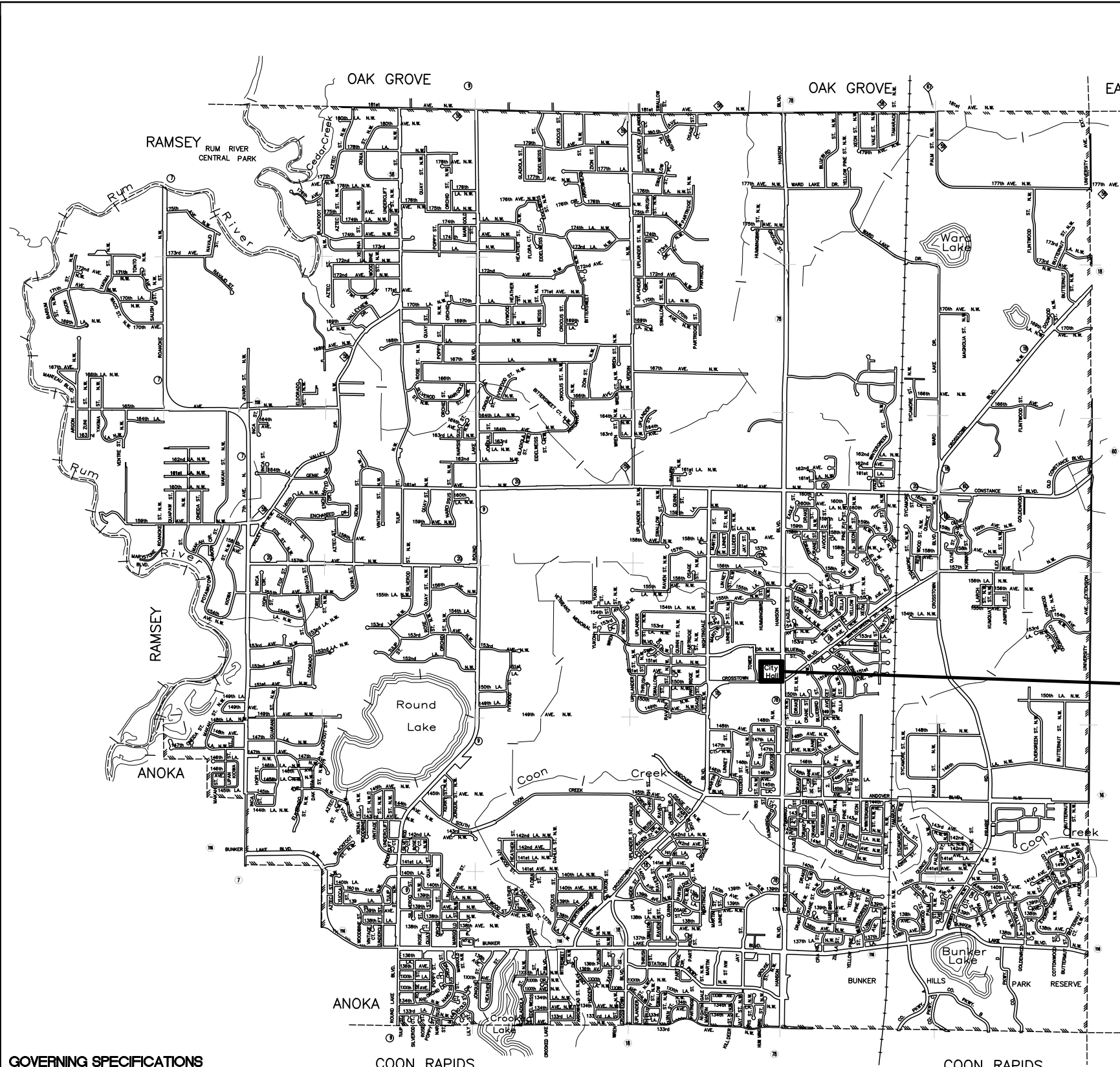




CITY HALL PARKING LOT RECONSTRUCTION CITY PROJECT 22-26

DRAWING INDEX

SHEET	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES AND EARTHWORK SUMMARY
3	PROJECT LAYOUT
4	CONSTRUCTION NOTES
5	DETAILS & TYPICAL SECTIONS
6-7	REMOVALS & STORM SEWER SHEETS
8-9	PROPOSED SITE PLAN SHEETS
10	RESTORATION AND EROSION CONTROL
11	STRIPING
12	LIGHT POLE BASE DETAIL AND EXISTING ELECTRICAL PLAN (FOR REFERENCE)

PROJECT LOCATION

LEGEND

- = CORPORATE LIMITS
- - - = CENTERLINE
- EXISTING
 - UGT — = UNDERGROUND TELEPHONE LINE
 - UGE — = UNDERGROUND ELECTRIC LINE
 - UGE-3 — = UNDERGROUND ELECTRIC 3 PHASE
 - P-OH — = OVERHEAD ELECTRIC LINE
 - GAS — = GAS MAIN
 - PETRO — = GASOLINE MAIN
 - UGTV — = UNDERGROUND CABLE TV
 - UGFO — = UNDERGROUND FIBER OPTIC LINE
 - = TELEPHONE/CABLE TV PEDESTAL
 - = CONTROL CABINET/TRANSFORMER
 - | — = WATER MAIN
 - ⊕ = HYDRANT
 - ⊗ = GATE VALVE
 - ⊙ = SIGN
 - · — · — = R.O.W.
 - = PROPERTY LINE
 - = CATCH BASIN
 - ⊙ = STORM SEWER MANHOLE
 - ⊙ = OUTLET CONTROL STRUCTURE
 - >— = STORM SEWER LINE
 - ⊙ = SANITARY SEWER MANHOLE
 - >— = SANITARY SEWER LINE

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL APPLY.

CITY OF ANDOVER UTILITY AND STREET CONSTRUCTION SPECIFICATIONS SHALL APPLY.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MN MUTCD INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DESIGNED JJL	DRAWN JAK
CHECKED DDB	SIGNATURE <i>David D. Berkowitz</i> DATE 4/04/2022 LIC. NO. 26757
	DAVID D. BERKOWITZ TYPED OR PRINTED NAME



CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

TITLE SHEET
SHEET NO. 1 OF 12 SHEETS

City Hall Parking Lot Reconstruction
City Project: 22-26
STATEMENT OF ESTIMATED QUANTITIES

