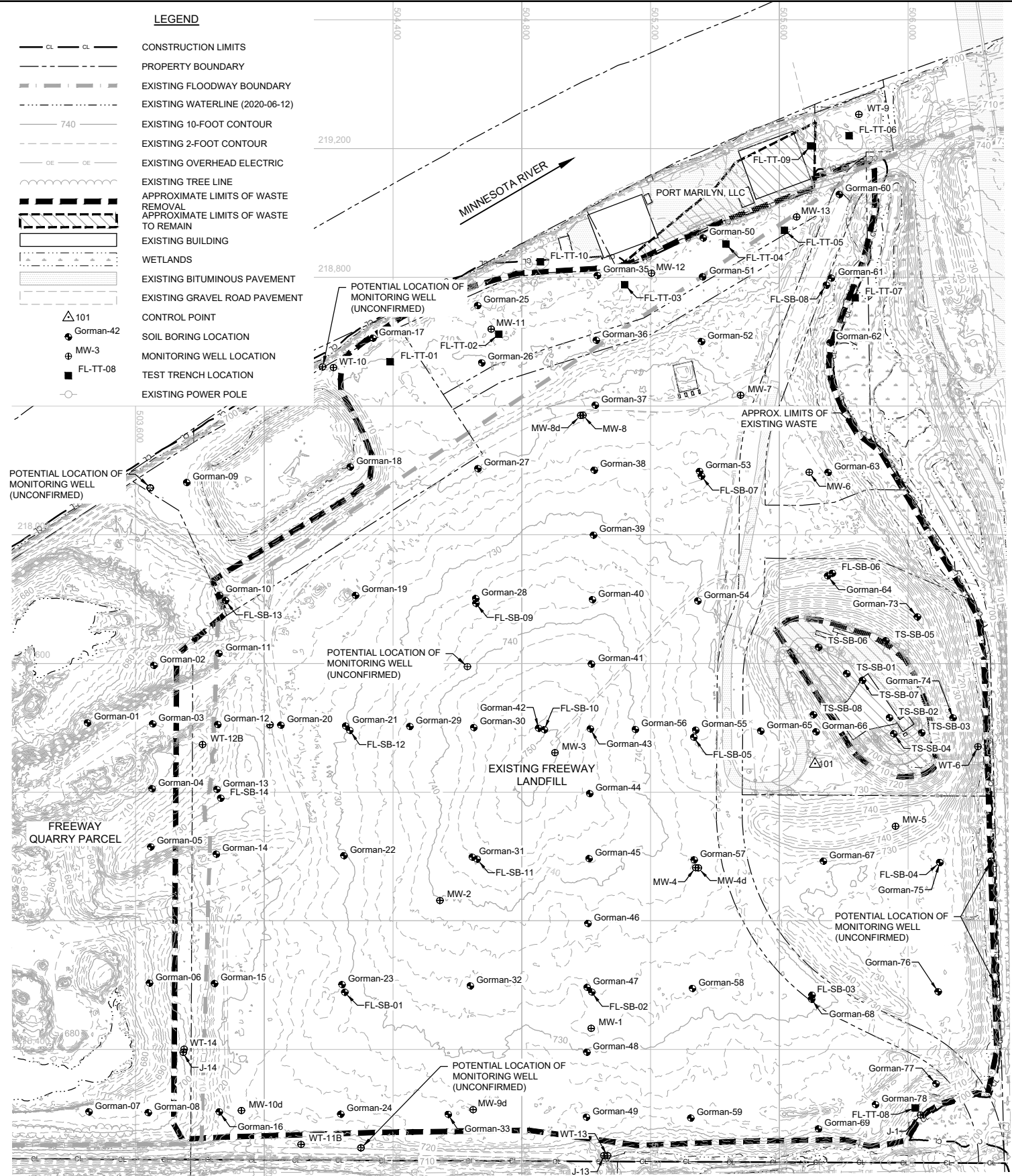
Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	



FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 LANDFILL EXISTING CONDITIONS  
 PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-01
REV. No.	B





POINT ID	INVESTIGATION METHOD (SEE NOTE 2)	NORTHING	EASTING	ELEVATION (FT)		
				EXISTING GROUND	TOP OF WASTE	BOTTOM OF WASTE
Gorman-01	Soil Boring	504251	217415	681.9	-	674.9
Gorman-02	Soil Boring	504457	217593	694.0	-	668.0
Gorman-03	Soil Boring	504453	217412	697.4	-	668.4
Gorman-04	Soil Boring	504451	217210	710.9	-	688.9
Gorman-05	Soil Boring	504448	217030	729.4	-	706.4
Gorman-06	Soil Boring	504443	216606	688.5	-	688.5
Gorman-07	Soil Boring	504256	216206	695.4	-	695.4
Gorman-08	Soil Boring	504440	216203	696.7	-	695.5
Gorman-09	Soil Boring	504559	218162	708.4	-	693.4
Gorman-10	Soil Boring	504661	217811	717.0	707.0	689.0
Gorman-11	Soil Boring	504659	217631	719.0	715.0	700.0
Gorman-12	Soil Boring	504656	217410	721.6	715.6	696.6
Gorman-13	Soil Boring	504653	217209	727.5	714.0	695.5
Gorman-14	Soil Boring	504651	217007	718.0	712.0	690.0
Gorman-15	Soil Boring	504646	216605	716.9	711.9	696.9
Gorman-16	Soil Boring	504660	216206	718.7	714.7	696.2
Gorman-17	Soil Boring	505138	218611	707.3	-	-
Gorman-18	Soil Boring	505067	218210	694.6	-	679.6
Gorman-19	Soil Boring	505083	217811	724.2	720.2	699.2
Gorman-20	Soil Boring	504851	217408	725.4	716.4	698.4
Gorman-21	Soil Boring	505053	217405	730.9	714.9	700.9
Gorman-22	Soil Boring	505048	217003	730.2	720.2	694.2
Gorman-23	Soil Boring	505041	216601	729.4	719.4	698.4
Gorman-24	Soil Boring	505038	216199	723.5	718.5	696.5
Gorman-25	Soil Boring	505462	218712	706.3	701.3	697.3
Gorman-26	Soil Boring	505475	218534	711.1	707.1	697.1
Gorman-27	Soil Boring	505464	218205	720.3	717.3	687.3
Gorman-28	Soil Boring	505456	217801	734.5	723.5	696.5
Gorman-29	Soil Boring	505252	217404	737.5	720.5	697.5
Gorman-30	Soil Boring	505451	217400	744.8	723.8	699.8
Gorman-31	Soil Boring	505446	216997	744.6	719.6	689.6
Gorman-32	Soil Boring	505440	216598	734.0	724.0	696.0
Gorman-33	Soil Boring	505371	216198	726.3	718.3	699.3
Gorman-34	Soil Boring	505834	218805	709.3	705.3	693.3
Gorman-35	Soil Boring	505831	218604	708.0	701.0	688.0
Gorman-36	Soil Boring	505828	218402	722.1	717.1	683.1
Gorman-37	Soil Boring	505825	218200	726.7	716.7	698.7
Gorman-38	Soil Boring	505823	217999	732.7	724.7	697.7
Gorman-39	Soil Boring	505819	217798	738.0	723.0	693.0
Gorman-40	Soil Boring	505816	217598	744.9	727.9	696.9
Gorman-41	Soil Boring	505652	217398	749.1	724.1	697.1
Gorman-42	Soil Boring	505813	217396	745.9	726.9	699.9
Gorman-43	Soil Boring	505810	217195	745.7	726.7	695.7
Gorman-44	Soil Boring	505809	216993	742.9	725.9	694.9
Gorman-45	Soil Boring	505805	216792	737.8	727.8	697.8
Gorman-46	Soil Boring	505803	216593	734.6	727.6	696.6
Gorman-47	Soil Boring	505802	216392	730.6	725.6	700.6
Gorman-48	Soil Boring	505801	216190	723.9	719.9	698.9
Gorman-49	Soil Boring	506164	218922	708.1	705.6	704.6
Gorman-50	Soil Boring	506161	218801	707.5	704.5	693.5
Gorman-51	Soil Boring	506158	218600	717.7	712.7	687.7
Gorman-52	Soil Boring	506152	218196	726.3	721.8	689.3
Gorman-53	Soil Boring	506147	217794	731.0	727.0	696.0
Gorman-54	Soil Boring	506140	217392	733.0	724.0	685.0
Gorman-55	Soil Boring	505953	217395	740.2	735.2	702.2
Gorman-56	Soil Boring	506135	216989	738.1	729.1	690.1
Gorman-57	Soil Boring	506130	216590	732.6	722.6	696.6
Gorman-58	Soil Boring	506125	216187	723.6	723.1	696.6
Gorman-59	Soil Boring	506586	219057	714.7	709.2	700.2
Gorman-60	Soil Boring	506561	218797	710.1	706.6	693.1
Gorman-61	Soil Boring	506558	218596	697.7	-	-
Gorman-62	Soil Boring	506551	218193	723.9	719.9	695.9
Gorman-63	Soil Boring	506550	217872	745.1	741.1	690.1
Gorman-64	Soil Boring	506342	217390	732.1	729.1	691.1
Gorman-65	Soil Boring	506514	217387	729.5	726.5	697.5
Gorman-66	Soil Boring	506537	216985	732.4	729.4	698.4
Gorman-67	Soil Boring	506500	216586	731.2	723.7	688.7
Gorman-68	Soil Boring	506521	216183	722.4	720.9	691.9
Gorman-69	Soil Boring	506828	217744	742.6	734.6	704.6
Gorman-70	Soil Boring	506939	217430	736.0	728.0	694.0

POINT ID	INVESTIGATION METHOD (SEE NOTE 2)	NORTHING	EASTING	ELEVATION (FT)		
				EXISTING GROUND	TOP OF WASTE	BOTTOM OF WASTE
Gorman-75	Soil Boring	506898	216981	725.1	723.1	699.1
Gorman-76	Soil Boring	506893	216579	725.9	722.9	698.9
Gorman-77	Soil Boring	506887	216293	715.8	700.8	698.8
Gorman-78	Soil Boring	506699	216229	724.3	717.3	697.3
FL-SB-01	Soil Boring	505050	216578	728.9	718.9	-
FL-SB-02	Soil Boring	505817	216578	734.8	728.3	-
FL-SB-03	Soil Boring	506502	216569	731.5	725.0	-
FL-SB-04	Soil Boring	506898	216981	725.1	-	-
FL-SB-05	Soil Boring	506134	217370	732.9	726.4	-
FL-SB-06	Soil Boring	506564	217880	745.6	741.1	-
FL-SB-07	Soil Boring	506158	218182	726.5	722.0	-
FL-SB-08	Soil Boring	506546	218775	713.4	707.4	-
FL-SB-09	Soil Boring	505457	217786	734.8	726.3	-
FL-SB-10	Soil Boring	505670	217394	750.1	-	-
FL-SB-11	Soil Boring	505461	216991	745.1	725.1	-
FL-SB-12	Soil Boring	505065	217391	731.1	721.1	-
FL-SB-13	Soil Boring	504679	217795	717.5	714.0	-
FL-SB-14	Soil Boring	504665	217181	730.0	720.0	-
FL-TT-01	Test Trench	505191	218537	710.6	708.6	699.6
FL-TT-02	Test Trench	505529	218623	708.7	706.7	698.2
FL-TT-03	Test Trench	505920	218776	706.3	704.3	696.3
FL-TT-04	Test Trench	506234	218903	706.9	704.9	692.9
FL-TT-05	Test Trench	506416	218946	708.1	703.1	693.1
FL-TT-06	Test Trench	506616	219240	699.2	-	-
FL-TT-07	Test Trench	506632	218736	695.2	-	-
FL-TT-08	Test Trench	506822	216218	705.3	704.3	698.3
FL-TT-09	Test Trench	506498	219208	709.0	708.5	-
FL-TT-10	Test Trench	505658	218848	707.9	-	-
MW-1	Monitoring Well	505815	216466	733.2	728.2	696.2
MW-2	Monitoring Well	505346	216863	740.3	723.8	695.3
MW-3	Monitoring Well	505703	217322	750.6	723.6	-
MW-4	Monitoring Well	506140	216965	737.8	727.8	691.8
MW-4d	Monitoring Well	506148	216965	737.7	728.7	690.7
MW-5	Monitoring Well	506761	217094	745.3	740.3	704.3
MW-6	Monitoring Well	506493	218194	725.4	719.4	690.1
MW-7	Monitoring Well	506280	218433	720.3	717.3	684.3
MW-8	Monitoring Well	505790	218371	722.4	716.4	685.4
MW-8d	Monitoring Well	505783	218370	722.5	716.5	685.0
MW-9d	Monitoring Well	505449	216213	726.4	721.4	702.4
MW-10d	Monitoring Well	504729	216210	721.5	719.5	699.5
MW-11	Monitoring Well	505505	218639	708.1	707.1	695.1
MW-12	Monitoring Well	506003	218813	709.3	704.3	697.8
MW-13	Monitoring Well	506454	218987	708.7	704.7	695.2
TS-SB-01	Soil Boring	506609	217568	711.7	709.2	694.7
TS-SB-02	Soil Boring	506742	217431	712.7	-	-
TS-SB-03	Soil Boring	506842	217384	706.9	705.4	696.9
TS-SB-04	Soil Boring	506756	217381	711.4	704.4	695.4
TS-SB-05	Soil Boring	506731	217670	710.1	705.1	698.6
TS-SB-06	Soil Boring	506522	217650	709.0	706.0	696.5
TS-SB-07	Soil Boring	506658	217547	712.5	-	686.5
TS-SB-08	Soil Boring	506506	217440	726.2	723.2	-
WT-6	Monitoring Well	507017	217341	706.5	-	694.0
WT-9	Monitoring Well	506647	219306	702.6	-	651.6
WT-10	Monitoring Well	505015	218519	707.8	-	672.8
WT-11B	Monitoring Well	504914	216105	716.2	-	701.2
WT-12B	Monitoring Well	504608	217348	712.2	-	692.2
WT-13	Monitoring Well	505866	216070	710.0	-	697.0
WT-14	Monitoring Well	504551	216401	700.4	-	699.4
J-1	Monitoring Well	506839	216196	699.0	-	686.0
J-13	Monitoring Well	505855	216070	711.7	-	698.7
J-14	Monitoring Well	504548	216391	700.5	-	699.5

- NOTES**
- THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN IN THE TABLES ABOVE. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - SOIL BORING, MONITORING WELL, AND TEST TRENCH INFORMATION IS INCLUDED IN THE BID PACKAGE.
  - PROTECT ALL MONITORING WELLS, UNLESS OTHERWISE NOTED.

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06/30/2022

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

CLIENT	03/12/21	06/30/22
CONSTRUCTION		
RELEASED TO/FOR	A	B C 0 1 2 3
DATE RELEASED		

**BARR** ENGINEERING CO.  
4300 MARKETPOINTE DRIVE  
SUITE 200  
MINNEAPOLIS, MN 55435  
Project Office:  
BARR ENGINEERING CO.  
4300 MARKETPOINTE DRIVE  
SUITE 200  
MINNEAPOLIS, MN 55435  
Ph: 1-800-632-2277  
Fax: (952) 832-2601  
www.barr.com

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	



FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA  
LANDFILL EXISTING INVESTIGATION  
PLAN

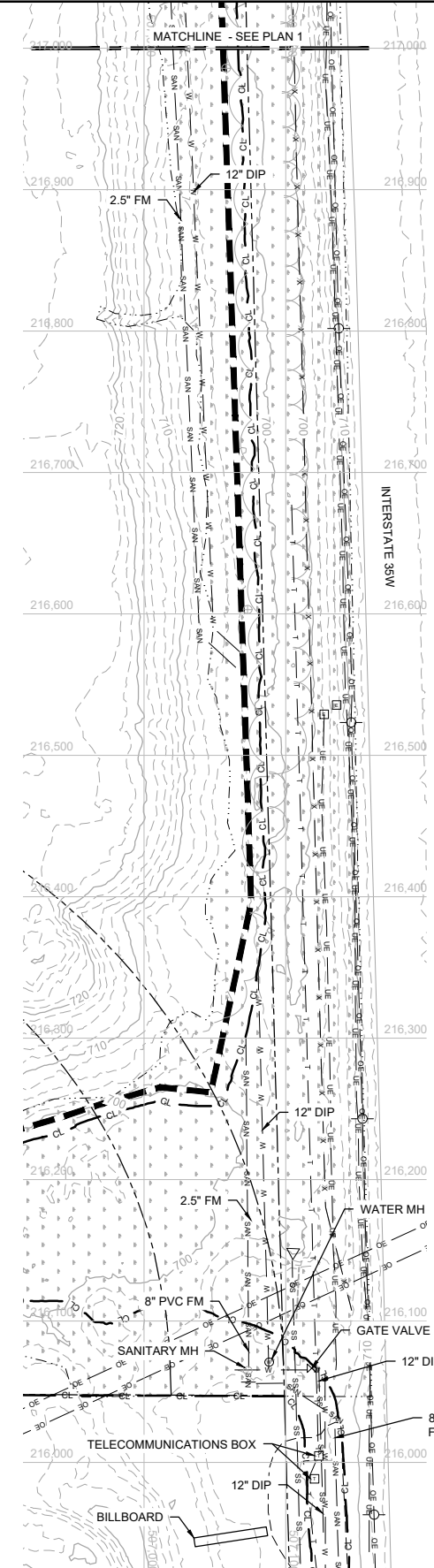
BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-02
REV. No.	B



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**1 PLAN: LANDFILL EXISTING UTILITIES - NORTH**  
 SCALE IN FEET  
 0 60 120



**2 PLAN: LANDFILL EXISTING UTILITIES - SOUTH**  
 SCALE IN FEET  
 0 60 120

**LEGEND**

	CONSTRUCTION LIMITS
	PROPERTY BOUNDARY
	EXISTING FLOODWAY BOUNDARY
	EXISTING WATERLINE (2020-06-12)
	EXISTING 10-FOOT CONTOUR
	EXISTING 2-FOOT CONTOUR
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING POTABLE
	EXISTING STORM
	EXISTING CULVERT
	EXISTING SANITARY
	EXISTING CHAIN LINK FENCE
	EXISTING TREE LINE
	APPROXIMATE LIMITS OF WASTE REMOVAL
	APPROXIMATE LIMITS OF WASTE TO REMAIN
	EXISTING BUILDING
	WETLANDS
	EXISTING BITUMINOUS PAVEMENT
	EXISTING GRAVEL ROAD PAVEMENT
	CONTROL POINT
	EXISTING MONITORING WELL
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING ELECTRIC PEDESTAL
	EXISTING WATER MANHOLE
	EXISTING PIV
	EXISTING GATE VALVE
	EXISTING FIRE HYDRANT
	EXISTING STORM SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING COMMUNICATIONS BOX
	EXISTING SIGN
	EXISTING BOLLARD
	EXISTING GATE

- NOTES**
- UTILITY INFORMATION BASED ON INFORMATION PROVIDED BY CLIENT AND IS UNVERIFIED.
  - ALL UTILITIES SHOWN ARE CONSIDERED LEVEL D, UNLESS OTHERWISE NOTED, IN ACCORDANCE WITH ASCE STANDARD C/ASCE38-02.
  - FIELD-LOCATE ALL SITE UTILITIES (PRIVATE AND PUBLIC) PRIOR TO STARTING THE WORK. ALL UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF UTILITY OWNER AT CONTRACTOR'S COST.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. SEE SHEET C-70 FOR ADDITIONAL INFORMATION.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.

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 06/30/2022

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
 PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE #: _____

CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	DATE RELEASED
03/12/21	08/30/22		A B C 0 1 2 3	

**BARR**  
 Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	

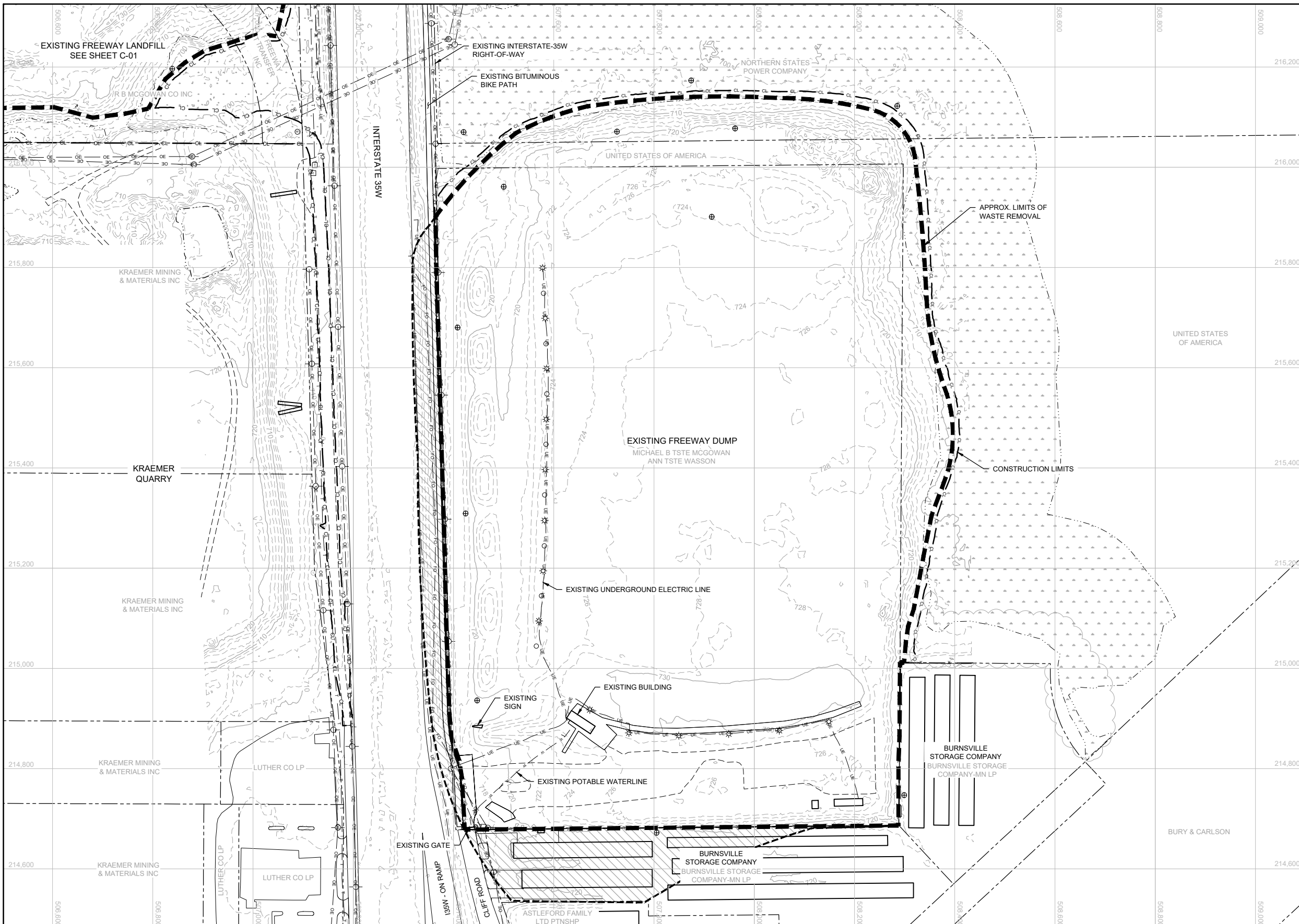


FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 LANDFILL EXISTING UTILITIES  
 PLAN

BARR PROJECT No. 23/19-1372.00	
CLIENT PROJECT No.	
DWG. No. C-03	REV. No. B



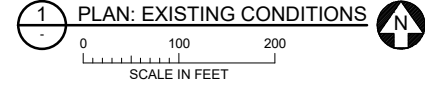
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**LEGEND**

CL	CL	CONSTRUCTION LIMITS
---	---	PROPERTY BOUNDARY
---	---	EXISTING WATERLINE (2020-06-12)
---	---	EXISTING 10-FOOT CONTOUR
---	---	EXISTING 2-FOOT CONTOUR
OE	OE	EXISTING OVERHEAD ELECTRIC
UE	UE	EXISTING UNDERGROUND ELECTRIC
T	T	EXISTING TELEPHONE LINE
FO	FO	EXISTING FIBER OPTIC
W	W	EXISTING POTABLE
SS	SS	EXISTING STORM
SS	SS	EXISTING CULVERT
SAN	SAN	EXISTING SANITARY
X	X	EXISTING CHAIN LINK FENCE
□	□	EXISTING WOOD FENCE
~	~	EXISTING TREE LINE
---	---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	---	EXISTING BUILDING
---	---	WETLANDS
---	---	EXISTING BITUMINOUS PAVEMENT
---	---	EXISTING GRAVEL ROAD PAVEMENT
⊕	⊕	EXISTING MONITORING WELL
⊙	⊙	EXISTING POWER POLE
⊛	⊛	EXISTING LIGHT POLE
⊗	⊗	EXISTING WATER MANHOLE
⊠	⊠	EXISTING GATE VALVE
⊚	⊚	EXISTING SANITARY SEWER MANHOLE
⊞	⊞	EXISTING COMMUNICATIONS BOX
○	○	EXISTING POLE

- NOTES**
- TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-22 FOR EROSION CONTROL PLAN.
  - THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  - PROVIDE FLOOD PROTECTION AS SHOWN ON SHEET C-27.
  - PROTECT ALL MONITORING WELLS, UNLESS OTHERWISE NOTED.
  - MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  - SURVEY LOCATE DID NOT CLEARLY LOCATE IRRIGATION SYSTEM.



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 NOT FOR CONSTRUCTION  
 06/30/2022

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE # _____

CLIENT	01/20/2021	06/30/22					
BID							
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

**BARR** ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
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 Ph: 1-800-632-2277  
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 www.barr.com

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	

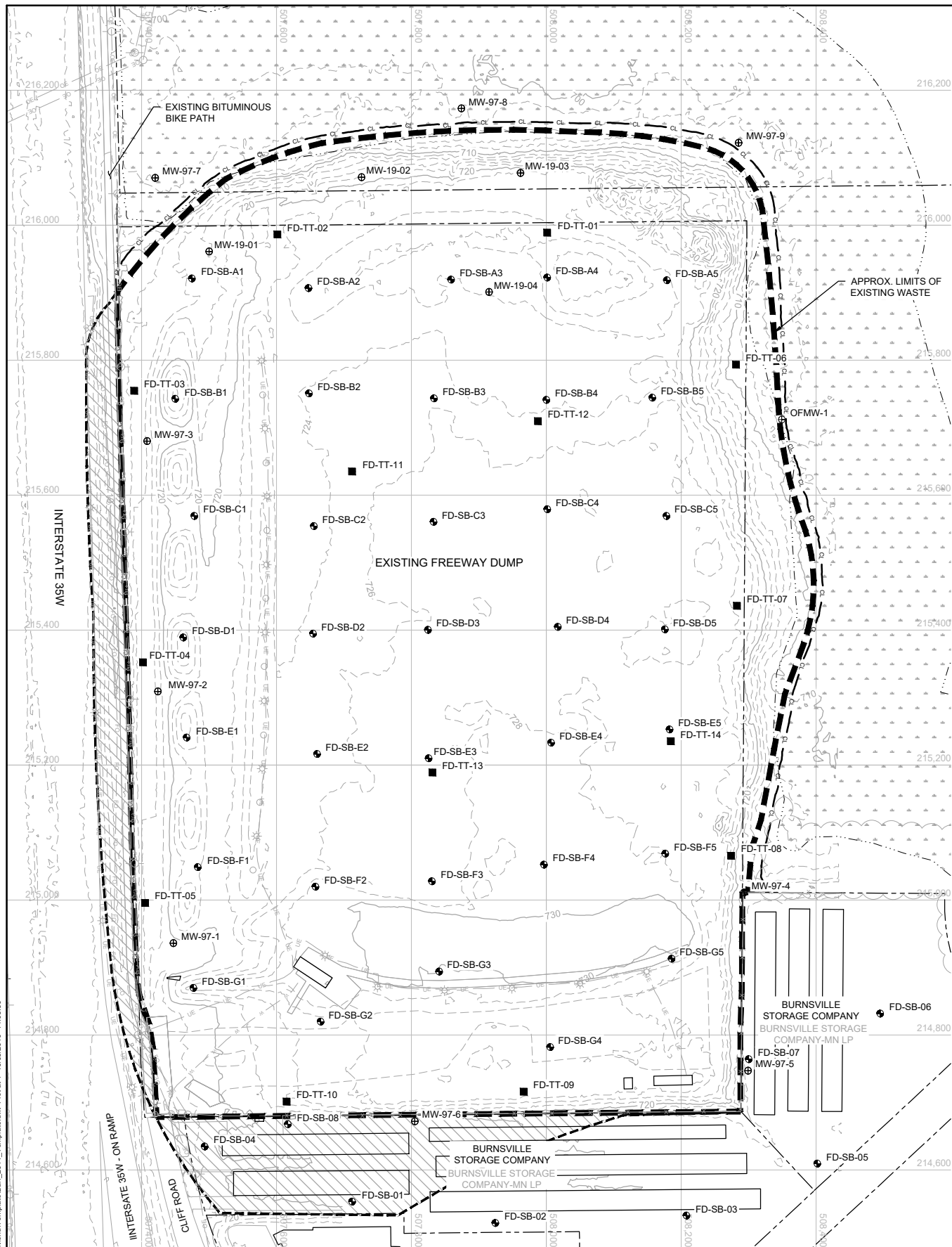


FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 DUMP EXISTING CONDITIONS  
 PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-04
REV. No.	B



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1 PLAN: EXISTING INVESTIGATION  
 SCALE IN FEET  
 0 100 200

**LEGEND**

CL	CONSTRUCTION LIMITS	[Symbol]	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	PROPERTY BOUNDARY	[Symbol]	EXISTING BUILDING
720	EXISTING 10-FOOT CONTOUR	[Symbol]	WETLANDS
728	EXISTING 2-FOOT CONTOUR	[Symbol]	EXISTING BITUMINOUS PAVEMENT
OE	EXISTING OVERHEAD ELECTRIC	[Symbol]	EXISTING GRAVEL ROAD PAVEMENT
UE	EXISTING UNDERGROUND ELECTRIC	[Symbol]	SOIL BORING LOCATION
T	EXISTING TELEPHONE LINE	[Symbol]	MONITORING WELL LOCATION
FO	EXISTING FIBER OPTIC	[Symbol]	TEST TRENCH LOCATION
W	EXISTING POTABLE	[Symbol]	EXISTING POWER POLE
[Symbol]	EXISTING TREE LINE	[Symbol]	EXISTING LIGHT POLE
[Symbol]	APPROXIMATE LIMITS OF WASTE REMOVAL	[Symbol]	EXISTING POLE

- NOTES**
- THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN IN THE TABLES BELOW. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - SOIL BORING, MONITORING WELL, AND TEST TRENCH INFORMATION IS INCLUDED IN THE BID PACKAGE.
  - PROTECT ALL MONITORING WELLS, UNLESS OTHERWISE NOTED.

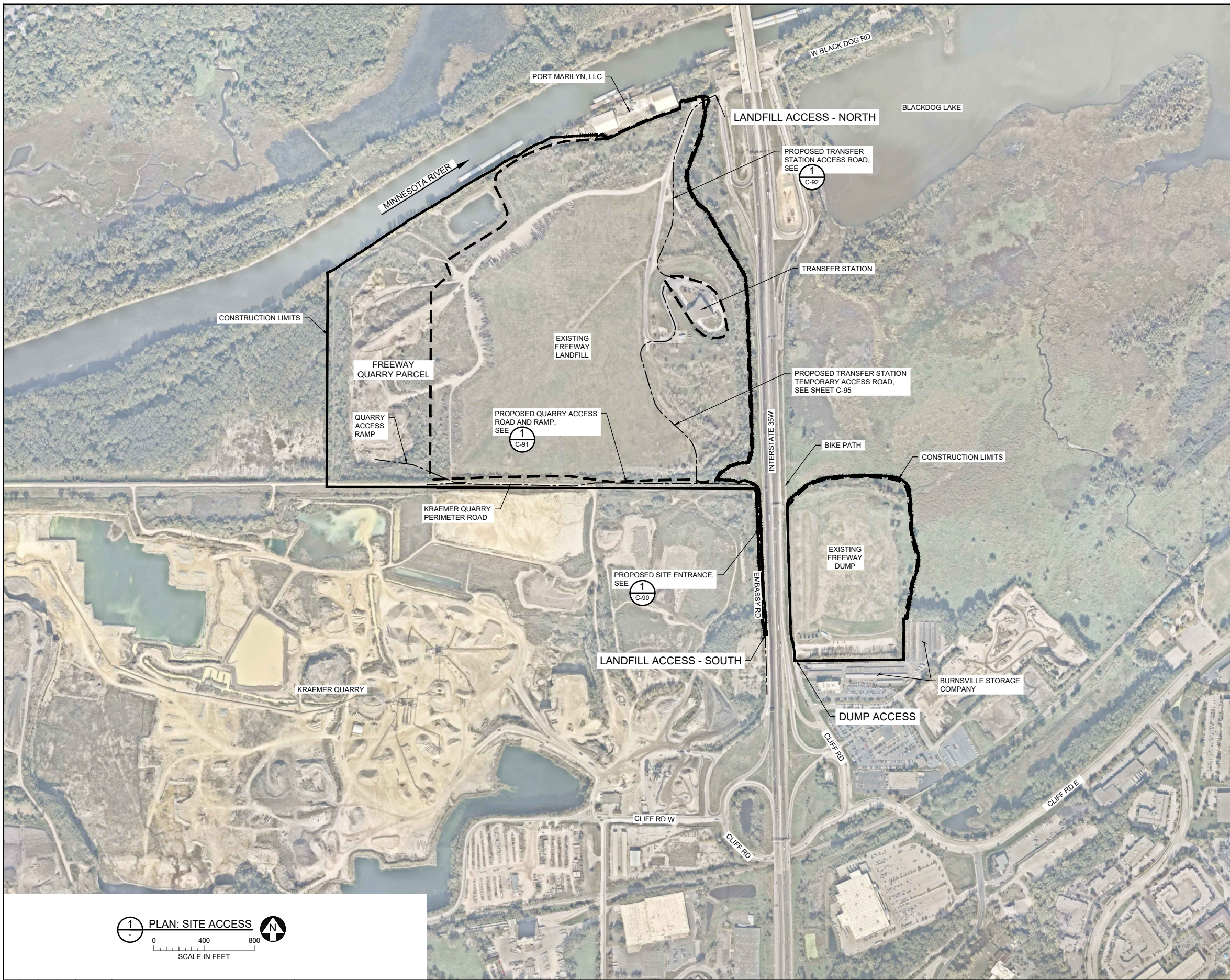
POINT ID	INVESTIGATION METHOD (SEE NOTE 2)	NORTHING	EASTING	ELEVATION (FT)			
				EXISTING GROUND	TOP OF WASTE	BOTTOM OF WASTE	BEDROCK
FD-SB-A1	Soil Boring	215921	507475	714.1	713.1	702.6	701.1
FD-SB-A2	Soil Boring	215907	507647	725.1	721.1	699.1	699.1
FD-SB-A3	Soil Boring	215919	507859	723.7	720.2	690.7	688.7
FD-SB-A4	Soil Boring	215922	508001	726.6	721.6	700.6	-
FD-SB-A5	Soil Boring	215918	508179	724.5	713.0	699.0	-
FD-SB-B1	Soil Boring	215743	507450	725.9	719.9	703.4	701.4
FD-SB-B2	Soil Boring	215751	507648	723.9	721.9	698.9	698.9
FD-SB-B3	Soil Boring	215743	507833	725.5	725.0	698.5	-
FD-SB-B4	Soil Boring	215741	508000	723.8	722.3	697.5	-
FD-SB-B5	Soil Boring	215744	508157	725.0	723.0	703.5	-
FD-SB-C1	Soil Boring	215569	507478	720.4	715.4	702.9	700.9
FD-SB-C2	Soil Boring	215554	507655	723.3	720.8	707.3	702.3
FD-SB-C3	Soil Boring	215560	507833	727.0	722.5	711.0	705.5
FD-SB-C4	Soil Boring	215579	508001	727.7	726.2	702.7	702.7
FD-SB-C5	Soil Boring	215569	508178	727.2	724.7	704.7	-
FD-SB-D1	Soil Boring	215389	507462	726.3	715.3	703.3	701.3
FD-SB-D2	Soil Boring	215395	507654	724.3	720.3	703.8	703.8
FD-SB-D3	Soil Boring	215400	507824	726.1	722.1	706.1	704.1
FD-SB-D4	Soil Boring	215405	508017	726.9	723.4	706.9	705.9
FD-SB-D5	Soil Boring	215401	508176	728.5	726.5	708.0	708.0
FD-SB-E1	Soil Boring	215241	507467	725.9	717.9	703.9	702.4
FD-SB-E2	Soil Boring	215216	507660	725.5	722.5	703.5	703.5
FD-SB-E3	Soil Boring	215210	507826	727.8	726.8	703.8	703.8
FD-SB-E4	Soil Boring	215233	508007	728.3	725.3	-	-
FD-SB-E5	Soil Boring	215253	508183	727.7	726.2	706.7	706.7
FD-SB-F1	Soil Boring	215048	507483	722.0	717.0	707.5	706.5
FD-SB-F2	Soil Boring	215020	507658	728.5	724.0	706.5	705.0
FD-SB-F3	Soil Boring	215028	507830	727.7	726.7	706.7	705.2
FD-SB-F4	Soil Boring	215052	507996	728.9	726.4	713.9	713.9
FD-SB-F5	Soil Boring	215069	508176	728.1	727.1	714.1	714.1
FD-SB-G1	Soil Boring	214870	507477	726.5	715.5	707.5	705.5
FD-SB-G2	Soil Boring	214820	507665	725.3	722.3	708.3	707.3
FD-SB-G3	Soil Boring	214894	507841	729.9	726.9	709.9	709.9
FD-SB-G4	Soil Boring	214782	508006	727.2	725.7	711.7	710.2
FD-SB-G5	Soil Boring	214913	508186	729.2	725.2	715.2	715.2

POINT ID	INVESTIGATION METHOD (SEE NOTE 2)	NORTHING	EASTING	ELEVATION (FT)			
				EXISTING GROUND	TOP OF WASTE	BOTTOM OF WASTE	BEDROCK
FD-SB-01	Soil Boring	214553	507712	720.2	715.7	710.2	710.2
FD-SB-02	Soil Boring	214521	507924	720.6	-	-	702.6
FD-SB-03	Soil Boring	214532	508208	719.1	-	-	709.1
FD-SB-04	Soil Boring	214635	507494	718.9	713.9	708.9	708.9
FD-SB-05	Soil Boring	214609	508401	718.6	-	-	708.1
FD-SB-06	Soil Boring	214832	508495	718.6	-	-	706.6
FD-SB-07	Soil Boring	214764	508300	718.1	-	-	708.6
FD-SB-08	Soil Boring	214668	507617	719.8	719.3	710.8	707.3
MW-19-01	Monitoring Well	215961	507500	716.4	714.9	701.9	701.4
MW-19-02	Monitoring Well	216071	507726	718.5	717.5	702.5	701.0
MW-19-03	Monitoring Well	216077	507962	723.0	719.5	701.0	-
MW-19-04	Monitoring Well	215901	507915	724.1	720.6	694.1	688.6
OFMW-1	Monitoring Well	215712	508349	705.1	-	-	-
MW-19-01	Monitoring Well	214936	507447	719.0	-	-	705.0
MW-19-02	Monitoring Well	215309	507424	716.6	-	-	702.6
MW-19-03	Monitoring Well	215680	507408	714.5	-	-	700.5
MW-19-04	Monitoring Well	215011	508293	718.0	-	-	709.0
MW-19-05	Monitoring Well	214747	508299	718.0	-	-	707.5
MW-19-06	Monitoring Well	214672	507805	720.5	-	-	706.5
MW-19-07	Monitoring Well	216070	507420	704.0	-	-	699.5
MW-19-08	Monitoring Well	216173	507874	702.1	-	-	697.6
MW-19-09	Monitoring Well	216122	508285	705.2	-	-	697.7
FD-TT-01	Test Trench	215989	508001	725.5	722.5	-	-
FD-TT-02	Test Trench	215986	507601	721.8	720.8	-	-
FD-TT-03	Test Trench	215755	507389	712.4	710.4	707.4	-
FD-TT-04	Test Trench	215352	507402	714.4	712.9	704.4	702.4
FD-TT-05	Test Trench	214996	507405	716.2	712.2	707.2	706.2
FD-TT-06	Test Trench	215793	508281	709.2	707.7	-	-
FD-TT-07	Test Trench	215436	508283	726.4	722.4	-	-
FD-TT-08	Test Trench	215066	508274	722.9	720.9	-	-
FD-TT-09	Test Trench	214716	507966	727.1	723.1	-	-
FD-TT-10	Test Trench	214701	507615	723.7	721.7	-	-
FD-TT-11	Test Trench	215635	507712	724.5	722.5	-	-
FD-TT-12	Test Trench	215710	507988	724.9	723.4	-	-
FD-TT-13	Test Trench	215189	507831	727.4	725.9	-	-
FD-TT-14	Test Trench	215235	508184	727.6	727.1	-	-

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE #: _____				CLIENT: BARR ENGINEERING CO. BID: 03/12/21 08/30/22 CONSTRUCTION: _____ RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com				Scale: AS SHOWN Date: 09/05/2019 Drawn: AWT Checked: BDP Designed: BARR Approved: _____				100% DRAFT NOT FOR CONSTRUCTION 06/30/2022 FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA DUMP EXISTING INVESTIGATION PLAN				BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No. DWG. No. C-05 REV. No. B			
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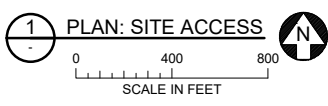




**LEGEND**

	CONSTRUCTION LIMITS
	PROPOSED CENTERLINE ALIGNMENT
	APPROXIMATE LIMITS OF WASTE REMOVAL

- NOTES**
1. CONTRACTOR RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL THROUGHOUT CONSTRUCTION. TEMPORARY TRAFFIC AND PEDESTRIAN CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
  2. ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES BY THE FEDERAL HIGHWAY ADMINISTRATION. CONTRACTOR SHALL GET APPROVAL FOR PROPOSED TRAFFIC CONTROL PLAN FROM AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.
  3. ALL ADJACENT STREETS, PATHS, AND PARKING LOTS MUST BE SWEEPED TO KEEP THEM FREE OF SEDIMENT AND MATERIALS TRACKED OFF SITE.
  4. RESTORE CLIF RD, EMBASSY RD, AND BIKE PATH TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF WORK. REPAVE PROPOSED SITE ENTRANCE UPON COMPLETION OF PROJECT.
  5. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  6. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  7. COORDINATE TIMING WITH PORT MARILYN, LLC FOR CONSTRUCTION ACTIVITIES THAT WOULD LIMIT THEIR ACCESS.



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06/30/2022

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CONSTRUCTION									
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DATE RELEASED									

**BARR** ENGINEERING CO.  
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Suite 200  
MINNEAPOLIS, MN 55435

Project Office:  
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Minneapolis, Minnesota  
Ph: 1-800-632-2277  
Ph: 1-800-632-2277

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	

**MINNESOTA POLLUTION CONTROL AGENCY**

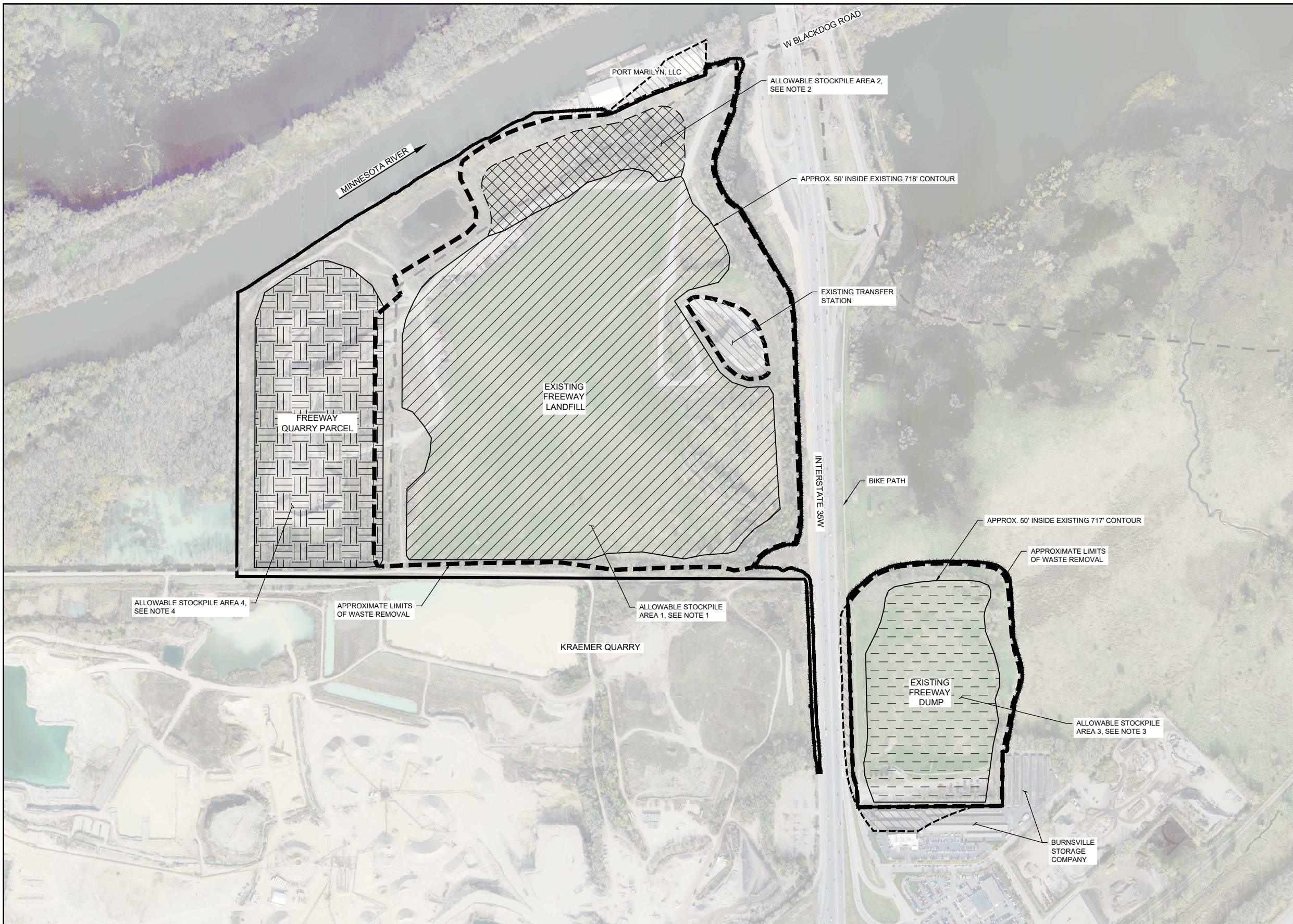
FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

**SITE ACCESS PLAN**

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-06
REV. No.	B

CADD USER: Jack A. Mettich FILE: M:\DESIGN\23191372\062319137205_HAUL_C-06.DWG PLOT SCALE: 1:2 PLOT DATE: 06/28/2022 10:45 AM  
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**LEGEND**

	CONSTRUCTION LIMITS
	EXISTING FLOODWAY BOUNDARY
	APPROXIMATE LIMITS OF WASTE REMOVAL
	APPROXIMATE LIMITS OF WASTE TO REMAIN
	ALLOWABLE STOCKPILE AREA 1, SEE NOTE 1
	ALLOWABLE STOCKPILE AREA 2, SEE NOTE 2
	ALLOWABLE STOCKPILE AREA 3, SEE NOTE 3
	ALLOWABLE STOCKPILE AREA 4, SEE NOTE 4

- NOTES:**
- ALLOWABLE STOCKPILE AREA 1: STOCKPILES IN THIS AREA MAY INCLUDE WASTE, NON-WASTE, OR TOPSOIL AND SHALL NOT EXCEED AN ELEVATION OF 750'. SEE SHEET C-010 FOR ADDITIONAL DETAILS.
  - ALLOWABLE STOCKPILE AREA 2: STOCKPILES ALLOWED IN THIS AREA AFTER SURROUNDING FLOOD PROTECTION BERM IS CONSTRUCTED. STOCKPILES IN THIS AREA MAY INCLUDE NON-WASTE OR TOPSOIL AND SHALL NOT EXCEED AN ELEVATION OF 718'. NO WASTE STOCKPILES ALLOWED IN THIS AREA. SEE SHEET C-010 FOR ADDITIONAL DETAILS.
  - ALLOWABLE STOCKPILE AREA 3: STOCKPILES IN THIS AREA MAY INCLUDE WASTE, NON-WASTE, OR TOPSOIL AND SHALL NOT EXCEED AN ELEVATION OF 750'. SEE SHEET C-010 FOR ADDITIONAL DETAILS.
  - ALLOWABLE STOCKPILE AREA 4: STOCKPILES IN THIS AREA MAY INCLUDE NON-WASTE OR TOPSOIL AND SHALL NOT EXCEED AN ELEVATION OF 708'. SEE SHEET C-010 FOR ADDITIONAL DETAILS.
  - STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  - PLACE STOCKPILES PER SPECIFICATION 31 23 00.
  - TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEETS C-020 AND C-022 FOR EROSION CONTROL PLAN.
  - INSTALL SEDIMENT CONTROL LOGS AROUND PERIMETER OF STOCKPILES PER DETAIL 2 ON SHEET C-025.
  - TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-025.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-205 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

1 PLAN: STAGING AREAS

0 300 600

SCALE IN FEET

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Ph: 1-800-632-2277

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Approved	-



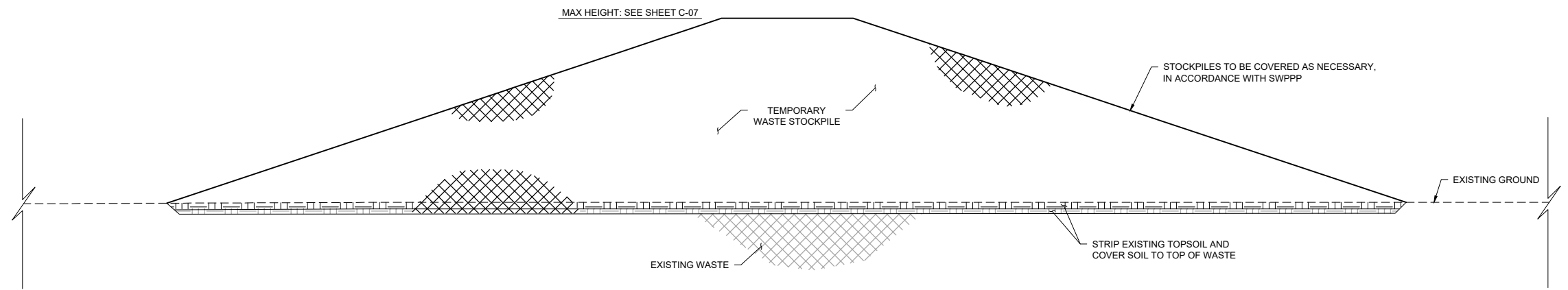
FREEWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL	
BURNSVILLE, MINNESOTA	
LANDFILL STAGING AREAS	
PLAN	

BARR PROJECT No. 23/19-1372.00	
CLIENT PROJECT No.	
DWG. No. C-07	REV. No. B

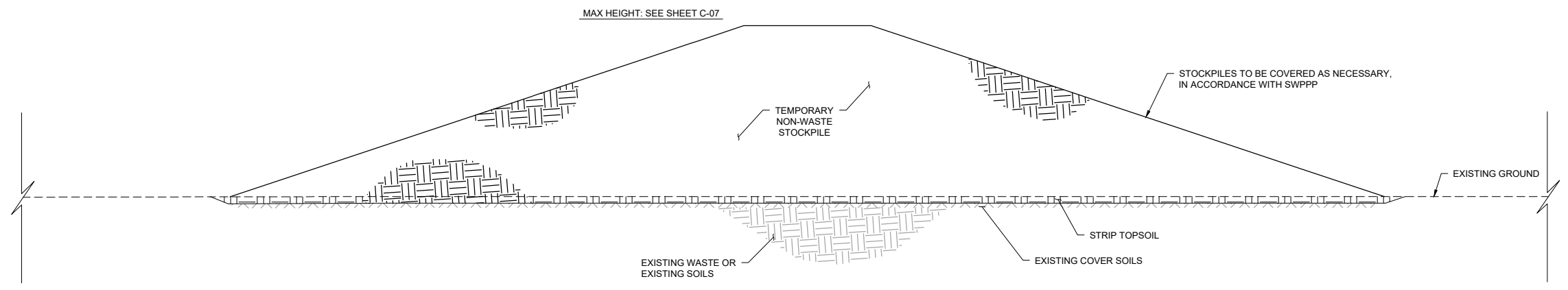


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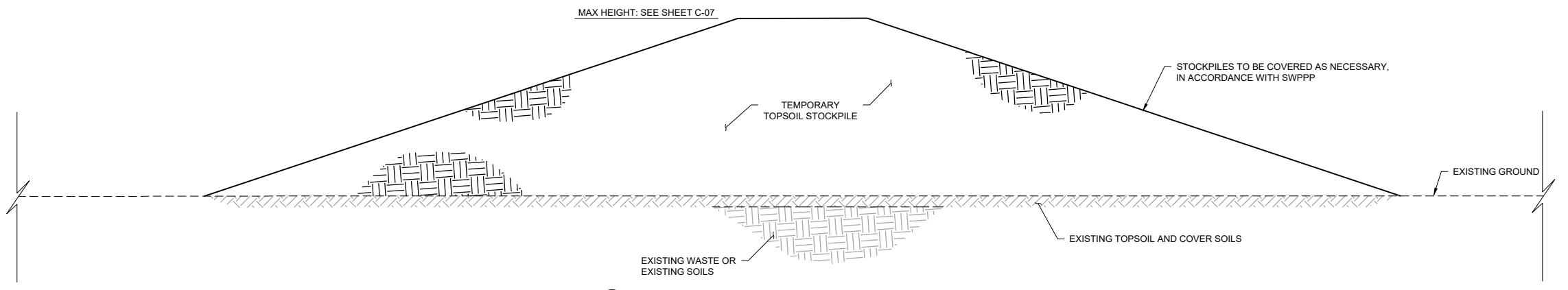
- EXISTING GROUND
- ===== TOP OF STOCKPILE
- [Hatched pattern] TOPSOIL
- [Cross-hatched pattern] COVER SOIL OVER STOCKPILE
- [Diagonal hatched pattern] EXISTING WASTE OR EXISTING SOILS
- [X-hatched pattern] STOCKPILED WASTE
- [Vertical hatched pattern] STOCKPILED NON-WASTE MATERIAL



**1 SECTION: TEMPORARY WASTE STOCKPILE (TYP.)**  
NOT TO SCALE



**2 SECTION: TEMPORARY NON-WASTE STOCKPILE (TYP.)**  
NOT TO SCALE



**3 SECTION: TEMPORARY TOPSOIL STOCKPILE (TYP.)**  
NOT TO SCALE

**NOTES**

1. PLACE STOCKPILES IN LOCATIONS AND TO MAXIMUM ELEVATIONS AS SHOWN ON SHEET C-07.
2. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
3. PLACE STOCKPILES PER SPECIFICATION 31 23 00. PLACE TEMPORARY WASTE STOCKPILES PER SPECIFICATION 31 23 16.
4. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEETS C-20 AND C-22 FOR EROSION CONTROL PLAN.
5. INSTALL SEDIMENT CONTROL LOGS AROUND PERIMETER OF STOCKPILES PER DETAIL 2 ON SHEET C-25.
6. TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-25.
7. STOCKPILE MATERIALS AT SAFE SLOPES IN ACCORDANCE WITH OSHA.
8. STABILIZE STOCKPILES PER SWPPP.