				TOTAL ESTIMATED PROJECT QUANTITIES		CITY HALL PARKING LOT PROJECT QUANTITIES		CITY HALL WEST ACCESS PROJECT QUANTITIES	
NOTES	ITEM NO.	DESCRIPTION	UNIT	EST. QUAN.	ACT. QUAN.	EST. QUAN.	ACT. QUAN.	EST. QUAN.	ACT. QUAN.
	1	2021.501	Mobilization	LS	1.00		0.80	0.20	
	2	2101.502	Grubbing	EA	3		3		
1	3	2104.502	Salvage Casting (Storm)	EA	2		2		
2	4	2104.502	Salvage Lighting Unit	EA	1		1		
3	5	2104.503	Remove Curb & Gutter	LF	600		600		
	6	2104.503	Sawing Concrete Pavement (Full Depth)	LF	40		25	15	
	7	2104.503	Sawing Bit Pavement (Full Depth)	LF	150		120	30	
4	8	2104.518	Remove Concrete Pavement	SF	670		600	70	
4	9	2104.518	Remove Bituminous Pavement	SF	1600		1600		
	10	2104.601	Salvage Mailbox and Bollards	LS	1		1		
1	11	2104.618	Salvage Brick Pavers	SF	60		60		
5	12	2105.607	Common Excavation (EV)	CY	140		100	40	
6	13	2105.607	Salvage Reclaim Material (LV)	CY	680		480	200	
7	14	2211.607	Place Salvaged Reclaim Material (CV)	CY	80		80		
	15	2215.504	Full Depth Reclamation	SY	3900		3900		
	16	2232.504	Mill Bituminous Surface (1.5")	SY	20		10	10	
	17	2357.506	Bituminous Material For Tack Coat	Gal	380		280	100	
	18	2360.509	Type SP 9.5 Wearing Course Mix (3,C)	TN	540		400	140	
8	19	2360.509	Type SP 12.5 Wearing Course Mix (3,C)	TN	710		520	190	
9	20	2360.509	Type SP 9.5 Wearing Course Mix (2,B) - Trail	TN	30		30		
10	21	2506.502	Casting Assembly - Storm	EA	2		2		
11	22	2506.607	Fill Catch Basin Sump-Pour Invert	CY	2		2		
	23	2521.518	4" Concrete Walk	SF	270		200	70	
	24	2531.503	Concrete Curb & Gutter Design B612	LF	400		400		
	25	2531.504	7" Concrete Driveway Pavement	SY	150		150		
	26	2540.601	Install Mailbox and Bollards	LS	1		1		
12	27	2545.602	Install Lighting Unit	EA	1		1		
	28	2563.601	Traffic Control	LS	1.00		0.80	0.20	
	29	2573.502	Storm Drain Inlet Protection	EA	3		3		
	30	2573.503	Silt Fence, Type H1	LF	330		30	300	
	31	2574.507	Loam Topsoil Borrow (LV)	CY	140		90	50	
	32	2575.504	Sodding Type Lawn	SY	1010		680	330	
	33	2582.503	4" Solid Line Paint	LF	2500		2500		
	34	2582.518	Pavement Message Paint	SF	420		340	80	

- C.P. 22-26 Notes:**
1. Stockpile on-site for pickup by Andover Public Works. Items become property of City of Andover.
 2. Includes salvage of existing light standard and removal and disposal of existing concrete foundation.
 3. Regardless of curb type. Includes sawcut of curb.
 4. Regardless of depth.
 5. For excavation of grass medians. Utilize clean material as curb backfill. Includes off-site disposal of excess material if not suitable (no sod chunks) for backfill.
 6. Item shall be used for excavating, hauling and stockpiling excess reclaim material. Stockpile at Andover Public Works yard. Becomes property of City of Andover.
 7. Item shall include excavating, hauling, placing, grading, and compacting salvaged reclaim material for use within project.
 8. Utilize item for parking lot base course and for any patching of parking lot / driveway as may be necessary.
 9. SP 9.5 (3,C) mix design for pavement wearing course is an acceptable alternative to SP 9.5 (2,B).
 10. R-1642B MH Casting. Includes new concrete adjusting rings and Gator Wrap.
 11. Item includes filling sump with redi-mix, pouring invert, and constructing benches up to 1/3 of pipe diameter, and touching up doghouses as necessary.
 12. Item includes light pole base, installing salvage lighting unit, and connecting to power. Refer to plan sheet 12.

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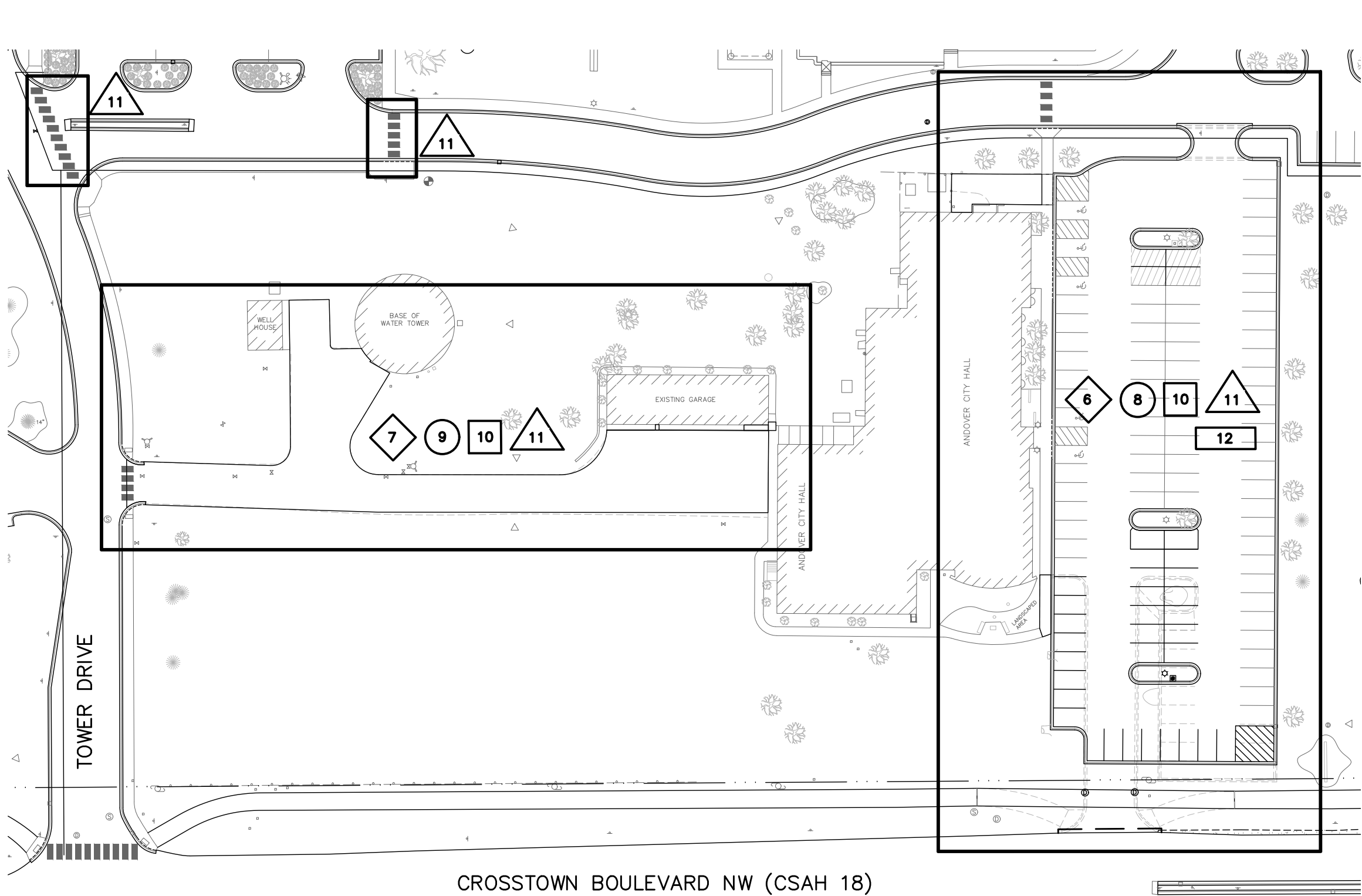
EARTHWORK CALCULATIONS

City Project 22-26 (Parking Lot East of City Hall)		
Aggregate Base Class 7 (Reclaim) Existing 3.5" of bituminous and 4" aggregate base Existing Pavement Area (East Side of City Hall) = 3,900 SY Reclaim 7.5"+/- deep		
Reclaim Material Generated	813 CY (CV)	Pavement Area x 7.5" (leave 4" in place)
Salvage Reclaim 340 CY (CV) Salvage 3.5" over entire parking lot except existing entrance		
Place Salvaged Reclaim Build up existing driveway to grade = 56 CY (CV) 120' x 30' x 5"+/- Trail construction = 21 CY (CV) 140' x 12' x 4" Total Place Salvaged Reclaim 77 CY (CV)		
Haul Excess Reclaim Salvaged Volume - Placed Volume 263 CY (CV) Haul and stockpile excess at Andover Public Works yard		
Common Excavation Volume for southerly grass median area = 61 CY (EV) Grass Median Area x 14" Volume for new entrance location = 37 CY (EV) Grass Median Area x 20" Total Common Excavation 98 CY (EV) Clean material can be used for curb backfill. Dispose of excess.		