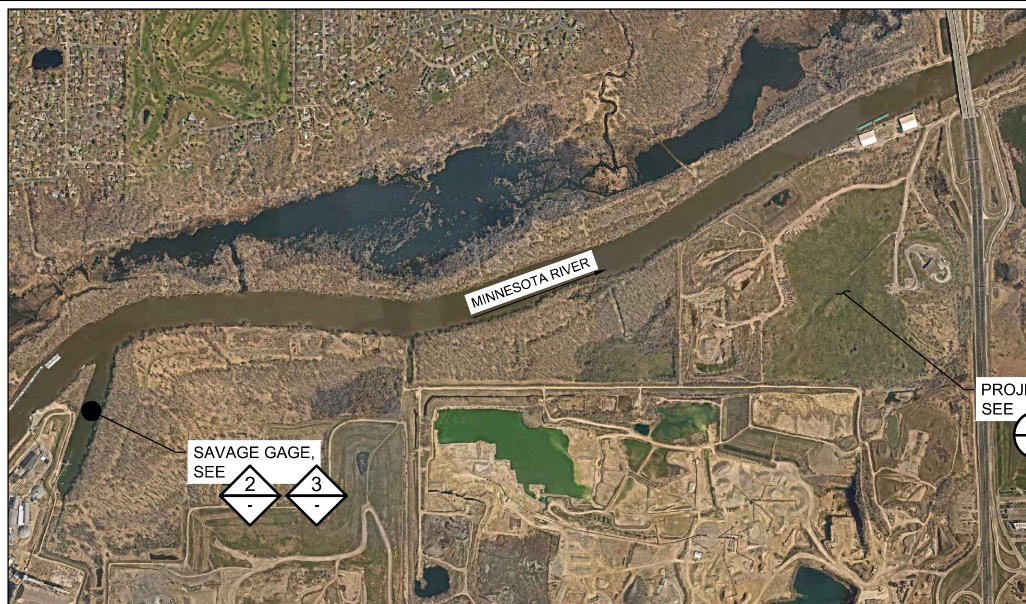
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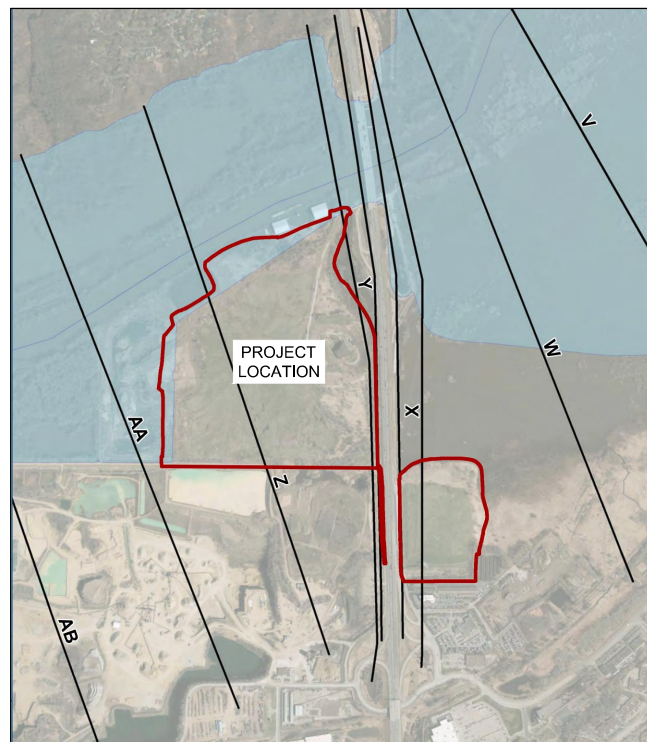
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				RELEASED TO/FOR A B C 0 1 2 3		DATE RELEASED				CLIENT PROJECT No.				DWG. No. C-08	REV. No. B







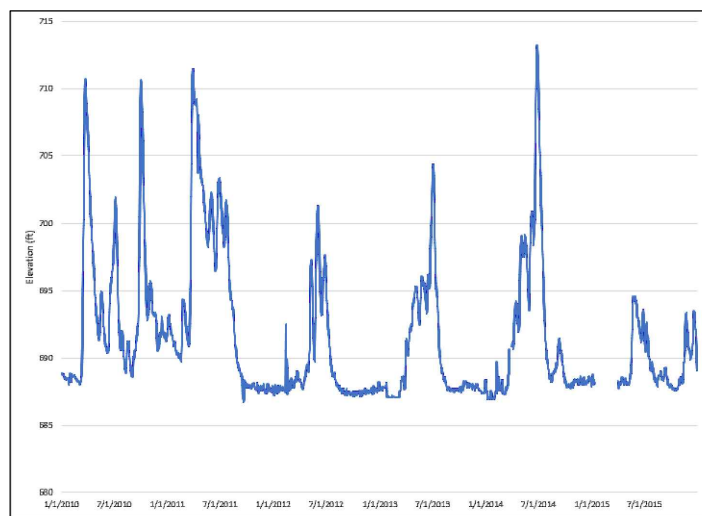
1 PLAN: GAGE STATION AND PROJECT LOCATION MAP  
NOT TO SCALE



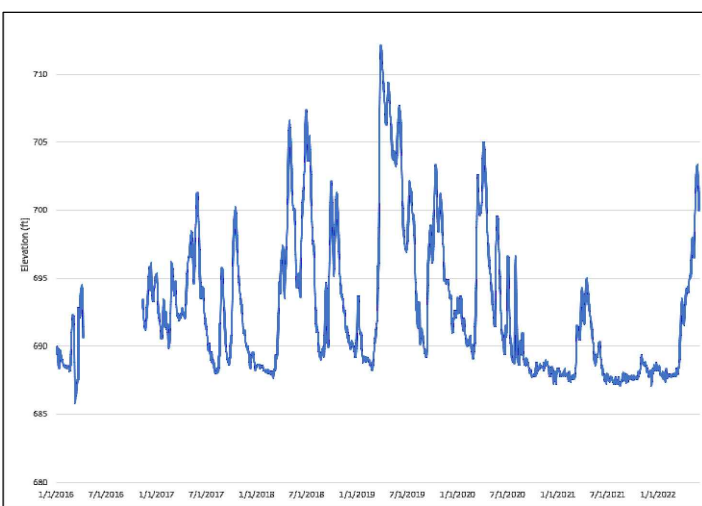
4 PLAN: FEMA FLOOD MAP  
NOT TO SCALE

RETURN PERIOD	FLOW (CFS)	WATER SURFACE ELEVATION (FT)	VELOCITY (FT/S)
LOW FLOW (NWE)	380	693.7	-
10% ANNUAL CHANCE FLOOD	48,500	707.3	3.5
2% ANNUAL CHANCE FLOOD	85,300	713.5	4.1
1% ANNUAL CHANCE FLOOD	103,000	715.9	4.3
0.2% ANNUAL CHANCE FLOOD	148,000	721.6	4.8

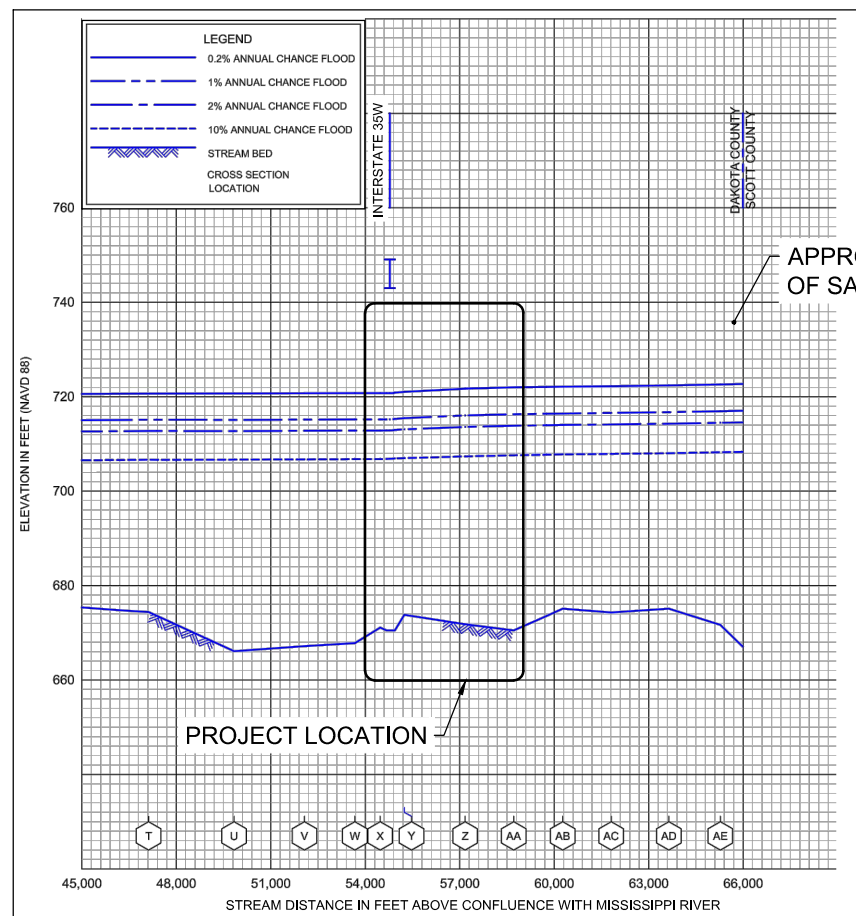
6 TABLE: ESTIMATED PEAK FLOW HYDRAULIC CONDITIONS AT FEMA CROSS SECTION Z



2 DETAIL: OBSERVED DAILY AVERAGE WATER ELEVATION AT SAVAGE GAGE (2010-2015)



3 DETAIL: OBSERVED DAILY AVERAGE WATER ELEVATION AT SAVAGE GAGE (2011-MAY 2022)



5 DETAIL: FEMA FLOOD PROFILE

APPROXIMATE LOCATION OF SAVAGE GAGE

NOTES:

- OBSERVED WATER LEVELS REPRESENT DATA AT SAVAGE GATE. DATA DOWNLOADED FROM <https://www.mvp-wc.usace.army.mil/data/Savage.Data.shtml>.
- DATA REMOVED FROM SEVERAL DATES AND TIME PERIODS DURING WHICH THE GAGE DID NOT APPEAR TO BE FUNCTIONING PROPERLY. THOSE DATES AND RANGES INCLUDE: 11/26/13, 3/23/14 - 3/31/14, 1/1/15 - 3/31/15, AND 4/10/16 - 11/9/16.
- ADDITIONAL WATER LEVEL INFORMATION AVAILABLE AT WEBSITE LISTED ABOVE AND AT <https://water.weather.gov/ahps2/hydrograph.php?gage=savm5&wfo=mpx>
- ELEVATION DATA PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ACCURACY NOT GUARANTEED. FUTURE CONDITIONS MAY VARY.

CADD USER: Andrea W. Talkner; FILE: M:\DESIGN\2019\1372\06\2019\137205_HAUL_C-09.DWG; PLOT SCALE: 1:2; PLOT DATE: 6/29/2022 2:38 PM

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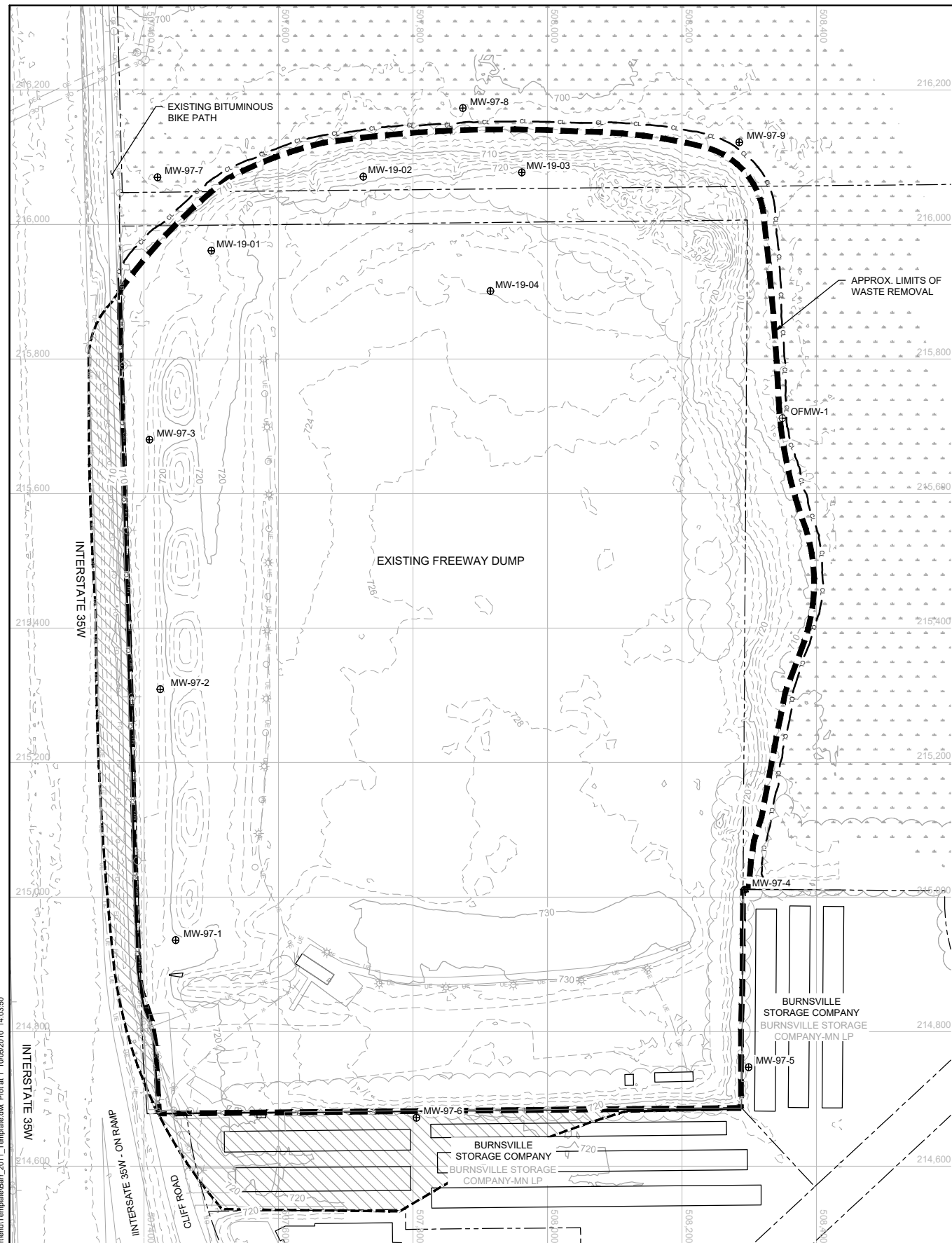
FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA		BARR PROJECT No. 23/19-1372.00
HYDRAULICS AND HYDROLOGY		CLIENT PROJECT No.
DWG. No. C-09	REV. No. B	

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1 PLAN: EXISTING DUMP GROUNDWATER MONITORING

MONITORING WELL ID	TOP OF SCREEN	BOTTOM OF SCREEN	NORTHING	EASTING	ELEVATION (FT)				GROUNDWATER ELEVATION DATA (FT MSL)			
					EXISTING GROUND	TOP OF WASTE	BOTTOM OF WASTE	BEDROCK	Sept 23 2019	June 17 2019	April 9 2019	Jan 2015
MINNESOTA RIVER STAGE AT SAVAGE	-	-	-	-	-	-	-	-	698.9	698.8	708.32	688.37
MW-19-01	708.8	698.8	4959662	477236	716	714	701	700.8	701.3	705.2	706.7	-
MW-19-02	710.5	700.5	4959695	477305	718	717	702	700.5	700.6	705.2	707.4	-
MW-19-03	708.2	688.2	4959697	477377	722	719	700	-	703.3	706.0	708.6	-
MW-19-04	709.1	689.1	4959643	477362	724	721	699	688.6	704.9	706.6	708.3	-
MW-97-1	703.0	688.0	4959350	477218	719	-	-	705.0	703.0	706.3	702.6	695.7
MW-97-2	701.0	686.0	4959464	477212	717	-	-	703.0	702.7	705.3	-	-
MW-97-3	697.6	683.6	4959577	477207	714	-	-	699.6	700.0	702.2	703.9	-
MW-97-4	707.5	690.5	4959372	477476	719	-	-	709.5	709.3	710.8	710.7	-
MW-97-5	704.8	687.8	4959291	477478	718	-	-	707.8	709.0	710.4	709.9	704.9
MW-97-6	704.5	691.5	4959269	477327	720	-	-	706.5	706.1	708.8	703.4	-
MW-97-7	695.4	685.9	4959695	477212	704	-	-	698.9	696.8	699.0	-	687.5
MW-97-8	687.1	682.1	4959726	477350	702	-	-	697.1	-	-	-	-
MW-97-9	694.9	684.9	4959710	477475	705	-	-	696.9	701.1	701.6	-	695.7
OFMW-1	694.0	684.0	4959585	477494	705	-	704.0	-	702.1	702.4	-	-

- NOTES:
- GROUNDWATER MONITORING HAS BEEN PERIODICALLY COLLECTED BY VARIOUS PARTIES OVER SEVERAL DECADES.
  - THE GROUNDWATER DATA TABULATED ABOVE HAS BEEN SELECTED AS THE MOST COMPREHENSIVE SET OF DATA AVAILABLE. ADDITIONAL DATA MAY BE AVAILABLE, AND GROUNDWATER ELEVATIONS MAY BE OBSERVED OUTSIDE OF THE RANGES PRESENTED IN THE TABLE.
  - NOT ALL MONITORING WELLS ARE SCREENED IN THE SAME GEOLOGIC UNIT. CONTRACTORS ARE ENCOURAGED TO REVIEW THE FOCUSED REMEDIAL INVESTIGATION REPORT FOR ADDITIONAL CONTEXT REGARDING GROUNDWATER ELEVATION DATA.
  - COMPREHENSIVE MONITORING WELL INFORMATION IS INCLUDED IN THE REFERENCE DOCUMENTS.

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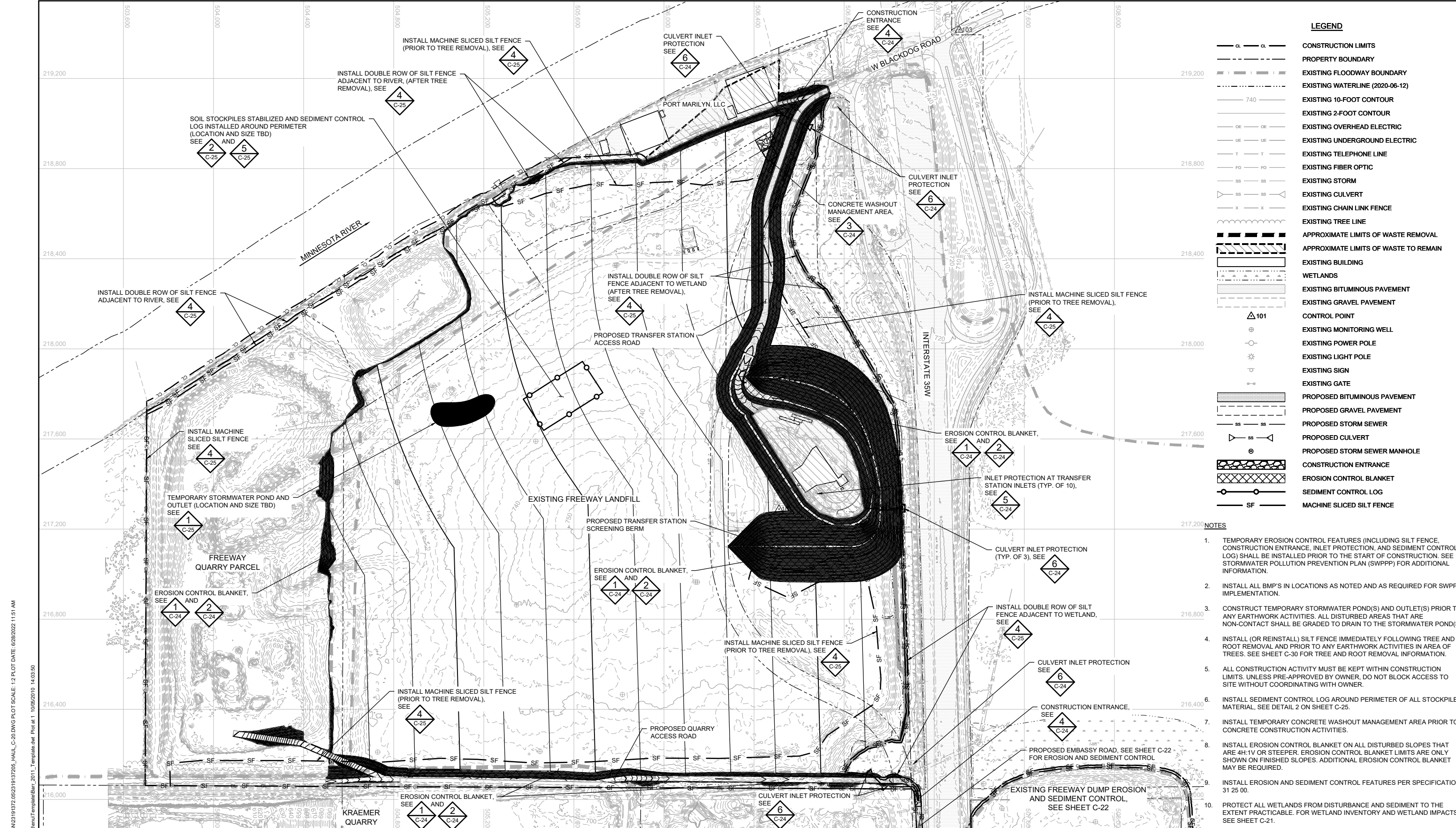
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FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA		BARR PROJECT No. 23/19-1372.00
DUMP GROUNDWATER MONITORING PLAN		CLIENT PROJECT No.
DWG. No. C-11	REV. No. B	

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**LEGEND**

— a — a —	CONSTRUCTION LIMITS
- - - - -	PROPERTY BOUNDARY
- - - - -	EXISTING FLOODWAY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
— 740 —	EXISTING 10-FOOT CONTOUR
— 740 —	EXISTING 2-FOOT CONTOUR
— OE — OE —	EXISTING OVERHEAD ELECTRIC
— UE — UE —	EXISTING UNDERGROUND ELECTRIC
— T — T —	EXISTING TELEPHONE LINE
— FO — FO —	EXISTING FIBER OPTIC
— SS — SS —	EXISTING STORM
— SS — SS —	EXISTING CULVERT
— X — X —	EXISTING CHAIN LINK FENCE
—	EXISTING TREE LINE
—	APPROXIMATE LIMITS OF WASTE REMOVAL
—	APPROXIMATE LIMITS OF WASTE TO REMAIN
—	EXISTING BUILDING
—	WETLANDS
—	EXISTING BITUMINOUS PAVEMENT
—	EXISTING GRAVEL PAVEMENT
△ 101	CONTROL POINT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊖	EXISTING SIGN
⊕	EXISTING GATE
—	PROPOSED BITUMINOUS PAVEMENT
—	PROPOSED GRAVEL PAVEMENT
— SS — SS —	PROPOSED STORM SEWER
—	PROPOSED CULVERT
⊕	PROPOSED STORM SEWER MANHOLE
—	CONSTRUCTION ENTRANCE
—	EROSION CONTROL BLANKET
—	SEDIMENT CONTROL LOG
— SF —	MACHINE SLICED SILT FENCE

- NOTES**
- TEMPORARY EROSION CONTROL FEATURES (INCLUDING SILT FENCE, CONSTRUCTION ENTRANCE, INLET PROTECTION, AND SEDIMENT CONTROL LOG) SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR ADDITIONAL INFORMATION.
  - INSTALL ALL BMP'S IN LOCATIONS AS NOTED AND AS REQUIRED FOR SWPPP IMPLEMENTATION.
  - CONSTRUCT TEMPORARY STORMWATER POND(S) AND OUTLET(S) PRIOR TO ANY EARTHWORK ACTIVITIES. ALL DISTURBED AREAS THAT ARE NON-CONTACT SHALL BE GRADED TO DRAIN TO THE STORMWATER POND(S).
  - INSTALL (OR REINSTALL) SILT FENCE IMMEDIATELY FOLLOWING TREE AND ROOT REMOVAL AND PRIOR TO ANY EARTHWORK ACTIVITIES IN AREA OF TREES. SEE SHEET C-30 FOR TREE AND ROOT REMOVAL INFORMATION.
  - ALL CONSTRUCTION ACTIVITY MUST BE KEPT WITHIN CONSTRUCTION LIMITS. UNLESS PRE-APPROVED BY OWNER, DO NOT BLOCK ACCESS TO SITE WITHOUT COORDINATING WITH OWNER.
  - INSTALL SEDIMENT CONTROL LOG AROUND PERIMETER OF ALL STOCKPILED MATERIAL, SEE DETAIL 2 ON SHEET C-25.
  - INSTALL TEMPORARY CONCRETE WASHOUT MANAGEMENT AREA PRIOR TO CONCRETE CONSTRUCTION ACTIVITIES.
  - INSTALL EROSION CONTROL BLANKET ON ALL DISTURBED SLOPES THAT ARE 4H:1V OR STEEPER. EROSION CONTROL BLANKET LIMITS ARE ONLY SHOWN ON FINISHED SLOPES. ADDITIONAL EROSION CONTROL BLANKET MAY BE REQUIRED.
  - INSTALL EROSION AND SEDIMENT CONTROL FEATURES PER SPECIFICATION 31 25 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.

**1 PLAN: EROSION AND SEDIMENT CONTROL**

0 200 400  
SCALE IN FEET

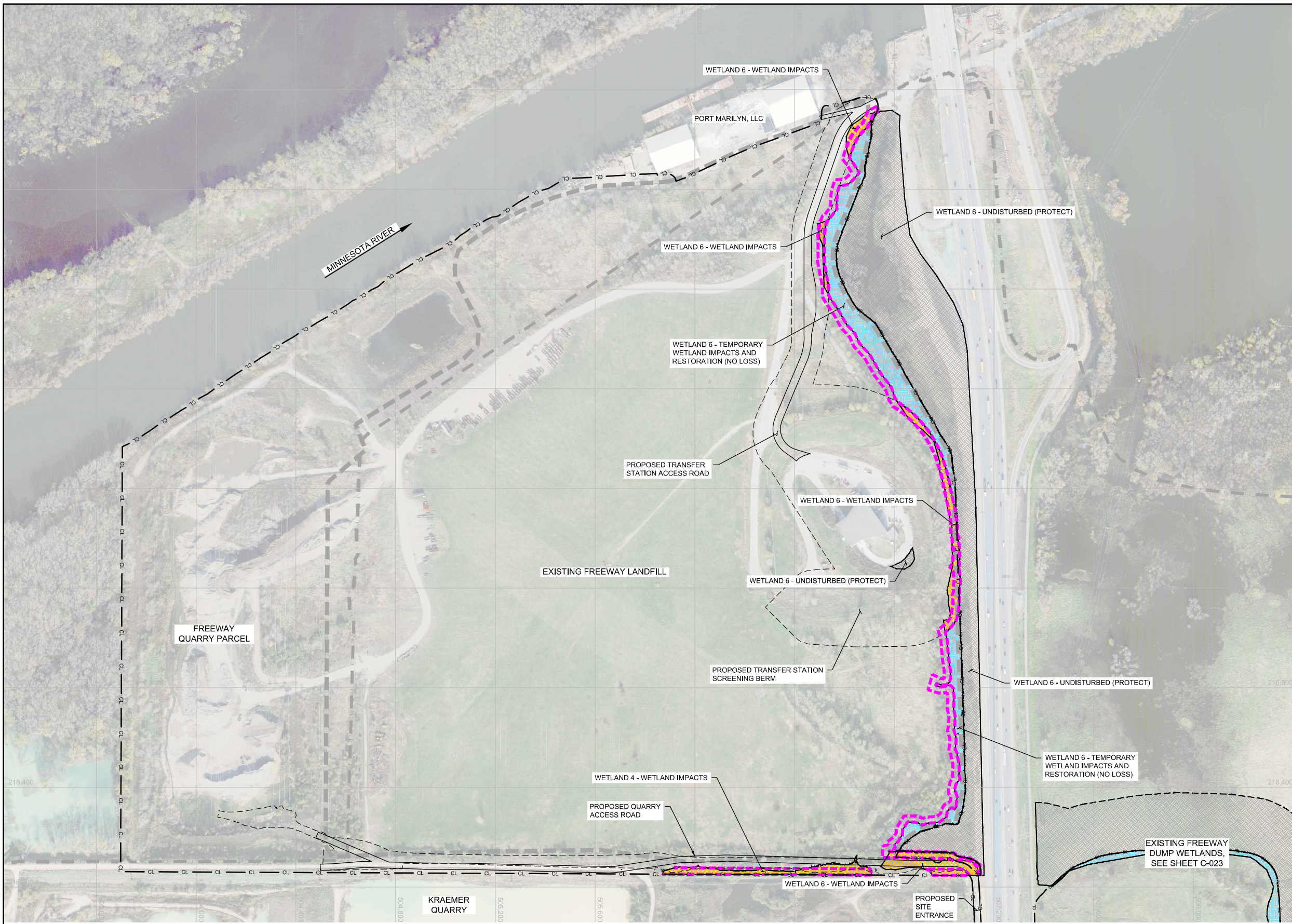
- SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
- TEMPORARY SEED AND MULCH PER DETAIL 5 OF SHEET C-25.

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR A B C 0 1 2 3	DATE RELEASED	DWG. No. C-20	REV. No. B





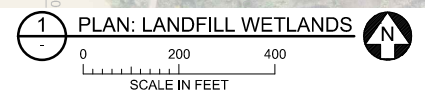
**LEGEND**

- CL — CL — CONSTRUCTION LIMITS
- - - - - EXISTING FLOODWAY BOUNDARY
- - - - - TOE OF PROPOSED SLOPE
- (dashed magenta) — 25-FOOT WETLAND BUFFER EXTENT
- - - - - APPROXIMATE LIMITS OF WASTE REMOVAL
- ▭ (white) PROPOSED ROAD
- ▭ (hatched) WETLAND, UNDISTURBED (PROTECT)
- ▭ (yellow) WETLAND IMPACTS
- ▭ (blue) TEMPORARY WETLAND IMPACTS AND RESTORATION (NO LOSS)

- NOTES**
- ALL CONSTRUCTION ACTIVITY MUST BE KEPT WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE DIRECTED BY OWNER.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE, UNLESS NOTED OTHERWISE.
  - RESTORE WETLANDS AND 25-FOOT WETLAND BUFFER PER SPECIFICATION 32 92 00. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  - THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-002. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.

TOTAL WETLAND AREAS (LANDFILL)	
WETLAND TYPE	AREA (AC)
WETLAND (TOTAL DELINEATED)	16.1
▭ (yellow) WETLAND IMPACTS	2.0
▭ (blue) TEMPORARY WETLAND IMPACTS AND RESTORATION (NO LOSS)	3.2

- TABLE NOTES**
- TABLE ONLY REFLECTS DELINEATED WETLANDS AT LANDFILL. FOR WETLANDS DELINEATED AT DUMP, SEE SHEET C-023.



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06/30/2022

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DATE	LICENSE #			

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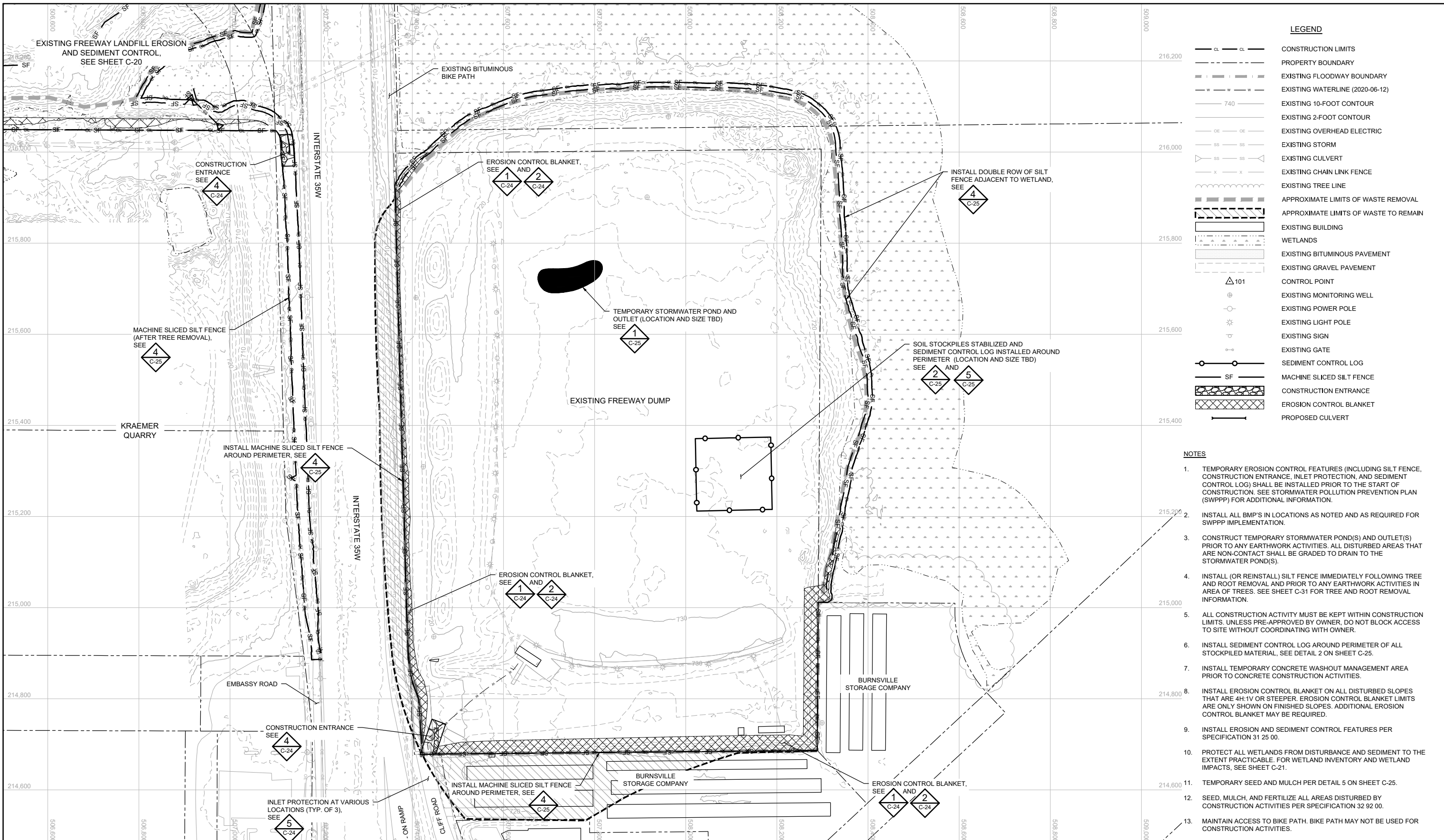
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Designed	BARR
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FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL	
BURNSVILLE, MINNESOTA	
LANDFILL WETLANDS PLAN	

BARR PROJECT No.	
23/19-1372.00	
CLIENT PROJECT No.	
DWG. No.	REV. No.
C-21	B





**LEGEND**

— CL — CL —	CONSTRUCTION LIMITS
- - - - -	PROPERTY BOUNDARY
- - - - -	EXISTING FLOODWAY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
— 740 —	EXISTING 10-FOOT CONTOUR
— 2 — 2 —	EXISTING 2-FOOT CONTOUR
— OE — OE —	EXISTING OVERHEAD ELECTRIC
— SS — SS —	EXISTING STORM
— SS — SS —	EXISTING CULVERT
— X — X —	EXISTING CHAIN LINK FENCE
— T — T —	EXISTING TREE LINE
- - - - -	APPROXIMATE LIMITS OF WASTE REMOVAL
- - - - -	APPROXIMATE LIMITS OF WASTE TO REMAIN
— B — B —	EXISTING BUILDING
- - - - -	WETLANDS
- - - - -	EXISTING BITUMINOUS PAVEMENT
- - - - -	EXISTING GRAVEL PAVEMENT
△ 101	CONTROL POINT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊙	EXISTING SIGN
⊙	EXISTING GATE
⊙	SEDIMENT CONTROL LOG
SF	MACHINE SLICED SILT FENCE
— SF —	CONSTRUCTION ENTRANCE
— X — X —	EROSION CONTROL BLANKET
— C — C —	PROPOSED CULVERT

- NOTES**
- TEMPORARY EROSION CONTROL FEATURES (INCLUDING SILT FENCE, CONSTRUCTION ENTRANCE, INLET PROTECTION, AND SEDIMENT CONTROL LOG) SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR ADDITIONAL INFORMATION.
  - INSTALL ALL BMP'S IN LOCATIONS AS NOTED AND AS REQUIRED FOR SWPPP IMPLEMENTATION.
  - CONSTRUCT TEMPORARY STORMWATER POND(S) AND OUTLET(S) PRIOR TO ANY EARTHWORK ACTIVITIES. ALL DISTURBED AREAS THAT ARE NON-CONTACT SHALL BE GRADED TO DRAIN TO THE STORMWATER POND(S).
  - INSTALL (OR REINSTALL) SILT FENCE IMMEDIATELY FOLLOWING TREE AND ROOT REMOVAL AND PRIOR TO ANY EARTHWORK ACTIVITIES IN AREA OF TREES. SEE SHEET C-31 FOR TREE AND ROOT REMOVAL INFORMATION.
  - ALL CONSTRUCTION ACTIVITY MUST BE KEPT WITHIN CONSTRUCTION LIMITS. UNLESS PRE-APPROVED BY OWNER, DO NOT BLOCK ACCESS TO SITE WITHOUT COORDINATING WITH OWNER.
  - INSTALL SEDIMENT CONTROL LOG AROUND PERIMETER OF ALL STOCKPILED MATERIAL. SEE DETAIL 2 ON SHEET C-25.
  - INSTALL TEMPORARY CONCRETE WASHOUT MANAGEMENT AREA PRIOR TO CONCRETE CONSTRUCTION ACTIVITIES.
  - INSTALL EROSION CONTROL BLANKET ON ALL DISTURBED SLOPES THAT ARE 4H:1V OR STEEPER. EROSION CONTROL BLANKET LIMITS ARE ONLY SHOWN ON FINISHED SLOPES. ADDITIONAL EROSION CONTROL BLANKET MAY BE REQUIRED.
  - INSTALL EROSION AND SEDIMENT CONTROL FEATURES PER SPECIFICATION 31 25 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  - TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-25.
  - SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  - MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

**1 PLAN: DUMP EROSION AND SEDIMENT CONTROL**

SCALE IN FEET

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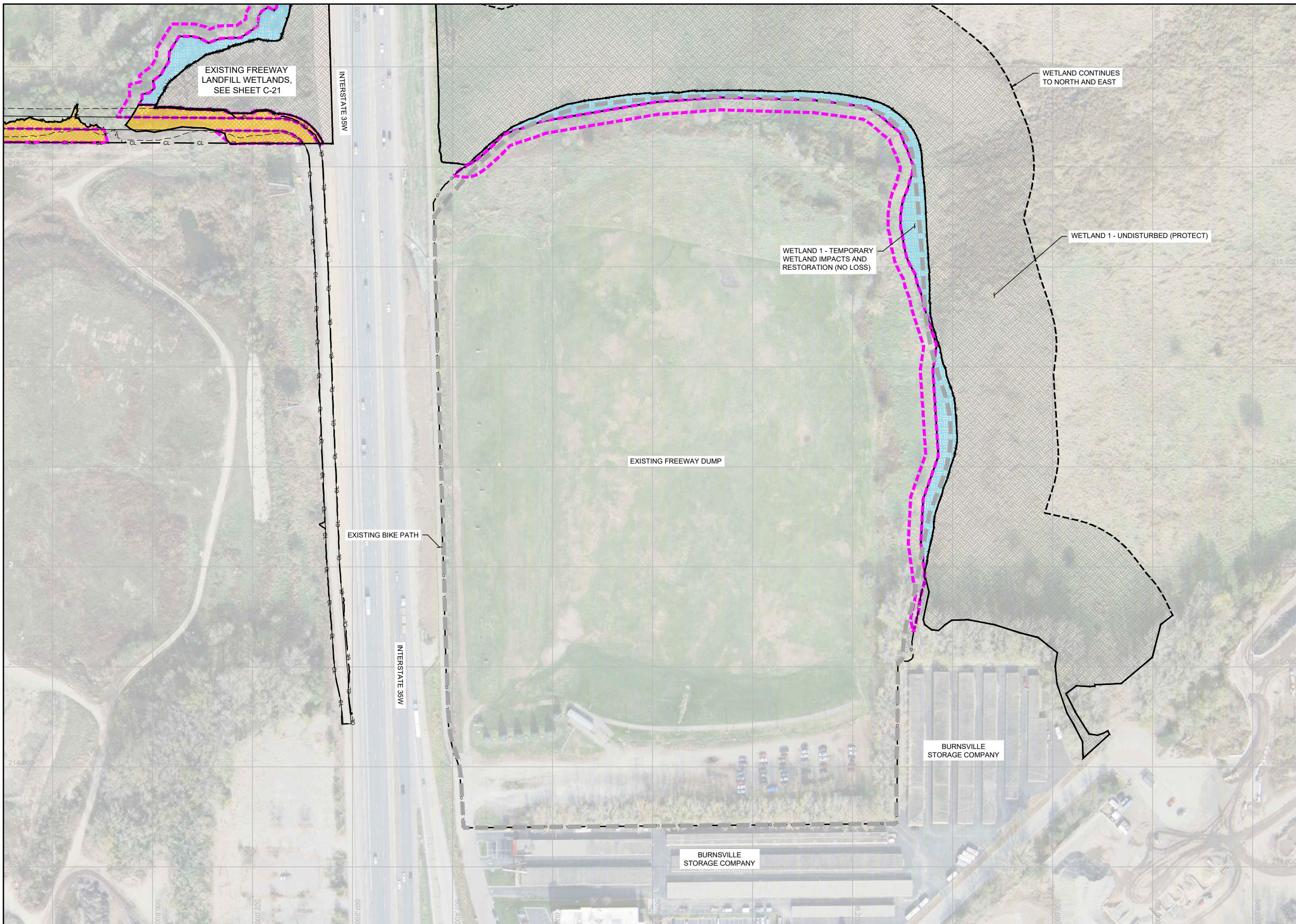


FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

DUMP EROSION CONTROL  
PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-22
REV. No.	B





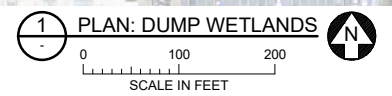
**LEGEND**

- CL CL CONSTRUCTION LIMITS
- EXISTING FLOODWAY BOUNDARY
- TOE OF PROPOSED SLOPE
- 25-FOOT WETLAND BUFFER EXTENT
- APPROXIMATE LIMITS OF WASTE REMOVAL
- PROPOSED ROAD
- WETLAND, UNDISTURBED (PROTECT)
- WETLAND IMPACTS
- TEMPORARY WETLAND IMPACTS AND RESTORATION (NO LOSS)

- NOTES**
- ALL CONSTRUCTION ACTIVITY MUST BE KEPT WITHIN CONSTRUCTION LIMITS, UNLESS OTHERWISE DIRECTED BY OWNER.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE, UNLESS NOTED OTHERWISE.
  - RESTORE WETLANDS AND 25-FOOT WETLAND BUFFER PER SPECIFICATION 32 92 00. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  - THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.