City Project 22-26 (Driveway West of City Hall)		
Aggregate Base Class 7 (Reclaim) Existing Pavement Area (West Side of City Hall) = 1,400 SY Existing 3.5" of bituminous and 4" aggregate base Reclaim 7.5"+/- deep		
Reclaim Material Generated	292 CY (CV)	Pavement Area x 7.5" (leave 4" in place)
Salvage & Haul Excess Reclaim	136 CY (CV)	Salvage 3.5" over paved area. Haul and stockpile excess at Andover Public Works yard.
Common Excavation Volume for perimeter of driveway = 37 CY (EV)		Perimeter x 3' x 5" (leave existing vegetation in place if possible). Dispose off-site.

EARTHWORK SUMMARY		
Place Reclaim Material	77 CY (CV)	
Common Excavation	135 CY (EV)	
Salvage Reclaim Material	476 CY (CV) 670 CY (LV)	
Haul Excess Reclaim Material	399 CY (CV) 560 CY (LV)	Haul and stockpile at Andover Public Works Yard. Becomes property of City of Andover
Excess Material to Dispose of Off-Site	101 CY (EV) 140 CY (LV)	Common Excavation - Assuming 25% re-used as curb backfill.

Swell Factors
EV to LV = 1.3
LV to CV = 1.4
1 CY Class 5 = 1.5 tons



-  = REMOVALS
-  = PROPOSED SITE PLAN
-  = RESTORATION
-  = STRIPING
-  = ELECTRICAL

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DESIGNED JJL	DRAWN JAK
CHECKED DDB	SIGNATURE <i>David D. Berkowitz</i> DATE 4/04/2022
	LIC. No. 26757 TYPED OR PRINTED NAME DAVID D. BERKOWITZ



CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

PROJECT LAYOUT
SHEET NO. 3 OF 12 SHEETS

GENERAL NOTES:

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" AS AMENDED SHALL GOVERN.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO AND BE INSTALLED IN ACCORDANCE WITH THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD)" AND THE "TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL", NEWEST ADDITIONS.

ROAD WORK AHEAD SIGNS SHALL BE MAINTAINED AT ALL INTERSECTING ROADS TO THE PROJECT. TYPE B CHANNELIZERS SHALL BE USED IN ALL NECESSARY LOCATIONS.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE EXCAVATING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR IS REQUIRED TO CALL GOPHER ONE CALL AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION. (651-454-2000)

THE PROJECT IS LOCATED WITHIN THE BOUNDARY OF THE COON CREEK WATERSHED DISTRICT.

CONSTRUCTION NOTES:

THE CONTRACTOR SHALL INSTALL INLET PROTECTION DEVICES ON ALL STORM SEWER STRUCTURES SUCH THAT SEDIMENT IS CAPTURED WITH A HIGH FLOW BYPASS.

COMPACTION OF ALL BITUMINOUS MIXTURE SHALL BE BY THE "SPECIFIED DENSITY METHOD" EXCEPT FOR PATCHES AND TRAILS, WHICH SHALL BE BY THE "ORDINARY COMPACTION METHOD".

ALL DISTURBED AREAS SHALL BE BACKFILLED WITH SALVAGED TOPSOIL AND SODDED IN ACCORDANCE WITH THE RESTORATION PLANS. ALL RESTORATION SHALL OCCUR WITHIN 7 DAYS OF GRADING COMPLETION. RESTORATION WORK SHALL BE COMPLETED BEFORE PAVING OF THE WEARING COURSE.

ALL EXISTING SIGNS SHALL BE REMOVED AND REPLACED BY THE ANDOVER SIGN DEPARTMENT. COORDINATE WITH MINIMUM 48 HOUR NOTICE WITH ENGINEER IN FIELD.

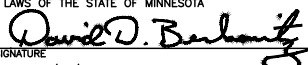
EARTHWORK NOTES:

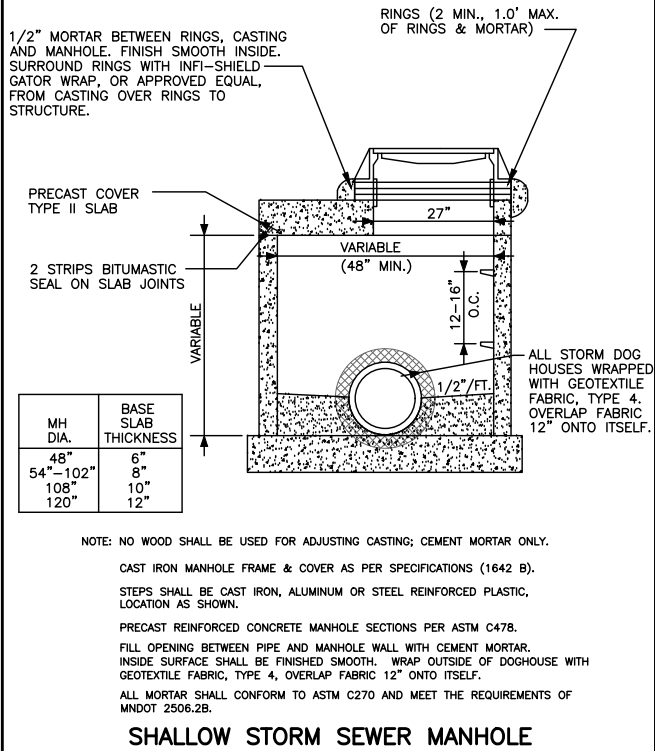
THE CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL MATERIAL, IF ANY, FOR RE-USE. RE-USED TOPSOIL SHALL BE CLEAN WITH NO SOD CHUNKS / EXISTING VEGETATION. TOPSOIL STRIPPING, IF ANY, SHALL BE CONSIDERED INCIDENTAL.

SELECT EXCAVATED MATERIALS SHALL BE UTILIZED TO THE FULLEST EXTENT WITHIN THE PROJECT LIMITS. MATERIAL FOR BACKFILL BEHIND THE CURB SHALL BE FREE OF DEBRIS. EXCESS MATERIAL GENERATED, IF ANY, SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH MNDOT 2104.3C3.

EXCESS RECLAIMED AGGREGATE BASE MATERIAL SHALL BE HAULED AND STOCKPILED BY CONTRACTOR AT ANDOVER PUBLIC WORKS, 1785 CROSSTOWN BLVD NW, AND BECOMES PROPERTY OF THE CITY.

WHEN CONNECTING NEW PAVED SURFACING TO ANY IN-PLACE PAVEMENTS, CUT VERTICALLY TO THE BOTTOM OF THE IN-PLACE PAVEMENTS OR TO THE BOTTOM OF THE NEW SURFACING, WHICHEVER IS DEEPER, THAN AT 2(V):1(H) SLOPE TO THE TOP OF THE SUBGRADE.