TOTAL WETLAND AREAS (DUMP)	
WETLAND TYPE	AREA (AC)
WETLAND (TOTAL DELINEATED)	13.6
WETLAND IMPACTS	NONE
TEMPORARY WETLAND IMPACTS AND RESTORATION (NO LOSS)	0.9

- TABLE NOTES**
- TABLE ONLY REFLECTS DELINEATED WETLANDS AT DUMP. FOR WETLANDS DELINEATED AT LANDFILL, SEE SHEET C-21.



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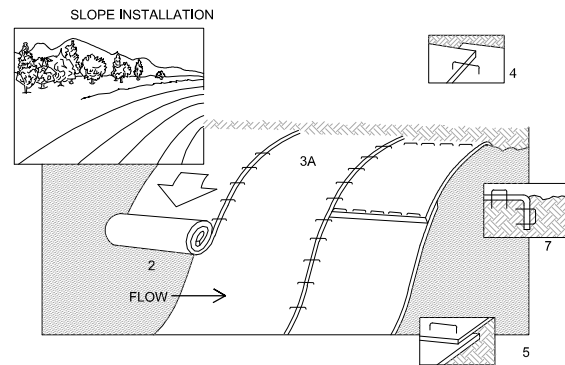
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FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA	
DUMP WETLANDS PLAN	

BARR PROJECT No. 23/19-1372.00	
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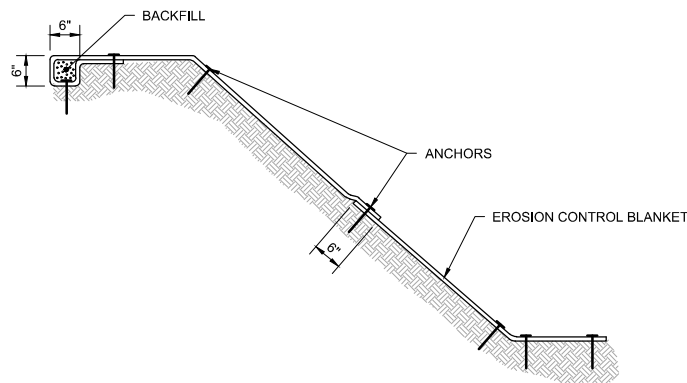




**NOTES:**

1. REFER TO MANUFACTURER RECOMMENDATIONS FOR STAPLE PATTERNS FOR SLOPE INSTALLATIONS.
2. PREPARE SOIL BY LOOSENING TOP 1-2 INCHES AND APPLY SEED (AND FERTILIZER WHERE REQUIRED) PRIOR TO INSTALLING BLANKETS. GROUND SHOULD BE SMOOTH AND FREE OF DEBRIS.
3. BEGIN (A) AT THE TOP OF THE SLOPE AND ROLL THE BLANKETS DOWN OR (B) AT ONE END OF THE SLOPE AND ROLL THE BLANKETS HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 6" OVERLAP, WITH THE UPHILL BLANKET ON TOP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. BLANKET MATERIALS SHALL BE AS SPECIFIED OR AS APPROVED BY ENGINEER.
7. ANCHOR EROSION CONTROL BLANKET AT THE TOP OF SLOPE.

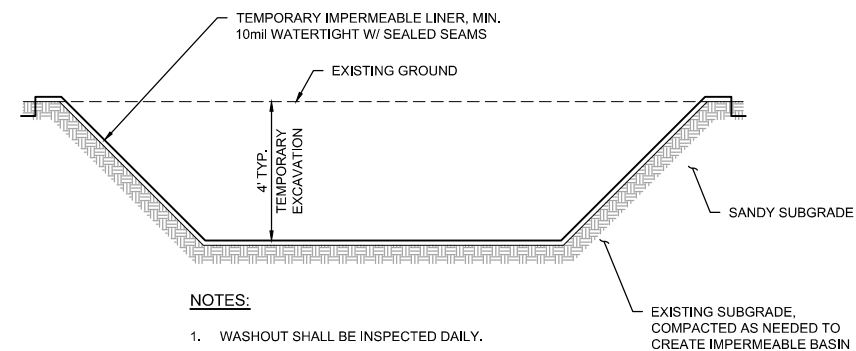
**1** **DETAIL: EROSION CONTROL BLANKET - INSTALLATION**  
C-20, C-22 NOT TO SCALE



**NOTES:**

1. REFER TO MANUFACTURER RECOMMENDATIONS FOR STAPLE PATTERNS FOR SLOPE INSTALLATIONS.
2. PREPARE SOIL BY LOOSENING TOP 1-2 INCHES AND APPLY SEED (AND FERTILIZER WHERE REQUIRED) PRIOR TO INSTALLING BLANKETS. GROUND SHOULD BE SMOOTH AND FREE OF DEBRIS.
3. BLANKET MATERIALS SHALL BE AS SPECIFIED OR AS APPROVED BY ENGINEER.

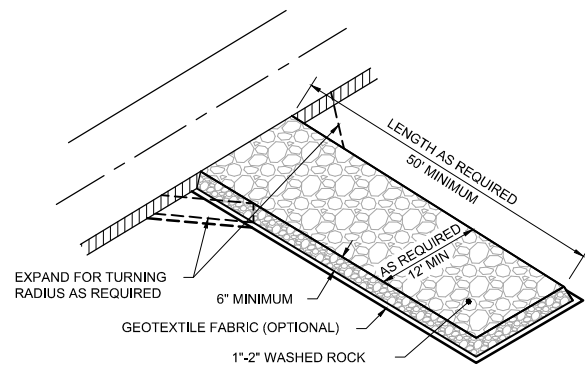
**2** **DETAIL: EROSION CONTROL BLANKET - ANCHOR TRENCH**  
C-20, C-22 NOT TO SCALE



**NOTES:**

1. WASHOUT SHALL BE INSPECTED DAILY.
2. WASHOUT USE SHALL FOLLOW ALL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) RECOMMENDATIONS.
3. PLAN DIMENSIONS: 10'x10'.
4. MANAGEMENT, DISCHARGE, AND DISPOSAL OF CONCRETE WASHOUT SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE WORK.
5. PREVENT CONCRETE WASHOUT FROM FLOWING INTO GROUNDWATER OR SANDY SUBSOILS.
6. CONTRACTOR MAY SUBMIT ALTERNATE "OR EQUAL" TO ENGINEER FOR APPROVAL. CONCRETE WASHOUT AT THE BATCH PLANT IS AN ACCEPTABLE ALTERNATE.

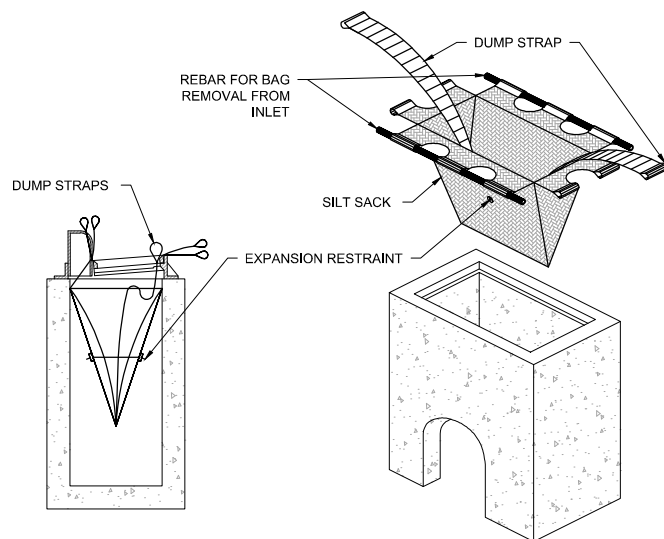
**3** **DETAIL: CONCRETE WASHOUT MANAGEMENT AREA**  
C-20 NOT TO SCALE



**NOTES:**

1. MAINTAIN ENTRANCE THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACE AS REQUIRED TO PREVENT TRACKING OFFSITE.
2. REMOVE ENTRANCE IN CONJUNCTION WITH FINAL GRADING AND SITE STABILIZATION.

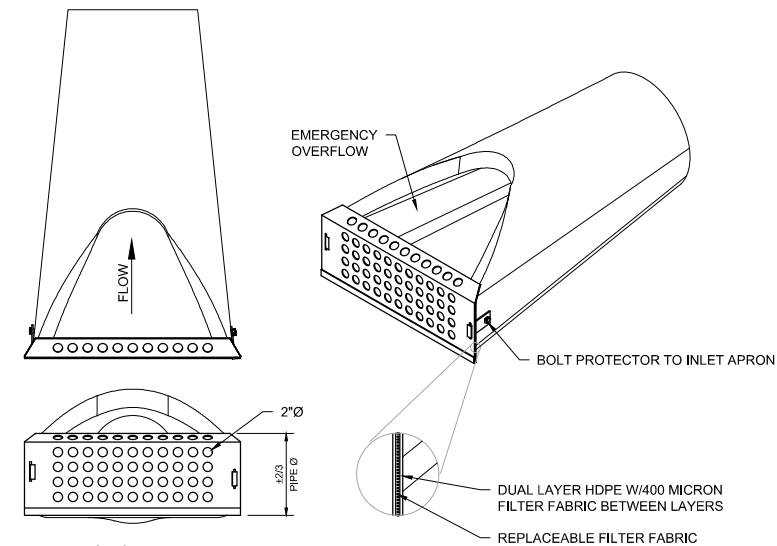
**4** **DETAIL: CONSTRUCTION ENTRANCE - ROCK**  
C-20, C-22 NOT TO SCALE



**NOTES:**

1. INSTALL INLET PROTECTION PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED OR IMMEDIATELY FOLLOWING ANY CATCHBASIN INSTALLATION AND MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD.
2. MATERIALS SHALL BE SUFFICIENT TO ALLOW FLOW WHILE BLOCKING SEDIMENT. NO HOLES OR GAPS SHALL BE PRESENT IN/AROUND FILTER SACK.
3. CLEAN FILTER SACK AND REMOVE ACCUMULATED SEDIMENT AS REQUIRED TO ALLOW FLOW INTO THE CATCHBASIN AND PREVENT SEDIMENT FROM LEAVING THE DEVICE.
4. REMOVE DEVICE AND ANY ACCUMULATED SEDIMENT IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.

**5** **DETAIL: INLET PROTECTION - FILTER SACK**  
C-20, C-22 NOT TO SCALE



**NOTES:**

1. FILTER FABRIC MAY BE REPLACED BY REMOVING BOLTS/RIVETS CONNECTING HDPE LAYERS AND BOLTING/RIVETING BACK TOGETHER.
2. INLET PROTECTION SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIRED OR REPLACED AS REQUIRED.
3. INLET PROTECTION SHALL BE REMOVED IN CONJUNCTION WITH SITE STABILIZATION.
4. PRODUCT AND MATERIALS SHALL CONFORM TO MN/DOT SPECIFICATION 3891.
5. ALTERNATIVE CULVERT INLET PROTECTION MAY CONSIST OF DUAL BIOLOGS OR OTHER COMPANY APPROVED METHODS.

**6** **DETAIL: CULVERT INLET PROTECTION**  
C-20 NOT TO SCALE

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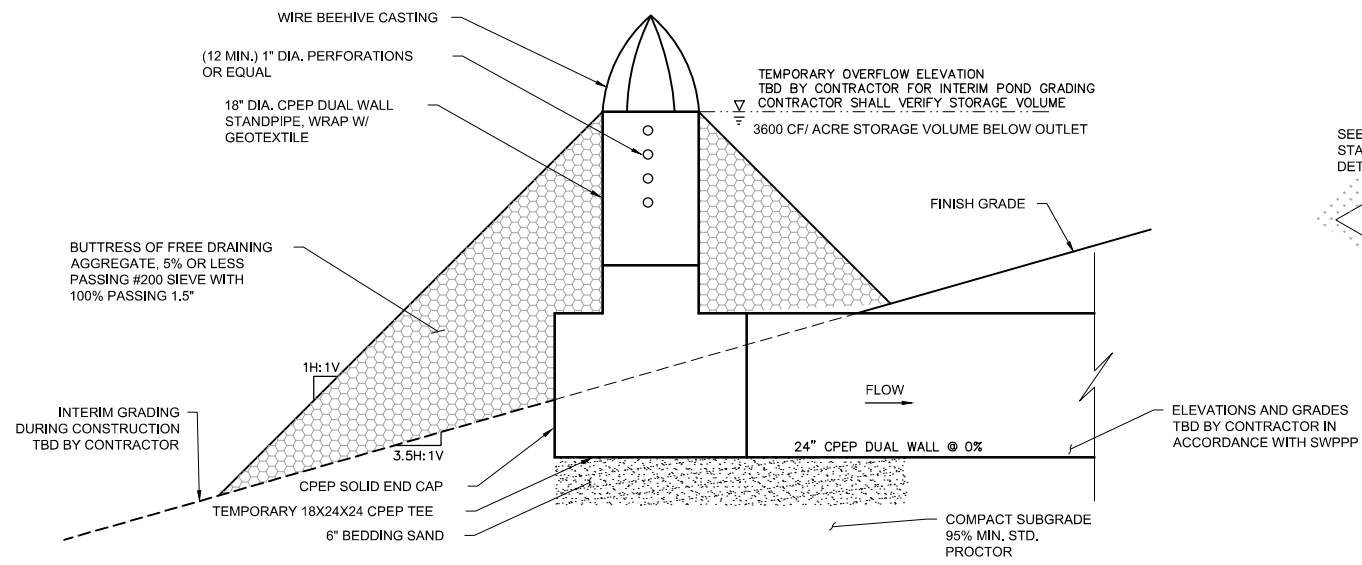
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Designed	BARR
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**MINNESOTA POLLUTION CONTROL AGENCY**

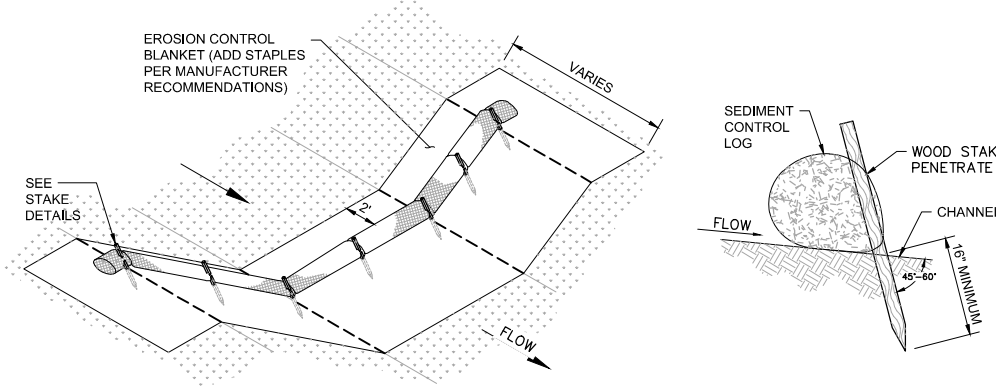
FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA		BARR PROJECT No. 23/19-1372.00
EROSION CONTROL DETAILS 1 OF 2		CLIENT PROJECT No.
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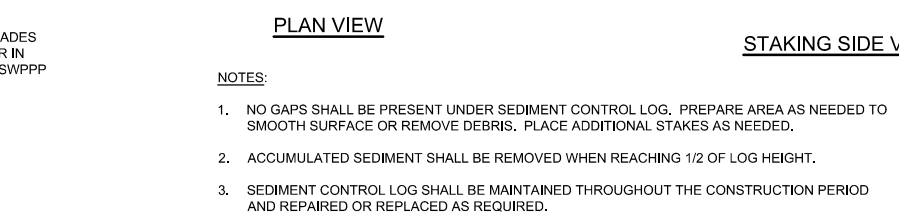




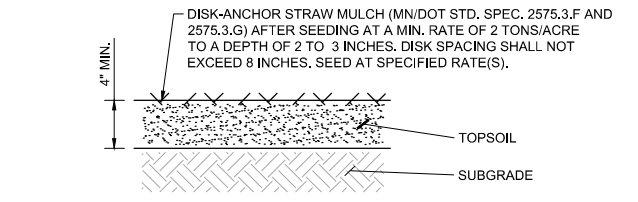
**1** DETAIL: TEMPORARY SEDIMENTATION BASIN AND TEMPORARY OUTLET  
C-20, C-22 NOT TO SCALE



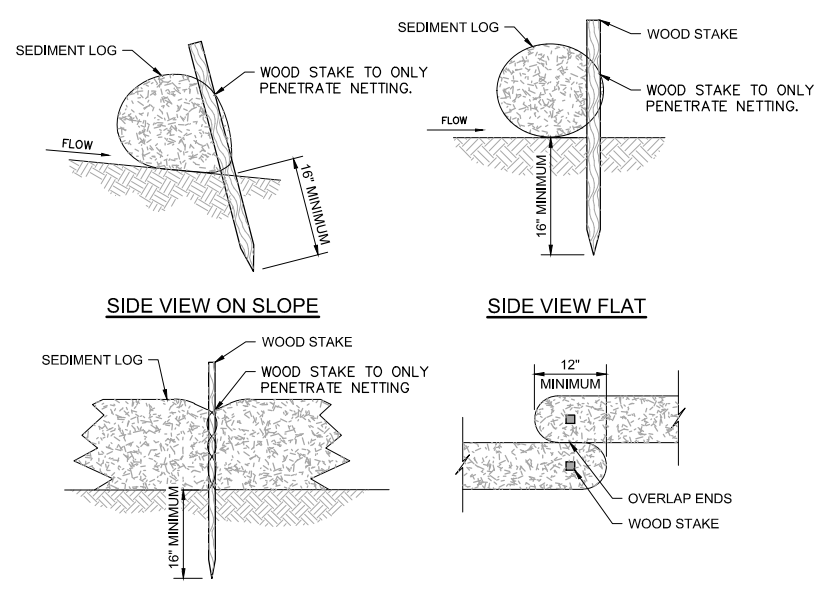
**2** DETAIL: SEDIMENT CONTROL LOG - STAKING  
C-20, C-22 NOT TO SCALE



**3** DETAIL: SEDIMENT CONTROL LOG - DITCH CHECK WITH BLANKET  
C-20 NOT TO SCALE

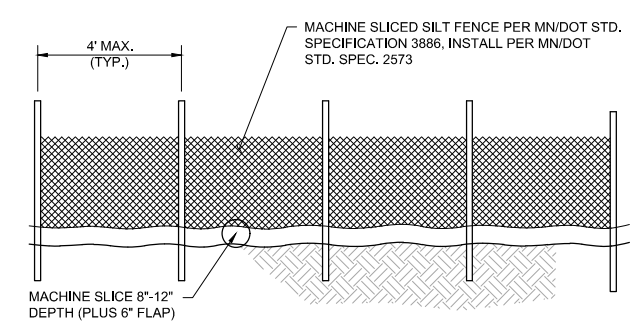


**4** DETAIL: TEMPORARY SEED AND MULCH  
C-20, C-22 NOT TO SCALE

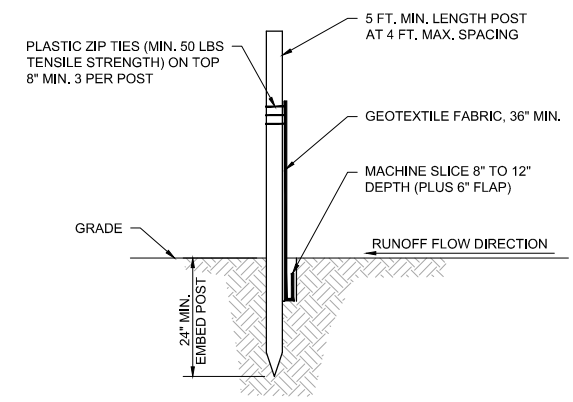


- NOTES:**
- INSTALL SEDIMENT CONTROL LOG ALONG CONTOURS (CONSTANT ELEVATION).
  - NO GAPS SHALL BE PRESENT UNDER SEDIMENT CONTROL LOG. PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS.
  - REMOVE ACCUMULATED SEDIMENT WHEN REACHING 1/3 OF LOG HEIGHT.
  - MAINTAIN SEDIMENT CONTROL LOG THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACED AS REQUIRED.

**5** DETAIL: SEDIMENT CONTROL LOG - STAKING  
C-20, C-22 NOT TO SCALE



**6** DETAIL: SILT FENCE - MACHINE SLICED  
C-20, C-22 NOT TO SCALE



- NOTES:**
- INSTALL SILT FENCE PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED AND MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE SILT FENCE AND ANY ACCUMULATED SEDIMENT IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
  - SILT FENCE MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF MN/DOT SPECIFICATIONS 2573 AND 3886.
  - NO HOLES OR GAPS SHALL BE PRESENT IN/UNDER SILT FENCE. PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS.
  - REMOVE ACCUMULATED SEDIMENT WHEN BUILD UP REACHES 1/3 OF FENCE HEIGHT. OR INSTALL A SECOND SILT FENCE DOWNSTREAM OF THE ORIGINAL FENCE AT A SUITABLE DISTANCE.
  - WHEN SPLICES ARE NECESSARY MAKE SPLICE AT POST ACCORDING TO SPLICE DETAIL. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER AT LEAST 180 DEGREES TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL. CUT THE FABRIC NEAR THE BOTTOM OF THE POSTS TO ACCOMMODATE THE 6 INCH FLAP, THEN DRIVE BOTH POSTS AND BURY THE FLAP AND COMPACT BACKFILL.

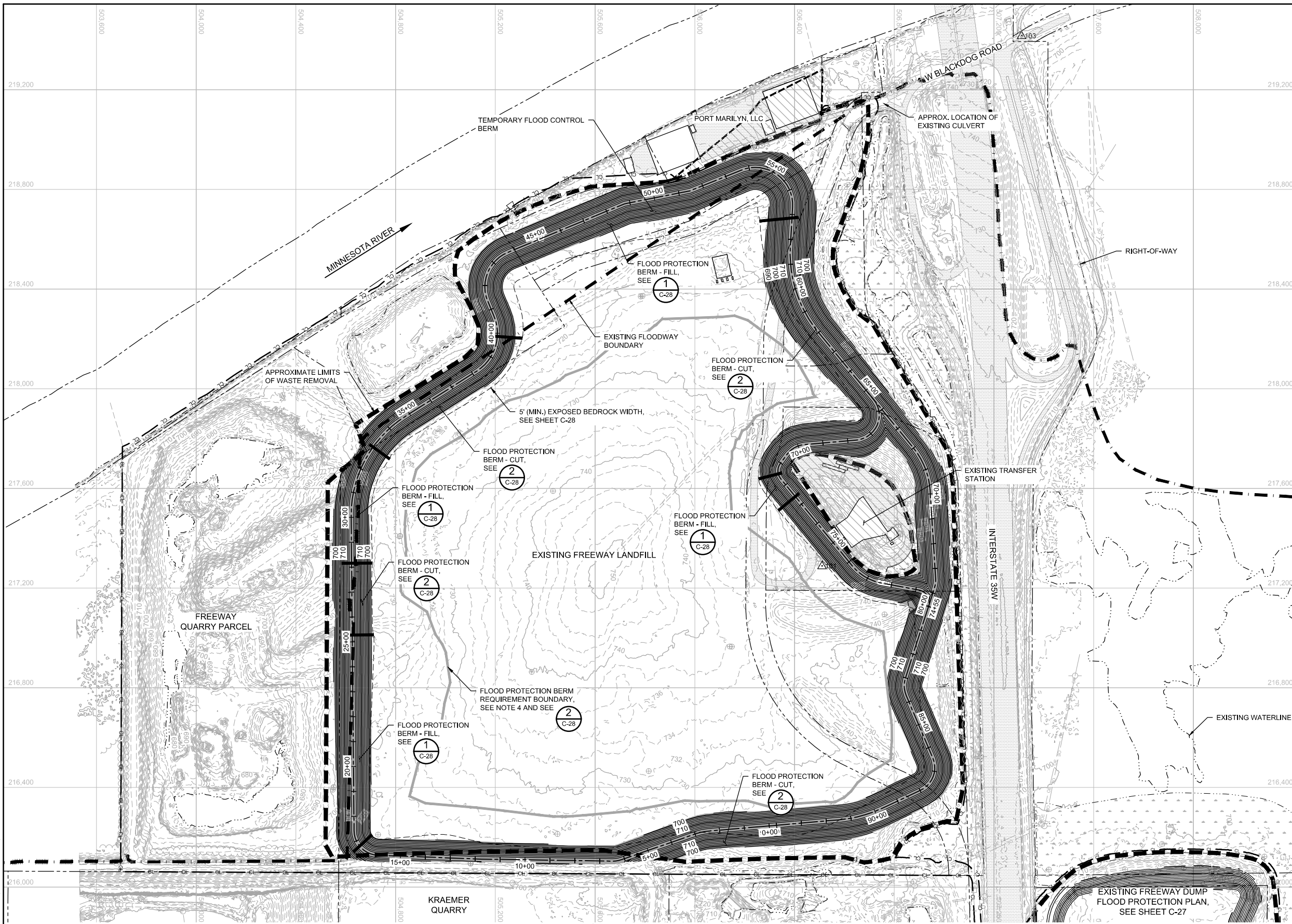
**7** DETAIL: SILT FENCE - MACHINE SLICED  
C-20, C-22 NOT TO SCALE

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PRINTED NAME	SIGNATURE	RELEASED TO/FOR	A	B	C	0	1		2	3		Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	Client PROJECT No.
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION				EROSION CONTROL DETAILS 2 OF 2				





**LEGEND**

— CL — CL —	CONSTRUCTION LIMITS
---	PROPERTY BOUNDARY
- - - - -	EXISTING FLOODWAY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
740	EXISTING 10-FOOT CONTOUR
---	EXISTING 2-FOOT CONTOUR
OE — OE —	EXISTING OVERHEAD ELECTRIC
UE — UE —	EXISTING UNDERGROUND ELECTRIC
W — W —	EXISTING POTABLE
SS — SS —	EXISTING STORM
SS — SS —	EXISTING CULVERT
SAN — SAN —	EXISTING SANITARY
X — X —	EXISTING CHAIN LINK FENCE
---	EXISTING TREE LINE
- - - - -	APPROXIMATE LIMITS OF WASTE REMOVAL
- - - - -	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	EXISTING BUILDING
---	WETLANDS
---	EXISTING BITUMINOUS PAVEMENT
---	EXISTING GRAVEL PAVEMENT
△ 101	CONTROL POINT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊠	EXISTING ELECTRIC PEDESTAL
⊙	EXISTING WATER MANHOLE
⊙	EXISTING STORM SEWER MANHOLE
⊙	EXISTING SANITARY SEWER MANHOLE
⊠	EXISTING COMMUNICATIONS BOX
⊙	EXISTING GATE
---	PROPOSED 10-FOOT CONTOUR
---	PROPOSED 2-FOOT CONTOUR
---	FLOOD PROTECTION BERM REQUIREMENT BOUNDARY
---	FLOOD PROTECTION BERM CUT/FILL MATCHLINE

- NOTES:**
1. THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND BEEN ESTIMATED BASED ON INVESTIGATIONS. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  2. FLOOD PROTECTION BERM MAY NOT BE EXPANDED INTO FLOODWAY MORE THAN SHOWN.
  3. EXCAVATION OUTSIDE FLOOD PROTECTION BERM REQUIREMENT BOUNDARY REQUIRES CONSTRUCTION OF FLOOD PROTECTION BERM.
  4. IF EXCAVATING OUTSIDE OF FLOOD PROTECTION BOUNDARY, MONITOR MINNESOTA RIVER PREDICTIONS AND IMPLEMENT CONTINGENCY ACTIONS DETAILED IN WASTE EXCAVATION AND RELOCATION PLAN (CONTRACTOR SUBMITTAL) IF RIVER IS FORECASTED TO RISE TO WITHIN TWO VERTICAL FEET OF ACTIVE EXCAVATION FACE.
  5. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-20 FOR EROSION CONTROL PLAN.
  6. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  7. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  8. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  9. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  10. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  11. TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-25.

1 PLAN: FLOOD PROTECTION

SCALE IN FEET

0 200 400

100% DRAFT  
NOT FOR CONSTRUCTION  
06/30/2022

CADD USER: Andrea W. Tolkmier FILE: M:\DESIGN\2019\1372\06\2019\137205_HAUL_C-26.DWG PLOT SCALE: 1:2 PLOT DATE: 06/30/2022 1:18 PM  
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DATE: _____ LICENSE # _____

CLIENT	03/12/21	06/30/22							
BID									
CONSTRUCTION									
RELEASED TO/FOR	A	B	C	0	1	2	3		
DATE RELEASED									

**BARR** ENGINEERING CO.  
4300 MARKETPOINTE DRIVE  
SUITE 200  
MINNEAPOLIS, MN 55435

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BARR ENGINEERING CO.  
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Corporate Headquarters:  
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Scale	AS SHOWN
Date	11/19/2019
Drawn	ADB2
Checked	BDP
Designed	BARR
Approved	

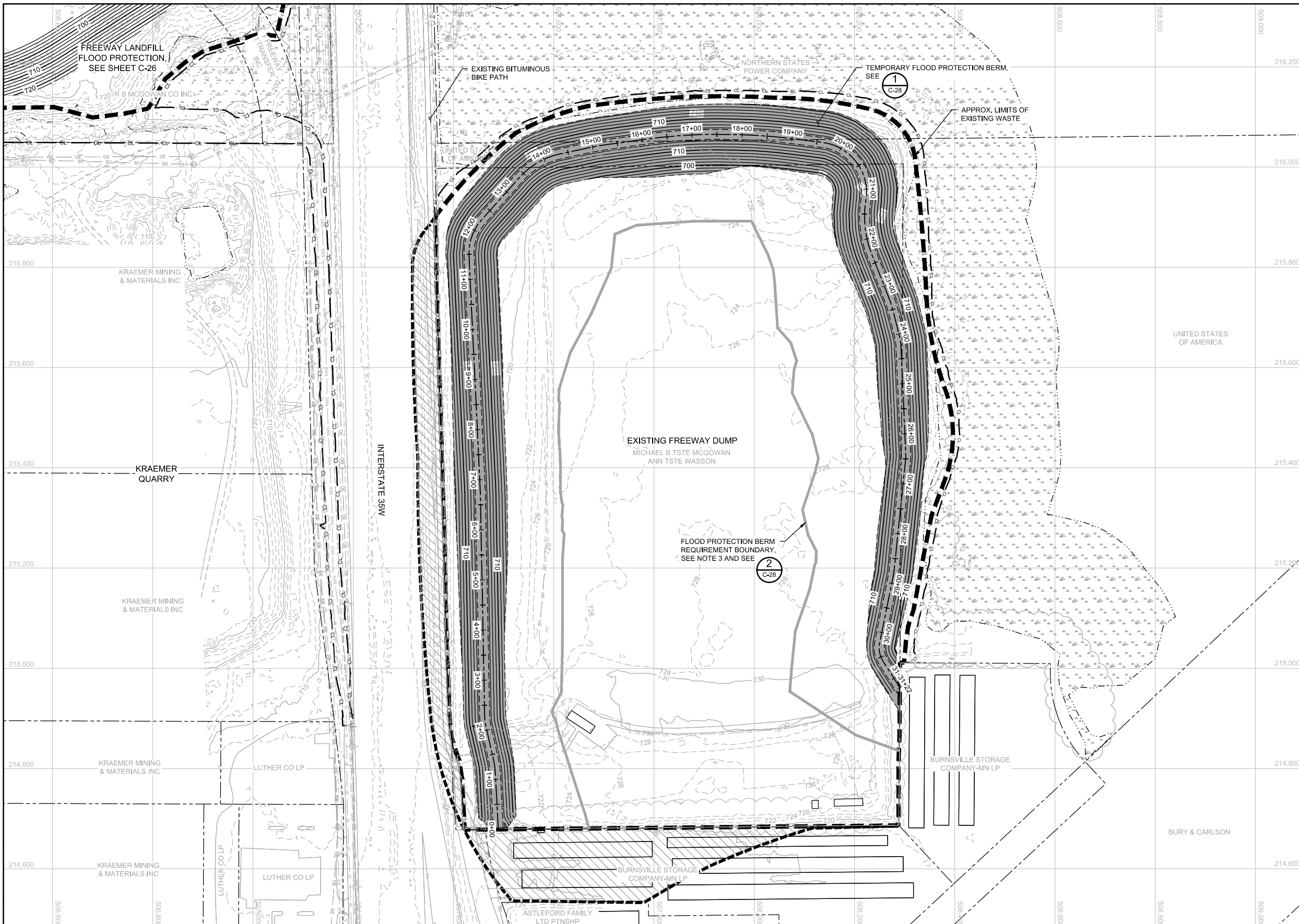


FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

LANDFILL FLOOD PROTECTION PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-26
REV. No.	B





**LEGEND**

CL	CL	CONSTRUCTION LIMITS
---	---	PROPERTY BOUNDARY
---	---	EXISTING WATERLINE (2020-06-12)
---	---	EXISTING 10-FOOT CONTOUR
---	---	EXISTING 2-FOOT CONTOUR
OE	OE	EXISTING OVERHEAD ELECTRIC
UE	UE	EXISTING UNDERGROUND ELECTRIC
T	T	EXISTING TELEPHONE LINE
FO	FO	EXISTING FIBER OPTIC
W	W	EXISTING POTABLE
SS	SS	EXISTING STORM
SS	SS	EXISTING CULVERT
SAN	SAN	EXISTING SANITARY
X	X	EXISTING CHAIN LINK FENCE
~	~	EXISTING TREE LINE
---	---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	---	EXISTING BUILDING
---	---	WETLANDS
---	---	EXISTING BITUMINOUS PAVEMENT
---	---	EXISTING GRAVEL ROAD PAVEMENT
+	+	EXISTING MONITORING WELL
○	○	EXISTING POWER POLE
⊙	⊙	EXISTING LIGHT POLE
⊗	⊗	EXISTING WATER MANHOLE
⊗	⊗	EXISTING GATE VALVE
⊗	⊗	EXISTING SANITARY SEWER MANHOLE
⊗	⊗	EXISTING COMMUNICATIONS BOX
○	○	EXISTING POLE
⊗	⊗	EXISTING GATE
---	---	PROPOSED 10-FOOT CONTOUR
---	---	PROPOSED 2-FOOT CONTOUR
---	---	FLOOD PROTECTION BERM REQUIREMENT BOUNDARY
---	---	TEMPORARY FLOOD PROTECTION BERM

- NOTES:**
1. THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND BEEN ESTIMATED BASED ON INVESTIGATIONS. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  2. EXCAVATION OUTSIDE FLOOD PROTECTION BERM REQUIREMENT BOUNDARY REQUIRES CONSTRUCTION OF FLOOD PROTECTION BERM.
  3. IF EXCAVATING OUTSIDE OF FLOOD PROTECTION BOUNDARY, MONITOR MINNESOTA RIVER PREDICTIONS AND IMPLEMENT CONTINGENCY ACTIONS DETAILED IN WASTE EXCAVATION AND RELOCATION PLAN (CONTRACTOR SUBMITTAL) IF RIVER IS FORECASTED TO RISE TO WITHIN TWO VERTICAL FEET OF ACTIVE EXCAVATION FACE.
  4. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-22 FOR EROSION CONTROL PLAN.
  5. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  6. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  7. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATION 31 23 00.
  8. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  9. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  10. TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-25.

**1 PLAN: DUMP FLOOD PROTECTION**

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NOT FOR CONSTRUCTION  
06/30/2022

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

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 PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE #: _____

CLIENT	06/30/2021	06/30/22					
BID							
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

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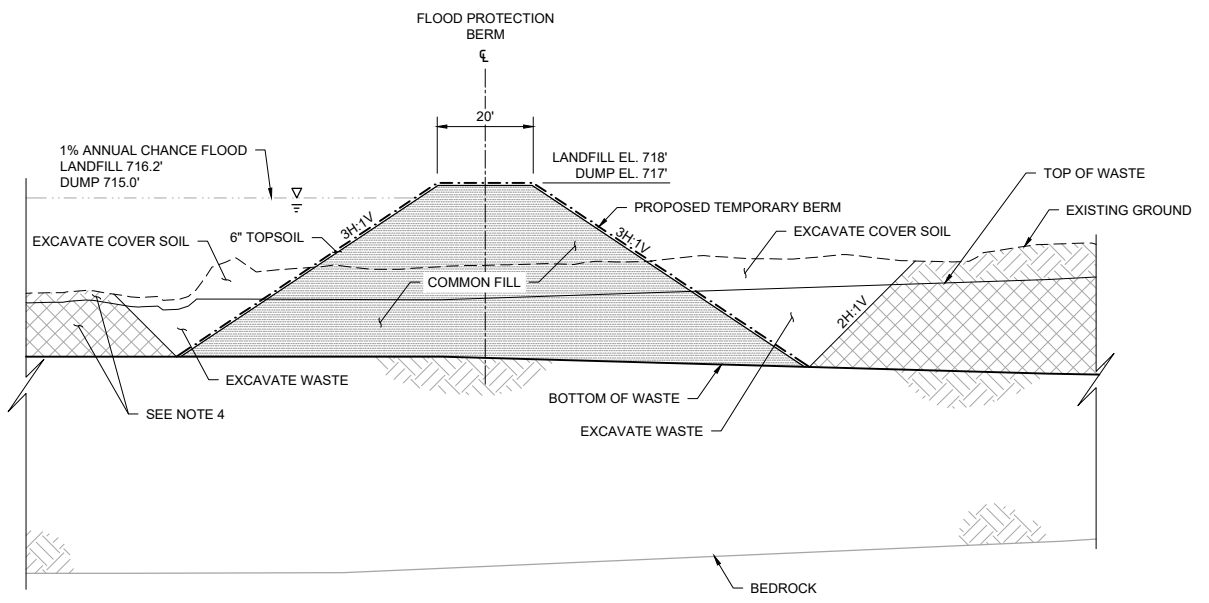
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Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	-

**MINNESOTA POLLUTION CONTROL AGENCY**

FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 DUMP FLOOD PROTECTION PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-27
REV. No.	B

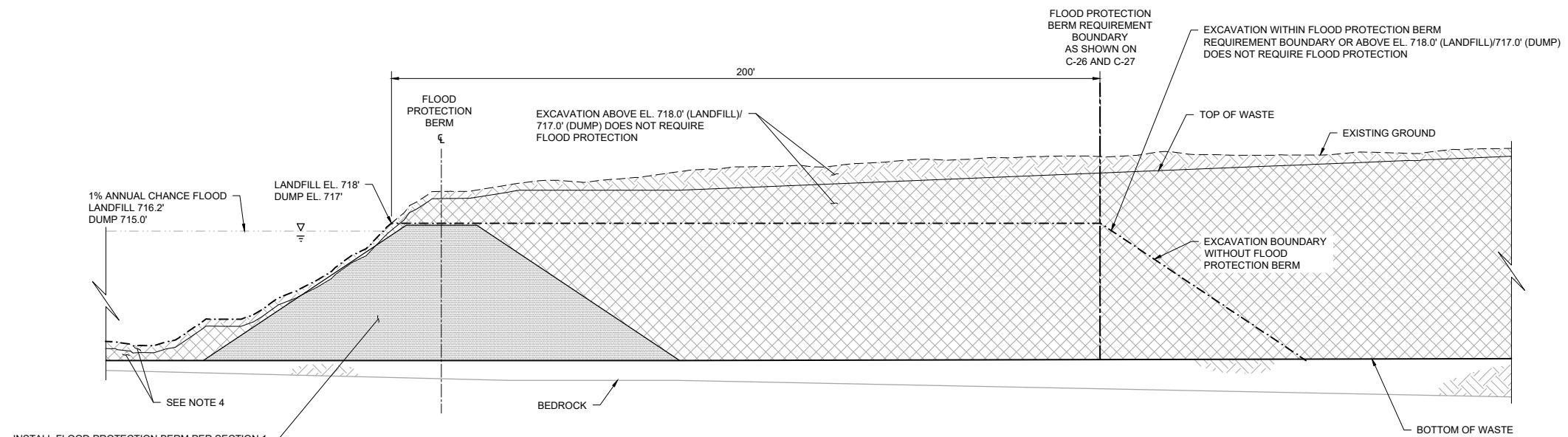




1 SECTION: TEMPORARY FLOOD PROTECTION BERM (TYP.)  
C-26, C-27 NOT TO SCALE

**LEGEND**

---	EXISTING GROUND
---	EXISTING BEDROCK
---	FLOOD ELEVATION
---	PROPOSED TEMPORARY BERM OR EXCAVATION BOUNDARY WITHOUT FLOOD PROTECTION BERM
---	PROPOSED EXCAVATION SURFACE
[Hatched]	PROPOSED COVER SOIL EXCAVATION
[Hatched]	PROPOSED WASTE EXCAVATION
[Hatched]	PROPOSED COMMON FILL
[Hatched]	EXISTING SOIL TO REMAIN



2 SECTION: FLOOD PROTECTION BERM REQUIREMENT BOUNDARY (TYP.)  
C-26, C-27 NOT TO SCALE

- NOTES:**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 2 FOR CLARITY.
  2. FLOOD PROTECTION BERM MAY NOT BE EXPANDED INTO FLOODWAY MORE THAN SHOWN ON SHEETS C-26 AND C-27.
  3. EXCAVATION OUTSIDE FLOOD PROTECTION BERM REQUIREMENT BOUNDARY REQUIRES CONSTRUCTION OF FLOOD PROTECTION BERM, SEE SHEETS C-26 AND C-27. PROVIDE CONTINUOUS FLOOD PROTECTION BERM.
  4. IF EXCAVATING OUTSIDE OF FLOOD PROTECTION BOUNDARY, MONITOR MINNESOTA RIVER PREDICTIONS AND IMPLEMENT CONTINGENCY ACTIONS DETAILED IN WASTE EXCAVATION AND RELOCATION PLAN (CONTRACTOR SUBMITTAL) IF RIVER IS FORECASTED TO RISE TO WITHIN TWO VERTICAL FEET OF ACTIVE EXCAVATION FACE.
  5. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEETS C-20 AND C-22 FOR EROSION CONTROL PLAN.
  6. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  7. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  8. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATION 31 23 00.
  9. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEETS C-21 AND C-23.
  10. TEMPORARY SEED AND MULCH PER DETAIL 5 ON SHEET C-25.
  11. EXCAVATE WASTE AT SAFE SLOPES IN ACCORDANCE WITH OSHA.
  12. STABILIZE SLOPES PER SWPPP.

INSTALL FLOOD PROTECTION BERM PER SECTION 1 (SHOWN FOR REFERENCE) OR LANDFILL EMBANKMENT PRIOR TO EXCAVATING OUTSIDE FLOOD PROTECTION BERM REQUIREMENT BOUNDARY

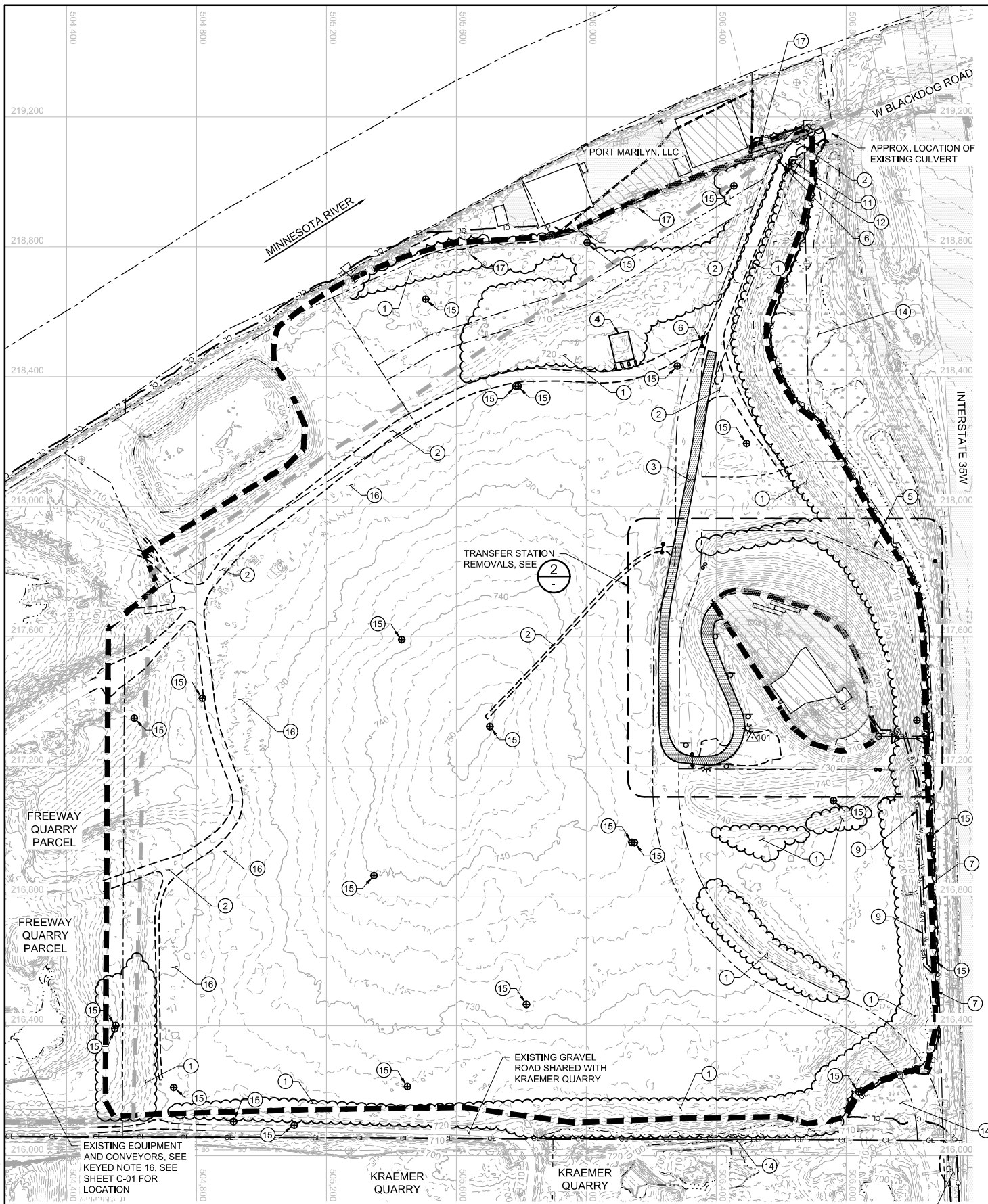
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06/30/2022

CADD USER: Jack A. Mettich FILE: M:\DESIGN\23191372\052319137205_HAUL_C-28.DWG PLOT SCALE: 1:2 PLOT DATE: 06/30/2022 11:23 AM

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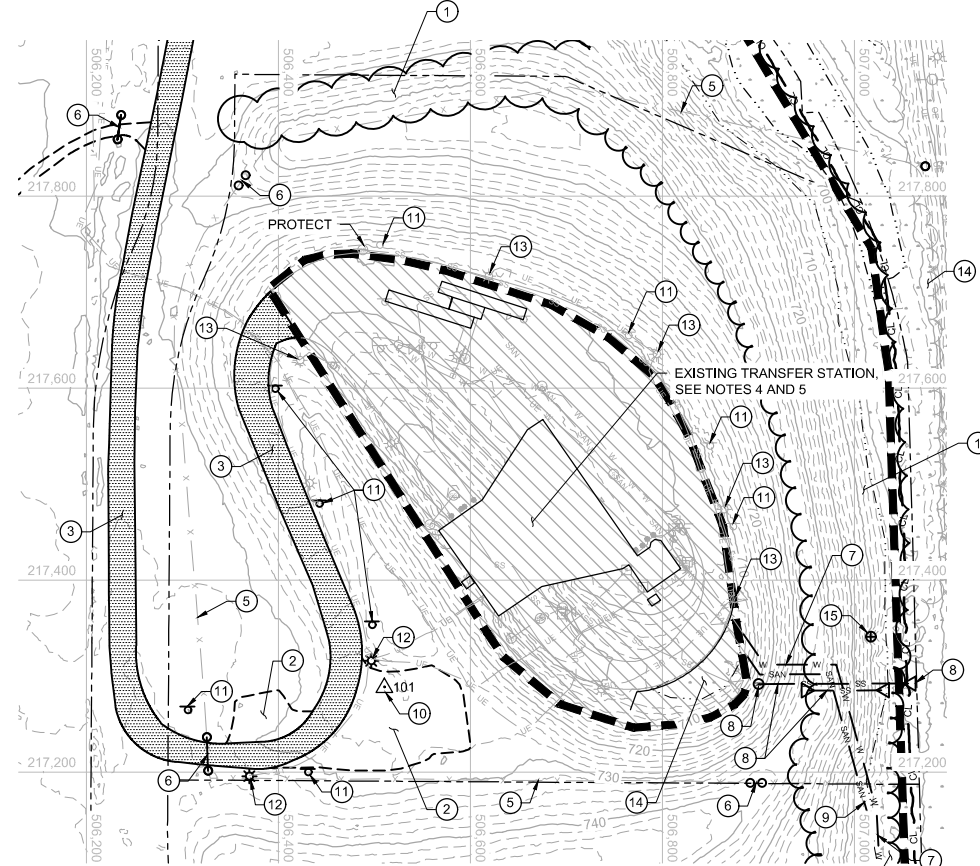


**1 PLAN: LANDFILL REMOVALS**  
 SCALE IN FEET  
 0 200 400

- KEYED NOTES:**
- 1 CLEAR AND GRUB TREES - SEE NOTE 7
  - 2 REMOVE GRAVEL SURFACING.
  - 3 REMOVE BITUMINOUS PAVEMENT - SEE NOTE 4.
  - 4 REMOVE CONCRETE FOUNDATION.
  - 5 REMOVE FENCING - SEE NOTE 8.
  - 6 REMOVE GATE - SEE NOTE 8.
  - 7 REMOVE POTABLE WATERLINE - SEE NOTE 5.
  - 8 REMOVE STORMWATER MANHOLE, CULVERTS, OUTLETS, AND APPURTENANCES, STORMWATER TO BE CONTROLLED BY THE CONTRACTOR DURING CONSTRUCTION AND REPLACED IN KIND IN THE EXISTING GENERAL LOCATION AND ELEVATIONS AFTER WASTE REMOVAL. EXTEND PIPING TO DAYLIGHT AS NECESSARY.
  - 9 REMOVE SANITARY SEWER - SEE NOTE 5.
  - 10 REMOVE CONTROL POINT - REESTABLISH CONTROL POINT PRIOR TO REMOVAL. COORDINATE LOCATION WITH OWNER.
  - 11 SALVAGE SIGN. REPLACE AFTER CONSTRUCTION.
  - 12 REMOVE LIGHT POLE.
  - 13 PROTECT LIGHT POLE - TO REMAIN.
  - 14 WETLANDS - SEE NOTE 6.
  - 15 SEAL MONITORING WELLS IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS - SEE NOTE 1.
  - 16 DUMPSTERS, EQUIPMENT, AND CONVEYORS - SITE OWNER TO REMOVE. SEE SHEET C-01 FOR APPROX. LOCATION.
  - 17 PROTECT POWER POLE (TYP.).