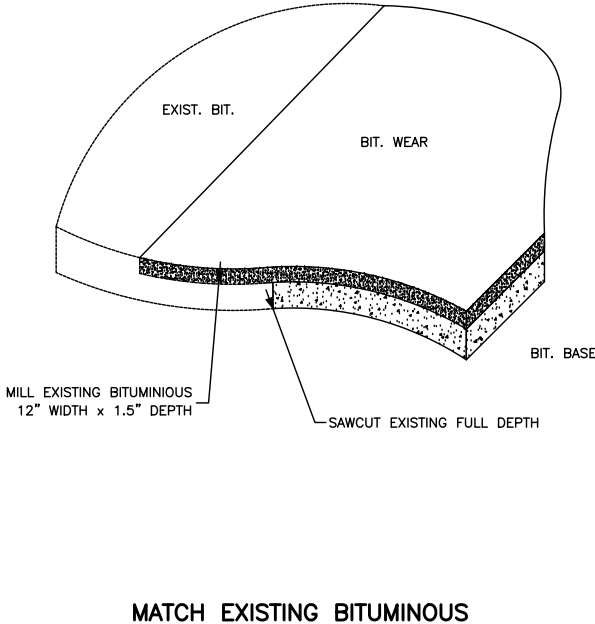
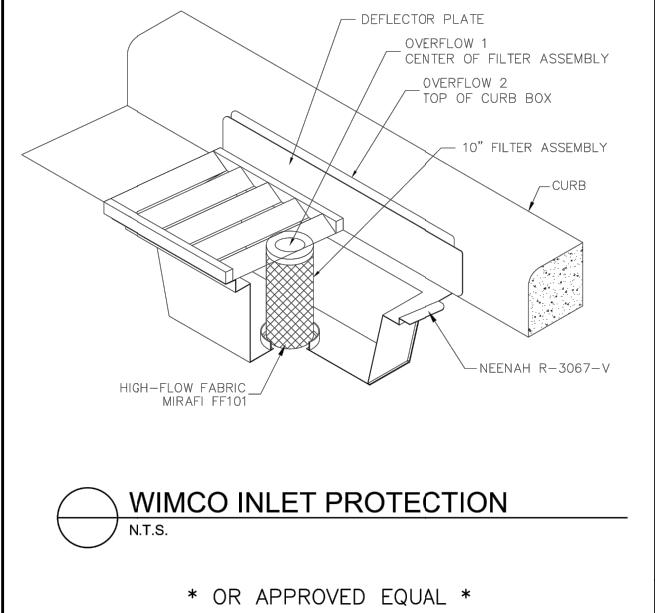
				DESIGNED JJL	DRAWN JAK	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA  DAVID D. BERKOWITZ SIGNATURE DATE 4/04/2022 LIC. NO. 26757 TYPED OR PRINTED NAME	CITY OF ANDOVER 	CITY HALL PARKING LOT RECONSTRUCTION CITY PROJECT 22-26	CONSTRUCTION NOTES
NO.	DATE	BY	DESCRIPTION OF REVISIONS	CHECKED DDB					SHEET NO. 4 OF 12 SHEETS



12/10/21

CITY OF ANDOVER

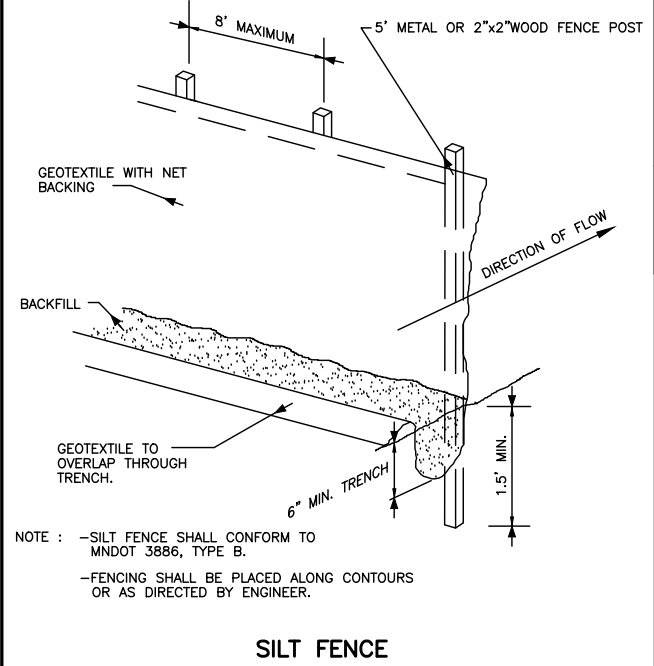
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3/08/09

CITY OF ANDOVER

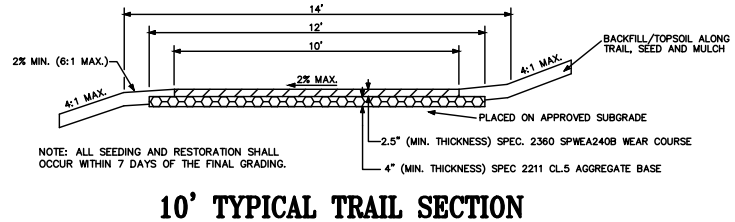
STANDARD DRAWING NO. **520**



12/26/00

CITY OF ANDOVER

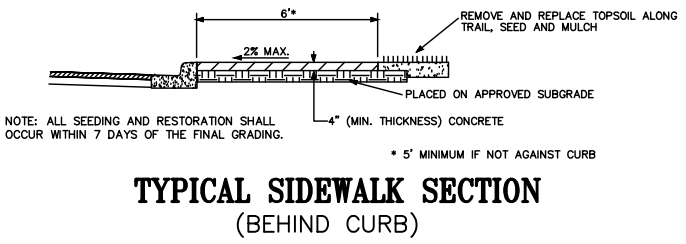
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2/13/20

CITY OF ANDOVER

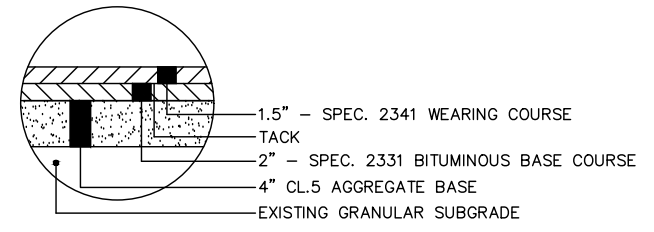
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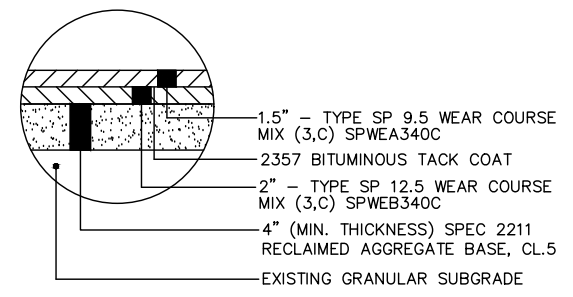
12/1/21