- NOTES**
1. PROTECT ALL STRUCTURES, UTILITIES, MONITORING WELLS, AND OTHER FEATURES UNLESS OTHERWISE NOTED OR AS DIRECTED BY OWNER. REMOVE AND DEMOLISH FEATURES AS NOTED PER SPECIFICATION 02 41 00.
  2. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-20 FOR EROSION CONTROL PLAN.
  3. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  4. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD, SAW-CUT PAVEMENT, FULL DEPTH, WHERE REMOVAL IS REQUIRED OR WHERE NEW PAVEMENT MEETS OLD PAVEMENT.
  5. MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. SEE SHEET C-70 FOR ADDITIONAL INFORMATION.
  6. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  7. REMOVE TREES AS LATE AS PRACTICABLE TO MAINTAIN VISUAL SCREENING. REMOVE TREES AND ROOTS AS NOTED. PROTECT TREES NOT INTENDED TO BE REMOVED. TREE AND ROOT CHIPPING AND REUSE ONSITE MAY BE ALLOWED, PENDING APPROVAL OF ENGINEER. CHIP AND DISPOSE OF TREES AND ROOTS PER SPECIFICATION 31 01 00. BURNING IS NOT ALLOWED ONSITE.
  8. MAINTAIN SECURITY AROUND TRANSFER STATION, PROVIDE TEMPORARY FENCING UNTIL FINAL FENCING IS INSTALLED. SEE SPECIFICATION 32 31 00 FOR ADDITIONAL DETAILS.

- LEGEND**
- CL — CL — CONSTRUCTION LIMITS
  - EXISTING PROPERTY BOUNDARY
  - - - - - EXISTING FLOODWAY BOUNDARY
  - - - - - EXISTING WATERLINE (2020-06-12)
  - 740 — EXISTING 10-FOOT CONTOUR
  - - - - - EXISTING 2-FOOT CONTOUR
  - OE — OE — EXISTING OVERHEAD ELECTRIC - REMAIN
  - UE — UE — EXISTING UNDERGROUND ELECTRIC - REMAIN
  - W — W — EXISTING POTABLE - REMAIN
  - SS — SS — EXISTING STORM - REMAIN
  - SS — SS — EXISTING CULVERT - REMAIN
  - SAN — SAN — EXISTING SANITARY - REMAIN
  - X — X — EXISTING CHAIN LINK FENCE - REMAIN
  - ~ ~ ~ EXISTING TREE LINE - REMAIN
  - APPROXIMATE LIMITS OF WASTE REMOVAL
  - APPROXIMATE LIMITS OF WASTE TO REMAIN
  - EXISTING BUILDING - REMAIN
  - WETLANDS
  - EXISTING BITUMINOUS PAVEMENT - REMAIN
  - EXISTING GRAVEL ROAD PAVEMENT - REMAIN
  - △ 101 CONTROL POINT
  - ⊕ EXISTING MONITORING WELL - REMAIN
  - ⊙ EXISTING POWER POLE - REMAIN
  - ⊙ EXISTING LIGHT POLE - REMAIN
  - ⊙ EXISTING ELECTRIC PEDESTAL - REMAIN
  - ⊙ EXISTING WATER MANHOLE - REMAIN
  - ⊙ EXISTING PIV - REMAIN
  - ⊙ EXISTING GATE VALVE - REMAIN
  - ⊙ EXISTING FIRE HYDRANT - REMAIN
  - ⊙ EXISTING STORM SEWER MANHOLE - REMAIN
  - ⊙ EXISTING SANITARY SEWER MANHOLE - REMAIN
  - ⊙ EXISTING COMMUNICATIONS BOX - REMAIN
  - ⊙ EXISTING SIGN - REMAIN
  - ⊙ EXISTING BOLLARD - REMAIN
  - ⊙ EXISTING GATE - REMAIN
  - UE — UE — REMOVE UNDERGROUND ELECTRIC
  - W — W — REMOVE POTABLE
  - SS — SS — REMOVE STORM
  - SS — SS — REMOVE CULVERT
  - SAN — SAN — REMOVE SANITARY
  - X — X — REMOVE CHAIN LINK FENCE
  - ~ ~ ~ REMOVE TREE LINE
  - REMOVE BUILDING
  - REMOVE BITUMINOUS PAVEMENT
  - REMOVE GRAVEL ROAD PAVEMENT
  - REESTABLISH CONTROL POINT
  - ⊕ REMOVE MONITORING WELL
  - ⊙ REMOVE LIGHT POLE
  - ⊙ REMOVE STORM SEWER MANHOLE
  - ⊙ SALVAGE AND REINSTALL SIGN
  - ⊙ REMOVE GATE



**2 PLAN: LANDFILL REMOVALS - TRANSFER STATION**  
 SCALE IN FEET  
 0 100 200

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CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	A	B	C	0	1	2	3
03/12/21	06/30/22									

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 Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
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Scale	AS SHOWN
Date	04/01/2020
Drawn	AWT
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Approved	-

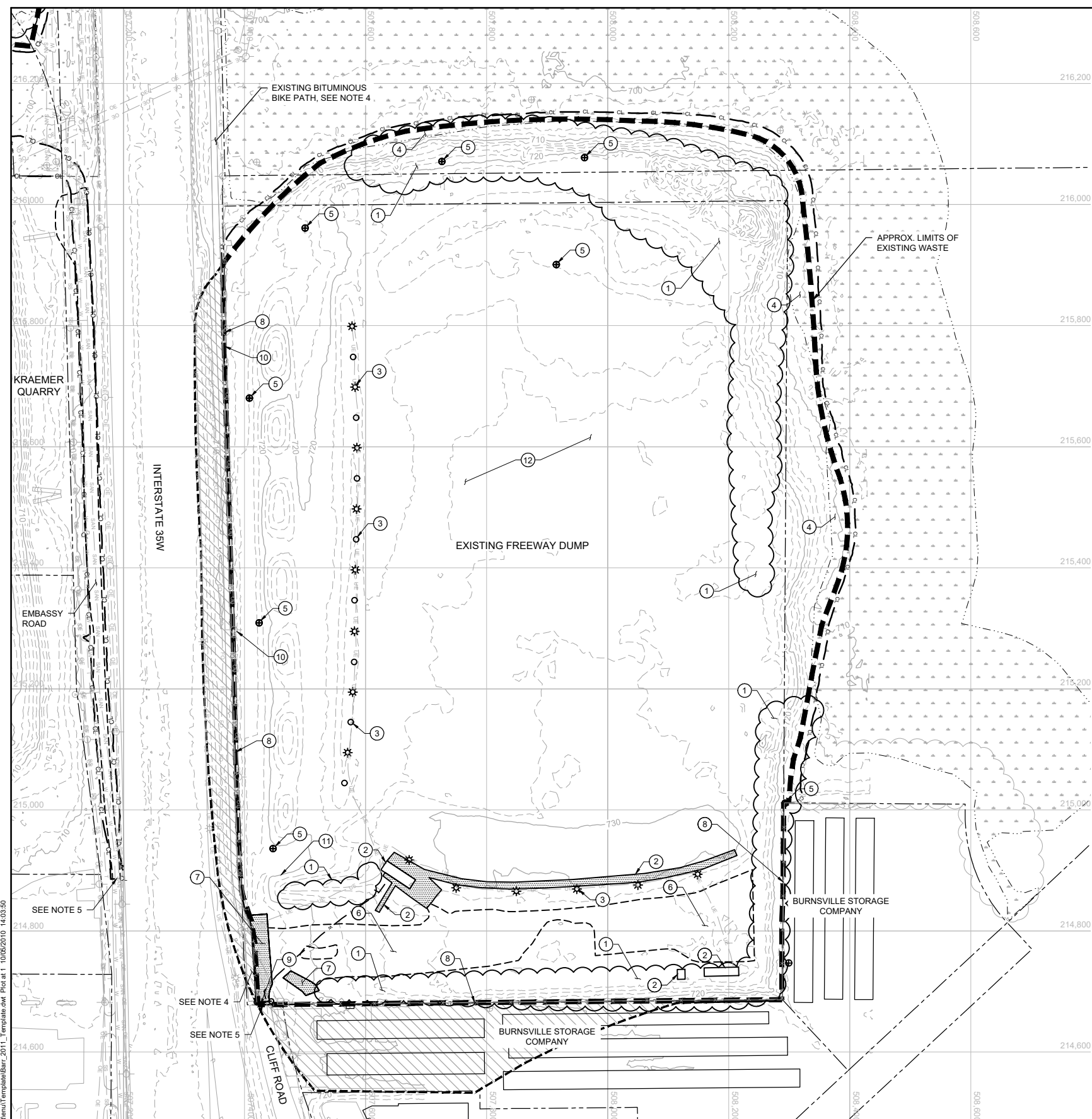


FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 LANDFILL REMOVALS  
 PLAN

100% DRAFT  
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 BARR PROJECT No.  
 23/19-1372.00  
 CLIENT PROJECT No.  
 DWG. No. C-30  
 REV. No. B



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**1 PLAN: DUMP REMOVALS**  
 0 100 200  
 SCALE IN FEET

**KEYED NOTES:**

- ① CLEAR AND GRUB TREES - SEE NOTE 7.
- ② REMOVE BUILDING AND ASSOCIATED INFRASTRUCTURE.
- ③ REMOVE LIGHT POLE (TYP.).
- ④ WETLANDS - SEE NOTE 6.
- ⑤ SEAL MONITORING WELL IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS - SEE NOTE 1.
- ⑥ REMOVE GRAVEL SURFACING.
- ⑦ REMOVE BITUMINOUS PAVEMENT - SEE NOTE 5.
- ⑧ REMOVE FENCING - SEE NOTE 8.
- ⑨ REMOVE GATE - SEE NOTE 8.
- ⑩ PROTECT POWER POLES (TYP.).
- ⑪ REMOVE SIGN.
- ⑫ REMOVE IRRIGATION SYSTEM, SEE NOTE 9

**NOTES**

- 1. PROTECT ALL STRUCTURES, UTILITIES, MONITORING WELLS, AND OTHER FEATURES UNLESS OTHERWISE NOTED OR AS DIRECTED BY OWNER. REMOVE AND DEMOLISH FEATURES AS NOTED PER SPECIFICATION 02 41 00.
- 2. TEMPORARY EROSION CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. SEE SHEET C-22 FOR EROSION CONTROL PLAN.
- 3. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
- 4. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
- 5. SAW-CUT PAVEMENT, FULL DEPTH, WHERE REMOVAL IS REQUIRED OR WHERE NEW PAVEMENT MEETS OLD PAVEMENT.
- 6. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
- 7. REMOVE TREES AND ROOTS AS NOTED. PROTECT TREES NOT INTENDED TO BE REMOVED. TREE AND ROOT CHIPPING AND REUSE ONSITE MAY BE ALLOWED, PENDING APPROVAL OF ENGINEER. CHIP AND DISPOSE OF TREES AND ROOTS PER SPECIFICATION 31 01 00. BURNING IS NOT ALLOWED ONSITE.
- 8. MAINTAIN SECURE SITE, PROVIDE TEMPORARY FENCING UNTIL FINAL FENCING IS INSTALLED, SEE SPECIFICATION 32 31 00 FOR ADDITIONAL DETAILS.
- 9. SURVEY LOCATE DID NOT CLEARLY LOCATE IRRIGATION SYSTEM.

**LEGEND**

- CL — CL — CONSTRUCTION LIMITS
- EXISTING PROPERTY BOUNDARY
- - - - - EXISTING FLOODWAY BOUNDARY
- - - - - EXISTING WATERLINE (2020-06-12)
- 740 --- EXISTING 10-FOOT CONTOUR
- - - - - EXISTING 2-FOOT CONTOUR
- OE --- EXISTING OVERHEAD ELECTRIC - REMAIN
- SS --- EXISTING STORM - REMAIN
- EXISTING TREE LINE - REMAIN
- APPROXIMATE LIMITS OF WASTE REMOVAL
- APPROXIMATE LIMITS OF WASTE TO REMAIN
- EXISTING BUILDING - REMAIN
- WETLANDS
- EXISTING BITUMINOUS PAVEMENT - REMAIN
- EXISTING GRAVEL ROAD PAVEMENT - REMAIN
- ⊕ EXISTING MONITORING WELL - REMAIN
- ⊙ EXISTING POWER POLE - REMAIN
- ⊛ EXISTING LIGHT POLE - REMAIN
- ⊗ EXISTING WATER MANHOLE - REMAIN
- ⊠ EXISTING GATE VALVE - REMAIN
- ⊡ EXISTING COMMUNICATIONS BOX - REMAIN
- ⊞ EXISTING GATE - REMAIN
- x --- REMOVE CHAIN LINK FENCE
- REMOVE TREE LINE
- REMOVE BUILDING
- REMOVE BITUMINOUS PAVEMENT
- REMOVE GRAVEL ROAD PAVEMENT
- ⊕ REMOVE MONITORING WELL
- ⊛ REMOVE LIGHT POLE
- ⊞ REMOVE GATE

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
 PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE #: _____

CLIENT	03/12/21	06/30/22					
BID							
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

**BARR**  
 Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	-



FREEWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 DUMP REMOVALS  
 PLAN

BARR PROJECT No.		23/19-1372.00
CLIENT PROJECT No.		
DWG. No.	C-31	REV. No.
		B

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 06/30/2022





**LEGEND**

---CL---	CONSTRUCTION LIMITS
---	PROPERTY BOUNDARY
- - - - -	EXISTING FLOODWAY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
---	EXISTING 10-FOOT CONTOUR
---	EXISTING 2-FOOT CONTOUR
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING UNDERGROUND ELECTRIC
---	EXISTING POTABLE
---	EXISTING STORM
---	EXISTING CULVERT
---	EXISTING SANITARY
---	EXISTING CHAIN LINK FENCE
---	EXISTING TREE LINE
---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	EXISTING BUILDING
---	WETLANDS
---	EXISTING BITUMINOUS PAVEMENT
---	EXISTING GRAVEL PAVEMENT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊠	EXISTING ELECTRIC PEDESTAL
⊙	EXISTING WATER MANHOLE
⊙	EXISTING PIV
⊙	EXISTING GATE VALVE
⊙	EXISTING FIRE HYDRANT
⊙	EXISTING STORM SEWER MANHOLE
⊙	EXISTING SANITARY SEWER MANHOLE
⊙	EXISTING COMMUNICATIONS BOX
⊙	EXISTING SIGN
⊙	EXISTING BOLLARD
---	PROPOSED 10-FOOT CONTOUR
---	PROPOSED 2-FOOT CONTOUR

- NOTES**
- PROPOSED CONTOURS REPRESENT OVERALL EXCAVATION, INCLUDING COVER SOILS, WASTE MATERIALS, AND COMMON SOILS. ADDITIONAL EXCAVATION MAY BE REQUIRED FOR UNSUITABLE MATERIALS OR BEDROCK, AS NECESSARY.
  - THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN UNLESS OTHERWISE DIRECTED BY OWNER. SEE SECTION 5 ON SHEET C-95 FOR ADDITIONAL DETAILS. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT PORT MARILYN, LLC PROPERTY ADJACENT TO BUILDINGS AND INFRASTRUCTURE, UNLESS OTHERWISE DIRECTED BY OWNER.
  - TRANSFER STATION TO HAVE UTILITY SERVICE DURING AND AFTER CONSTRUCTION. PROVIDE TEMPORARY SERVICE (POTABLE, SANITARY, AND POWER) DURING EXCAVATION. SEE SHEET C-70 FOR ADDITIONAL DETAILS.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE FOR WETLAND INVENTORY AND WETLAND IMPACTS. SEE SHEET C-21.
  - STRIP EXISTING COVER SOIL FOR REUSE. SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  - EXCAVATE AND DISPOSE OF WASTE. SEE SPECIFICATION 31 23 16.
  - EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION. SEE SPECIFICATION 31 23 00.
  - MAINTAIN 20' MIN. BENCH NEAR RIVER. COORDINATE WITH ENGINEER PRIOR ANY POTENTIAL EXCAVATION WITHIN THE 20' BENCH.
  - PROTECT EXPOSED WASTE FROM FLOODING. SEE SHEET C-26 FOR ADDITIONAL INFORMATION.
  - EXCAVATE WASTE AND SOIL AT SAFE SLOPES IN ACCORDANCE WITH OSHA. CONTRACTOR SHALL PROVIDE DESIGN FOR EXCAVATION DEEPER THAN 20'.

**1 PLAN: LANDFILL EXCAVATION**

0 200 400  
SCALE IN FEET

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

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PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE # _____

CLIENT	01/20/2021	09/30/22					
BID							
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

**BARR** ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 SUITE 200  
 MINNEAPOLIS, MN 55435

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 www.barr.com

Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	



**FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL**  
 BURNSVILLE, MINNESOTA

**LANDFILL EXCAVATION PLAN**

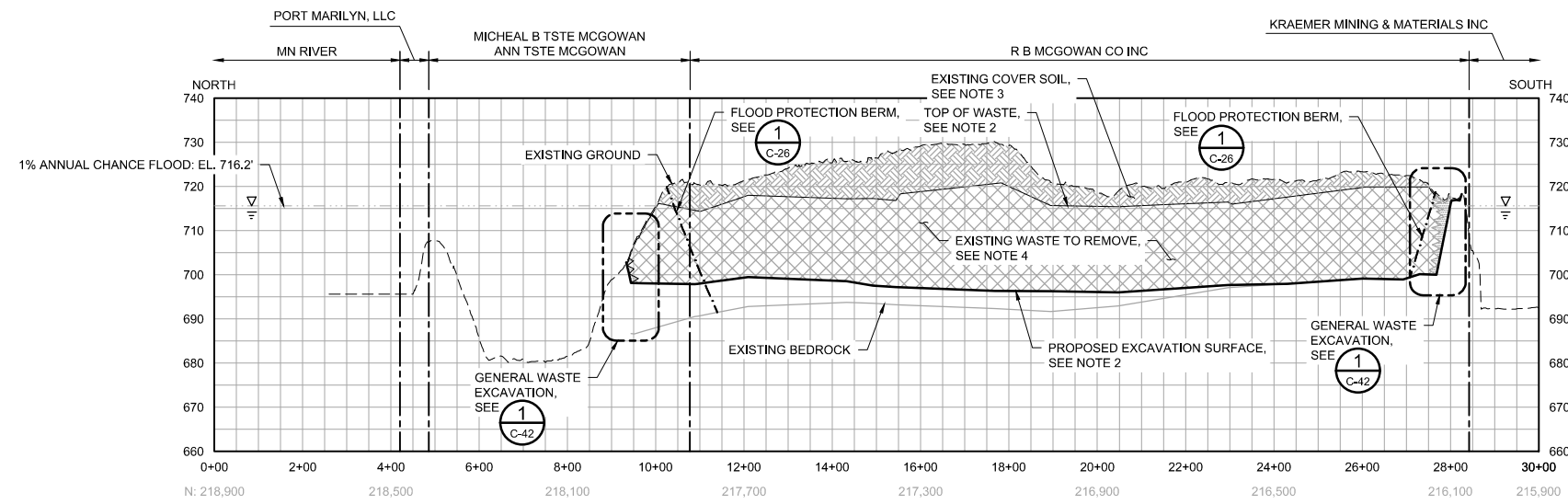
BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-32
REV. No.	B

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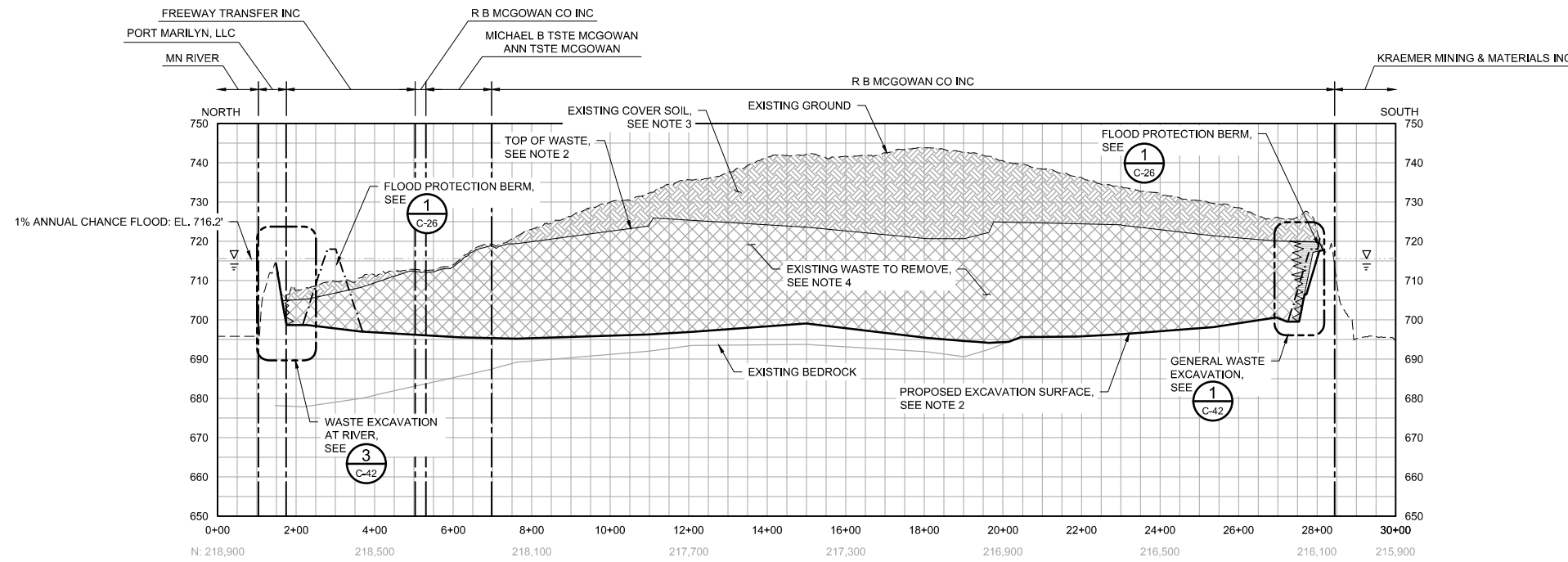


**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- - - TEMPORARY FLOOD PROTECTION BERM
- PROPOSED EXCAVATION SURFACE
- ▨ PROPOSED COVER SOIL EXCAVATION
- ▩ PROPOSED WASTE EXCAVATION
- ▧ PROPOSED COMMON EXCAVATION
- ▨ EXISTING WASTE TO REMAIN



**1 SECTION: LANDFILL WASTE EXCAVATION - NORTH TO SOUTH AT E: 504,800**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40



**2 PROFILE: LANDFILL WASTE EXCAVATION - NORTH TO SOUTH AT E: 505,400**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

**NOTES**

1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
3. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
4. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
5. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
6. MAINTAIN 20' MIN. BENCH NEAR RIVER. COORDINATE WITH ENGINEER PRIOR TO ANY POTENTIAL EXCAVATION WITHIN THE 20' BENCH.
7. GROUNDWATER FLUCTUATES AND IS NOT SHOWN FOR CLARITY, SEE SHEET C-10 OR ADDITIONAL INFORMATION.

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 06/30/2022

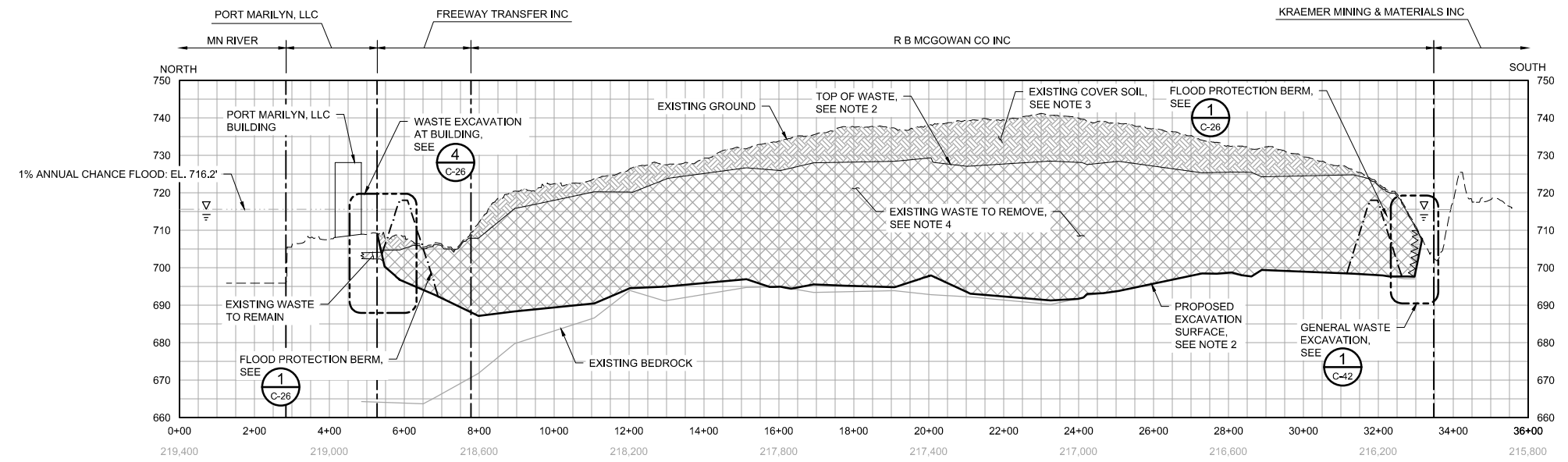
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		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT BID CONSTRUCTION		03/12/21 06/30/22		 Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com		Scale: AS SHOWN Date: 01/23/2020 Drawn: ZJN Checked: BDP Designed: BARR Approved: -				FREEWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA LANDFILL WASTE EXCAVATION NORTH-SOUTH SECTIONS 1 OF 2		BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No.		DWG. No. C-33 REV. No. B	
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	PRINTED NAME SIGNATURE DATE _____ LICENSE # _____		RELEASED TO/FOR DATE RELEASED		A B C 0 1 2 3									

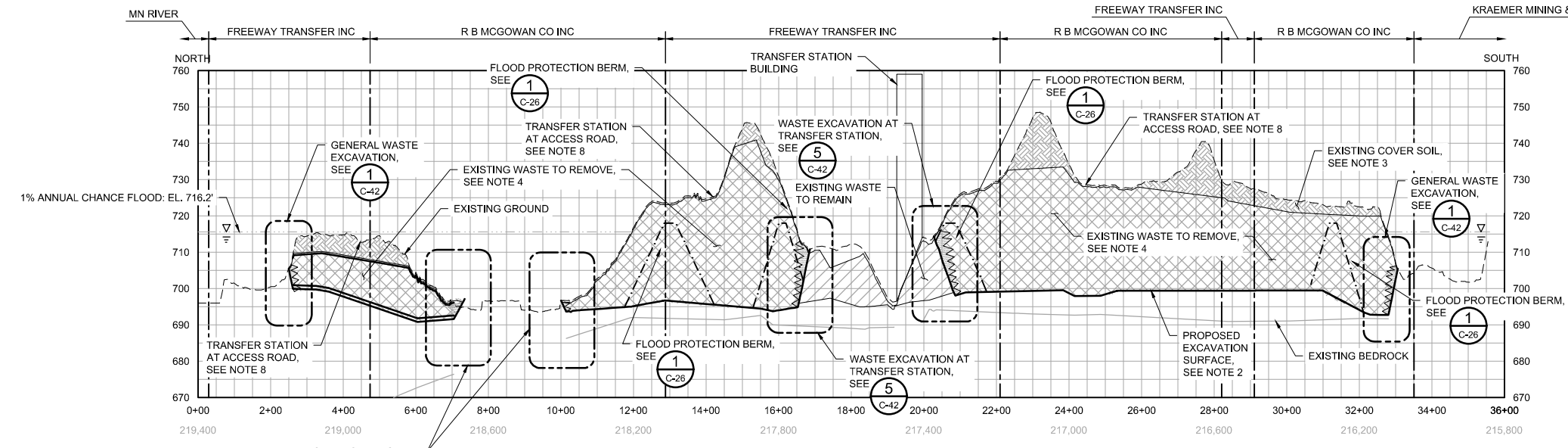


**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- - - TEMPORARY FLOOD PROTECTION BERM
- PROPOSED EXCAVATION SURFACE
- ▨ PROPOSED COVER SOIL EXCAVATION
- ▨ PROPOSED WASTE EXCAVATION
- ▨ PROPOSED COMMON EXCAVATION
- ▨ EXISTING WASTE TO REMAIN



**1 SECTION: LANDFILL WASTE EXCAVATION - NORTH TO SOUTH AT E: 506,000**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40



**2 SECTION: LANDFILL WASTE EXCAVATION - NORTH TO SOUTH AT E: 506,600**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  4. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  5. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
  6. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  7. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT PORT MARILYN, LLC PROPERTY ADJACENT TO BUILDINGS AND INFRASTRUCTURE, UNLESS OTHERWISE DIRECTED BY OWNER.
  8. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROPRIATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  9. GROUNDWATER FLUCTUATES AND IS NOT SHOWN FOR CLARITY, SEE SHEET C-10 OR ADDITIONAL INFORMATION.

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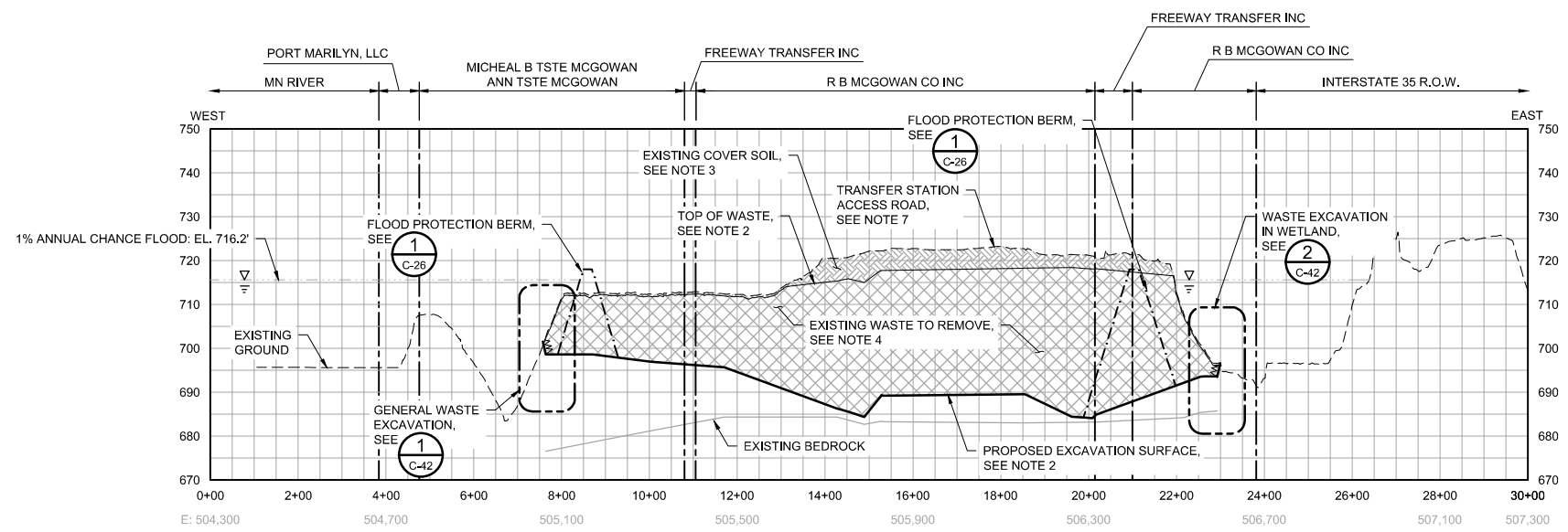
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		RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____				Minnesota Pollution Control Agency <b>MINNESOTA POLLUTION CONTROL AGENCY</b>					

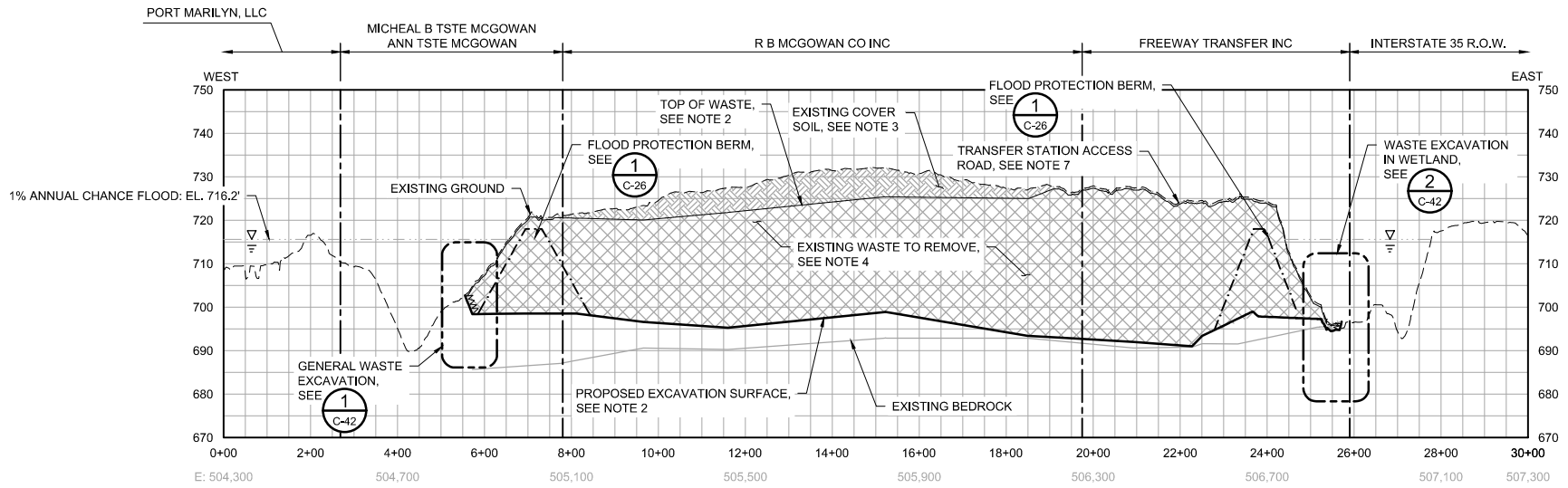


**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- - - - - TEMPORARY FLOOD PROTECTION BERM
- PROPOSED EXCAVATION SURFACE
- ▨ PROPOSED COVER SOIL EXCAVATION
- ▩ PROPOSED WASTE EXCAVATION
- ▧ PROPOSED COMMON EXCAVATION
- ▨ EXISTING WASTE TO REMAIN



**1 SECTION: LANDFILL WASTE EXCAVATION WEST TO EAST AT N: 218,700**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40



**2 SECTION: LANDFILL WASTE EXCAVATION - WEST TO EAST AT N: 218,000**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

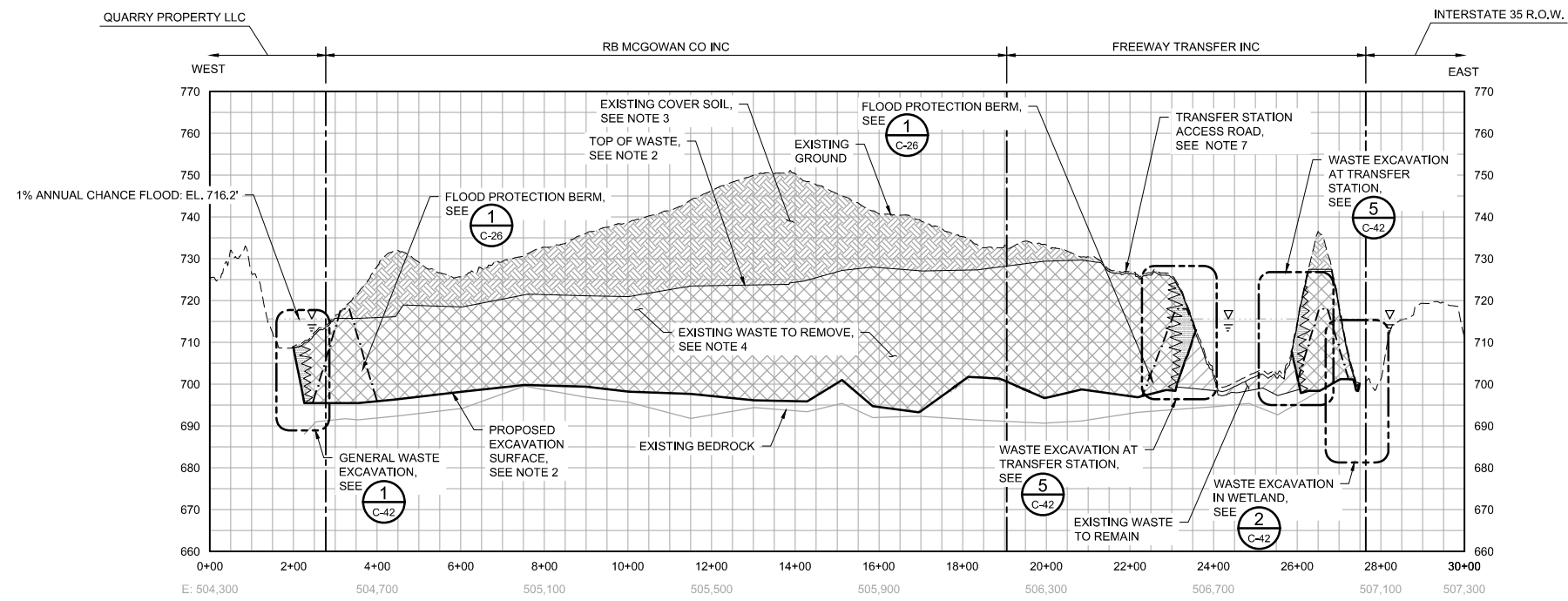
- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  4. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  5. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
  6. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  7. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROPRIATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  8. GROUNDWATER FLUCTUATES AND IS NOT SHOWN FOR CLARITY, SEE SHEET C-10 OR ADDITIONAL INFORMATION.

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		BID						Date	01/23/2020		23/19-1372.00																
PRINTED NAME _____ SIGNATURE _____ DATE _____ LICENSE # _____		CONSTRUCTION			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Released To/For</td> <td>A</td> <td>B</td> <td>C</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Date Released</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Released To/For	A	B	C	0	1	2	3	Date Released								Drawn	ZJN	CLIENT PROJECT No.	
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Date Released																											
NO. BY CHK. APP. DATE REVISION DESCRIPTION		RELEASED TO/FOR			Minnesota Pollution Control Agency 			Checked	BDP	DWG. No.	REV. No.																
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		Approved																									

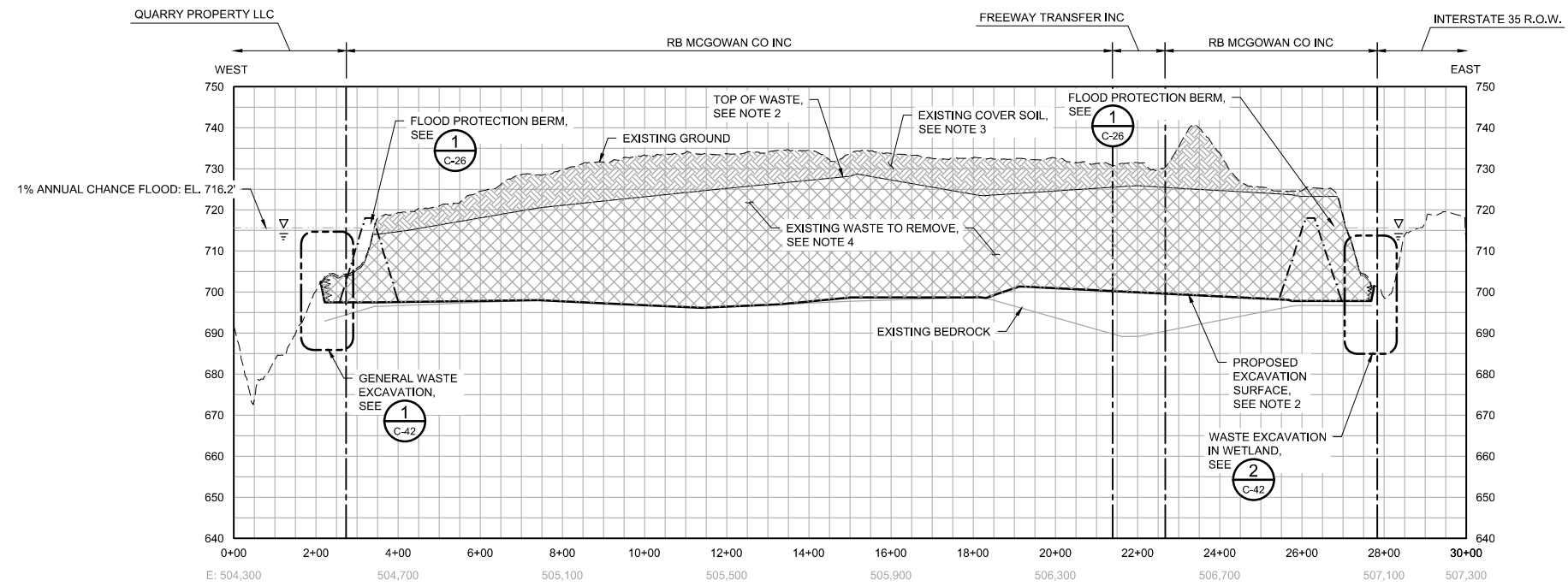




**1** SECTION: LANDFILL WASTE EXCAVATION - WEST TO EAST AT N: 217,300  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

**LEGEND**

---	EXISTING PROPERTY LINE
- - - -	EXISTING GROUND
---	EXISTING BEDROCK
- · - · -	1% ANNUAL CHANCE FLOOD: EL. 716.2'
- · - · -	TEMPORARY FLOOD PROTECTION BERM
---	PROPOSED EXCAVATION SURFACE
▨	PROPOSED COVER SOIL EXCAVATION
▩	PROPOSED WASTE EXCAVATION
▧	PROPOSED COMMON EXCAVATION
▨	EXISTING WASTE TO REMAIN



**2** SECTION: LANDFILL WASTE EXCAVATION - WEST TO EAST AT N: 216,600  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

- NOTES**
- PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  - THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  - EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
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  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROPRIATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - GROUNDWATER FLUCTUATES AND IS NOT SHOWN FOR CLARITY, SEE SHEET C-10 OR ADDITIONAL INFORMATION.

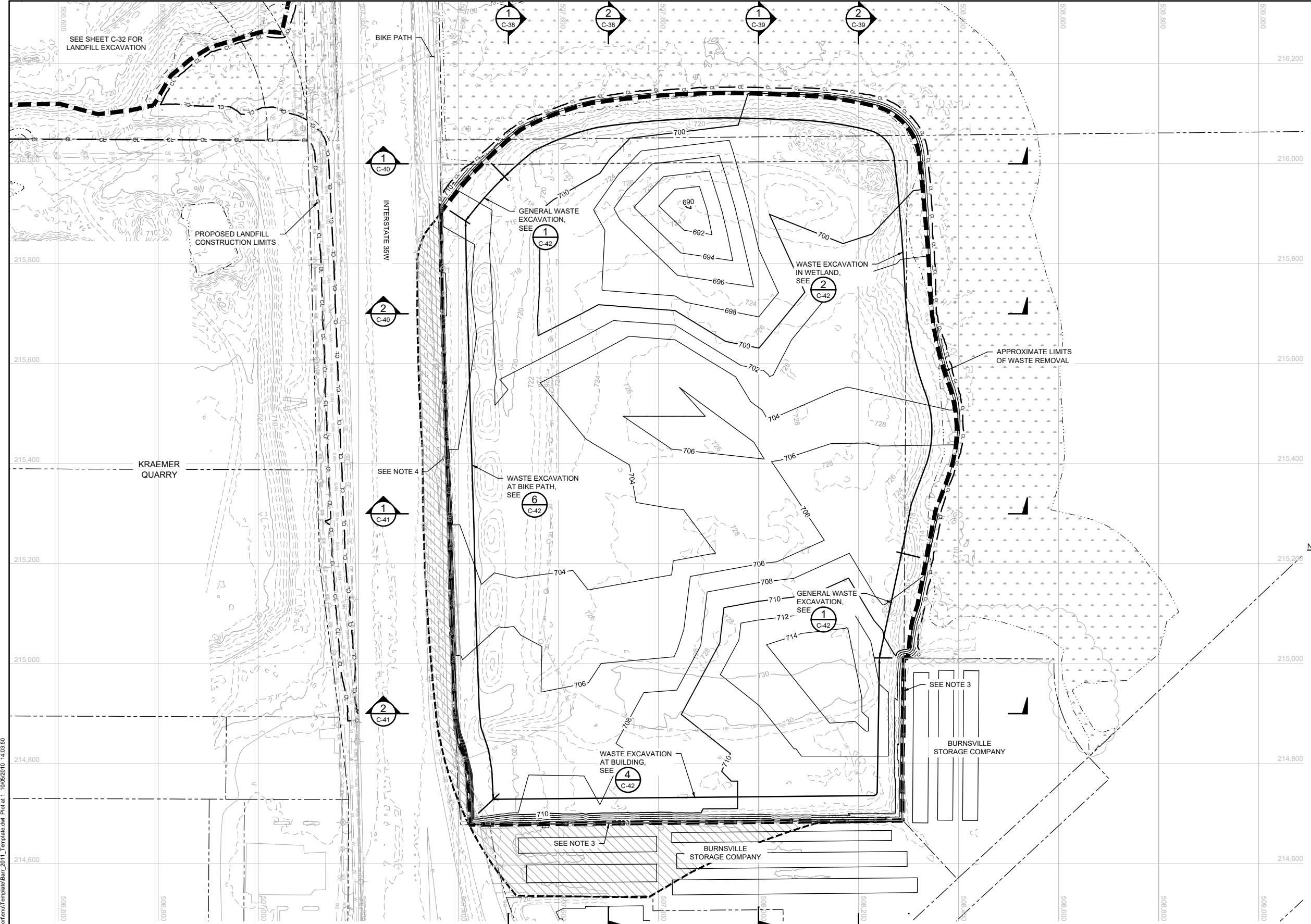
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 06/30/2022

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____		CLIENT: RB MCGOWAN CO INC BID: _____ CONSTRUCTION: _____ RELEASED TO/OF: A B C 0 1 2 3 DATE RELEASED: 03/12/21 09:30:22	 Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	Scale: AS SHOWN Date: 01/23/2020 Drawn: ZJN Checked: BDP Designed: BARR Approved: _____	 FREEWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA LANDFILL WASTE EXCAVATION WEST-EAST SECTIONS 2 OF 2	BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No. DWG. No. C-36 REV. No. B
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LEGEND	
— CL — CL —	CONSTRUCTION LIMITS
---	PROPERTY BOUNDARY
- - - - -	EXISTING WATERLINE (2020-06-12)
— 740 —	EXISTING 10-FOOT CONTOUR
- - - - -	EXISTING 2-FOOT CONTOUR
— OE — OE —	EXISTING OVERHEAD ELECTRIC
— UE — UE —	EXISTING UNDERGROUND ELECTRIC
— W — W —	EXISTING POTABLE
— SS — SS —	EXISTING STORM
— SS — SS —	EXISTING CULVERT
— SAN — SAN —	EXISTING SANITARY
— X — X —	EXISTING CHAIN LINK FENCE
~ ~ ~ ~ ~	EXISTING TREE LINE
— — — — —	APPROXIMATE LIMITS OF WASTE REMOVAL
— — — — —	APPROXIMATE LIMITS OF WASTE TO REMAIN
— — — — —	EXISTING BUILDING
— — — — —	WETLANDS
— — — — —	EXISTING BITUMINOUS PAVEMENT
— — — — —	EXISTING GRAVEL ROAD PAVEMENT
⊕	EXISTING MONITORING WELL
⊙	EXISTING POWER POLE
⊛	EXISTING LIGHT POLE
⊗	EXISTING WATER MANHOLE
⊘	EXISTING GATE VALVE
⊙	EXISTING SANITARY SEWER MANHOLE
⊞	EXISTING COMMUNICATIONS BOX
— 710 —	PROPOSED 10-FOOT CONTOUR
— 712 —	PROPOSED 2-FOOT CONTOUR

- NOTES**
1. PROPOSED CONTOURS REPRESENT OVERALL EXCAVATION, INCLUDING COVER SOILS, WASTE MATERIALS, AND COMMON SOILS. ADDITIONAL EXCAVATION MAY BE REQUIRED FOR UNSUITABLE MATERIALS OR BEDROCK, AS NECESSARY.
  2. THE EXACT LIMITS OF EXISTING WASTE ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT ALLSTATE SELF-STORAGE PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  4. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP 2' FROM BIKE PATH, UNLESS DIRECTED BY OWNER OTHERWISE.
  5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  6. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  7. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATIONS 31 23 16.
  8. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
  9. PROTECT EXPOSED WASTE FROM FLOODING, SEE SHEET C-27 FOR ADDITIONAL INFORMATION.
  10. EXCAVATE WASTE AND SOIL AT SAFE SLOPES IN ACCORDANCE WITH OSHA. CONTRACTOR SHALL PROVIDE DESIGN FOR EXCAVATION DEEPER THAN 20'.