CITY OF ANDOVER

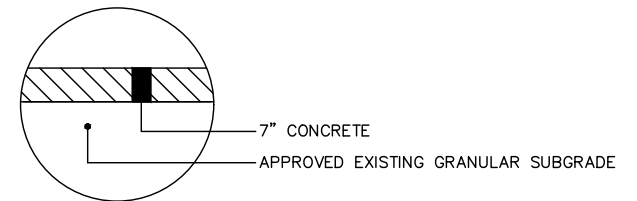
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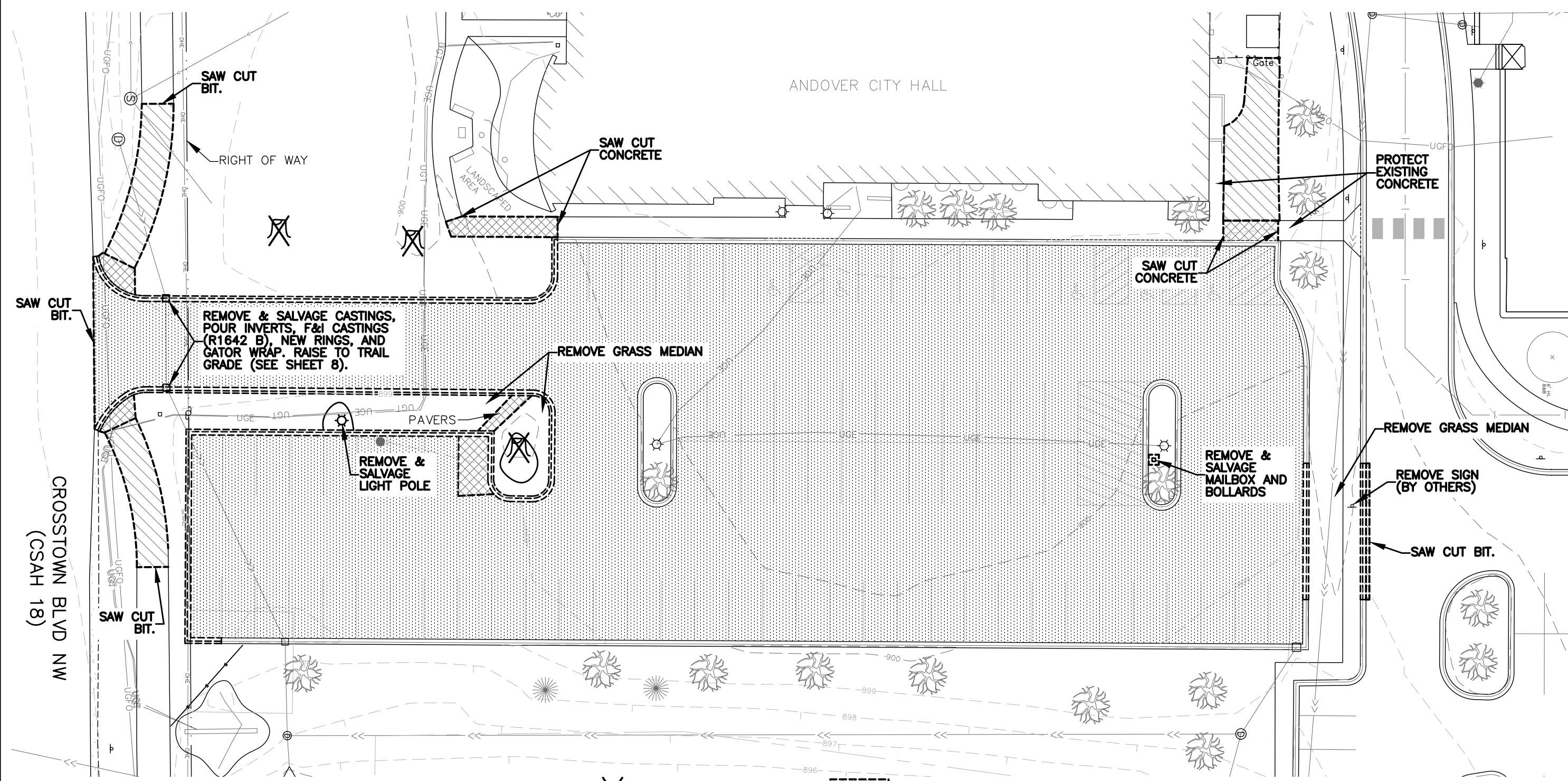
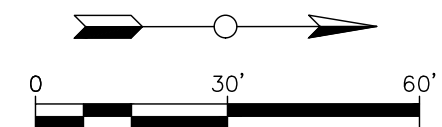
EXISTING PARKING LOT AND REAR DRIVEWAY



PROPOSED PARKING LOT AND REAR DRIVEWAY



CONCRETE MOTORCYCLE PAD AND DUMPSTER DRIVEWAY



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

- GRUB TREE STUMP (3)
- SILT FENCE
- REMOVE BITUMINOUS
- REMOVE CONCRETE OR PAVERS
- REMOVE CONCRETE CURB (B612)
- RECLAIM BITUMINOUS (7" +/- DEPTH)

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DESIGNED
JJL

DRAWN
JAK

CHECKED
DDB

I HEREBY CERTIFY THAT THIS PLAN 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

DAVID D. BERKOWITZ
TYPED OR PRINTED NAME

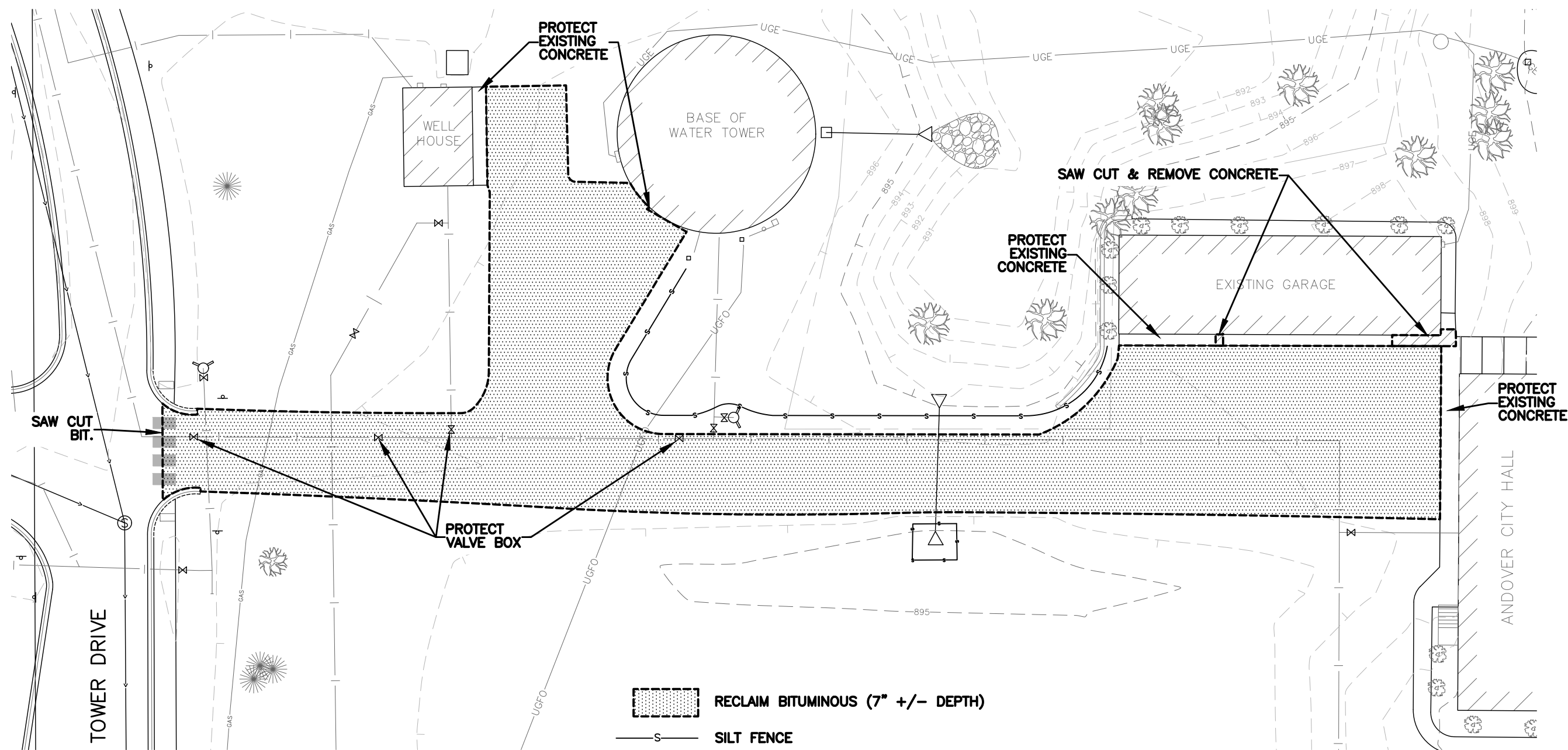
DATE 4/04/2022

LIC. NO. 26757



CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

REMOVALS & STORM SEWER –
PARKING LOT
SHEET NO. 6 OF 12 SHEETS



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DESIGNED JJL	DRAWN JAK
CHECKED DDB	

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David D. Berkowitz

SIGNATURE DATE 4/04/2022 LIC. NO. 26757

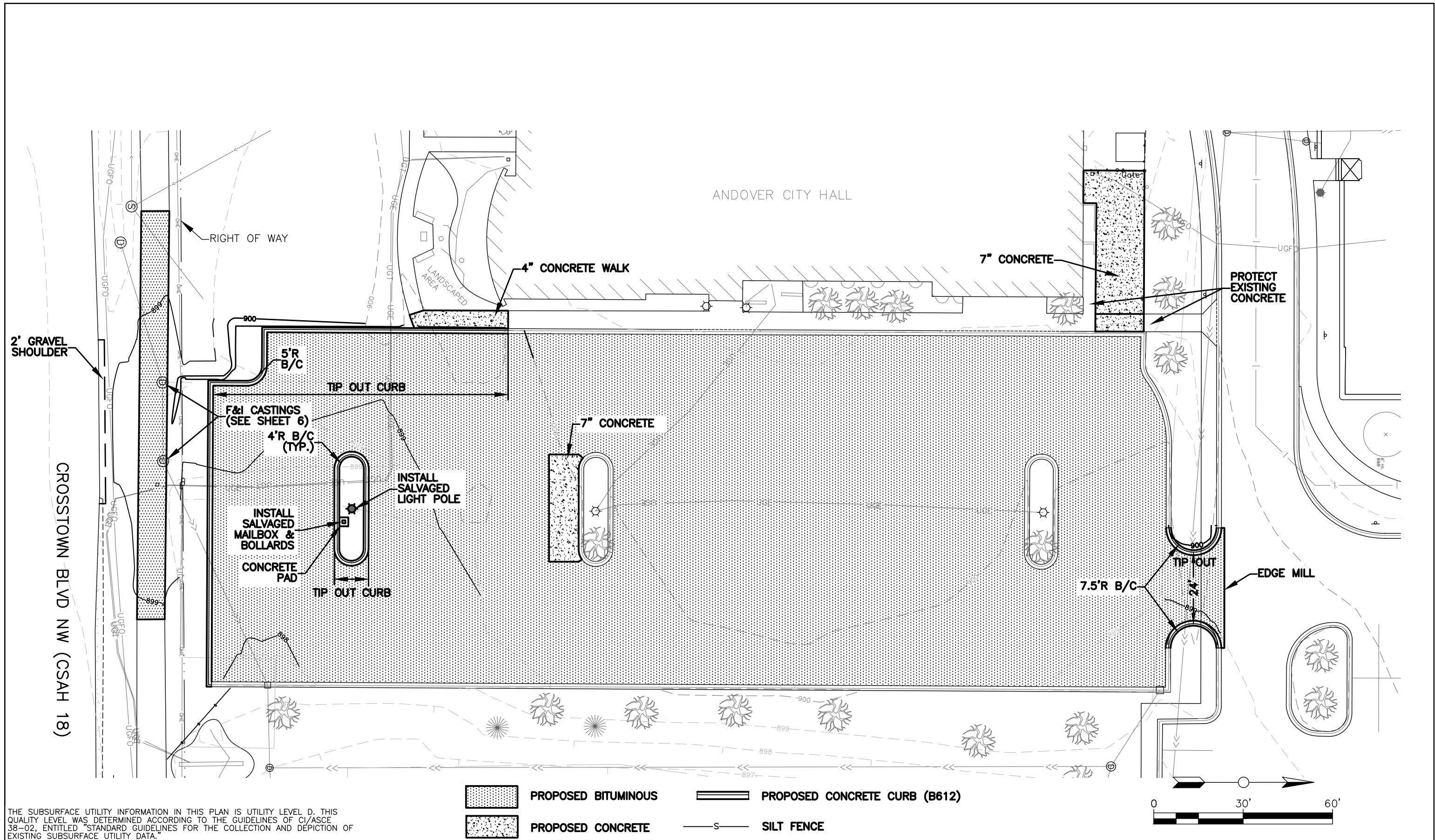
DAVID D. BERKOWITZ
TYPED OR PRINTED NAME



CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

REMOVALS - REAR DRIVEWAY

SHEET NO. 7 OF 12 SHEETS



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

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DESIGNED JJL	DRAWN JAK
CHECKED DDB	

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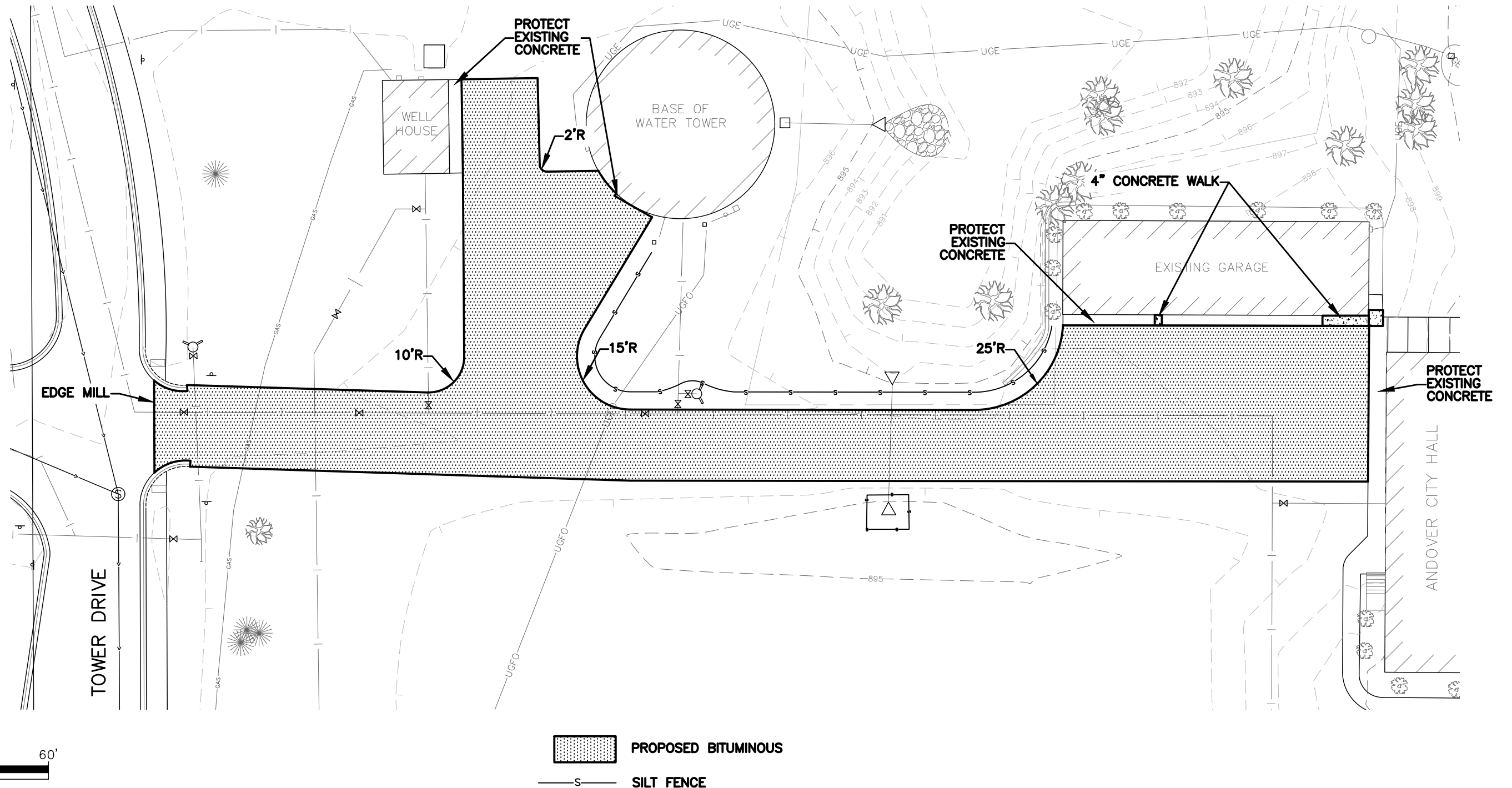
David D. Berkowitz
SIGNATURE
DATE 4/04/2022 LIC. NO. 26757