1 PLAN: DUMP EXCAVATION  
 SCALE IN FEET  
 0 100 200

100% DRAFT  
 NOT FOR CONSTRUCTION  
 06/30/2022

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE # _____

CLIENT	03/12/21	06/30/22
BID		
CONSTRUCTION		
RELEASED TO/FOR	A B C 0 1 2 3	
DATE RELEASED		

**BARR**  
 Project Office:  
 BARR ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

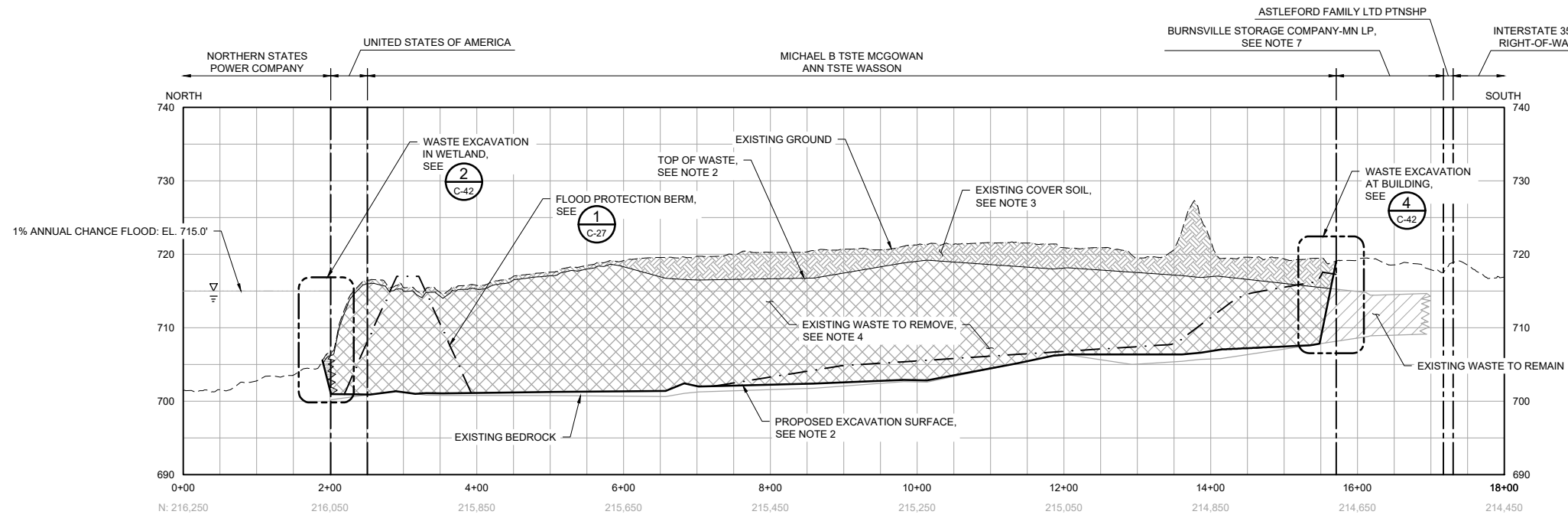
Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	

**MINNESOTA POLLUTION CONTROL AGENCY**

FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNVILLE, MINNESOTA  
 DUMP EXCAVATION  
 PLAN

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	C-37
REV. No.	B

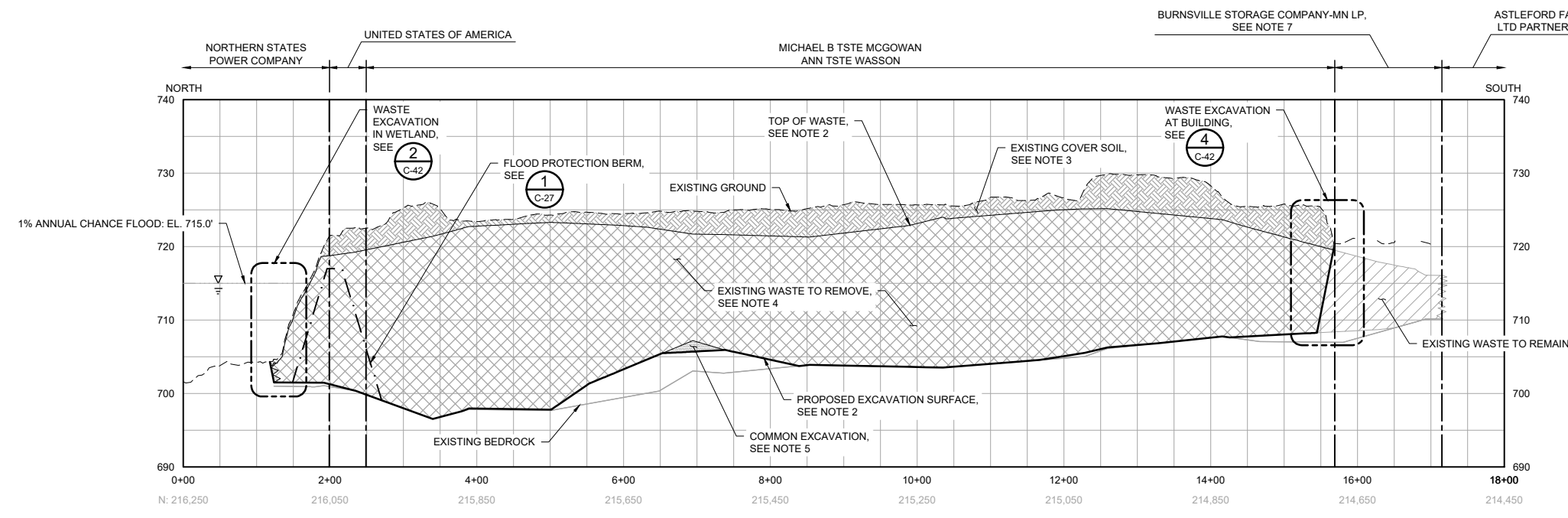




**1** SECTION: DUMP WASTE EXCAVATION - NORTH TO SOUTH AT E: 507,500  
 C-37  
 0 100 200 0 10 20  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

**LEGEND**

---	EXISTING PROPERTY LINE
- - - -	EXISTING GROUND
—	EXISTING BEDROCK
- · - · -	1% ANNUAL CHANCE FLOOD: EL. 715.0'
- · - · -	TEMPORARY FLOOD PROTECTION BERM
—	PROPOSED EXCAVATION SURFACE
▨	PROPOSED COVER SOIL EXCAVATION
▩	PROPOSED WASTE EXCAVATION
▧	PROPOSED COMMON EXCAVATION
▨	EXISTING WASTE TO REMAIN



**2** SECTION: DUMP WASTE EXCAVATION - NORTH TO SOUTH AT E: 507,700  
 C-37  
 0 100 200 0 10 20  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

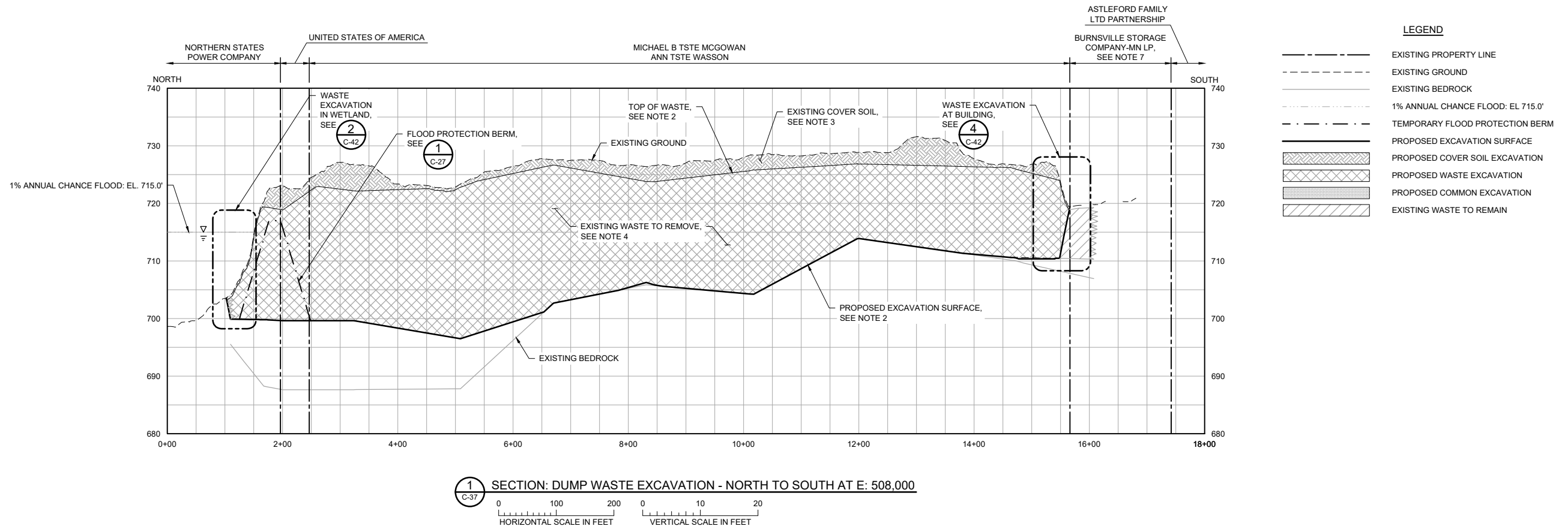
- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  4. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  5. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
  6. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  7. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT BURNSVILLE STORAGE COMPANY PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  8. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  9. GROUNDWATER FLUCTUATES, SEE SHEET C-11.

100% DRAFT  
 NOT FOR CONSTRUCTION  
 06/30/2022

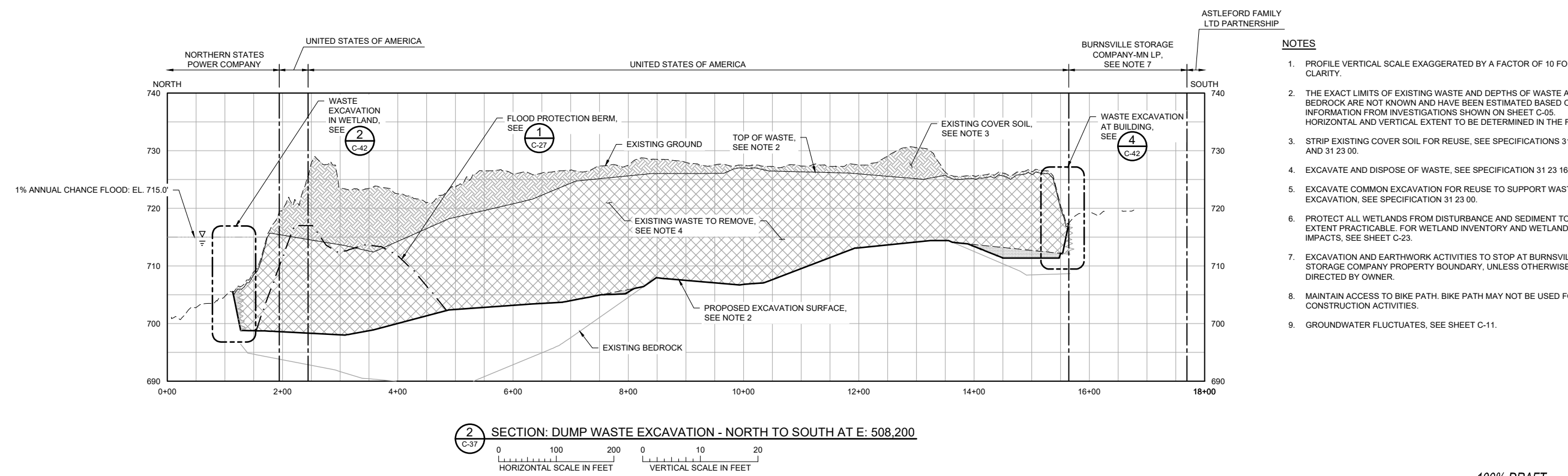
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____				CLIENT: 03/12/21 09/30/22 BID: _____ CONSTRUCTION: _____ RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____				Project Office: <b>BARR ENGINEERING CO.</b> 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com				Scale: AS SHOWN Date: 01/23/2020 Drawn: ZJN Checked: BDP Designed: BARR Approved: _____				<b>MINNESOTA POLLUTION CONTROL AGENCY</b>				FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA DUMP WASTE EXCAVATION NORTH-SOUTH SECTIONS 1 OF 2				BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No. _____ DWG. No. C-38 REV. No. B			
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**1** SECTION: DUMP WASTE EXCAVATION - NORTH TO SOUTH AT E: 508,000  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20



**2** SECTION: DUMP WASTE EXCAVATION - NORTH TO SOUTH AT E: 508,200  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20

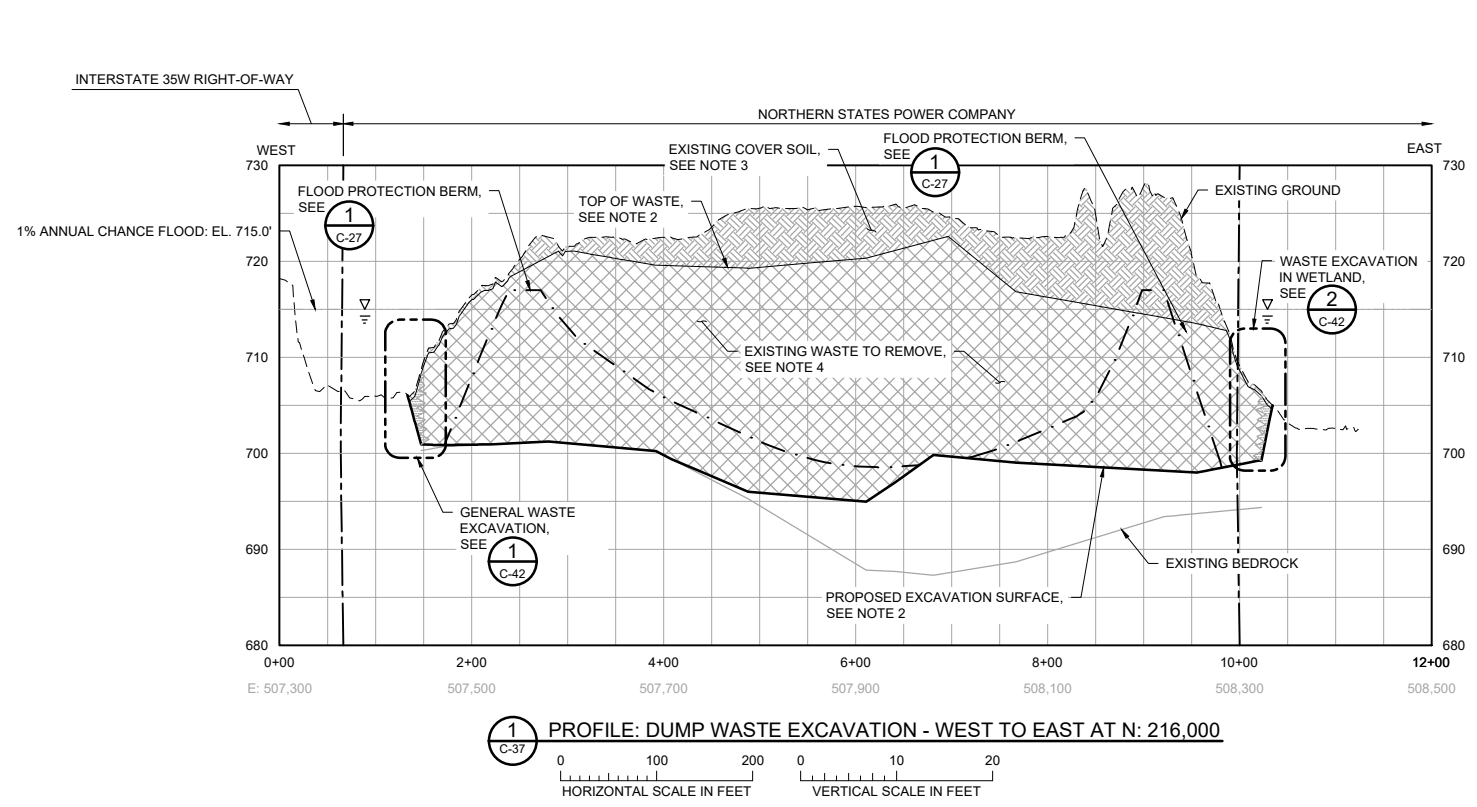
- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
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  8. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  9. GROUNDWATER FLUCTUATES, SEE SHEET C-11.

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 06/30/2022

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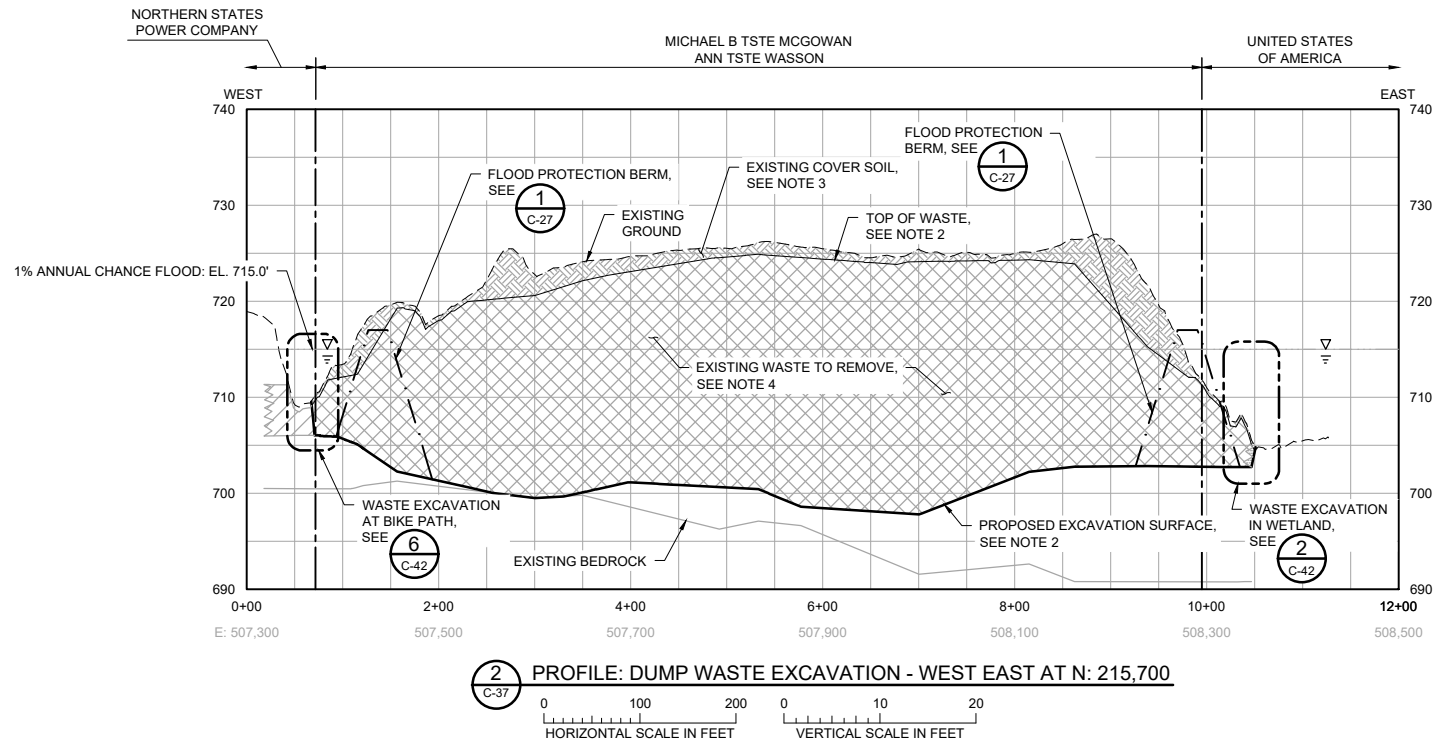
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**LEGEND**

---	EXISTING PROPERTY LINE
- - - - -	EXISTING GROUND
---	EXISTING BEDROCK
- · - · - · -	1% ANNUAL CHANCE FLOOD: EL. 715.0'
- - - - -	TEMPORARY FLOOD PROTECTION BERM
---	PROPOSED EXCAVATION SURFACE
▨	PROPOSED COVER SOIL EXCAVATION
▩	PROPOSED WASTE EXCAVATION
▧	PROPOSED COMMON EXCAVATION
▦	EXISTING WASTE TO REMAIN



- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
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  9. GROUNDWATER FLUCTUATES, SEE SHEET C-11.

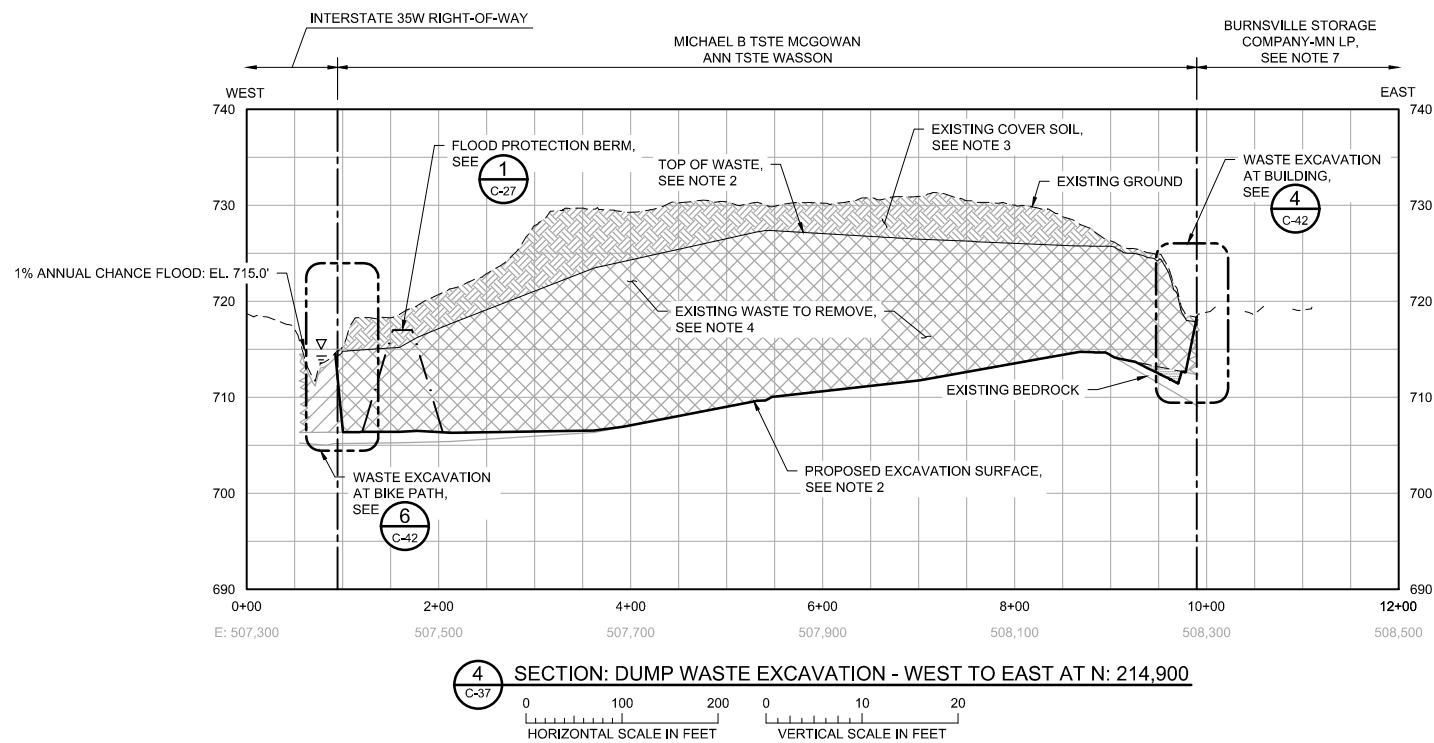
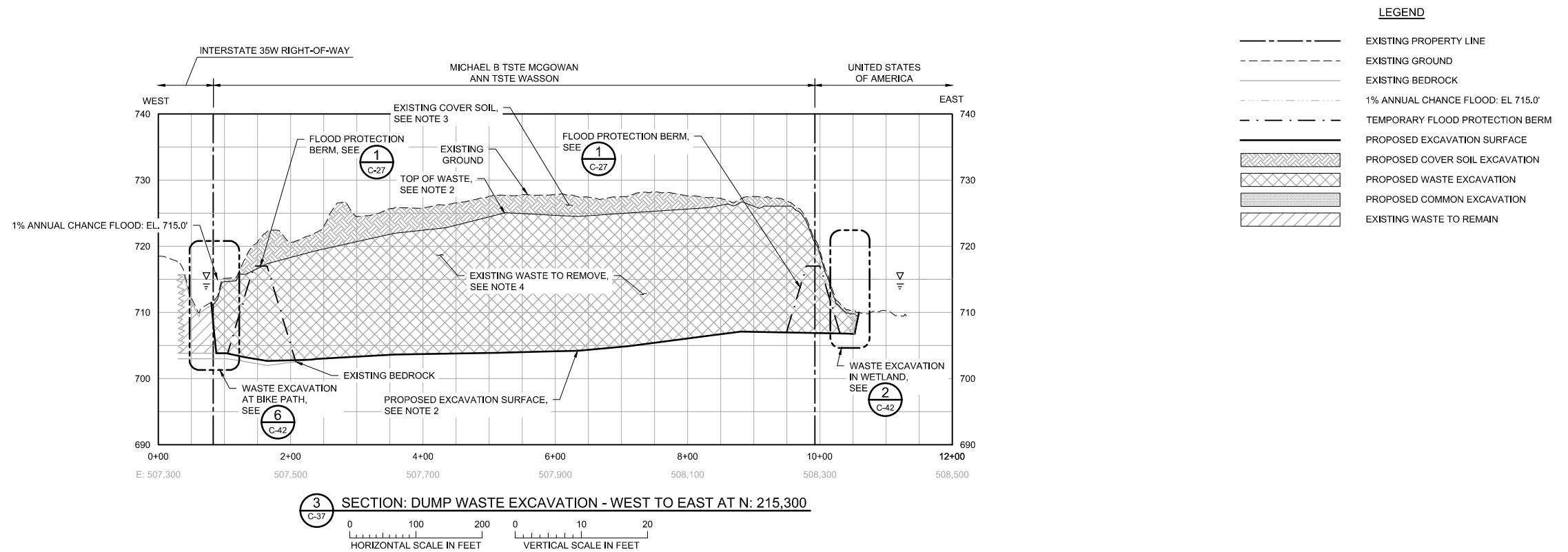
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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR	A B C 0 1 2 3		DATE RELEASED	Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	DWG. No. C-40		REV. No. B	DUMP WASTE EXCAVATION WEST-EAST SECTIONS 1 OF 2



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**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 715.0'
- - - TEMPORARY FLOOD PROTECTION BERM
- PROPOSED EXCAVATION SURFACE
- ▨ PROPOSED COVER SOIL EXCAVATION
- ▩ PROPOSED WASTE EXCAVATION
- ▧ PROPOSED COMMON EXCAVATION
- ▨ EXISTING WASTE TO REMAIN

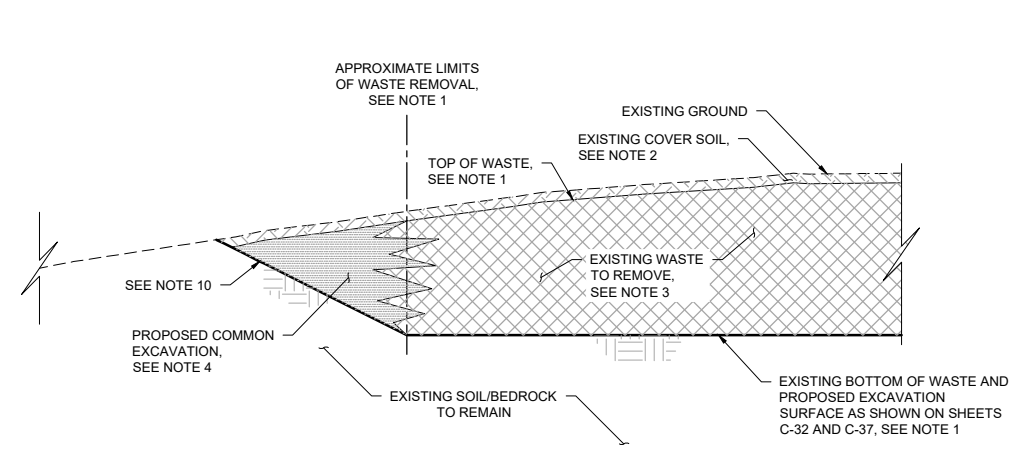
**NOTES**

1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
3. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
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9. GROUNDWATER FLUCTUATES, SEE SHEET C-11.

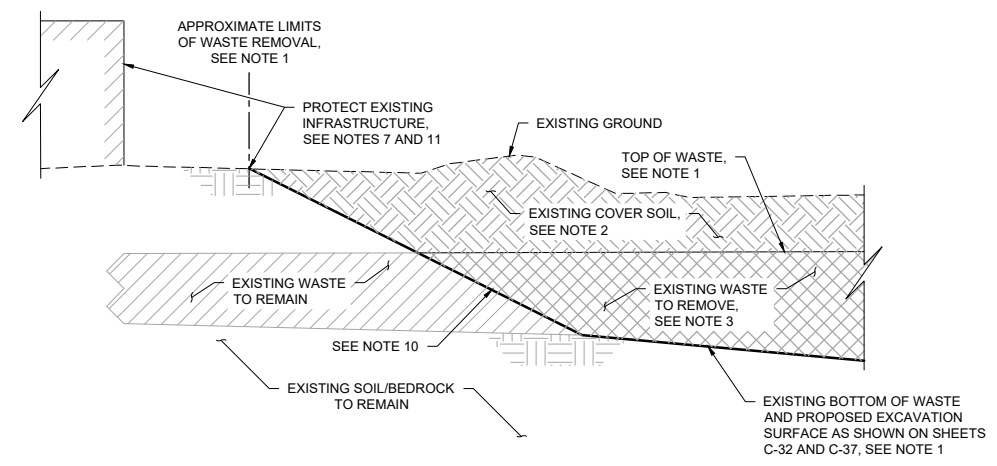
100% DRAFT  
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 06/30/2022

				I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				CLIENT 03/12/21 08/30/22				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435				Scale: AS SHOWN Date: 01/23/2020 Drawn: ZJN Checked: BDP Designed: BARR Approved: -				FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA				BARR PROJECT No. 23/19-1372.00							
				PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____				RELEASED TO/ FOR: A B C 0 1 2 3				Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com				MINNESOTA POLLUTION CONTROL AGENCY				DUMP WASTE EXCAVATION WEST-EAST SECTIONS 2 OF 2				CLIENT PROJECT No.							
NO.				BY				CHK.				APP.				DATE				REVISION DESCRIPTION				DWG. No. C-41				REV. No. B			

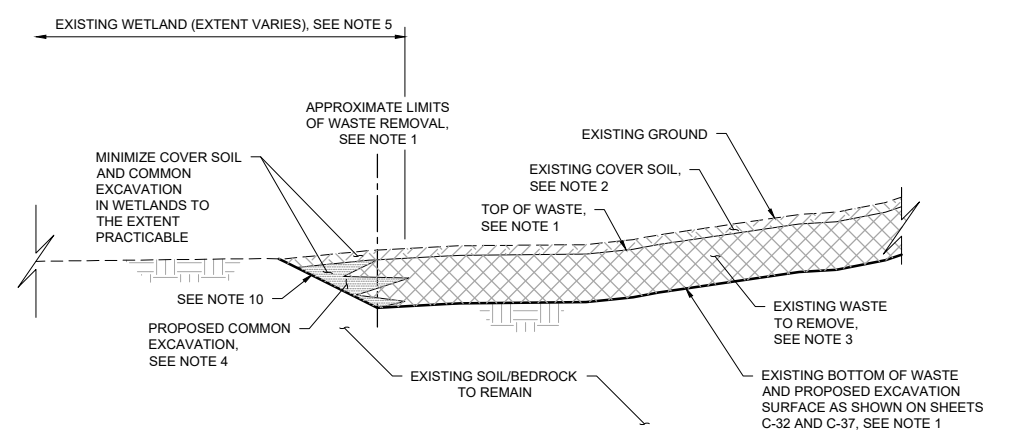




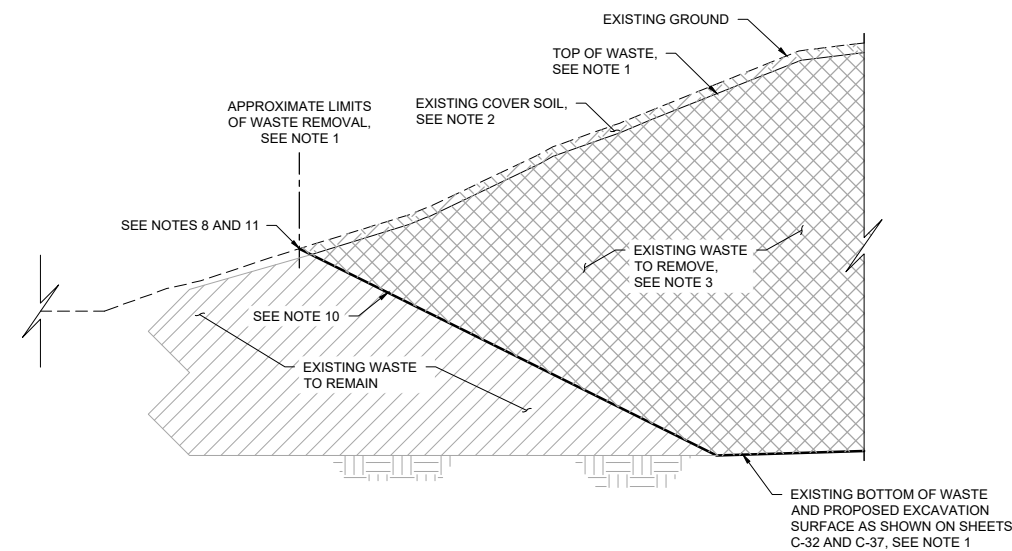
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C-32, C-37 NOT TO SCALE



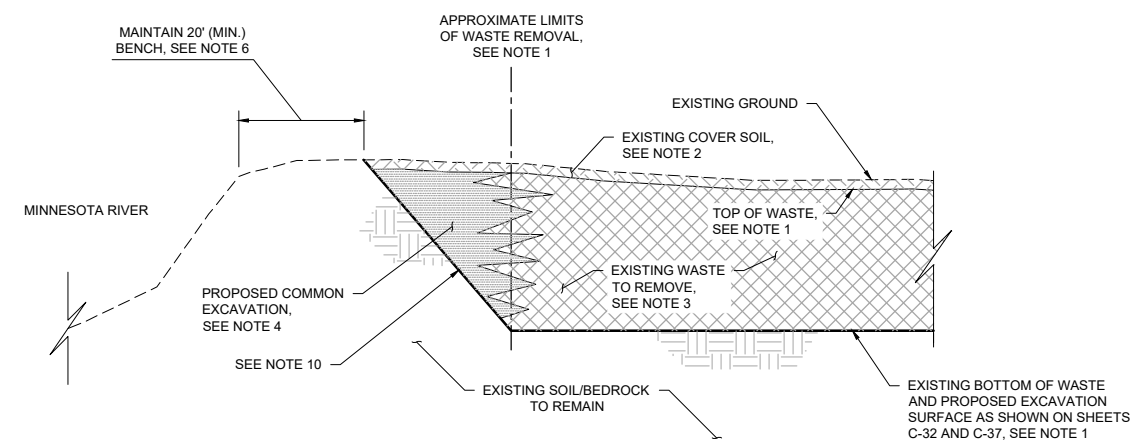
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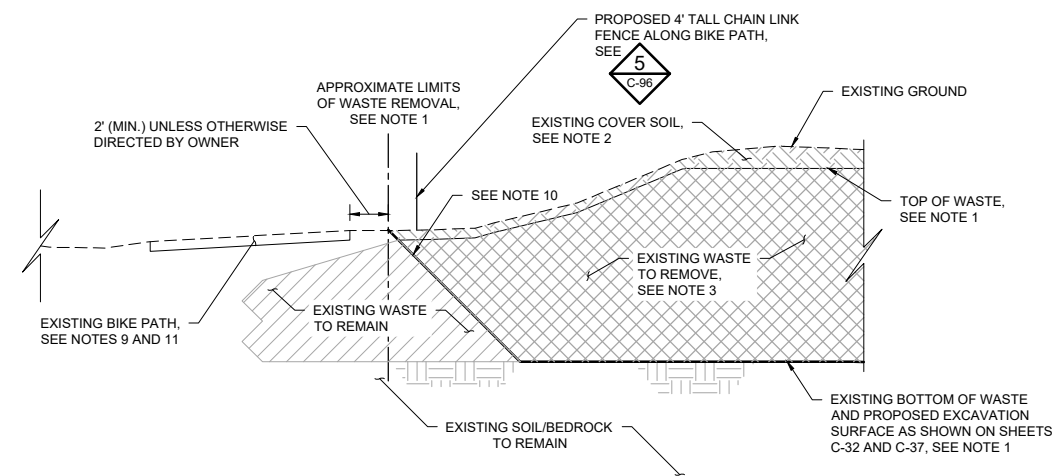
**2 SECTION: WASTE EXCAVATION IN WETLAND (TYP.)**  
C-32, C-37 NOT TO SCALE



**5 SECTION: WASTE EXCAVATION AT TRANSFER STATION (TYP.)**  
C-32 NOT TO SCALE



**3 SECTION: WASTE EXCAVATION AT RIVER (TYP.)**  
C-32, C-37 NOT TO SCALE



**6 SECTION: WASTE EXCAVATION AT BIKE PATH (TYP.)**  
C-37 NOT TO SCALE

**LEGEND**

---	EXISTING GROUND
-----	PROPOSED EXCAVATION SURFACE
▨	PROPOSED COVER SOIL EXCAVATION
▩	PROPOSED WASTE EXCAVATION
▧	PROPOSED COMMON EXCAVATION
▦	EXISTING WASTE TO REMAIN
▤	EXISTING SOIL TO REMAIN

- NOTES**
1. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEETS C-02 AND C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  2. STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  3. EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
  4. EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
  5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  6. MAINTAIN 20' (MIN.) BENCH NEAR RIVER. COORDINATE WITH ENGINEER PRIOR TO ANY POTENTIAL EXCAVATION WITHIN THE 20' BENCH.
  7. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT PORT MARILYN LLC PROPERTY ADJACENT TO BUILDINGS AND INFRASTRUCTURE AND AT ALLSTATE SELF-STORAGE PROPERTY BOUNDARIES, UNLESS OTHERWISE DIRECTED BY OWNER.
  8. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-94 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  9. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.
  10. EXCAVATE WASTE AND SOIL AT SAFE SLOPES IN ACCORDANCE WITH OSHA. CONTRACTOR SHALL PROVIDE DESIGN FOR EXCAVATION DEEPER THAN 20'.
  11. PROTECT ALL STRUCTURES, UTILITIES, AND OTHER FEATURES UNLESS OTHERWISE NOTED OR AS DIRECTED BY OWNER.

100% DRAFT  
NOT FOR CONSTRUCTION  
06/30/2022

CADD USER: Jack A. Mettich FILE: M:\DESIGN\2319137205_HAUL_C-42.DWG PLOT SCALE: 1:2 PLOT DATE: 06/28/2022 2:52 PM  
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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT BID CONSTRUCTION	03/12/21 06/30/22				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435	Scale Date Drawn Checked Designed Approved	AS SHOWN 9/22/2020 ADB2 BDP BARR -		FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA	BARR PROJECT No. 23/19-1372.00
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR	DATE RELEASED	Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	MINNESOTA POLLUTION CONTROL AGENCY		TYPICAL EXCAVATION SECTIONS	CLIENT PROJECT No. DWG. No. REV. No.

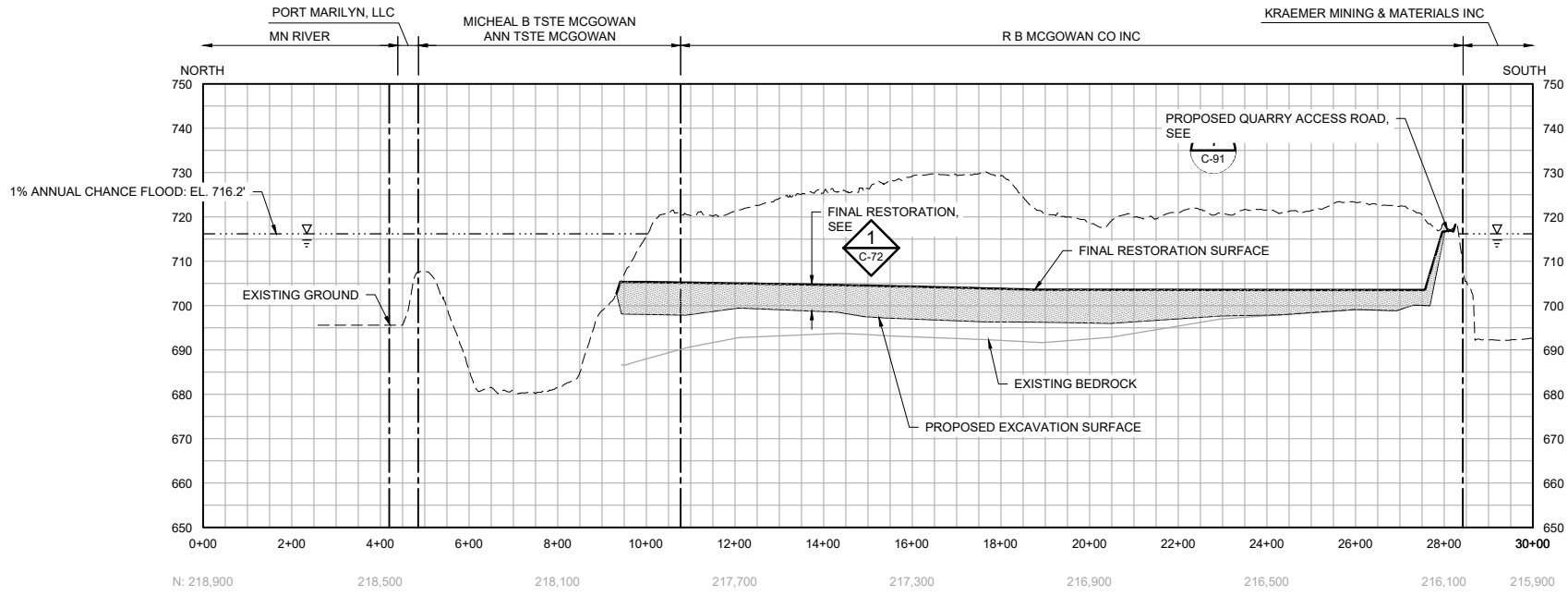




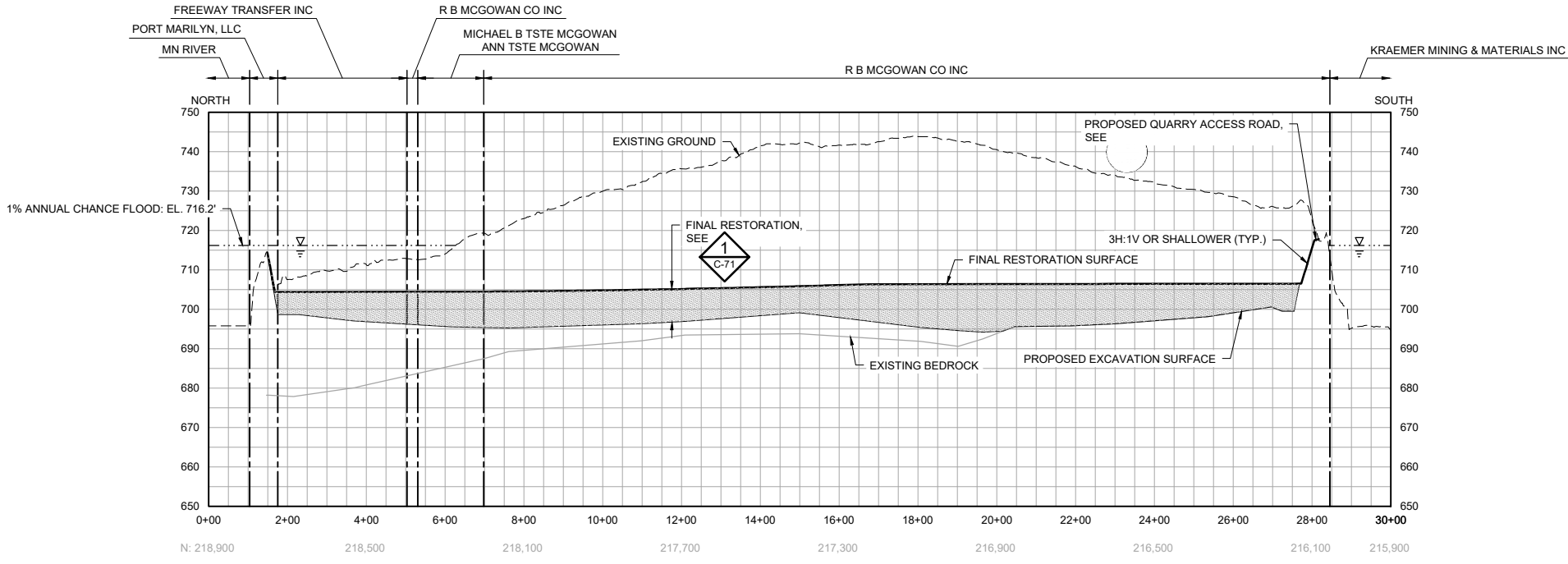


**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- · - · - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- PROPOSED EXCAVATION SURFACE
- PROPOSED RESTORATION SURFACE
- █ PROPOSED COMMON FILL
- ▨ EXISTING WASTE TO REMAIN



**1 SECTION: LANDFILL RESTORATION - NORTH TO SOUTH AT E: 504,800**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40



**2 SECTION: LANDFILL RESTORATION - NORTH TO SOUTH AT E: 505,400**  
 HORIZONTAL SCALE IN FEET: 0, 200, 400  
 VERTICAL SCALE IN FEET: 0, 20, 40

**NOTES**

1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATIONS 31 23 00 AND 31 23 23.
4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
5. MAINTAIN 20' MIN. BENCH NEAR RIVER. COORDINATE WITH ENGINEER PRIOR TO ANY POTENTIAL EXCAVATION WITHIN THE 20' BENCH.
6. EXCAVATE COMMON EXCAVATION FOR REUSE, SEE SPECIFICATION 31 23 00.

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 NOT FOR CONSTRUCTION  
 06/30/2022

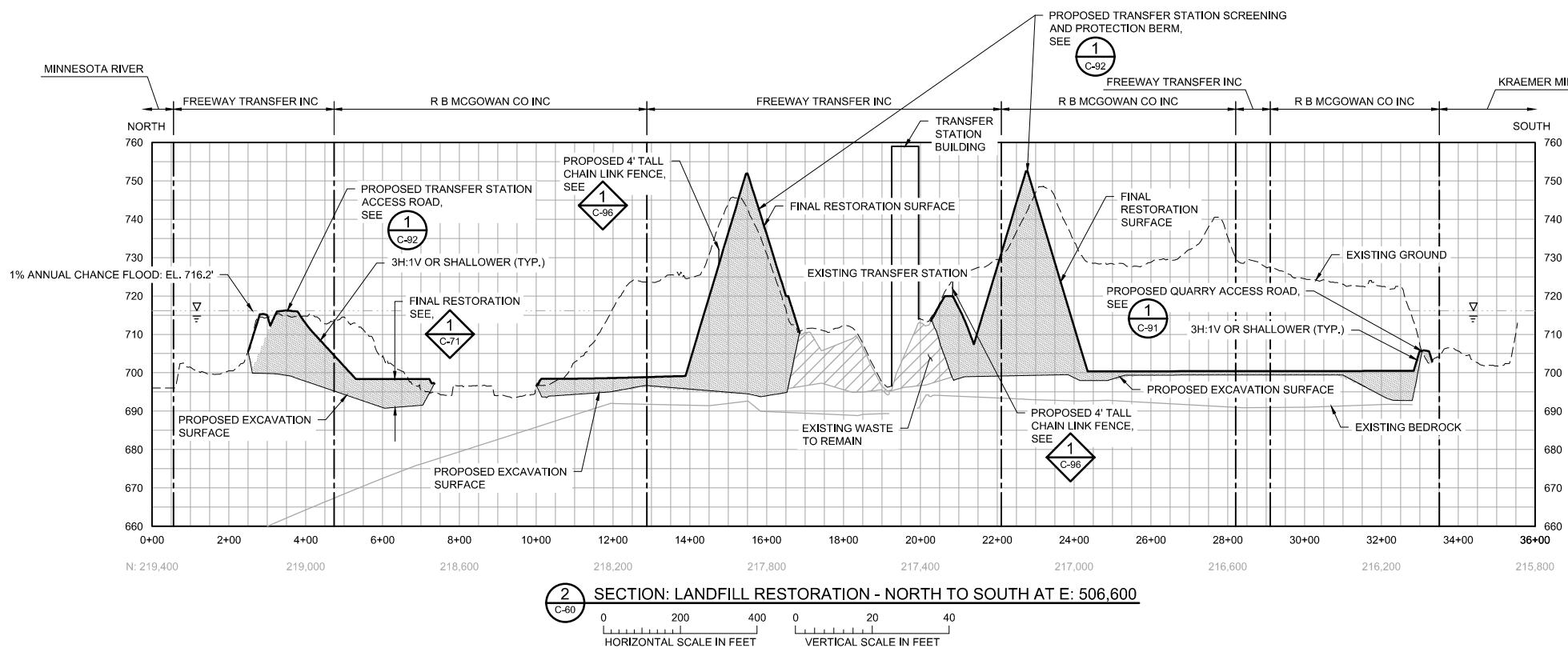
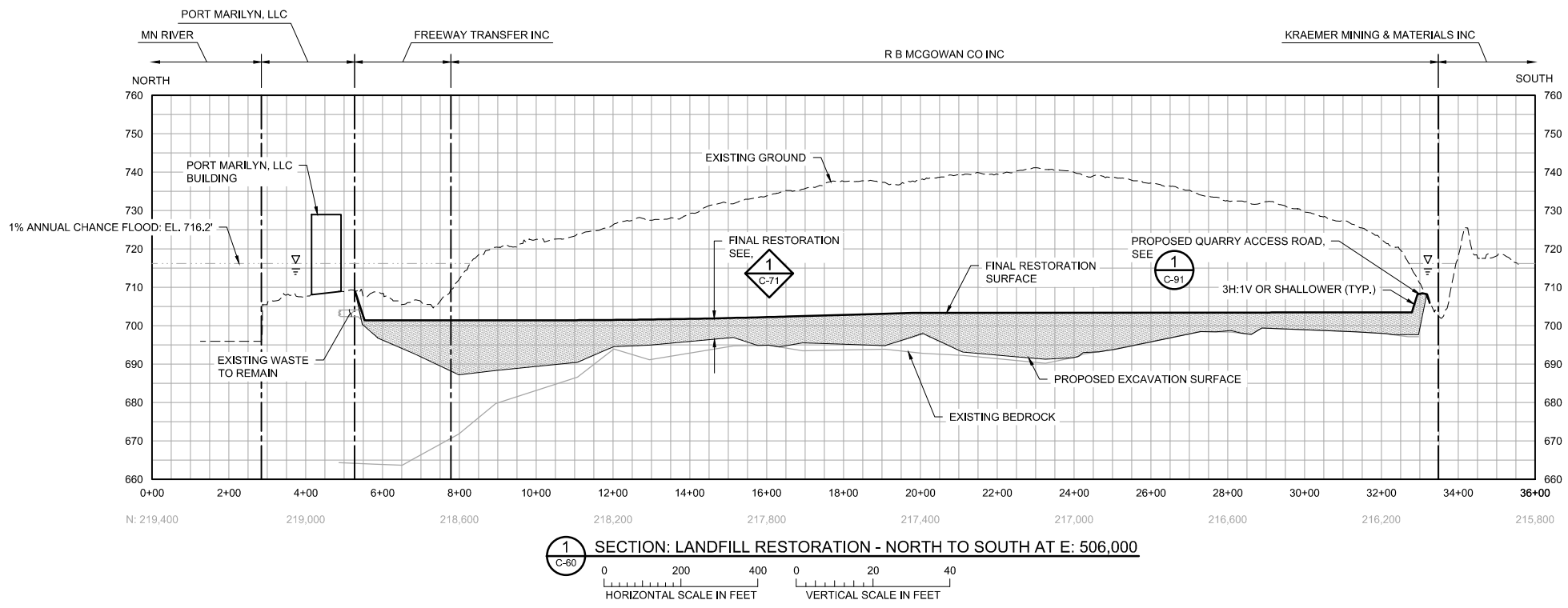
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		RELEASED TO/FOR A B C 0 1 2 3		DATE RELEASED				CLIENT PROJECT No. _____		LANDFILL RESTORATION NORTH-SOUTH SECTIONS 1 OF 2 DWG. No. C-61 REV. No. B	



**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- PROPOSED EXCAVATION SURFACE
- PROPOSED RESTORATION SURFACE
- █ PROPOSED COMMON FILL
- ▨ EXISTING WASTE TO REMAIN



**NOTES**

1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATION 31 23 00.
4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
6. EARTHWORK ACTIVITIES TO STOP AT PORT MARILYN, LLC PROPERTY ADJACENT TO BUILDINGS AND INFRASTRUCTURE, UNLESS OTHERWISE DIRECTED BY OWNER.
7. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER, SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
8. MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. SEE SHEET C-70 FOR ADDITIONAL INFORMATION.

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NOT FOR CONSTRUCTION  
06/30/2022

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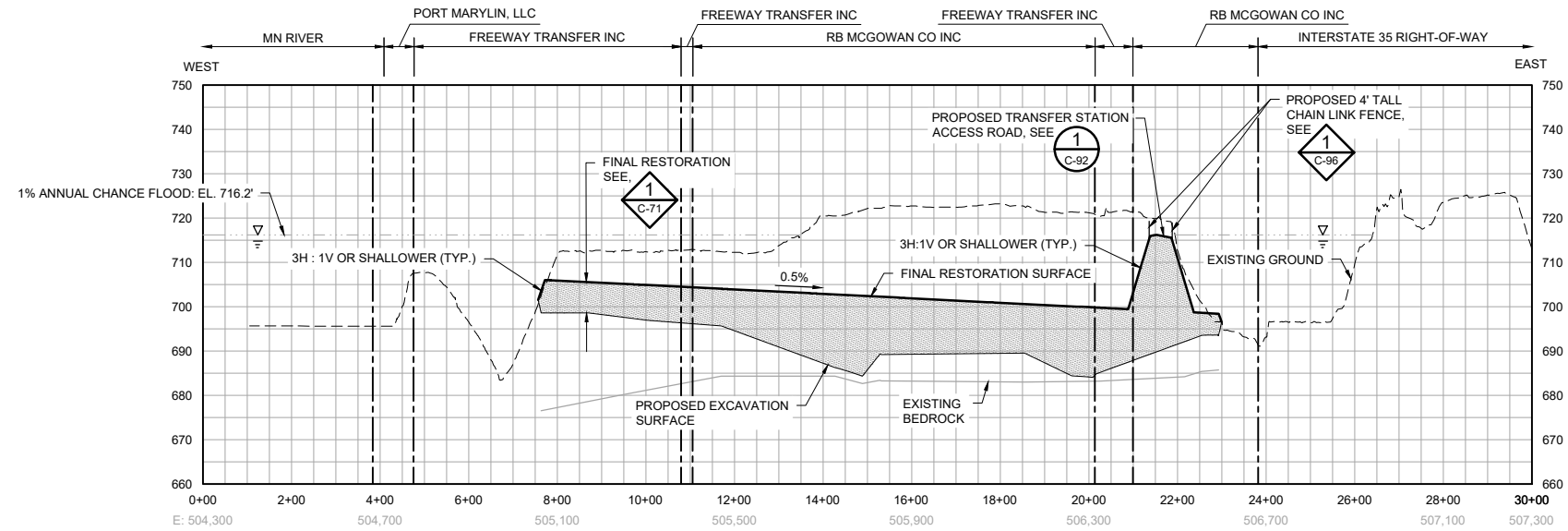
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT		03/12/21 06/30/22		Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com		Scale		AS SHOWN		FREEWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA LANDFILL RESTORATION NORTH-SOUTH SECTIONS 2 OF 2		BARR PROJECT No.		23/19-1372.00	
		CONSTRUCTION						Date		01/23/2020				Client PROJECT No.			
PRINTED NAME		RELEASED TO/FOR		DATE RELEASED		Checked		BDP		DWG. No.		REV. No.					
SIGNATURE		A		B		Designed		BARR		C-62		B					
DATE		C		0		Approved											
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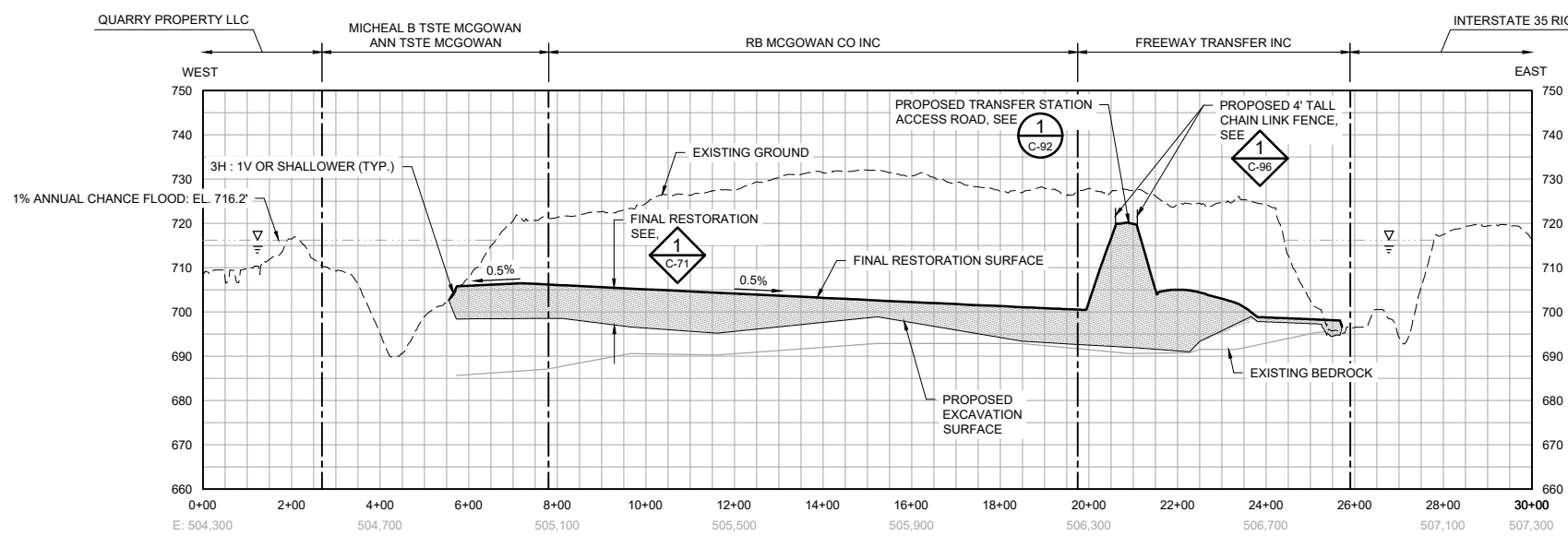


**LEGEND**

- EXISTING PROPERTY LINE
- - - EXISTING GROUND
- EXISTING BEDROCK
- - - 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- PROPOSED EXCAVATION SURFACE
- PROPOSED RESTORATION SURFACE
- █ PROPOSED COMMON FILL
- ▨ EXISTING WASTE TO REMAIN



**1 SECTION: LANDFILL RESTORATION - WEST TO EAST AT N: 218,400**  
 C-60  
 0 200 400 0 20 40  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET



**2 SECTION: LANDFILL RESTORATION - WEST TO EAST AT N: 218,000**  
 C-60  
 0 200 400 0 20 40  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

**NOTES**

1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATION 31 23 00.
4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
6. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
7. MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. SEE SHEET C-70 FOR ADDITIONAL INFORMATION.

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 NOT FOR CONSTRUCTION  
 06/30/2022

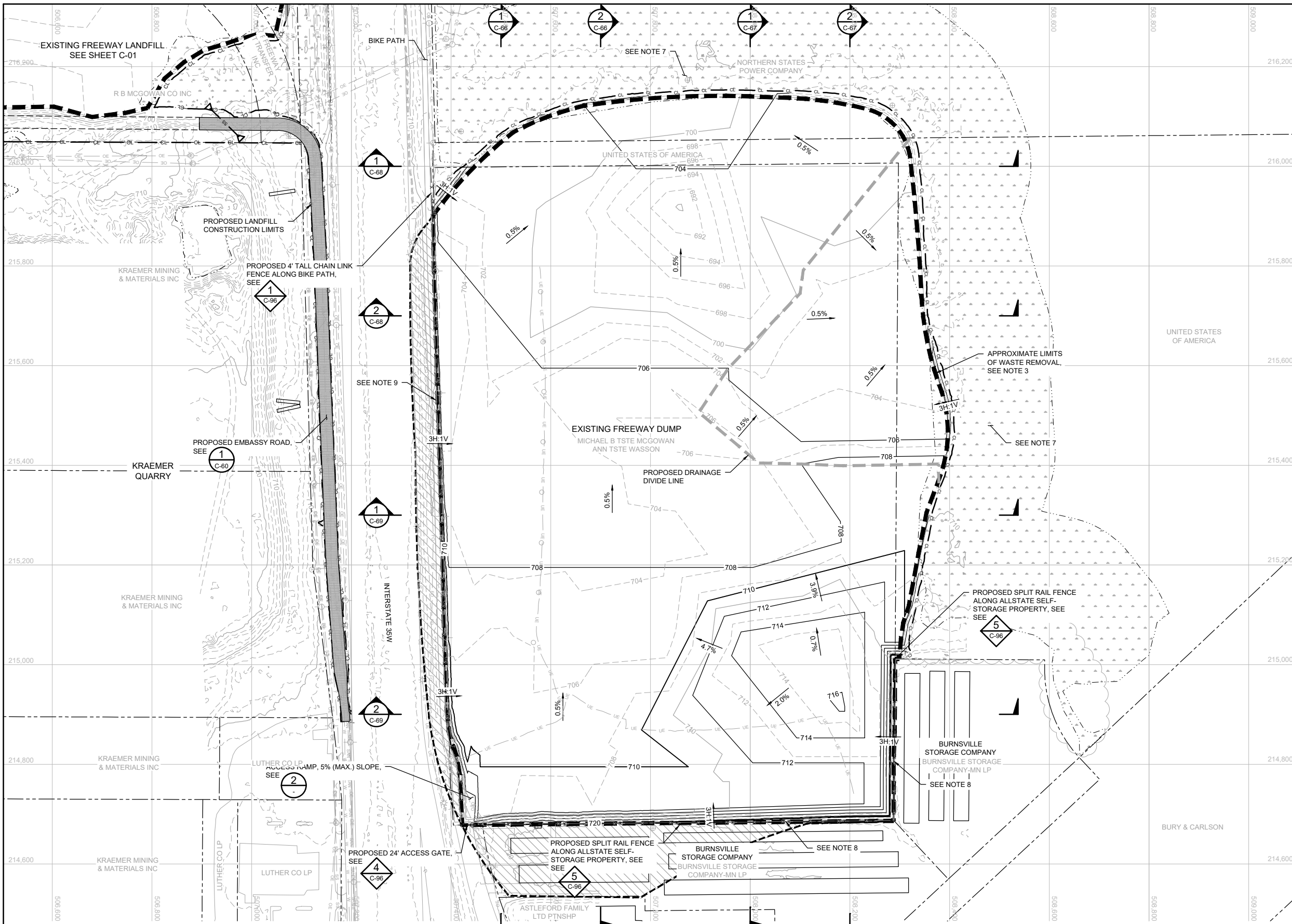
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					RELEASED TO/FOR A B C 0 1 2 3			DATE RELEASED						Date 01/23/2020				CLIENT PROJECT No.	
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION				Checked BDP		DWG. No. C-63		REV. No. B						
									Drawn ZJN										
									Designed BARR										
									Approved -										



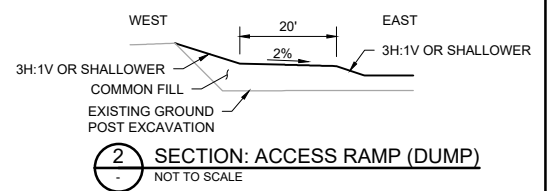






**LEGEND**

- CL CL CONSTRUCTION LIMITS
- PROPERTY BOUNDARY
- - - - - EXISTING WATERLINE (2020-06-12)
- 710 EXISTING 10-FOOT CONTOUR
- EXISTING 2-FOOT CONTOUR
- OE OE EXISTING OVERHEAD ELECTRIC
- UE UE EXISTING UNDERGROUND ELECTRIC
- W W EXISTING POTABLE
- SS SS EXISTING STORM
- SAN SAN EXISTING SANITARY
- X X EXISTING CHAIN LINK FENCE
- EXISTING TREE LINE
- APPROXIMATE LIMITS OF WASTE REMOVAL
- APPROXIMATE LIMITS OF WASTE TO REMAIN
- EXISTING BUILDING
- WETLANDS
- EXISTING BITUMINOUS PAVEMENT
- EXISTING GRAVEL PAVEMENT
- EXISTING MONITORING WELL
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING WATER MANHOLE
- EXISTING GATE VALVE
- EXISTING STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- 710 PROPOSED 10-FOOT CONTOUR
- 712 PROPOSED 2-FOOT CONTOUR
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL PAVEMENT
- PROPOSED DRAINAGE DIVIDE LINE
- PROPOSED CHAIN LINK FENCE
- PROPOSED SPLIT RAIL FENCE
- PROPOSED CULVERT
- PROPOSED GATE



- NOTES**
- EXISTING CONTOURS SHOWN REPRESENT EXISTING GROUND AFTER WASTE EXCAVATION HAS BEEN COMPLETED.
  - PROPOSED CONTOURS SHOWN REPRESENT TOP OF FINAL RESTORATION SURFACE.
  - THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  - PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  - SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00. SEE SHEET C-23 FOR MORE INFORMATION.
  - PROVIDE FENCES AND GATES PER SPECIFICATION 32 31 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  - EARTHWORK ACTIVITIES TO STOP AT ALLSTATE SELF-STORAGE PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  - MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

**1 PLAN: DUMP GENERAL ARRANGEMENT**

SCALE IN FEET

100% DRAFT  
NOT FOR CONSTRUCTION  
06/30/2022

CADD USER: Jack A. Mettich FILE: M:\DESIGN\23191372\062319137205_HAUL_C-65.DWG PLOT SCALE: 1:2 PLOT DATE: 06/28/2022 3:12 PM

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

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PRINTED NAME: _____  
SIGNATURE: _____  
DATE: _____ LICENSE # _____

CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	DATE RELEASED
03/12/21	06/30/22		A B C 0 1 2 3	

**BARR** ENGINEERING CO.  
4300 MARKETPOINTE DRIVE  
SUITE 200  
MINNEAPOLIS, MN 55435

Project Office:  
BARR ENGINEERING CO.  
4300 MARKETPOINTE DRIVE  
SUITE 200  
MINNEAPOLIS, MN 55435

Corporate Headquarters:  
Minneapolis, Minnesota  
Ph: 1-800-632-2277  
Ph: (952) 832-2601  
www.barr.com

Scale	AS SHOWN
Date	01/21/2020
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	

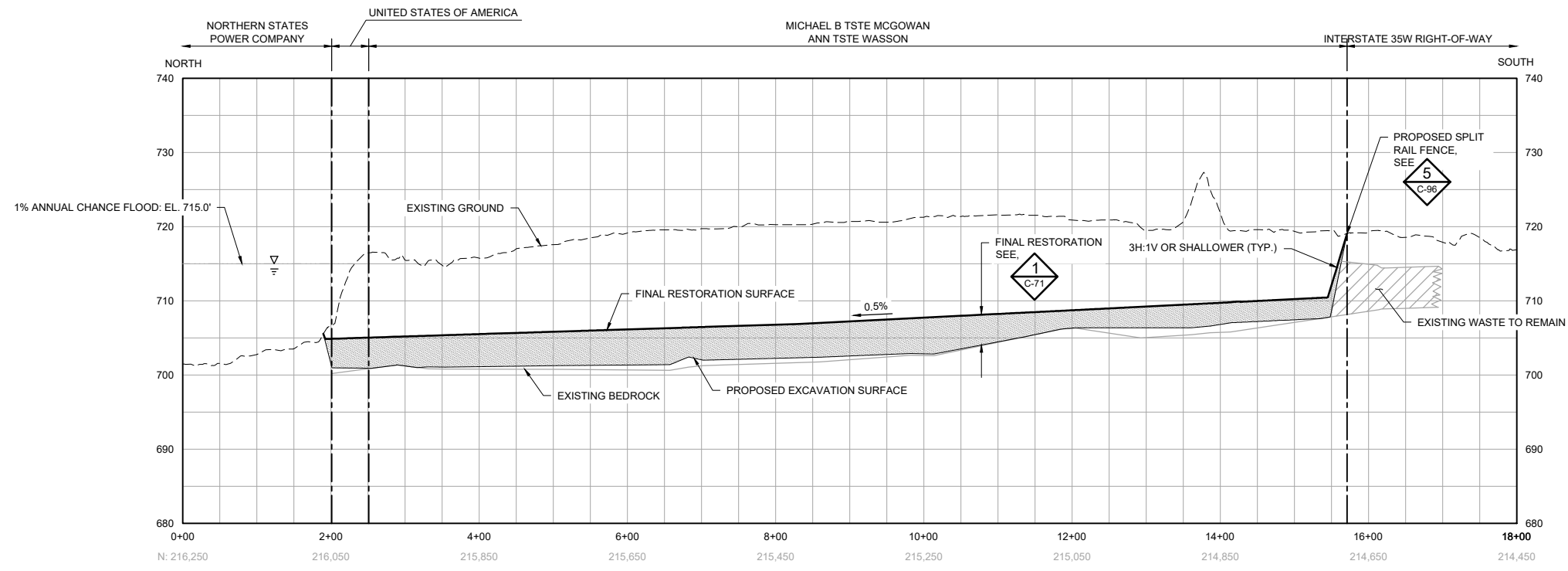


**FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL**  
BURNSVILLE, MINNESOTA

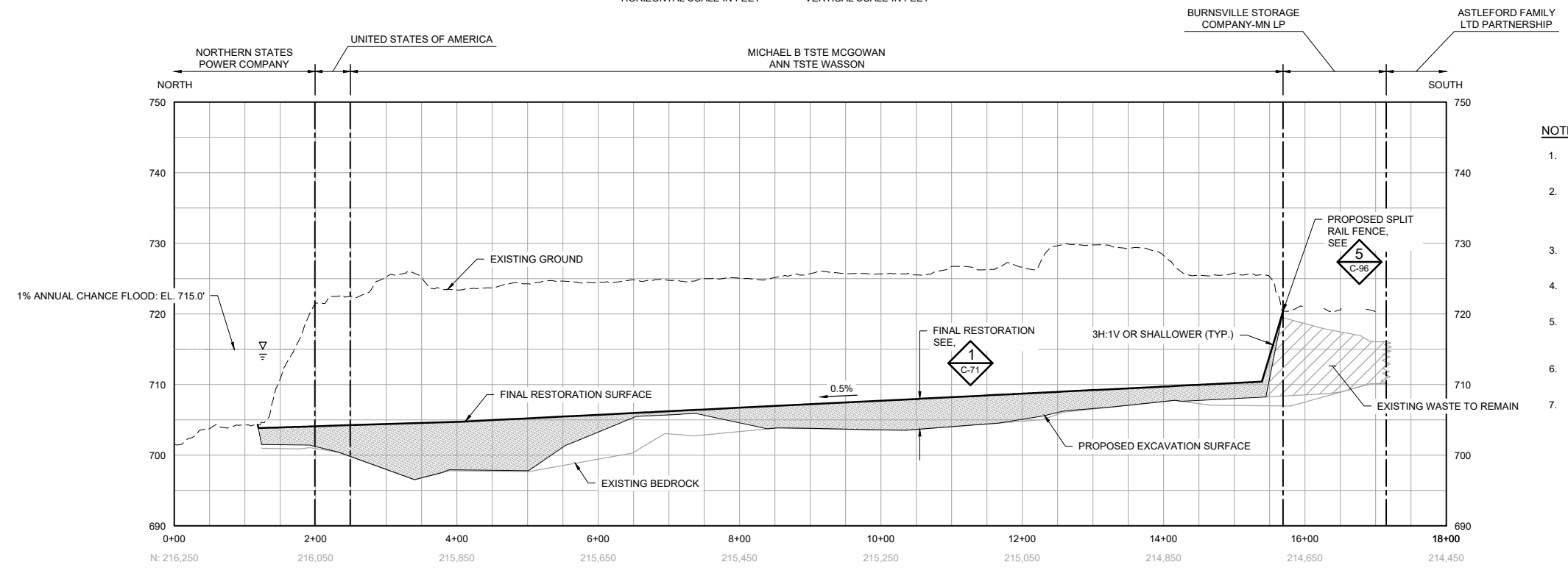
**DUMP GENERAL ARRANGEMENT**  
PLAN

BARR PROJECT No. 23/19-1372.00	
CLIENT PROJECT No.	
DWG. No. C-65	REV. No. B





**1 SECTION: DUMP RESTORATION- NORTH TO SOUTH AT E: 507,500**  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20



**2 SECTION: DUMP RESTORATION - NORTH TO SOUTH AT E: 507,700**  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20

**LEGEND**

---	EXISTING PROPERTY LINE
- - -	EXISTING GROUND
.....	EXISTING BEDROCK
---	1% ANNUAL CHANCE FLOOD: EL 715.0'
---	PROPOSED EXCAVATION SURFACE
---	PROPOSED RESTORATION SURFACE
█	PROPOSED COMMON FILL
▨	EXISTING WASTE TO REMAIN

- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  6. EARTHWORK ACTIVITIES TO STOP AT BURNSVILLE STORAGE COMPANY PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  7. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

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 06/30/2022

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

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PRINTED NAME: _____  
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CLIENT	03/12/21	06/30/22							
BID									
CONSTRUCTION									
RELEASED TO/FOR	A	B	C	0	1	2	3		
DATE RELEASED									

**BARR** ENGINEERING CO.  
 4300 MARKETPOINTE DRIVE  
 SUITE 200  
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Scale	AS SHOWN
Date	01/23/2020
Drawn	ZJN
Checked	BDP
Designed	BARR
Approved	-

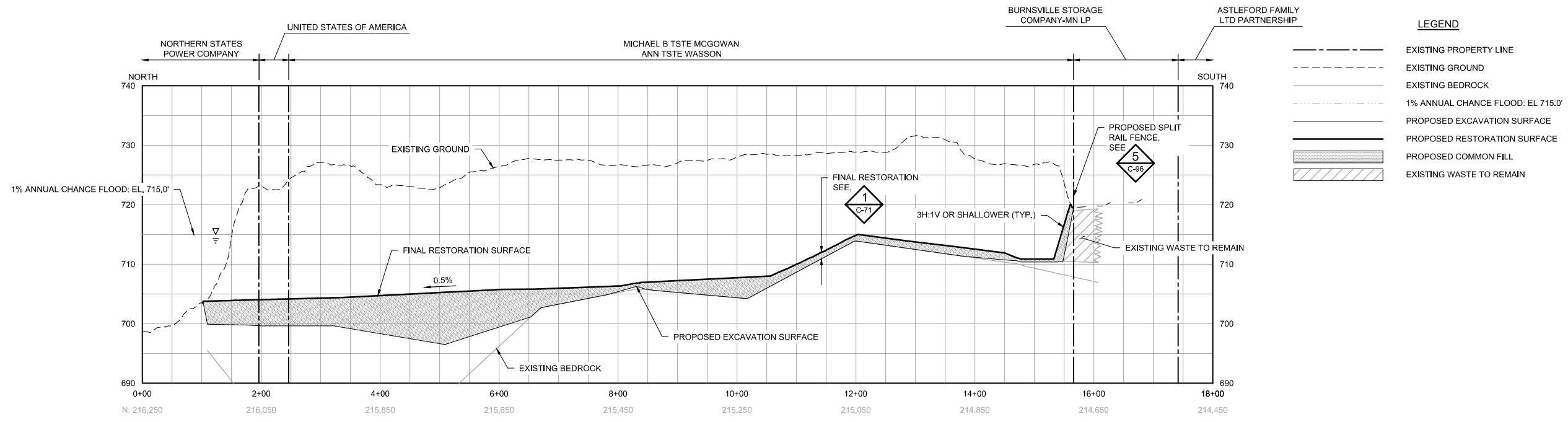


FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA

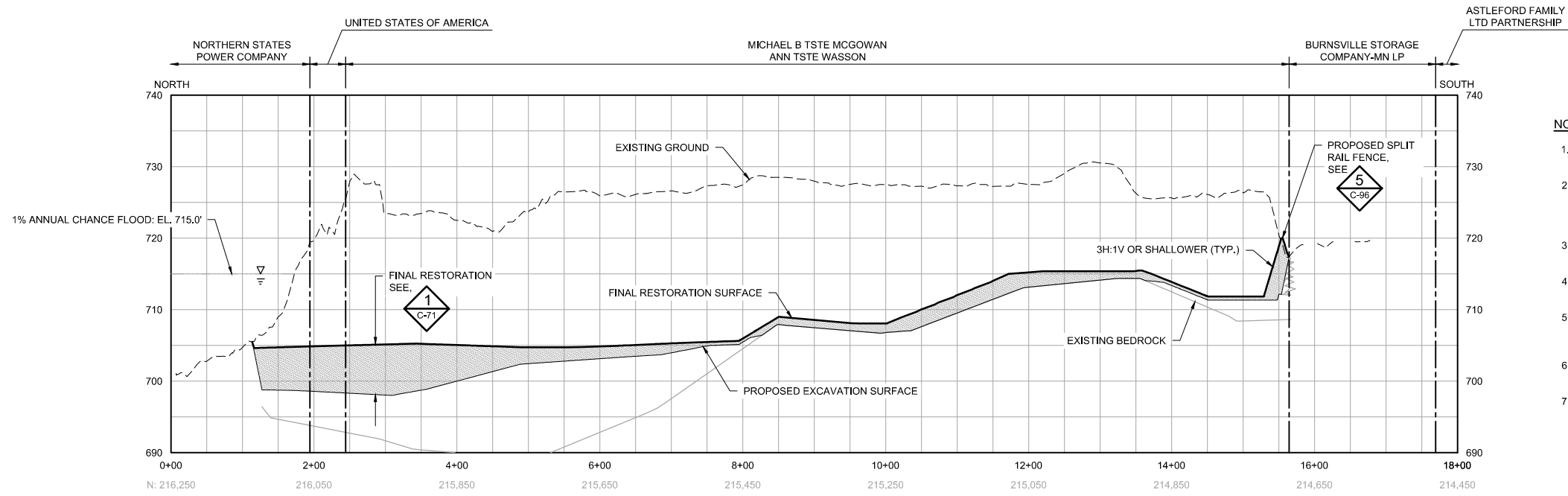
DUMP RESTORATION  
 NORTH-SOUTH SECTIONS 1 OF 2

BARR PROJECT No.	2319-1372.00
CLIENT PROJECT No.	
DWG. No.	C-66
REV. No.	B





**1 SECTION: DUMP RESTORATION - NORTH TO SOUTH AT E: 508,000**  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20



**2 SECTION: DUMP RESTORATION - NORTH TO SOUTH AT E: 508,200**  
 HORIZONTAL SCALE IN FEET: 0, 100, 200  
 VERTICAL SCALE IN FEET: 0, 10, 20

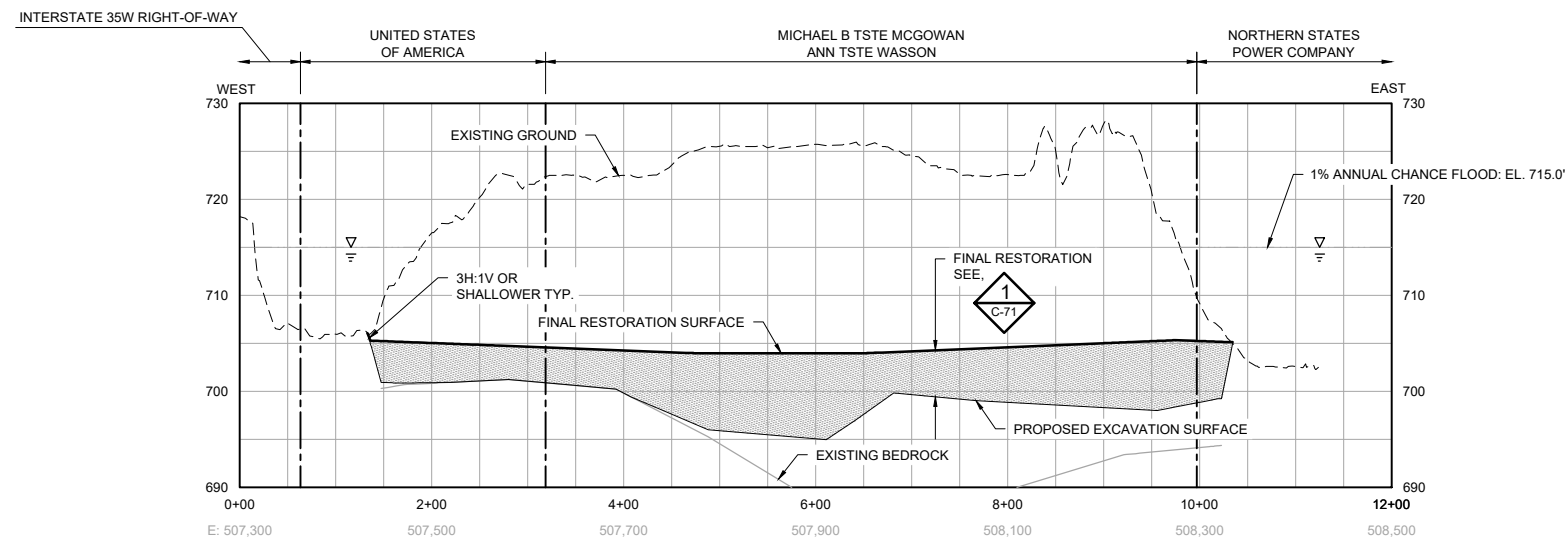
- NOTES**
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  7. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

100% DRAFT  
 NOT FOR CONSTRUCTION  
 06/30/2022

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION																		

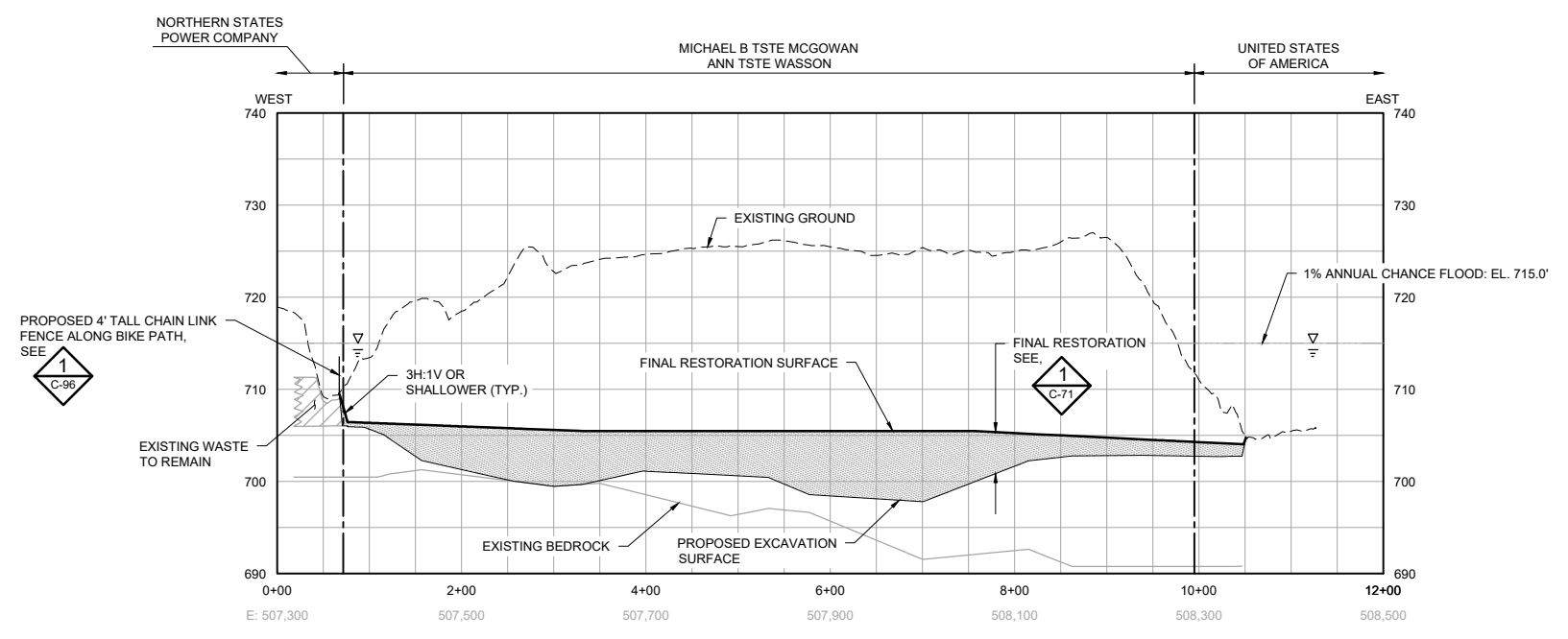




**1** SECTION: DUMP RESTORATION - WEST TO EAST AT N: 216,000  
 C-65  
 0 100 200 0 10 20  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

**LEGEND**

---	EXISTING PROPERTY LINE
- - - -	EXISTING GROUND
---	EXISTING BEDROCK
- · - · -	1% ANNUAL CHANCE FLOOD: EL. 715.0'
---	PROPOSED EXCAVATION SURFACE
---	PROPOSED RESTORATION SURFACE
▨	PROPOSED COMMON FILL
▨	EXISTING WASTE TO REMAIN



**2** SECTION: DUMP RESTORATION - WEST TO EAST AT N: 215,700  
 C-65  
 0 100 200 0 10 20  
 HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  6. EARTHWORK ACTIVITIES TO STOP AT BURNSVILLE STORAGE COMPANY PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  7. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

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 06/30/2022

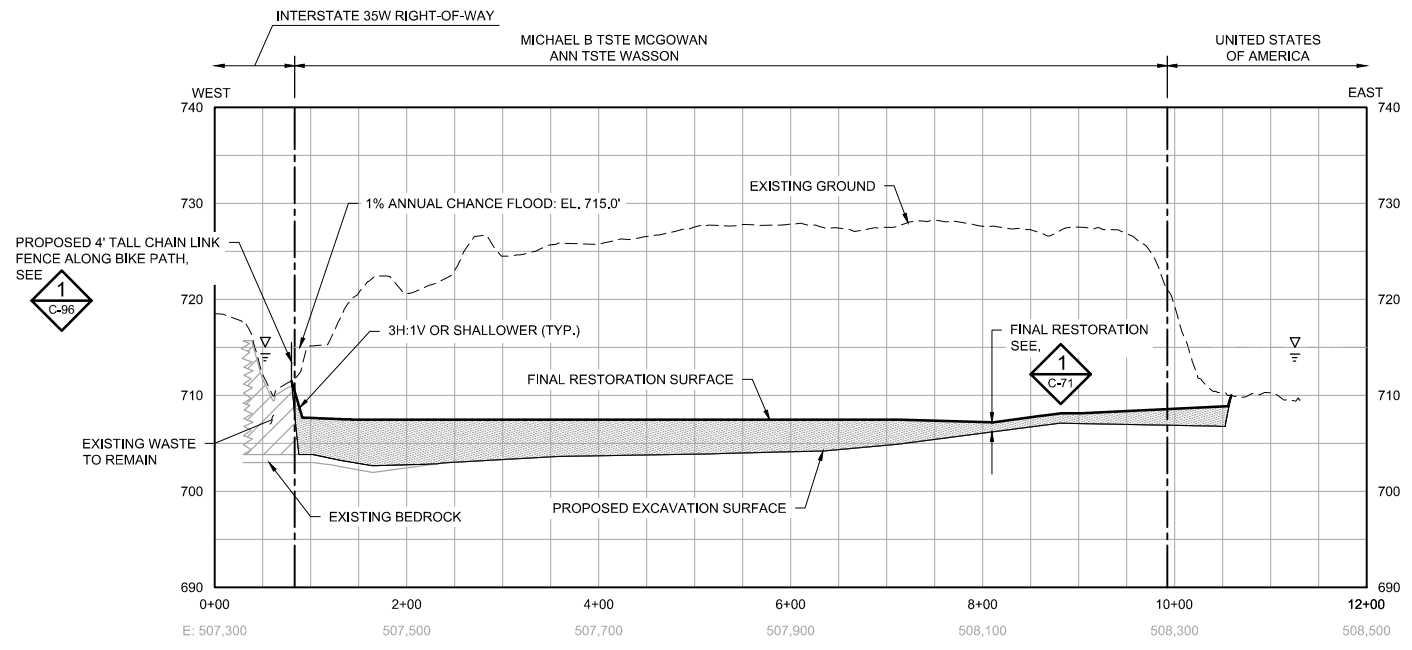
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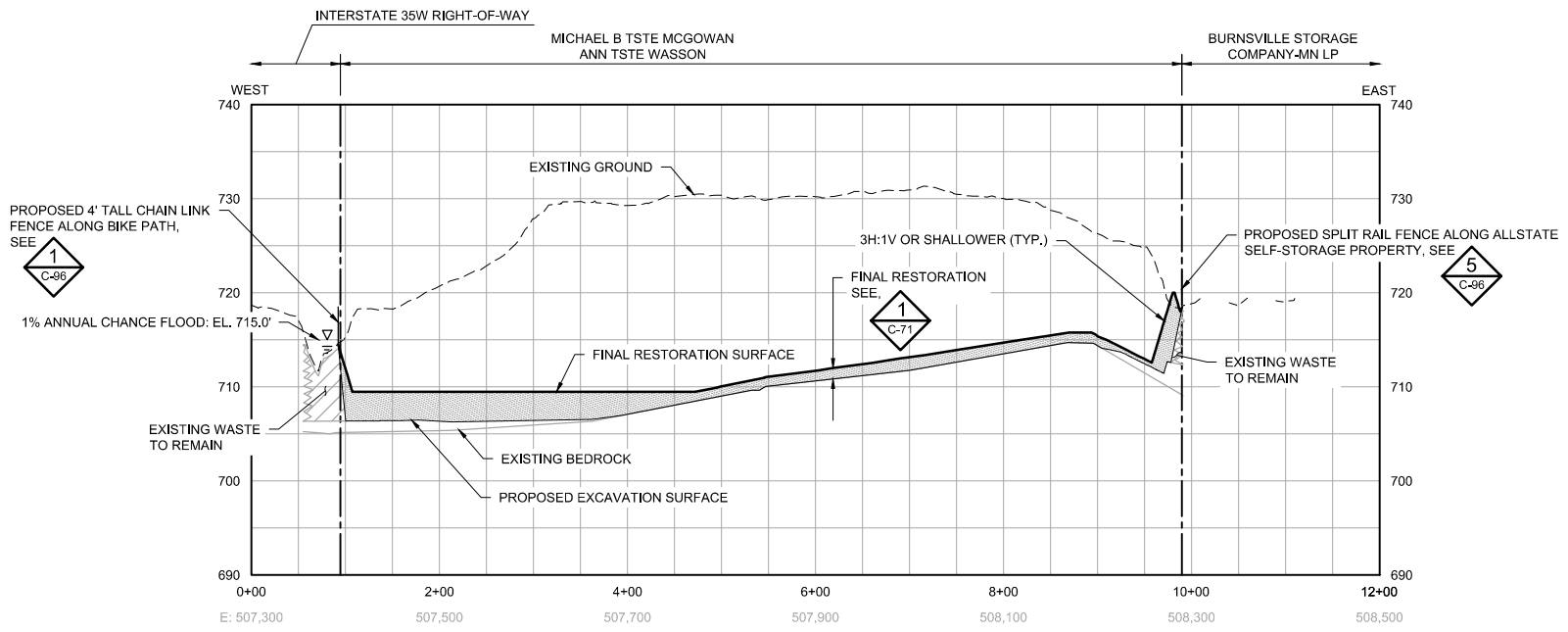




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**1 SECTION: DUMP RESTORATION - WEST TO EAST AT N: 215,300**  
 HORIZONTAL SCALE IN FEET: 0 100 200  
 VERTICAL SCALE IN FEET: 0 10 20



**2 SECTION: DUMP RESTORATION - WEST TO EAST AT N: 214,900**  
 HORIZONTAL SCALE IN FEET: 0 100 200  
 VERTICAL SCALE IN FEET: 0 10 20

**LEGEND**

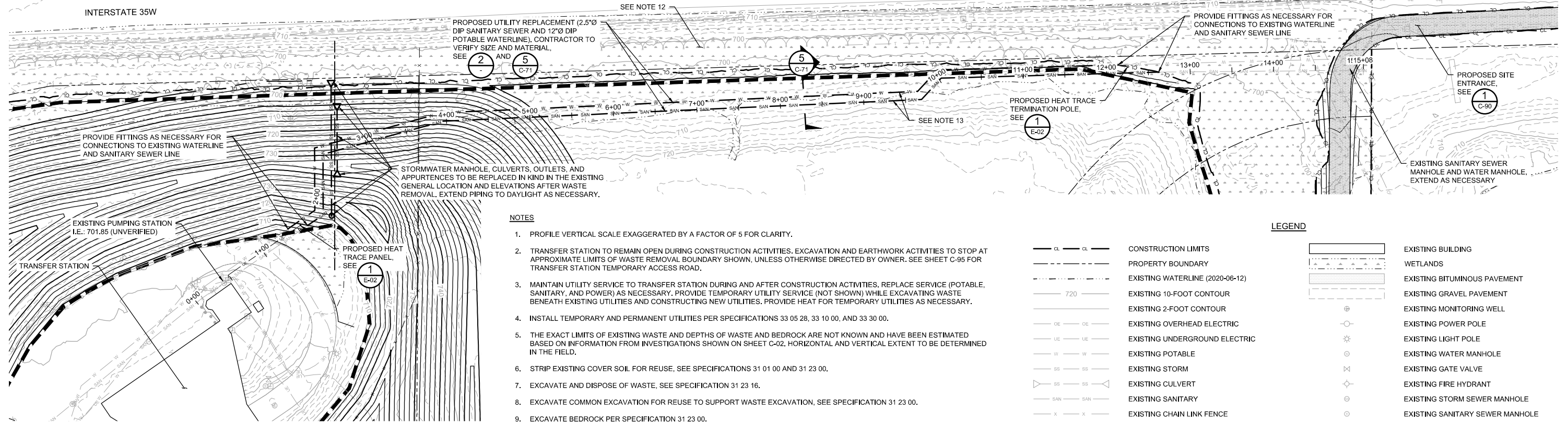
---	EXISTING PROPERTY LINE
- - - -	EXISTING GROUND
---	EXISTING BEDROCK
- . - . - .	1% ANNUAL CHANCE FLOOD: EL. 715.0'
---	PROPOSED EXCAVATION SURFACE
---	PROPOSED RESTORATION SURFACE
█	PROPOSED COMMON FILL
█	EXISTING WASTE TO REMAIN

- NOTES**
1. PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  2. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-05. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
  3. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  4. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  5. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-23.
  6. EARTHWORK ACTIVITIES TO STOP AT BURNSVILLE STORAGE COMPANY PROPERTY BOUNDARY, UNLESS OTHERWISE DIRECTED BY OWNER.
  7. MAINTAIN ACCESS TO BIKE PATH. BIKE PATH MAY NOT BE USED FOR CONSTRUCTION ACTIVITIES.