DAVID D. BERKOWITZ
TYPED OR PRINTED NAME



CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

PROPOSED SITE PLAN -
PARKING LOT
SHEET NO. 8 OF 12 SHEETS



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NO.	DATE	BY	DESCRIPTION OF REVISIONS

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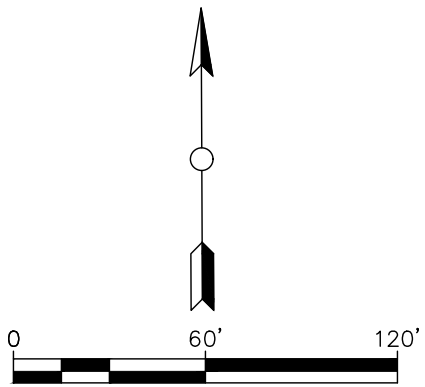
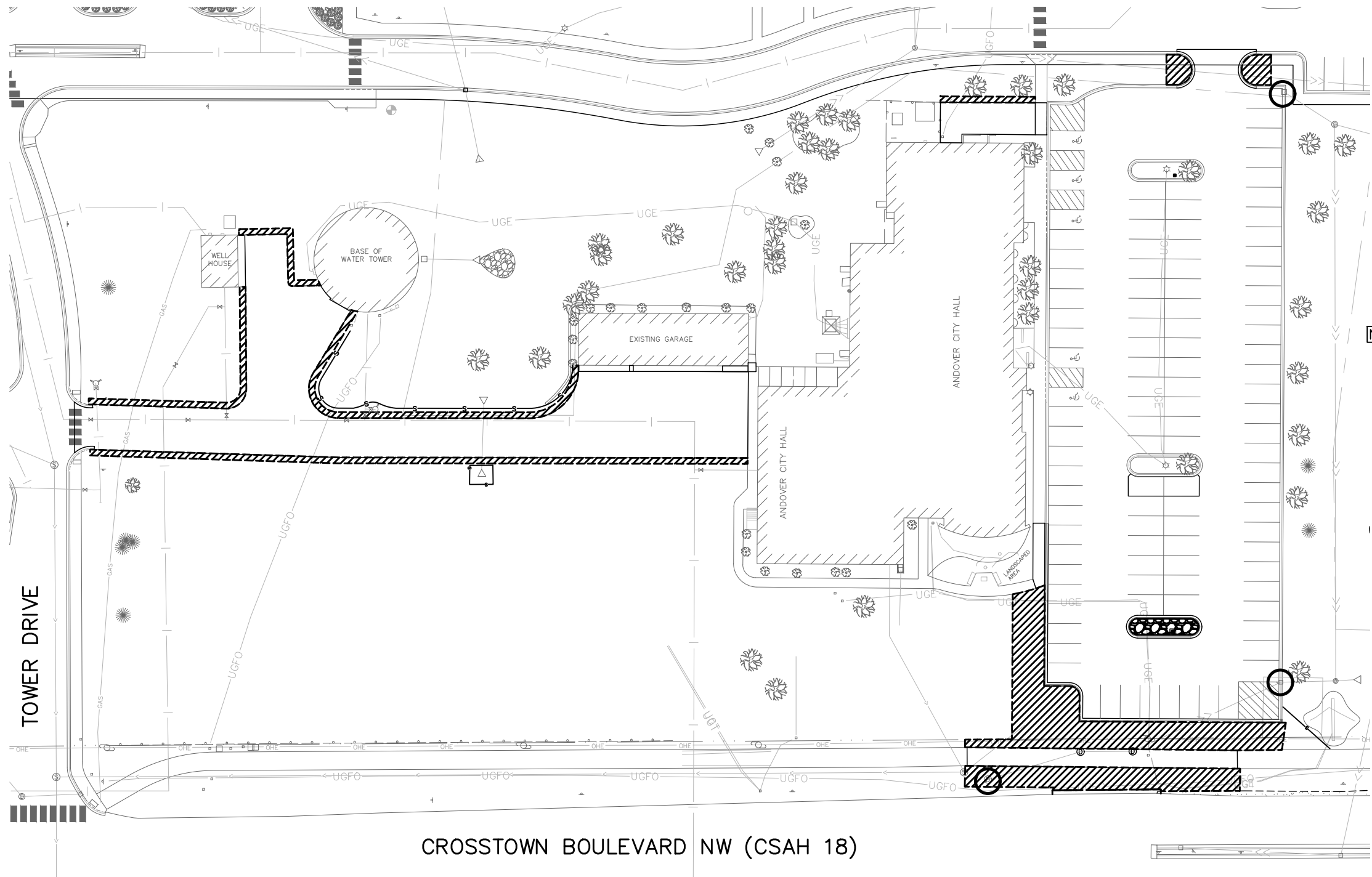
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

David D. Berkowitz
 SIGNATURE
 DATE 4/04/2022 LIC. NO. 26757
 DAVID D. BERKOWITZ
 TYPED OR PRINTED NAME

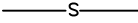


CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

PROPOSED SITE PLAN –
REAR DRIVEWAY
SHEET NO. 9 OF 12 SHEETS



- NOTES:**
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL FROM CONSTRUCTION LIMITS. RE-USE CLEAN TOPSOIL IN DISTURBED, NON-PAVED AREAS.
 2. ALL STORM SEWER STRUCTURES SHALL BE PROTECTED BY APPROVED INLET PROTECTION WITH HIGH FLOW BYPASS. CLEAN AS NECESSARY.
 3. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED ACCORDING TO THE MPCA BEST MANAGEMENT PRACTICES MANUAL, SWPPP, AND THE MINNESOTA STORM WATER MANUAL.
 4. RESTORATION WORK SHALL BE COMPLETED WITHIN 7 DAYS OF GRADING COMPLETION.
 5. THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL DEVICES ONCE VEGETATION HAS BEEN ESTABLISHED.