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					NO. BY CHK. APP. DATE REVISION DESCRIPTION										RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED:					<b>MINNESOTA POLLUTION CONTROL AGENCY</b>									





**NOTES**

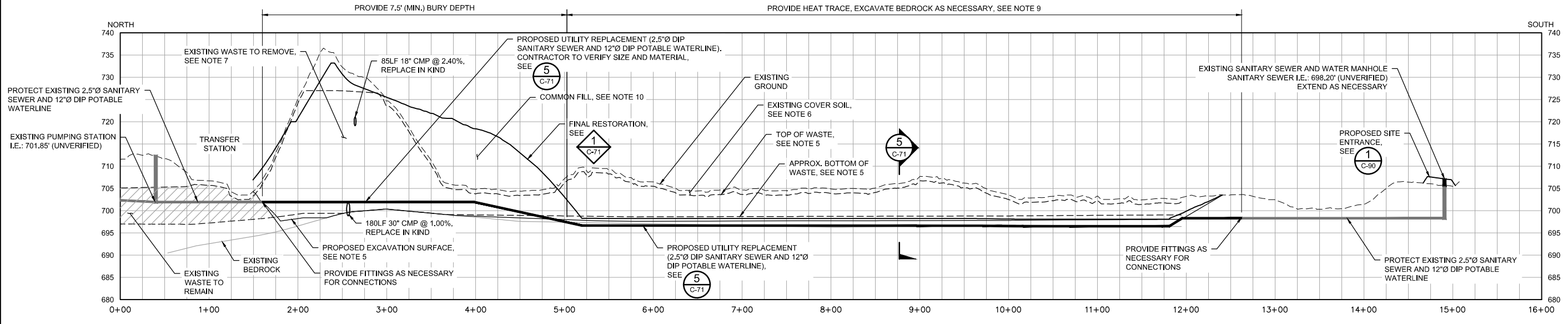
- PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 5 FOR CLARITY.
- TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
- MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. PROVIDE TEMPORARY UTILITY SERVICE (NOT SHOWN) WHILE EXCAVATING WASTE BENEATH EXISTING UTILITIES AND CONSTRUCTING NEW UTILITIES. PROVIDE HEAT FOR TEMPORARY UTILITIES AS NECESSARY.
- INSTALL TEMPORARY AND PERMANENT UTILITIES PER SPECIFICATIONS 33 05 28, 33 10 00, AND 33 30 00.
- THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
- STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
- EXCAVATE AND DISPOSE OF WASTE, SEE SPECIFICATION 31 23 16.
- EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
- EXCAVATE BEDROCK PER SPECIFICATION 31 23 00.
- PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
- SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
- PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
- INSTALL HEAT TRACE ALONG PROPOSED UTILITY REPLACEMENT, SEE SHEET C-71 AND E-02.

**LEGEND**

CL - CL	CONSTRUCTION LIMITS	[Symbol]	EXISTING BUILDING
---	PROPERTY BOUNDARY	[Symbol]	WETLANDS
---	EXISTING WATERLINE (2020-06-12)	[Symbol]	EXISTING BITUMINOUS PAVEMENT
720	EXISTING 10-FOOT CONTOUR	[Symbol]	EXISTING GRAVEL PAVEMENT
---	EXISTING 2-FOOT CONTOUR	[Symbol]	EXISTING MONITORING WELL
OE - OE	EXISTING OVERHEAD ELECTRIC	[Symbol]	EXISTING POWER POLE
UE - UE	EXISTING UNDERGROUND ELECTRIC	[Symbol]	EXISTING LIGHT POLE
W - W	EXISTING POTABLE	[Symbol]	EXISTING WATER MANHOLE
SS - SS	EXISTING STORM	[Symbol]	EXISTING GATE VALVE
SS - SS	EXISTING CULVERT	[Symbol]	EXISTING FIRE HYDRANT
SAN - SAN	EXISTING SANITARY	[Symbol]	EXISTING STORM SEWER MANHOLE
X - X	EXISTING CHAIN LINK FENCE	[Symbol]	EXISTING SANITARY SEWER MANHOLE
[Symbol]	EXISTING TREE LINE	[Symbol]	PROPOSED POTABLE
[Symbol]	APPROXIMATE LIMITS OF WASTE REMOVAL	[Symbol]	PROPOSED CULVERT
[Symbol]	APPROXIMATE LIMITS OF WASTE TO REMAIN	[Symbol]	PROPOSED SANITARY
W - W	PROPOSED POTABLE	[Symbol]	PROPOSED UNDERGROUND ELECTRIC
SS - SS	PROPOSED CULVERT	[Symbol]	PROPOSED BITUMINOUS PAVEMENT
SAN - SAN	PROPOSED SANITARY	[Symbol]	
UE - UE	PROPOSED UNDERGROUND ELECTRIC	[Symbol]	
[Symbol]	PROPOSED BITUMINOUS PAVEMENT	[Symbol]	

**1 PLAN: UTILITY REPLACEMENT**

0 60 120  
SCALE IN FEET



**2 PROFILE: UTILITY REPLACEMENT**

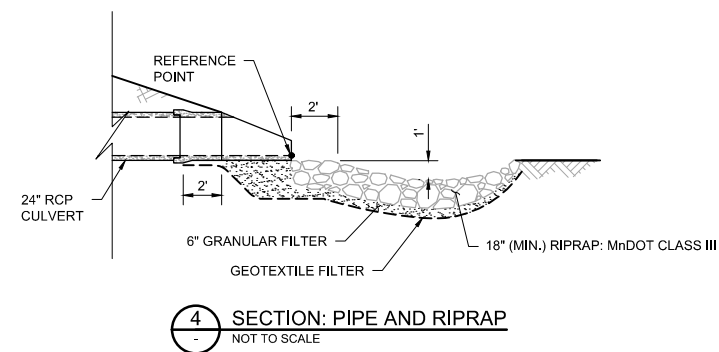
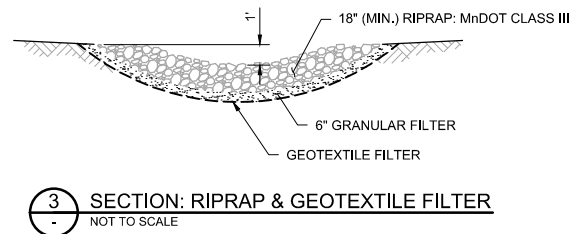
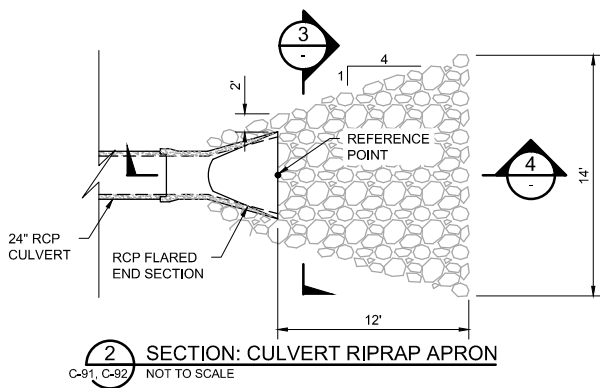
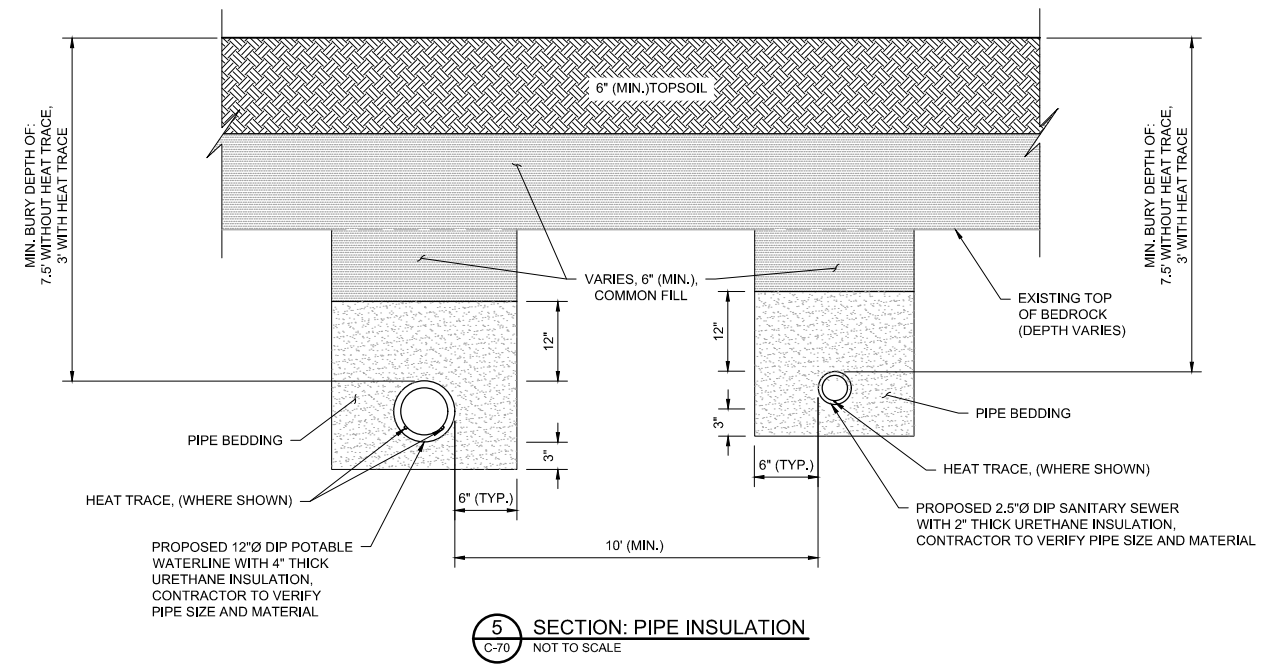
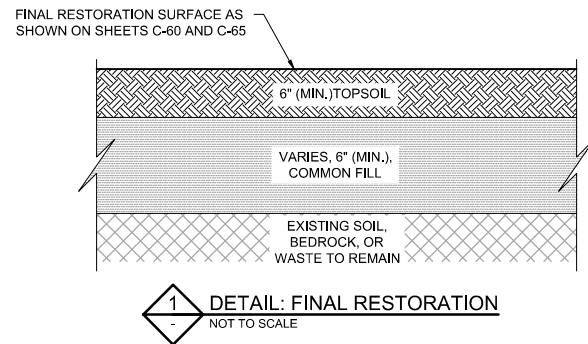
0 60 120 0 12 24  
HORIZONTAL SCALE IN FEET VERTICAL SCALE IN FEET

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PRINTED NAME SIGNATURE DATE LICENSE #				RELEASED TO/FOR DATE RELEASED				A B C 0 1 2 3				DWG. No. C-70 REV. No. B											
NO. BY CHK. APP. DATE REVISION DESCRIPTION												MINNESOTA POLLUTION CONTROL AGENCY											





**NOTES**

- EXCAVATE COMMON EXCAVATION FOR REUSE TO SUPPORT WASTE EXCAVATION, SEE SPECIFICATION 31 23 00.
- EXCAVATE BEDROCK PER SPECIFICATION 31 23 00.
- MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY. PROVIDE TEMPORARY UTILITY SERVICE (NOT SHOWN) WHILE EXCAVATING WASTE BENEATH EXISTING UTILITIES AND CONSTRUCTING NEW UTILITIES. PROVIDE HEAT FOR TEMPORARY UTILITIES AS NECESSARY.
- INSTALL TEMPORARY AND PERMANENT UTILITIES PER SPECIFICATIONS 33 05 28, 33 10 00, AND 33 30 00.
- PLACE COMMON FILL, GRANULAR FILTER, PIPE BEDDING, AND TOPSOIL PER SPECIFICATION 31 23 00.
- SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
- INSTALL RCP CULVERT PER SPECIFICATION 33 05 28 AND 33 40 00.
- INSTALL GEOTEXTILE PER SPECIFICATION 31 05 19.13.
- PLACE RIPRAP PER SPECIFICATION 31 37 00.

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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR		A	B		C	0	1	2	3	DATE RELEASED	CLIENT PROJECT No.

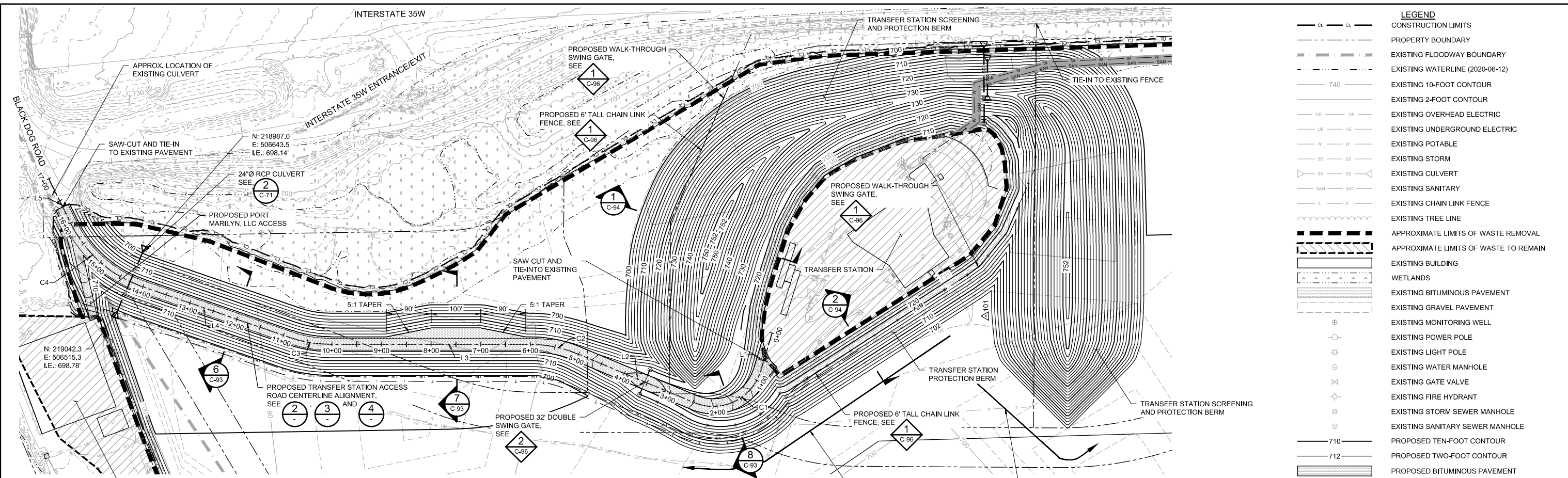










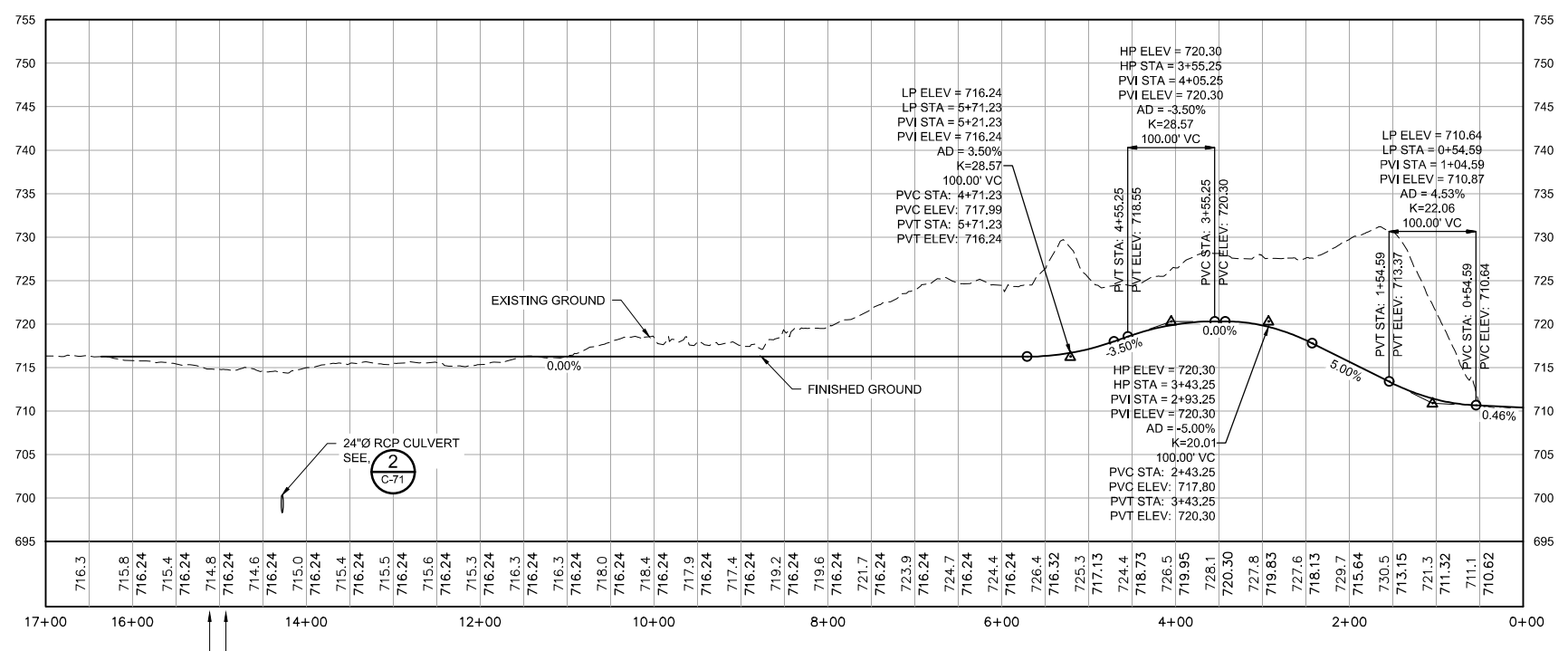


**LEGEND**

CL	CL	CONSTRUCTION LIMITS
---	---	PROPERTY BOUNDARY
- - - -	- - - -	EXISTING FLOODWAY BOUNDARY
- - - -	- - - -	EXISTING WATERLINE (2020-06-12)
---	---	EXISTING 10-FOOT CONTOUR
---	---	EXISTING 2-FOOT CONTOUR
---	---	EXISTING OVERHEAD ELECTRIC
---	---	EXISTING UNDERGROUND ELECTRIC
---	---	EXISTING POTABLE
---	---	EXISTING STORM
---	---	EXISTING CULVERT
---	---	EXISTING SANITARY
---	---	EXISTING CHAIN LINK FENCE
---	---	EXISTING TREE LINE
---	---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	---	EXISTING BUILDING
---	---	WETLANDS
---	---	EXISTING BITUMINOUS PAVEMENT
---	---	EXISTING GRAVEL PAVEMENT
---	---	EXISTING MONITORING WELL
---	---	EXISTING POWER POLE
---	---	EXISTING LIGHT POLE
---	---	EXISTING WATER MANHOLE
---	---	EXISTING GATE VALVE
---	---	EXISTING FIRE HYDRANT
---	---	EXISTING STORM SEWER MANHOLE
---	---	EXISTING SANITARY SEWER MANHOLE
---	---	PROPOSED TEN-FOOT CONTOUR
---	---	PROPOSED TWO-FOOT CONTOUR
---	---	PROPOSED BITUMINOUS PAVEMENT
---	---	PROPOSED CHAIN LINK FENCE
---	---	PROPOSED CULVERT
---	---	PROPOSED GATE

**1 PLAN: TRANSFER STATION ACCESS ROAD AND SCREENING BERM**

SCALE IN FEET



**2 PROFILE: TRANSFER STATION ACCESS ROAD**

HORIZONTAL SCALE IN FEET

VERTICAL SCALE IN FEET

**TRANSFER STATION ACCESS ROADWAY LINE DATA**

LINE #	LENGTH	START	END	START STATION	END STATION
L1	80.05'	N 217719.5500 E 506475.8784	N 217742.5494 E 506399.2037	0+00.00	0+80.05
L2	254.06'	N 217876.9702 E 506335.7006	N 218111.2979 E 506433.8611	2+47.66	5+01.71
L3	402.49'	N 218207.8908 E 506453.2753	N 218610.3825 E 506453.2753	6+00.89	10+03.38
L4	315.98'	N 218691.9893 E 506466.9697	N 218990.6607 E 506570.1141	10+86.51	14+02.49
L5	101.78'	N 219133.4385 E 506696.1855	N 219178.3181 E 506787.5390	15+97.90	16+99.68

**3 TABLE: TRANSFER STATION ACCESS ROAD ALIGNMENT LINE DATA**

**TRANSFER STATION ACCESS ROADWAY CURVE TABLE**

CURVE #	RADIUS	LENGTH	START	END	PI
C1	100.00'	'167.61'	N 217742.5494 E 506399.2037	N 217876.9702 E 506335.7006	N 217774.4764 E 506292.7658
C2	250.00'	'99.17'	N 218111.2979 E 506433.8611	N 218207.8908 E 506453.2753	N 218157.6433 E 506453.2753
C3	250.00'	'83.13'	N 218610.3825 E 506453.2753	N 218691.9893 E 506466.9697	N 218652.3349 E 506453.2753
C4	250.00'	'195.41'	N 218990.6607 E 506570.1141	N 219133.4385 E 506696.1855	N 219088.0209 E 506603.7369

**4 TABLE: TRANSFER STATION ACCESS ROAD ALIGNMENT CURVE DATA**

- NOTES**
- EXISTING CONTOURS SHOWN REPRESENT EXISTING GROUND AFTER WASTE EXCAVATION HAS BEEN COMPLETED.
  - PROFILE VERTICAL SCALE EXAGGERATED BY A FACTOR OF 10 FOR CLARITY.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES, EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY, SEE SHEET C-70 FOR ADDITIONAL INFORMATION.
  - PROVIDE FENCES AND GATES PER SPECIFICATION 32 31 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.
  - COORDINATE TIMING WITH PORT MARILYN, LLC FOR CONSTRUCTION ACTIVITIES THAT WOULD LIMIT THEIR ACCESS.

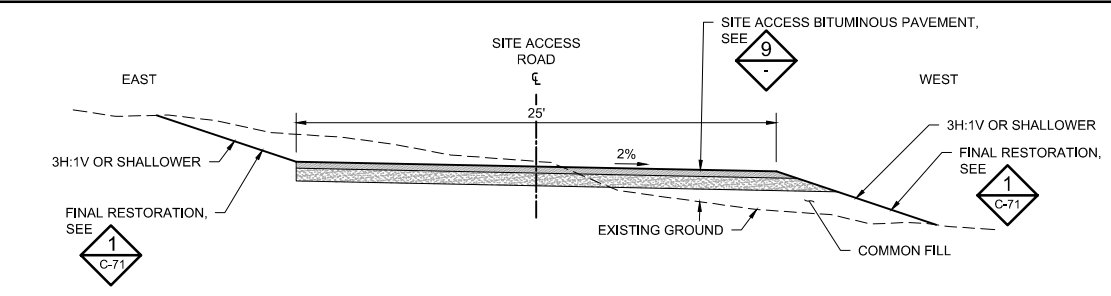
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PRINTED NAME: _____ SIGNATURE: _____ DATE: _____ LICENSE # _____				RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED:				Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE SUITE 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com				TRANSFER STATION ACCESS ROAD PLAN AND PROFILE DWG. No. C-92 REV. No. B			

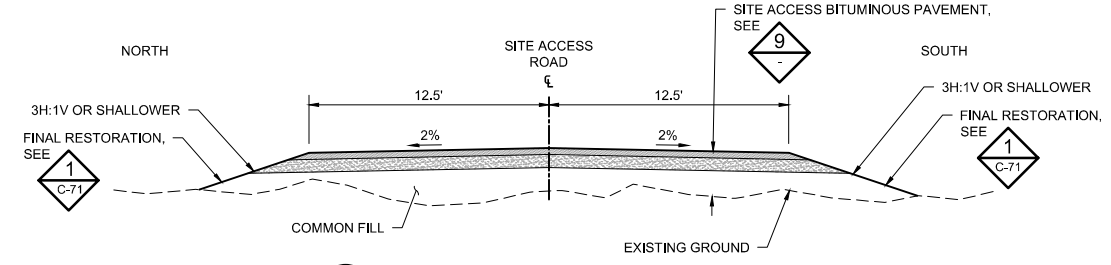
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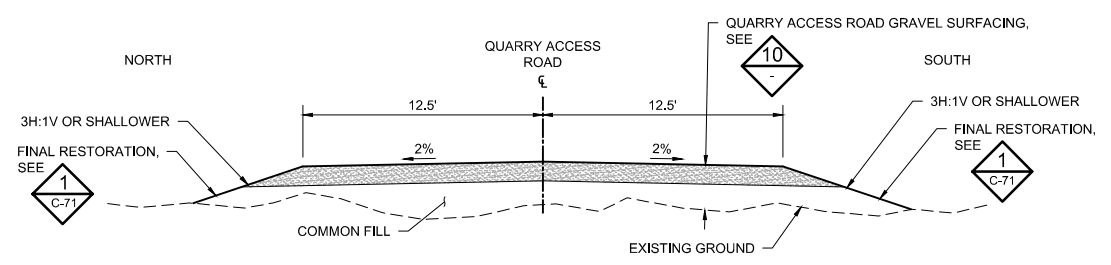
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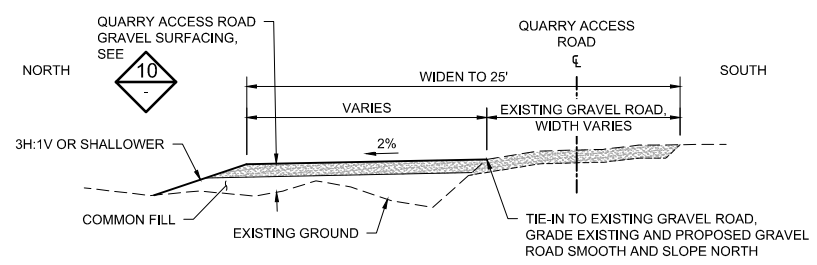
**1 SECTION: SITE ACCESS - MONOSLOPE (TYP.)**  
C-90 NOT TO SCALE



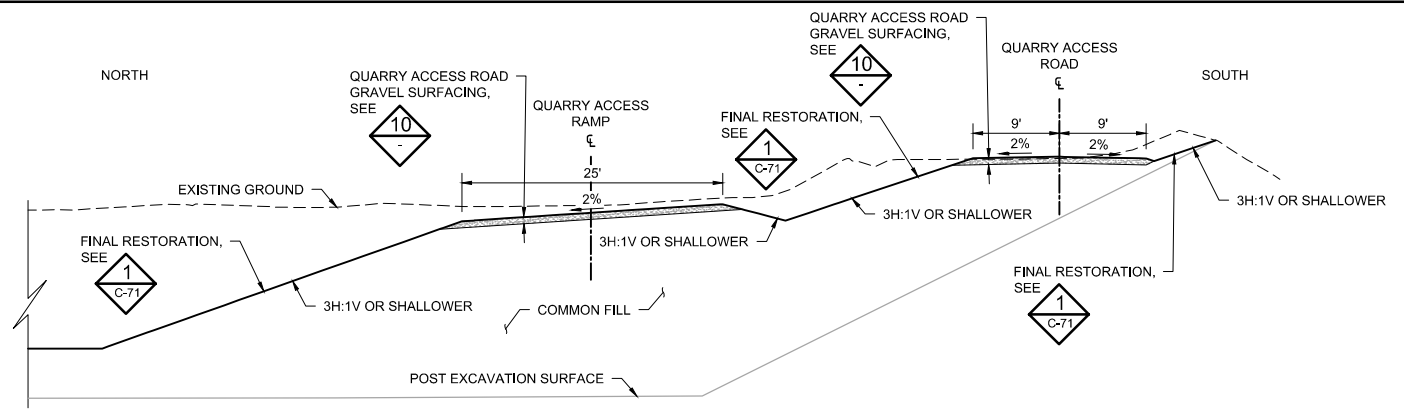
**2 SECTION: SITE ACCESS - CROWNED (TYP.)**  
C-91 NOT TO SCALE



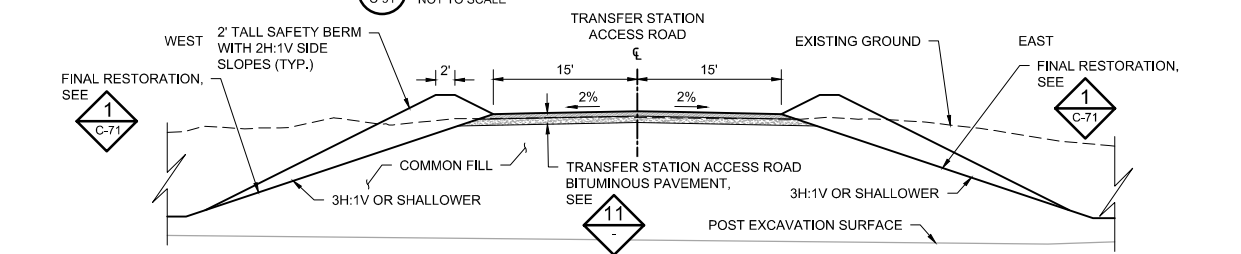
**3 SECTION: QUARRY ACCESS ROAD (TYP.)**  
C-91 NOT TO SCALE



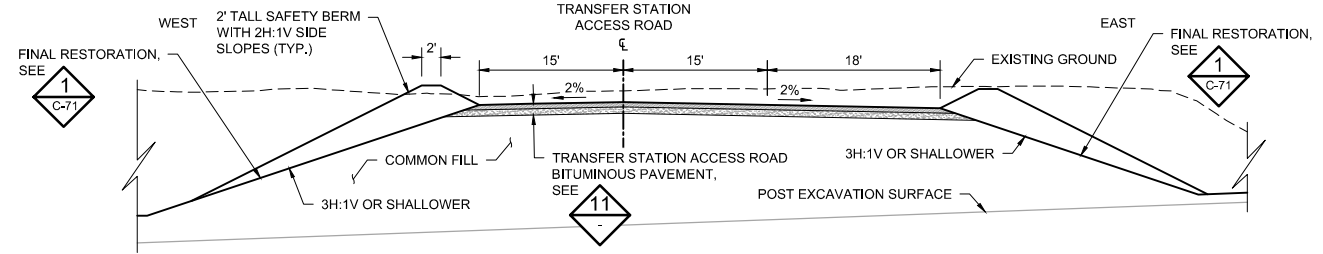
**4 SECTION: QUARRY ACCESS ROAD WIDENING (TYP.)**  
C-91 NOT TO SCALE



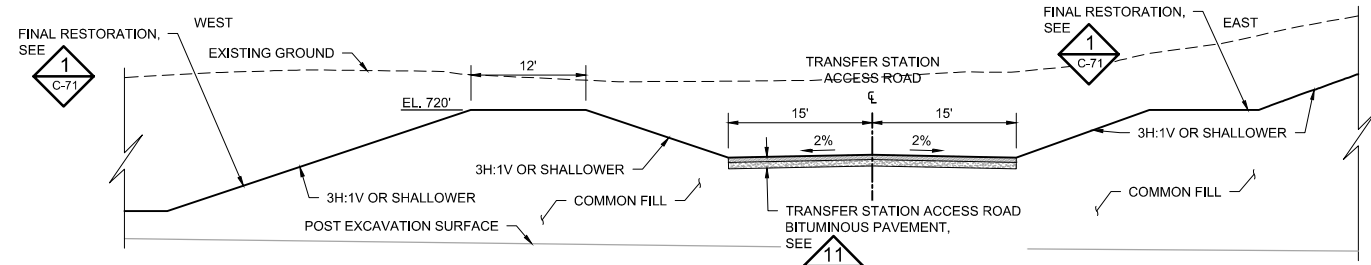
**5 SECTION: QUARRY ACCESS ROAD AND RAMP (TYP.)**  
C-91 NOT TO SCALE



**6 SECTION: TRANSFER STATION ACCESS ROAD (TYP.)**  
C-92 NOT TO SCALE

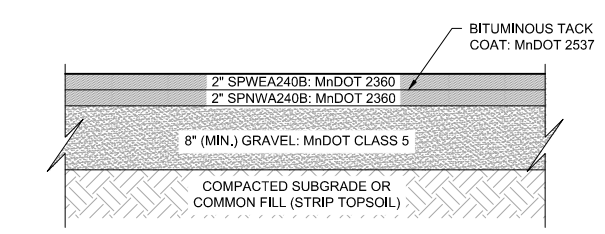


**7 SECTION: TRANSFER STATION ACCESS ROAD WITH PULL OVER LANE (TYP.)**  
C-92 NOT TO SCALE

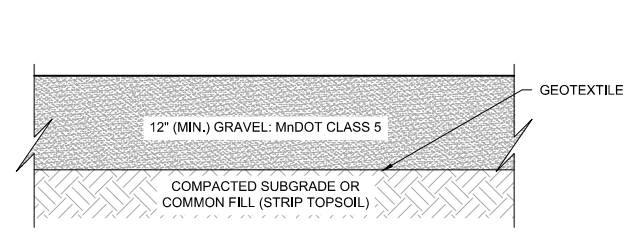


**8 SECTION: TRANSFER STATION ACCESS ROAD WITH PROTECTION BERMS (TYP.)**  
C-92 NOT TO SCALE

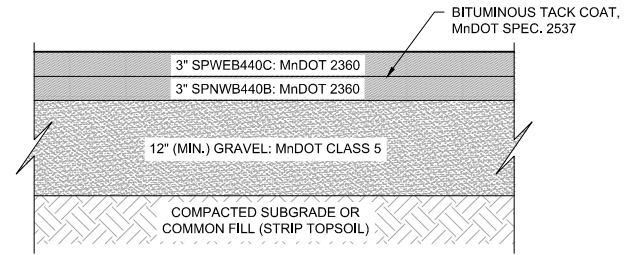
- NOTES**
- TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. PROVIDE TEMPORARY TRANSFER STATION ACCESS ROAD PRIOR TO REMOVING EXISTING TRANSFER STATION ACCESS ROAD. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
  - STRIP EXISTING COVER SOIL FOR REUSE, SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  - PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET 71 AND SPECIFICATION 31 23 00.
  - PLACE BITUMINOUS PAVEMENT AND GRAVEL SURFACING PER SPECIFICATION 32 10 00.
  - SEED, MULCH, AND FERTILIZE ALL AREA DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.



**9 DETAIL: SITE ACCESS BITUMINOUS PAVEMENT**  
NOT TO SCALE



**10 DETAIL: QUARRY ACCESS ROAD GRAVEL SURFACING**  
NOT TO SCALE



**11 DETAIL: TRANSFER STATION ACCESS ROAD BITUMINOUS PAVEMENT**  
NOT TO SCALE

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PRINTED NAME _____		RELEASED TO/FOR	A	B	C	0	1	2	3											
SIGNATURE _____		DATE RELEASED																		
DATE _____ LICENSE # _____																				

Project Office:  
**BARR ENGINEERING CO.**  
 4300 MARKETPOINTE DRIVE  
 Suite 200  
 MINNEAPOLIS, MN 55435  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

Scale: AS SHOWN  
 Date: 01/21/2020  
 Drawn: AWT  
 Checked: BDP  
 Designed: BARR  
 Approved: _____

**MINNESOTA POLLUTION CONTROL AGENCY**

FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA

ROAD SECTIONS AND DETAILS

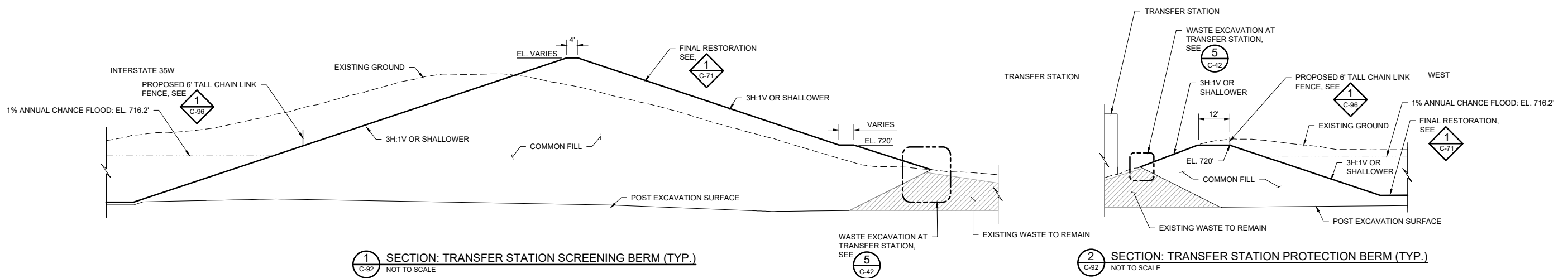
BARR PROJECT No. 23/19-1372.00  
 CLIENT PROJECT No. _____  
 DWG. No. C-93  
 REV. No. B

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 06/30/2022



**LEGEND**

- EXISTING GROUND
- 1% ANNUAL CHANCE FLOOD: EL. 716.2'
- PROPOSED EXCAVATION SURFACE
- PROPOSED RESTORATION SURFACE



**1 SECTION: TRANSFER STATION SCREENING BERM (TYP.)**  
C-92 NOT TO SCALE

**2 SECTION: TRANSFER STATION PROTECTION BERM (TYP.)**  
C-92 NOT TO SCALE

**NOTES**

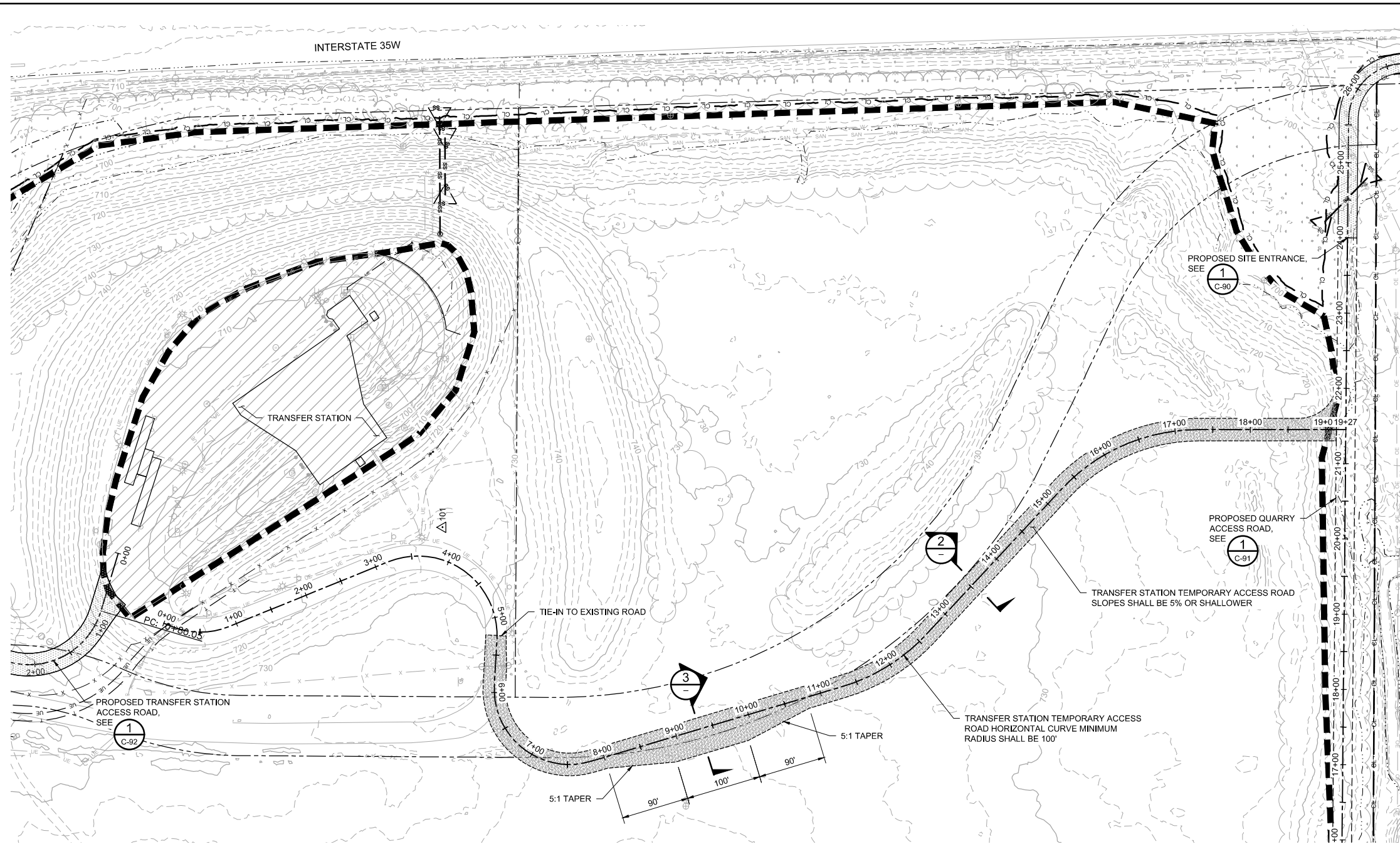
1. THE EXACT LIMITS OF EXISTING WASTE AND DEPTHS OF WASTE AND BEDROCK ARE NOT KNOWN AND HAVE BEEN ESTIMATED BASED ON INFORMATION FROM INVESTIGATIONS SHOWN ON SHEET C-02. HORIZONTAL AND VERTICAL EXTENT TO BE DETERMINED IN THE FIELD.
2. TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER. SEE SHEET C-95 FOR TRANSFER STATION TEMPORARY ACCESS ROAD.
3. STRIP EXISTING COVER SOIL FOR REUSE. SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
4. EXCAVATE AND DISPOSE OF WASTE. SEE SPECIFICATION 31 23 16.
5. PLACE COMMON FILL AND TOPSOIL PER DETAIL 1 ON SHEET C-71 AND SPECIFICATION 31 23 00.
6. SEED, MULCH, AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES PER SPECIFICATION 32 92 00.
7. PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.

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NOT FOR CONSTRUCTION  
06/30/2022

CADD USER: Jack A. Mettich FILE: M:\DESIGN\23191372\052319137205_HAUL_C-94.DWG PLOT SCALE: 1:2 PLOT DATE: 06/29/2022 8:25 AM  
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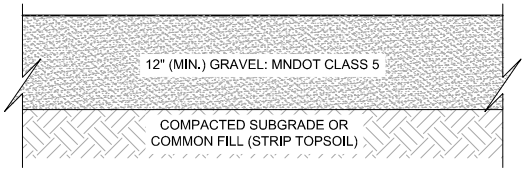
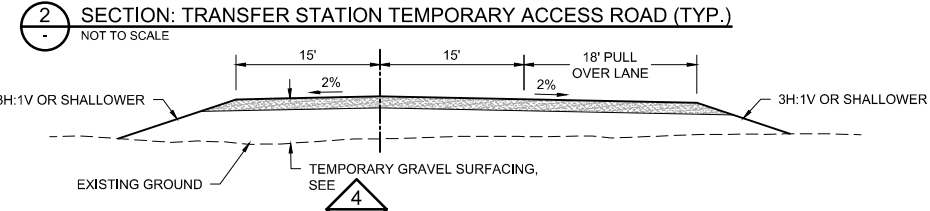
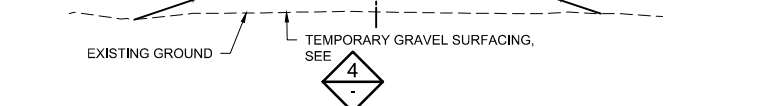
				I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME _____ SIGNATURE _____ DATE _____ LICENSE # _____				CLIENT BID CONSTRUCTION RELEASED TO/FOR DATE RELEASED				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>03/12/21</td> <td>06/30/22</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>B</td> <td>C</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td></td> </tr> </table>				03/12/21	06/30/22							A	B	C	0	1	2	3		<b>BARR</b> Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com				Scale AS SHOWN Date 01/21/2020 Drawn AWT Checked BDP Designed BARR Approved -				FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA TRANSFER STATION SCREENING AND PROTECTION SECTIONS AND DETAILS BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No. DWG. No. C-94 REV. No. B			
03/12/21	06/30/22																																										
A	B	C	0	1	2	3																																					





LEGEND	
— CL — CL —	CONSTRUCTION LIMITS
---	PROPERTY BOUNDARY
---	EXISTING FLOODWAY BOUNDARY
---	EXISTING WATERLINE (2020-06-12)
---	EXISTING 10-FOOT CONTOUR
---	EXISTING 2-FOOT CONTOUR
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING UNDERGROUND ELECTRIC
---	EXISTING POTABLE
---	EXISTING STORM
---	EXISTING CULVERT
---	EXISTING SANITARY
---	EXISTING CHAIN LINK FENCE
---	EXISTING TREE LINE
---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	EXISTING BUILDING
---	WETLANDS
---	EXISTING BITUMINOUS PAVEMENT
---	EXISTING GRAVEL PAVEMENT
---	EXISTING MONITORING WELL
---	EXISTING POWER POLE
---	EXISTING LIGHT POLE
---	EXISTING WATER MANHOLE
---	EXISTING GATE VALVE
---	EXISTING FIRE HYDRANT
---	EXISTING STORM SEWER MANHOLE
---	EXISTING SANITARY SEWER MANHOLE
---	PROPOSED BITUMINOUS PAVEMENT
---	PROPOSED GRAVEL PAVEMENT
---	PROPOSED CULVERT
---	PROPOSED GATE

- NOTES**
- CONTRACTOR SHALL SUBMIT A TRANSFER STATION TEMPORARY ACCESS PLAN TO BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE BASE CASE PLAN IS INTENDED TO DEMONSTRATE AN ACCEPTABLE APPROACH TO MANAGE TEMPORARY TRANSFER STATION ACCESS.
  - THE TEMPORARY TRANSFER STATION ACCESS PLAN SHOWN HERE IS THE BASE CASE PLAN. ALL DETAILS, MODIFICATIONS, ADDITIONS, AND DELETIONS TO THIS PLAN SHOULD BE ADDRESSED IN THE CONTRACTOR'S TEMPORARY TRANSFER STATION ACCESS PLAN.
  - TRANSFER STATION TO REMAIN OPEN DURING CONSTRUCTION ACTIVITIES. EXCAVATION AND EARTHWORK ACTIVITIES TO STOP AT APPROXIMATE LIMITS OF WASTE REMOVAL BOUNDARY SHOWN, UNLESS OTHERWISE DIRECTED BY OWNER.
  - PROVIDE TEMPORARY TRANSFER STATION ACCESS ROAD PRIOR TO REMOVING EXISTING TRANSFER STATION ACCESS ROAD AND MAINTAIN TEMPORARY TRANSFER STATION ACCESS ROAD UNTIL COMPLETION OF PROPOSED TRANSFER STATION ACCESS ROAD. REMOVE TEMPORARY TRANSFER STATION ACCESS ROAD AFTER COMPLETION OF PROPOSED TRANSFER STATION ACCESS ROAD
  - MAINTAIN UTILITY SERVICE TO TRANSFER STATION DURING AND AFTER CONSTRUCTION ACTIVITIES. REPLACE SERVICE (POTABLE, SANITARY, AND POWER) AS NECESSARY, SEE SHEET C-70 FOR ADDITIONAL INFORMATION.
  - STRIP EXISTING COVER SOIL FOR REUSE. SEE SPECIFICATIONS 31 01 00 AND 31 23 00.
  - PLACE COMMON FILL PER SPECIFICATION 31 23 00.
  - PLACE GRAVEL SURFACING PER SPECIFICATION 32 10 00.
  - PROTECT ALL WETLANDS FROM DISTURBANCE AND SEDIMENT TO THE EXTENT PRACTICABLE. FOR WETLAND INVENTORY AND WETLAND IMPACTS, SEE SHEET C-21.



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NOT FOR CONSTRUCTION  
06/30/2022

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT BID CONSTRUCTION	03/12/21 06/30/22						
PRINTED NAME	SIGNATURE	DATE	LICENSE #	RELEASED TO/FOR	A	B	C	0	1
				DATE RELEASED	2	3			

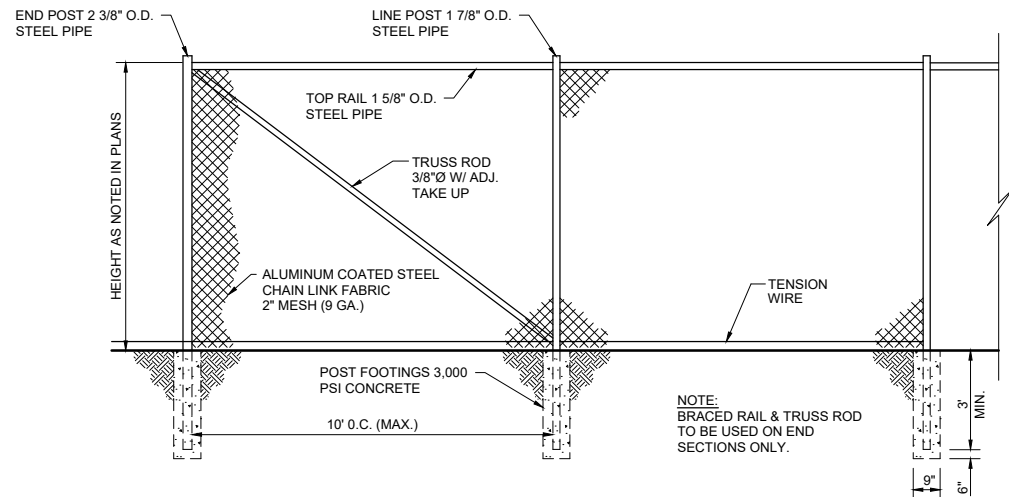
	Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435	Scale: AS SHOWN
	Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Ph: (952) 832-2601 www.barr.com	Date: 01/21/2020
		Drawn: AWT
		Checked: BDP
		Designed: BARR
	Approved: -	



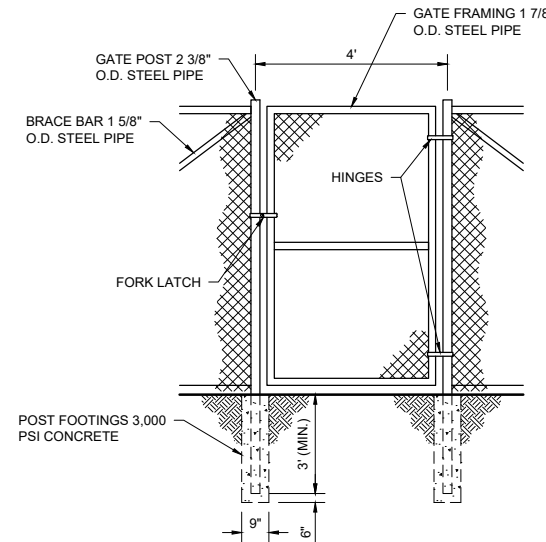
FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA		BARR PROJECT No. 23/19-1372.00
TRANSFER STATION TEMPORARY ACCESS ROAD PLAN, SECTIONS, AND DETAILS		CLIENT PROJECT No.
DWG. No. C-95	REV. No. B	



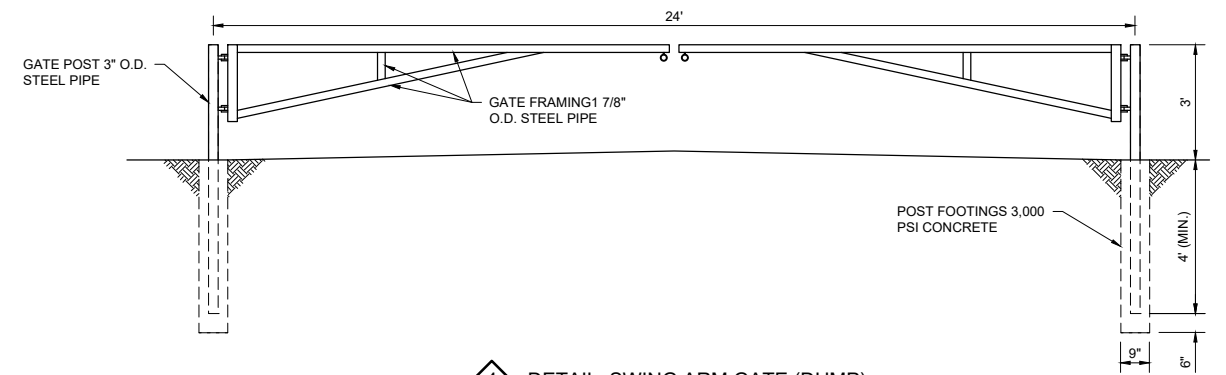
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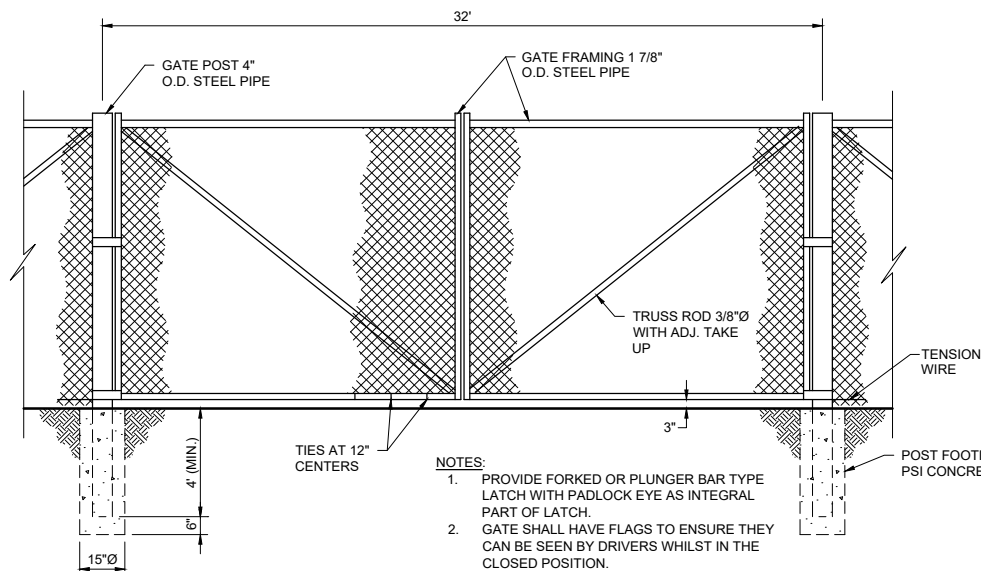
**1** DETAIL: CHAIN LINK FENCE  
C-65, C-92 NOT TO SCALE



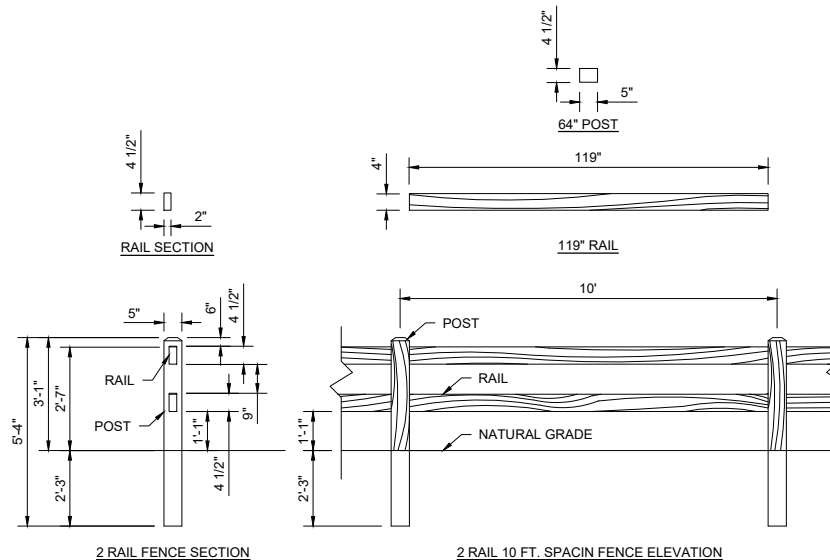
**3** DETAIL: WALK-THROUGH SWING GATE (TRANSFER STATION)  
C-92 NOT TO SCALE



**4** DETAIL: SWING ARM GATE (DUMP)  
C-65 NOT TO SCALE



**2** DETAIL: DOUBLE SWING GATE (TRANSFER STATION ACCESS ROAD)  
C-92 NOT TO SCALE



**5** DETAIL: SPLIT RAIL FENCE  
C-65 NOT TO SCALE

**NOTES:**

- INSTALL FENCES AND GATES PER SPECIFICATION 32 31 00.

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____  
 SIGNATURE: _____  
 DATE: _____ LICENSE # _____

CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	DATE RELEASED
03/12/21	06/30/22		A B C 0 1 2 3	

**BARR** Project Office:  
 BARR ENGINEERING CO.  
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 MINNEAPOLIS, MN 55435  
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 Fax: (952) 832-2601  
 www.barr.com

Scale	AS SHOWN
Date	01/21/2020
Drawn	AWT
Checked	BDP
Designed	BARR
Approved	-

**m**  
**MINNESOTA POLLUTION CONTROL AGENCY**

FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
 BURNSVILLE, MINNESOTA  
 FENCING SECTIONS AND DETAILS

BARR PROJECT No. 23/19-1372.00	
CLIENT PROJECT No.	
DWG. No. C-96	REV. No. B

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SITE ENTRANCE AND QUARRY ACCESS ROADWAY LINE DATA					
LINE #	LENGTH	START	END	START STATION	END STATION
L1	43.42'	N 216079.8045 E 504497.6754	N 216080.7986 E 504541.0831	0+00.00	0+43.42
L2	110.53'	N 216081.4019 E 504552.6858	N 216090.3448 E 504662.8558	0+55.04	1+65.57
L3	143.81'	N 216090.9303 E 504684.3367	N 216087.1198 E 504828.0957	1+87.07	3+30.88
L4	89.96'	N 216087.1198 E 504828.0957	N 216084.0664 E 504918.0038	3+30.88	4+20.84
L5	152.29'	N 216084.0664 E 504918.0038	N 216083.9094 E 505070.2898	4+20.84	5+73.13
L6	242.60'	N 216083.9094 E 505070.2898	N 216077.9267 E 505312.8191	5+73.13	8+15.73
L7	126.56'	N 216077.9267 E 505312.8191	N 216074.9164 E 505439.3450	8+15.73	9+42.29
L8	125.66'	N 216074.9164 E 505439.3450	N 216071.8005 E 505564.9622	9+42.29	10+67.95
L9	54.30'	N 216071.8005 E 505564.9622	N 216070.8673 E 505619.2533	10+67.95	11+22.25
L10	41.00'	N 216070.8673 E 505619.2533	N 216069.6421 E 505660.2336	11+22.25	11+63.24
L11	156.28'	N 216070.7130 E 505678.1166	N 216093.9902 E 505832.6509	11+81.18	13+37.46
L12	1204.21'	N 216095.1016 E 505848.4536	N 216084.1685 E 507052.6126	13+53.32	25+57.53
L13	203.80'	N 216013.2201 E 507126.8224	N 215809.7149 E 507137.8235	26+70.61	28+74.41
L14	288.27'	N 215807.9338 E 507137.9039	N 215519.8491 E 507148.3304	28+76.19	31+64.47
L15	305.77'	N 215518.5044 E 507148.3827	N 215212.9944 E 507161.0868	31+65.81	34+71.58
L16	197.86'	N 215204.9308 E 507161.5527	N 215007.6125 E 507176.1550	34+79.66	36+77.52
L17	94.63'	N 214998.4280 E 507177.0053	N 214904.3787 E 507187.4656	36+86.74	37+81.37
L18	472.91'	N 214883.5617 E 507188.9047	N 214410.8315 E 507201.8019	38+02.25	42+75.15

1 TABLE: SITE ENTRANCE AND QUARRY ACCESS ALIGNMENT LINE DATA

SITE ENTRANCE AND QUARRY ACCESS ROADWAY CURVE DATA					
CURVE #	RADIUS	LENGTH	START	END	PI
C1	200.00'	'11.62'	N 216080.7986 E 504541.0831	N 216081.4019 E 504552.6858	N 216080.9316 E 504546.8932
C2	200.00'	'21.50'	N 216090.3448 E 504662.8558	N 216090.9303 E 504684.3367	N 216091.2154 E 504673.5805
C3	100.00'	'17.94'	N 216069.6421 E 505660.2336	N 216070.7130 E 505678.1166	N 216069.3734 E 505669.2232
C4	100.00'	'15.86'	N 216093.9902 E 505832.6509	N 216095.1016 E 505848.4536	N 216095.1737 E 505840.5081
C5	75.00'	'113.08'	N 216084.1685 E 507052.6126	N 216013.2201 E 507126.8224	N 216083.5292 E 507123.0216
C6	100.00'	'1.78'	N 215809.7149 E 507137.8235	N 215807.9338 E 507137.9039	N 215808.8247 E 507137.8717
C7	250.00'	'1.35'	N 215519.8491 E 507148.3304	N 215518.5044 E 507148.3827	N 215519.1766 E 507148.3547
C8	250.00'	'8.08'	N 215212.9944 E 507161.0868	N 215204.9308 E 507161.5527	N 215208.9588 E 507161.2546
C9	250.00'	'9.22'	N 215007.6125 E 507176.1550	N 214998.4280 E 507177.0053	N 215003.0124 E 507176.4954
C10	250.00'	'20.87'	N 214904.3787 E 507187.4656	N 214883.5617 E 507188.9047	N 214894.0003 E 507188.6199

2 TABLE: SITE ENTRANCE AND QUARRY ACCESS ALIGNMENT CURVE DATA

QUARRY ACCESS RAMP LINE DATA					
LINE #	LENGTH	START	END	START STATION	END STATION
L20	92.87'	N 216096.7263 E 504805.3348	N 216099.1871 E 504712.4946	0+00.00	0+92.87
L21	344.92'	N 216099.1871 E 504712.4946	N 216234.0512 E 504395.0321	0+92.87	4+37.79
L22	285.83'	N 216241.0515 E 504369.7598	N 216280.5751 E 504086.6758	4+64.09	7+49.92

3 TABLE: QUARRY ACCESS RAMP ALIGNMENT LINE DATA

QUARRY ACCESS RAMP CURVE DATA					
CURVE #	RADIUS	LENGTH	START	END	PI
C20	100.00'	'26.30'	N 216234.0512 E 504395.0321	N 216241.0515 E 504369.7598	N 216239.2226 E 504382.8589

4 TABLE: QUARRY ACCESS RAMP ALIGNMENT CURVE DATA

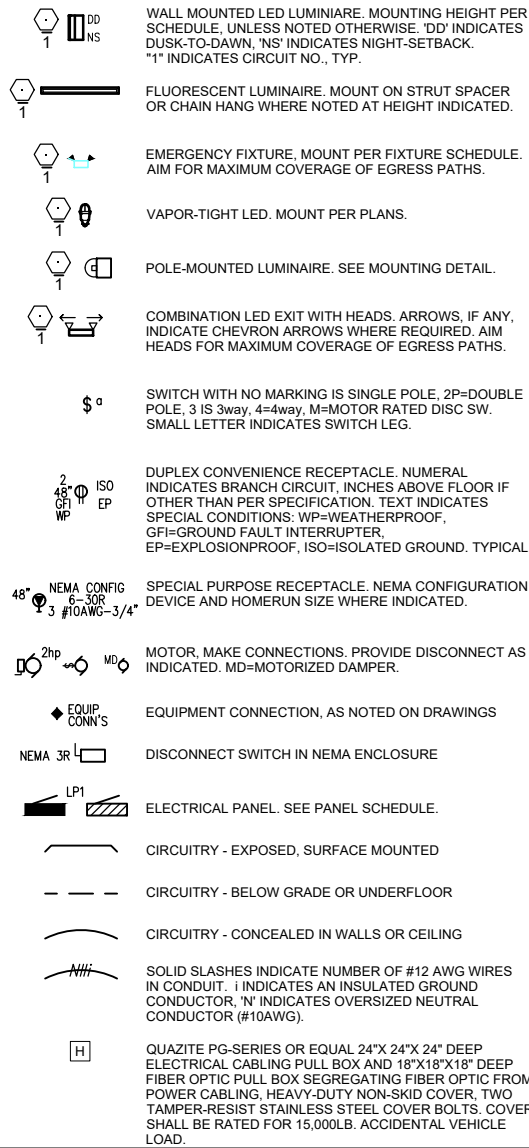
NOTES

- 1. SEE SHEETS C-90 AND C-91 FOR ADDITIONAL INFORMATION.

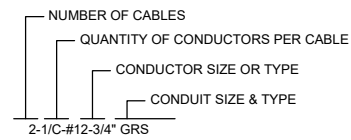
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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR	A B C 0 1 2 3	Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2601 www.barr.com	MINNESOTA POLLUTION CONTROL AGENCY	SITE ENTRANCE AND QUARRY ACCESS ALIGNMENT TABLES	CLIENT PROJECT No.
										DWG. No. C-97	REV. No. B

**LUMINAIRE & DEVICE LEGEND**

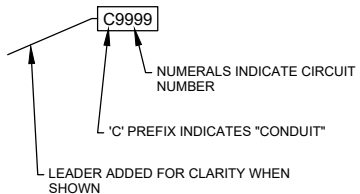


**CIRCUIT LEGEND**

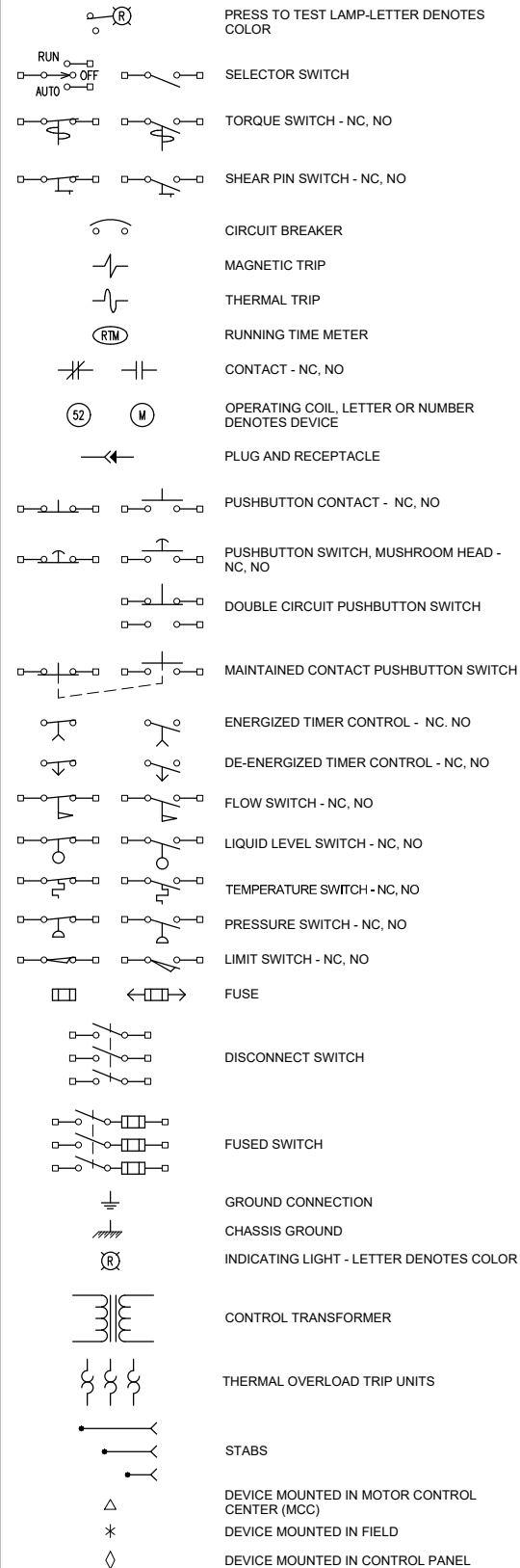


**CIRCUIT DESIGNATOR**

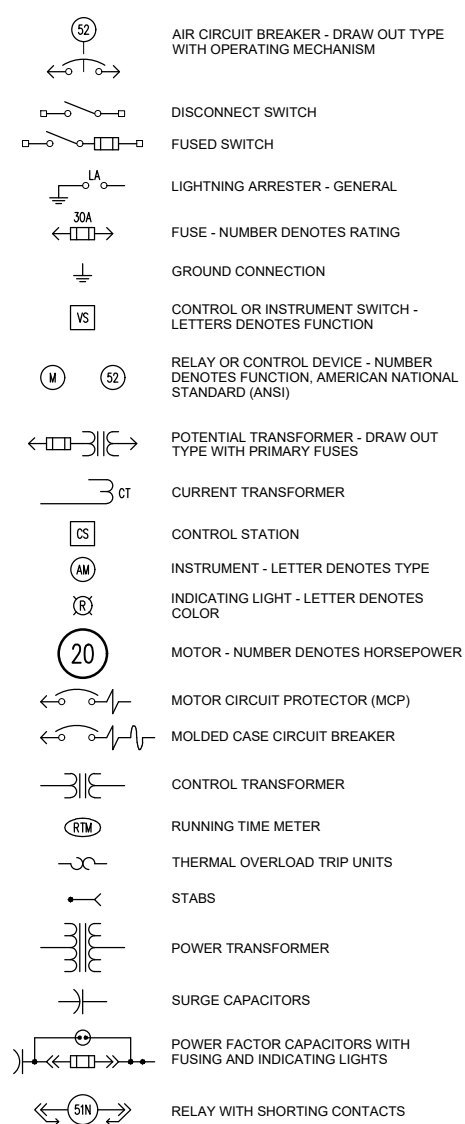
REFER TO CABLE & CONDUIT SCHEDULE(S)



**SCHEMATIC SYMBOLS**



**ONE-LINE DIAGRAM SYMBOLS**



**TABLE E-101**

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
A	AMPERES
ACK	ACKNOWLEDGE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AM	AMMETER
ANN	ANNUNCIATOR
AS	AMMETER SWITCH
AWG	AMERICAN WIRE GAGE
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CKT	CIRCUIT
CL	CENTER LINE
CO	CONVENIENCE OUTLET
CONN	CONNECTIONS
CONTR	CONTRACTOR
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CS	CONTROL STATION
CT	CURRENT TRANSFORMER
CU	COPPER
DE	DUAL ELEMENT
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
F & I	FURNISH AND INSTALL
FU	FUSE OR FUSIBLE
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL CONDUIT
HD	HEAVY DUTY
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HZ	HERTZ (CYCLES/SECOND)
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IND	INDICATING OR INDICATOR
JB	JUNCTION BOX
J-BOX	JUNCTION BOX
KVA	KILOVOLT-AMPERES
kVAR	KILOVOLT-AMPERES REACTIVE
KW	KILOWATTS
LT	LIGHT
LMF	LIQUID-TIGHT METALLIC FLEXIBLE CONDUIT

**TABLE E-101**

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
M	MOTOR STARTER OPERATING COIL
MAX	MAXIMUM
MCM	THOUSAND CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	METAL HALIDE
MIN	MINUTE OR MINIMUM
MTD	MOUNTED
NF	NON-FUSED
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTC	NOT CONNECTED
OL(S)	OVERLOAD RELAY CONTACT(S)
PF	POWER FACTOR
PVC	POLYVINYLCHLORIDE CONDUIT
REQ'D	REQUIRED
RS	RIGID STEEL CONDUIT
RTM	RUNNING TIME METER
SDS	SPECIFIED IN OTHER DIVISION OF SPECIFICATION
SE	SERVICE ENTRANCE
SEC	SECOND OR SECONDARY
SIG	SIGNAL
SOL Vv	SOLENOID VALVE
SP	SINGLE POLE
SPECS	SPECIFICATIONS
SSNR	"SOFT START" NON-REVERSING
SSR	"SOFT START" REVERSING
SW	SWITCH
S.S.	STAINLESS STEEL (TYPE 316)
TD	TIME DELAY
TEMP	TEMPERATURE
T'STAT	THERMOSTAT
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTS
VM	VOLTMETER
VS	VOLTMETER SWITCH
Vv	VALVE
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS OR WIRE
W/	WITH
WHM	WATT-HOUR METER
WM	WATT METER
WW	WIREFWAY
WP	WEATHERPROOF
XDCR	TRANSDUCER
XFMR	WATTS OR WIRE
XFR	WITH

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CLIENT	BID	CONSTRUCTION	RELEASED TO/FOR	DATE RELEASED

Project Office:  
**BARR ENGINEERING CO.**  
4300 MARKETPOINTE DRIVE  
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MINNEAPOLIS, MN 55435

Corporate Headquarters:  
Minneapolis, Minnesota  
Ph: 1-800-632-2277  
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Scale	AS SHOWN
Date	02/11/2020
Drawn	AWT
Checked	MEZ
Designed	MDK
Approved	MEZ

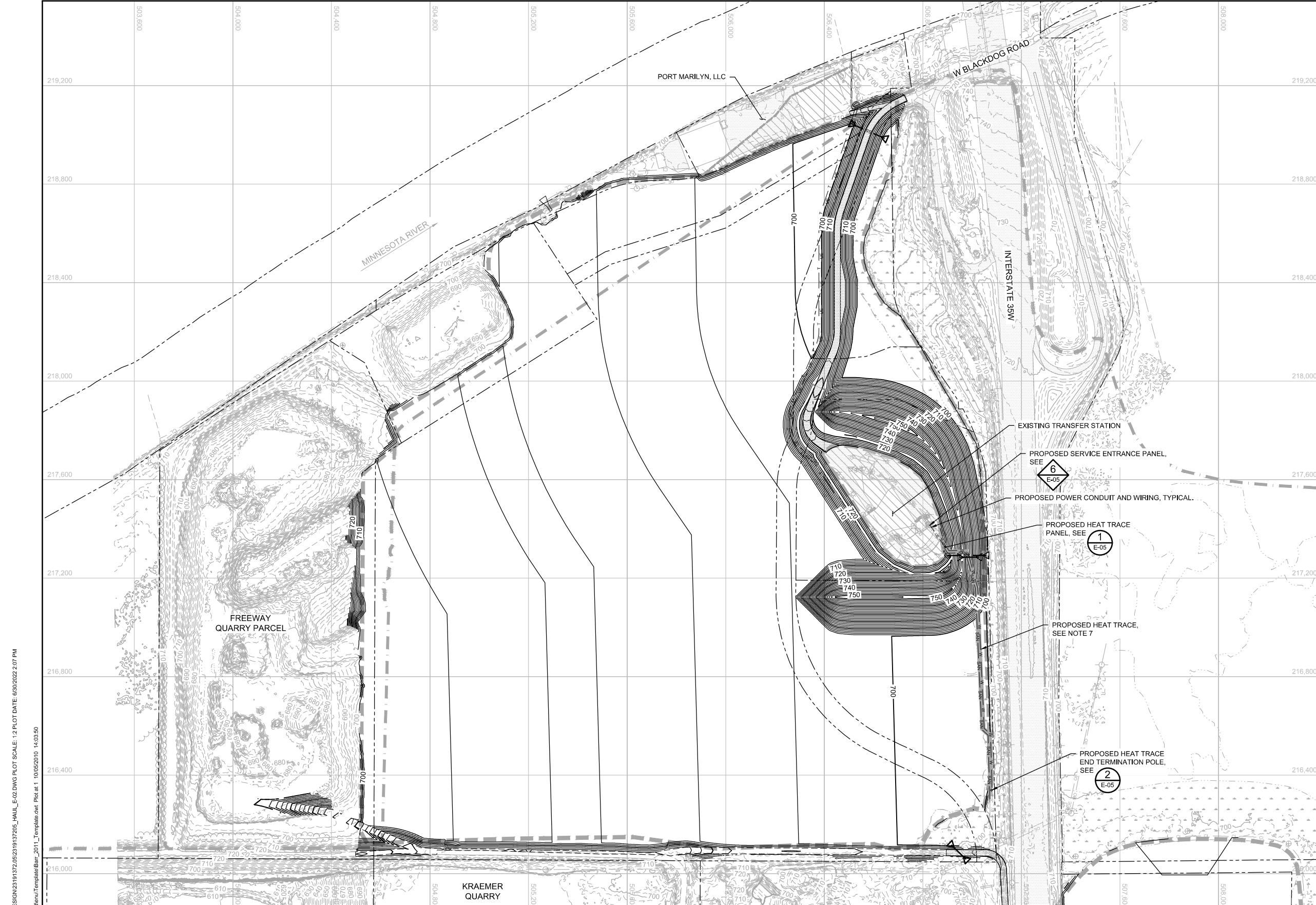
**MINNESOTA POLLUTION CONTROL AGENCY**

FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

ELECTRICAL  
SYMBOLS AND ABBREVIATIONS

BARR PROJECT No.	
23/19-1372.00	
CLIENT PROJECT No.	
DWG. No.	REV. No.
E-01	B





**LEGEND**

CL	CL	CONSTRUCTION LIMITS
---	---	PROPERTY BOUNDARY
---	---	EXISTING FLOODWAY BOUNDARY
---	---	EXISTING WATERLINE (2020-06-12)
---	---	10-FOOT CONTOUR
---	---	2-FOOT CONTOUR
OE	OE	EXISTING OVERHEAD ELECTRIC
UE	UE	EXISTING UNDERGROUND ELECTRIC
W	W	EXISTING POTABLE
SS	SS	EXISTING STORM
SS	SS	EXISTING CULVERT
SAN	SAN	EXISTING SANITARY
X	X	EXISTING CHAIN LINK FENCE
---	---	EXISTING TREE LINE
---	---	APPROXIMATE LIMITS OF WASTE REMOVAL
---	---	APPROXIMATE LIMITS OF WASTE TO REMAIN
---	---	EXISTING BUILDING
---	---	WETLANDS
---	---	EXISTING BITUMINOUS PAVEMENT
---	---	EXISTING GRAVEL PAVEMENT
---	---	PROPOSED BUILDING
---	---	PROPOSED BITUMINOUS PAVEMENT
---	---	PROPOSED GRAVEL PAVEMENT
---	---	PROPOSED HEAT TRACE
UE	UE	PROPOSED UNDERGROUND ELECTRIC
FO	FO	PROPOSED UNDERGROUND FIBER OPTIC
T	T	PROPOSED UNDERGROUND TELEPHONE LINE
W	W	PROPOSED WATER
SAN	SAN	PROPOSED SANITARY
SS	SS	PROPOSED STORM SEWER
SS	SS	PROPOSED CULVERT
FM	FM	PROPOSED LEACHATE FORCE MAIN
X	X	PROPOSED CHAIN LINK FENCE
---	---	PROPOSED GATE

- NOTES**
- SEE SHEET E-03 FOR CABLING AND CONDUIT SIZES.
  - COORDINATE NEW ELECTRIC SERVICES AND METERING REQUIREMENTS WITH SERVING UTILITY PRIOR TO ORDERING EQUIPMENT AND CONSTRUCTION.
  - FIELD CONFIRM LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES, CABLES, CONDUITS, ETC. PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPAIR SUCH ITEMS AT NO COST IF DAMAGED BY CONTRACTOR.
  - FIELD CONFIRM ALL CONDUIT ROUTING.
  - SEAL ALL CONDUITS TO EXTERIOR USING DUCTSEAL OR 1/2" THICKNESS SILICONE CAULK.
  - PROVIDE TEMPORARY POWER AND COMMUNICATIONS TO EXISTING TRANSFER STATION TO ENSURE TRANSFER STATION HAS POWER AND COMMUNICATIONS DURING ALL STAGES OF CONSTRUCTION THAT INTERRUPT THE EXISTING UNDERGROUND ELECTRICAL FEED. PROVIDE PERMANENT POWER AND COMMUNICATIONS AT END OF PROJECT. COORDINATE WITH ELECTRICAL UTILITY AND PROJECT ENGINEER FOR REROUTING OF UNDERGROUND FEED.
  - HEAT TRACE ENTIRE LENGTH OF NEW WATER SUPPLY LINE AND NEW SEWER LINE TO THE EXISTING TRANSFER STATION. ROUTE POWER CABLES FROM ELECTRICAL BUILDING TO 18"x18"x8" ABOVE GROUND NEMA 3R JUNCTION BOX AT END OF NEW PIPING. PROVIDE 1 HEAT TRACE RUN PER PIPE. TERMINATE ENDS OF ALL HEAT TRACE ABOVE GROUND IN WATER RESISTANT BOXES MOUNTED ON END TERMINATION POLE. ENSURE THAT HEAT TRACE PANEL AND HEAT TRACE END TERMINATION KITS ARE ABOVE 100 YEAR FLOOD LINE.

1 PLAN: ELECTRICAL SITE

0 200 400

SCALE IN FEET

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06/30/2022

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BID							
CONSTRUCTION							
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DATE RELEASED							

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Scale	AS SHOWN
Date	09/05/2019
Drawn	AWT
Checked	MEZ
Designed	MDK
Approved	MEZ

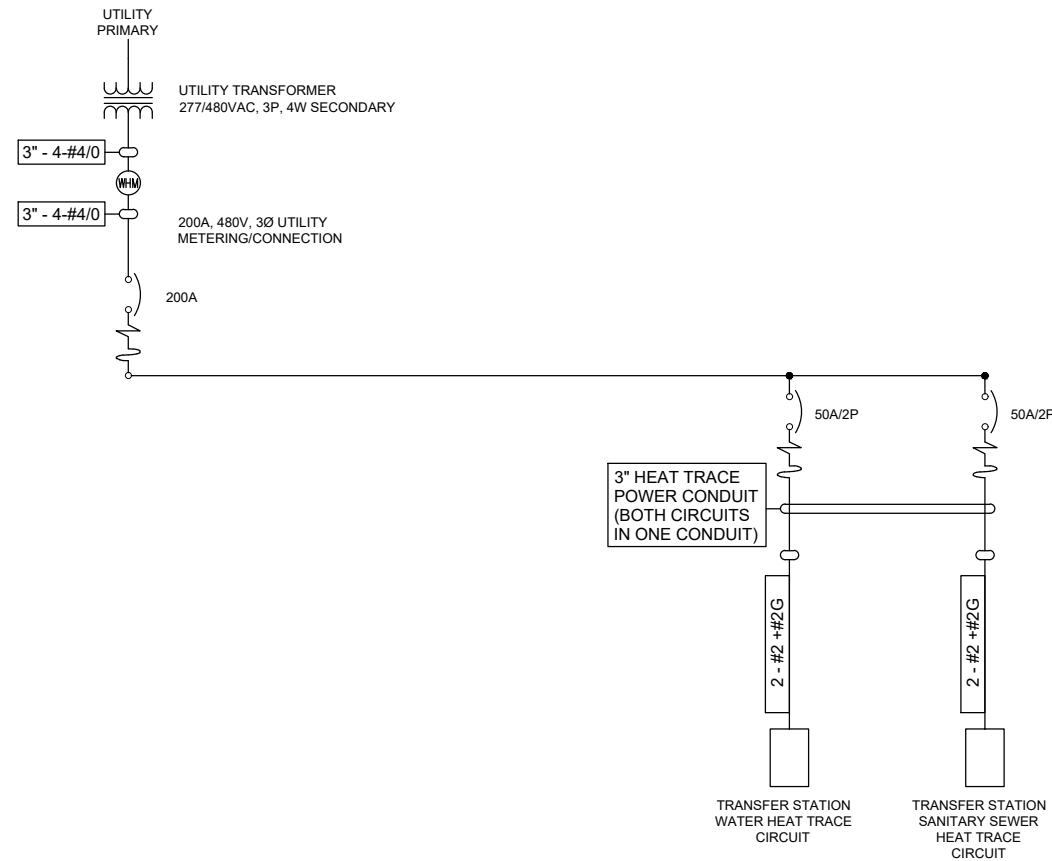


FREWAY LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

ELECTRICAL SITE  
PLAN

BARR PROJECT No.	2319-1372.00
CLIENT PROJECT No.	
DWG. No.	E-02
REV. No.	B

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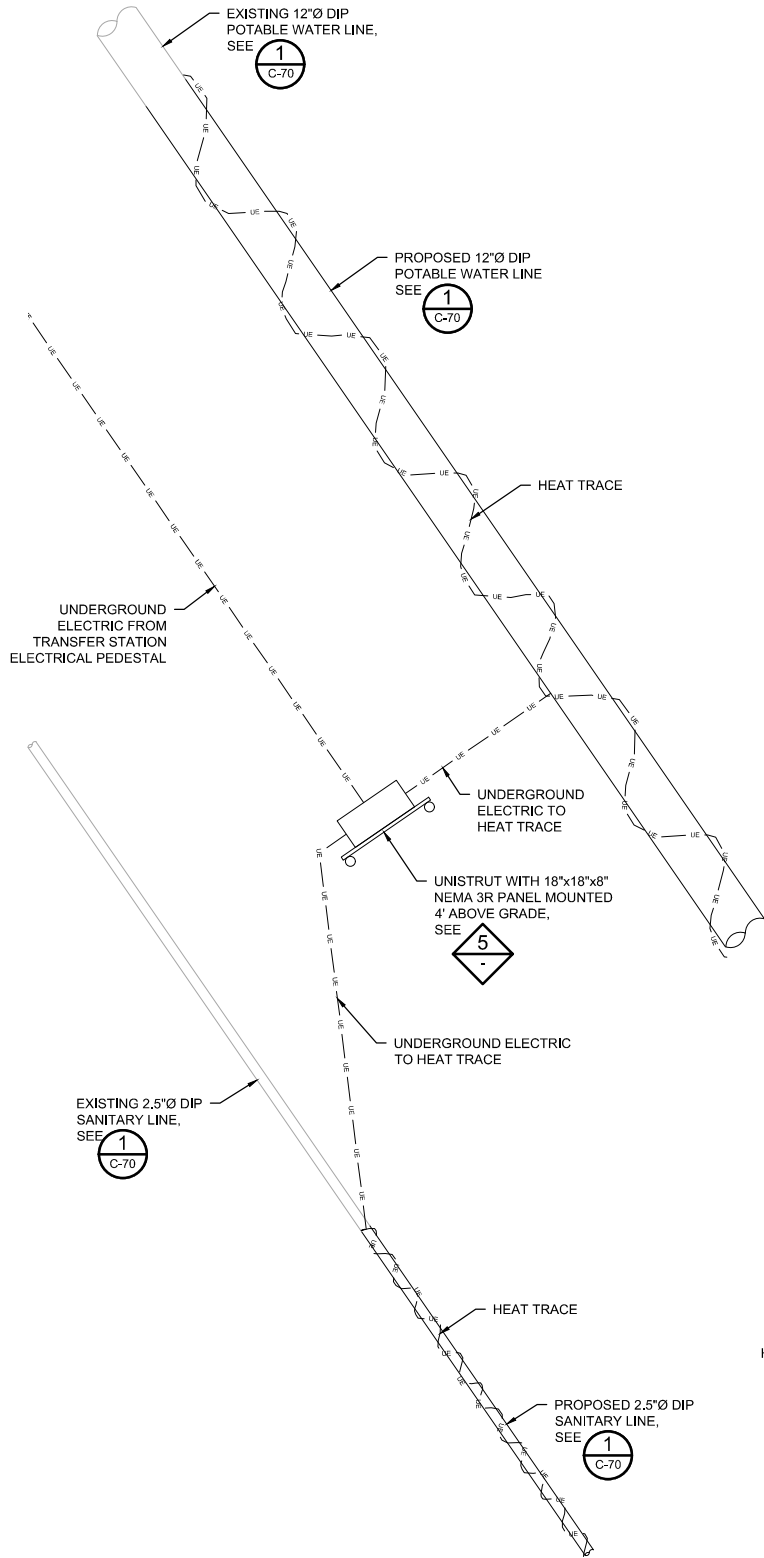
1 DIAGRAM: ELECTRICAL SINGLE LINE  
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 06/30/2022

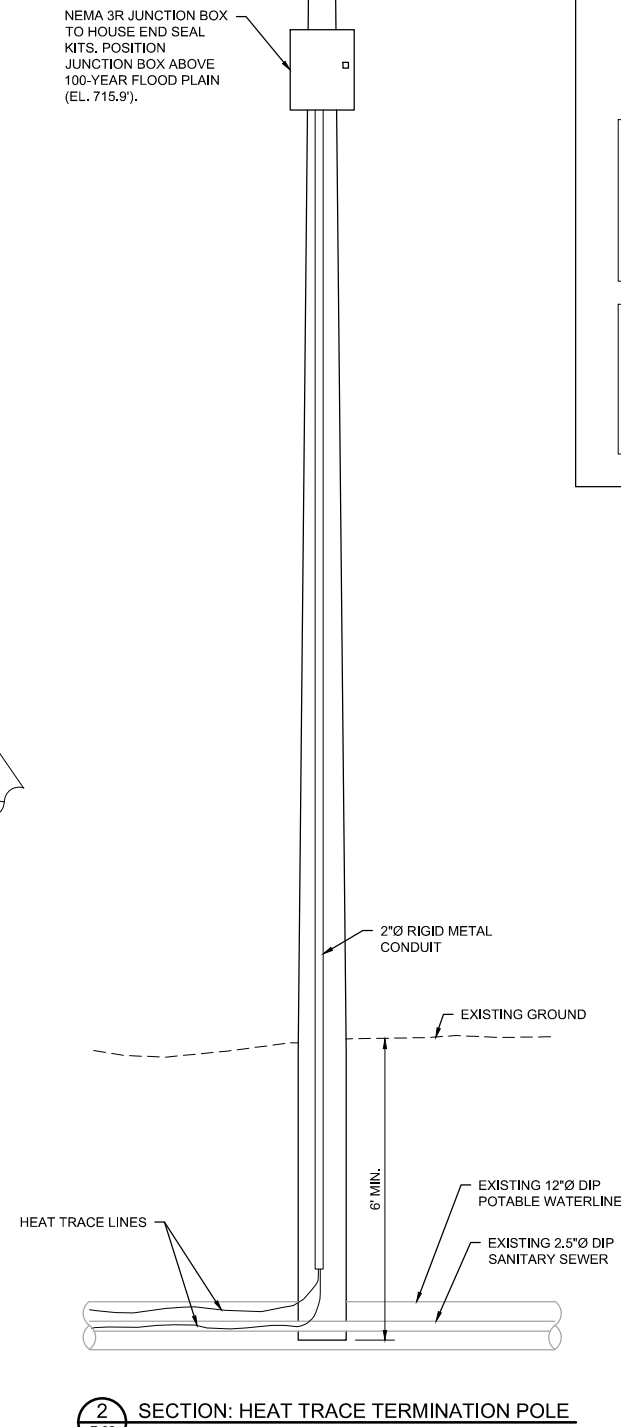
				I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				CLIENT BID CONSTRUCTION RELEASED TO/FOR DATE RELEASED				<b>BARR</b> Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Ph: (952) 832-2601 www.barr.com				Scale AS SHOWN Date 04/13/2021 Drawn TCK Checked MEZ Designed MDK Approved MEZ				FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL BURNSVILLE, MINNESOTA ELECTRICAL ONE-LINE DIAGRAM				BARR PROJECT No. 23/19-1372.00 CLIENT PROJECT No. DWG. No. E-03 REV. No. B			
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION				PRINTED NAME	SIGNATURE	DATE	LICENSE #	A	B	C	0	1	2	3								



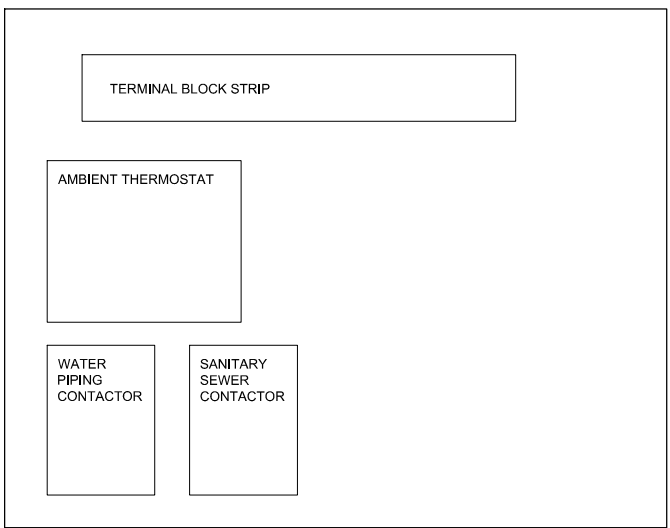




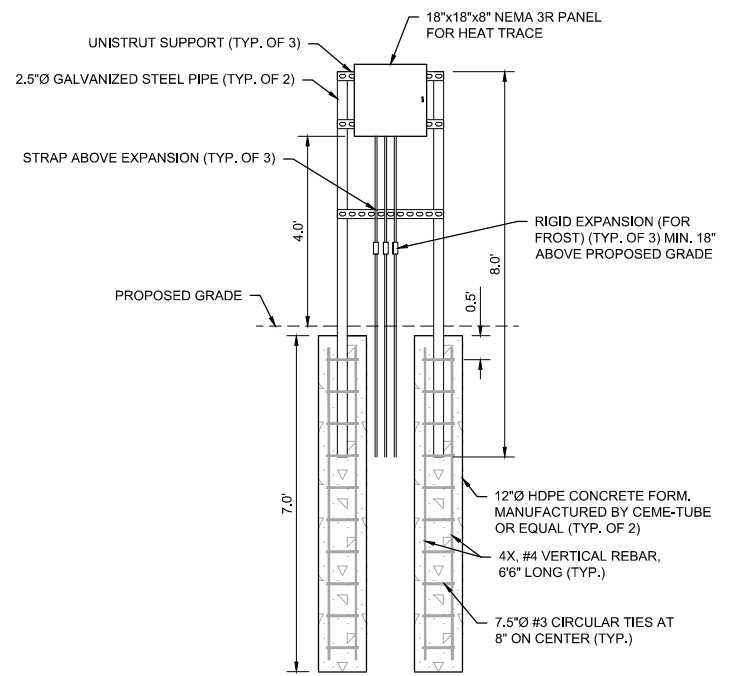
**1 PLAN: HEAT TRACE PANEL**  
SCALE IN FEET



**2 SECTION: HEAT TRACE TERMINATION POLE**  
SCALE IN FEET

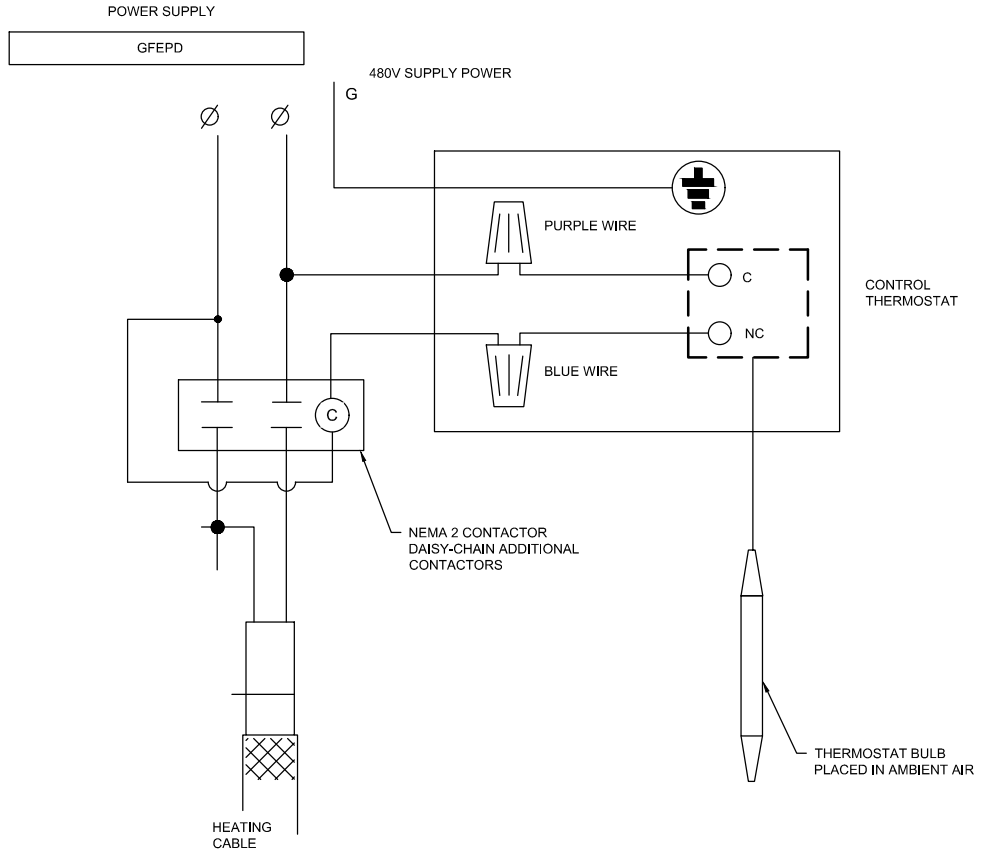


**3 DETAIL: HEAT TRACE PANEL LAYOUT**  
NOT TO SCALE

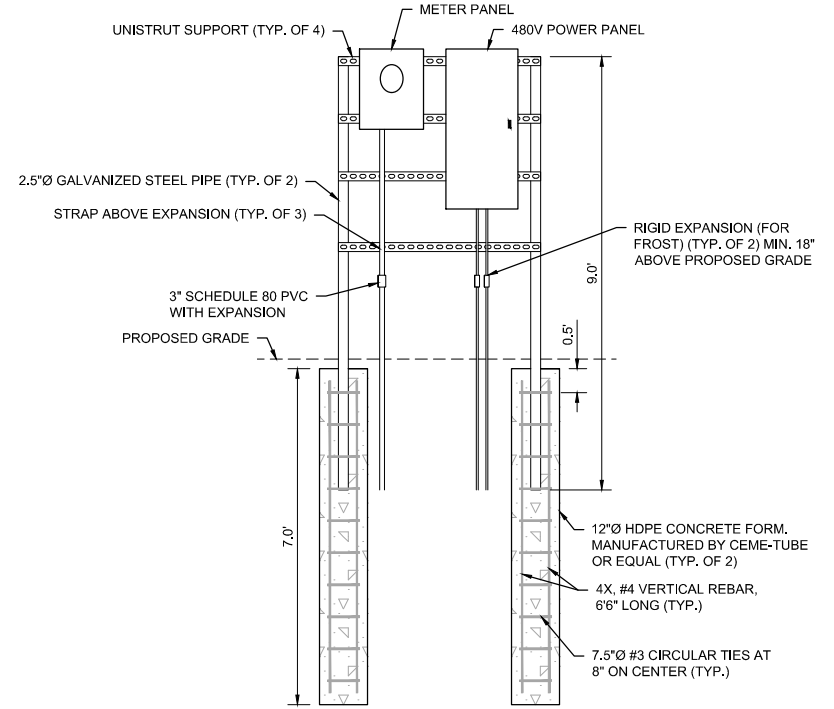


**5 DETAIL: H-FRAME STRUCTURE: HEAT TRACE PANEL**  
NOT TO SCALE

**NOTES:**  
1. SEE DIVISION 03 SPECIFICATIONS FOR CONCRETE AND REINFORCEMENT



**4 DETAIL: AMBIENT SENSING HEAT TRACE WIRING SCHEMATIC**  
NOT TO SCALE



**6 DETAIL: H-FRAME STRUCTURE: METER AND POWER PANEL**  
NOT TO SCALE

**NOTES:**  
1. SEE DIVISION 03 SPECIFICATIONS FOR CONCRETE AND REINFORCEMENT

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Designed	MDK
Approved	MEZ



FREeway LANDFILL AND DUMP CLOSURE: DIG AND HAUL  
BURNSVILLE, MINNESOTA

HEAT TRACE SECTIONS AND DETAILS

BARR PROJECT No.	23/19-1372.00
CLIENT PROJECT No.	
DWG. No.	E-05
REV. No.	B