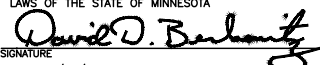
-  4" TOPSOIL AND SOD
-  LANDSCAPE FABRIC AND ROCK (BY OTHERS)
-  STORM SEWER INLET PROTECTION
-  SILT FENCE

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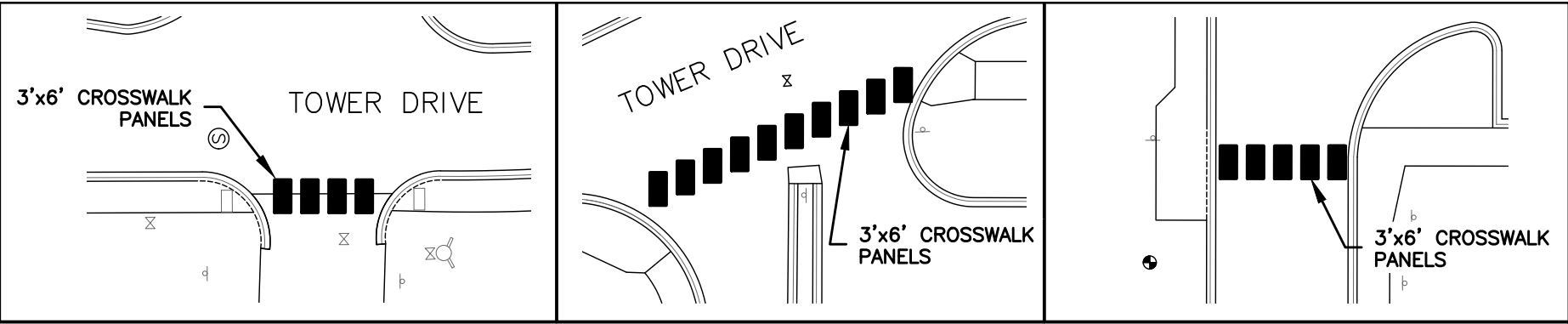
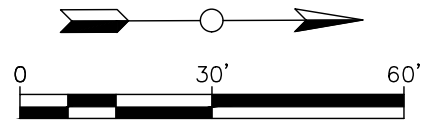
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA


DAVID D. BERKOWITZ
DATE 4/04/2022 LIC. NO. 26757

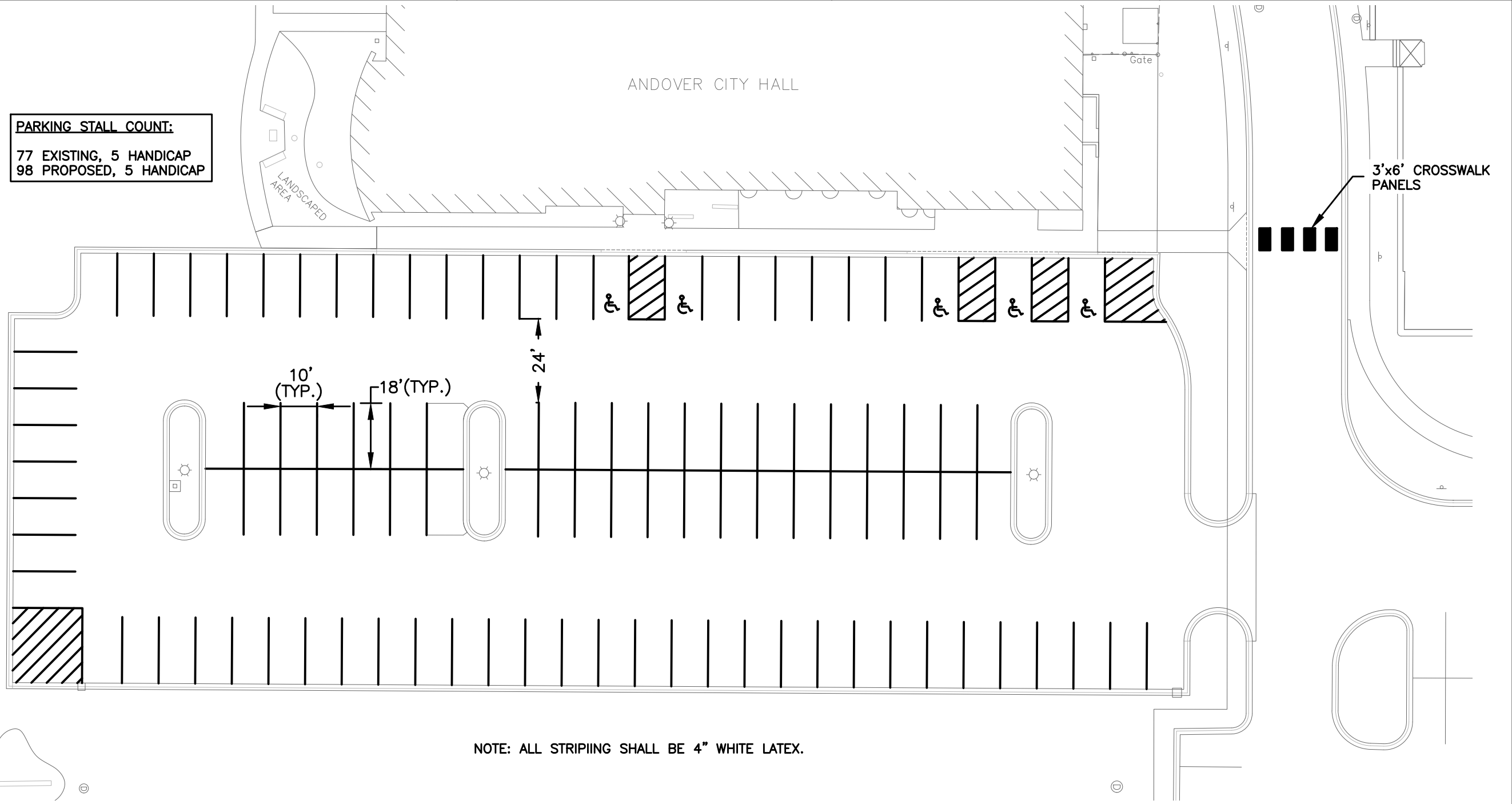


CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

RESTORATION & EROSION CONTROL
SHEET NO. 10 OF 12 SHEETS



PARKING STALL COUNT:
77 EXISTING, 5 HANDICAP
98 PROPOSED, 5 HANDICAP



NOTE: ALL STRIPIING SHALL BE 4" WHITE LATEX.

NO.	DATE	BY	DESCRIPTION OF REVISIONS

DESIGNED JJL
DRAWN JAK
CHECKED DDB

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SIGNATURE DATE 4/04/2022 LIC. NO. 26757
DAVID D. BERKOWITZ
TYPED OR PRINTED NAME

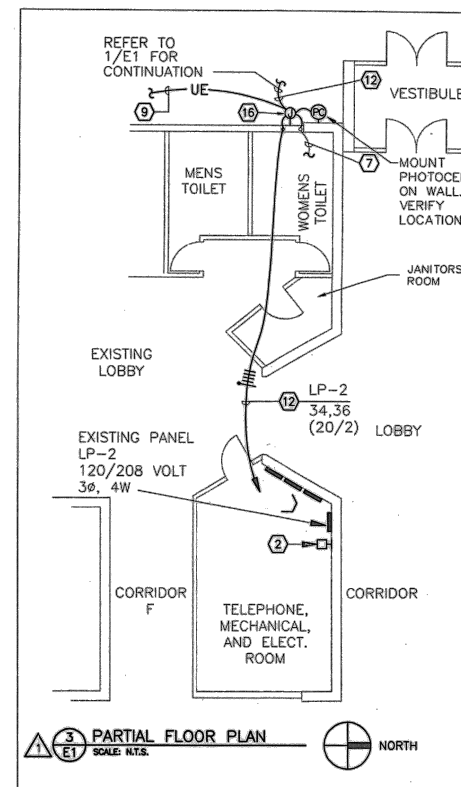
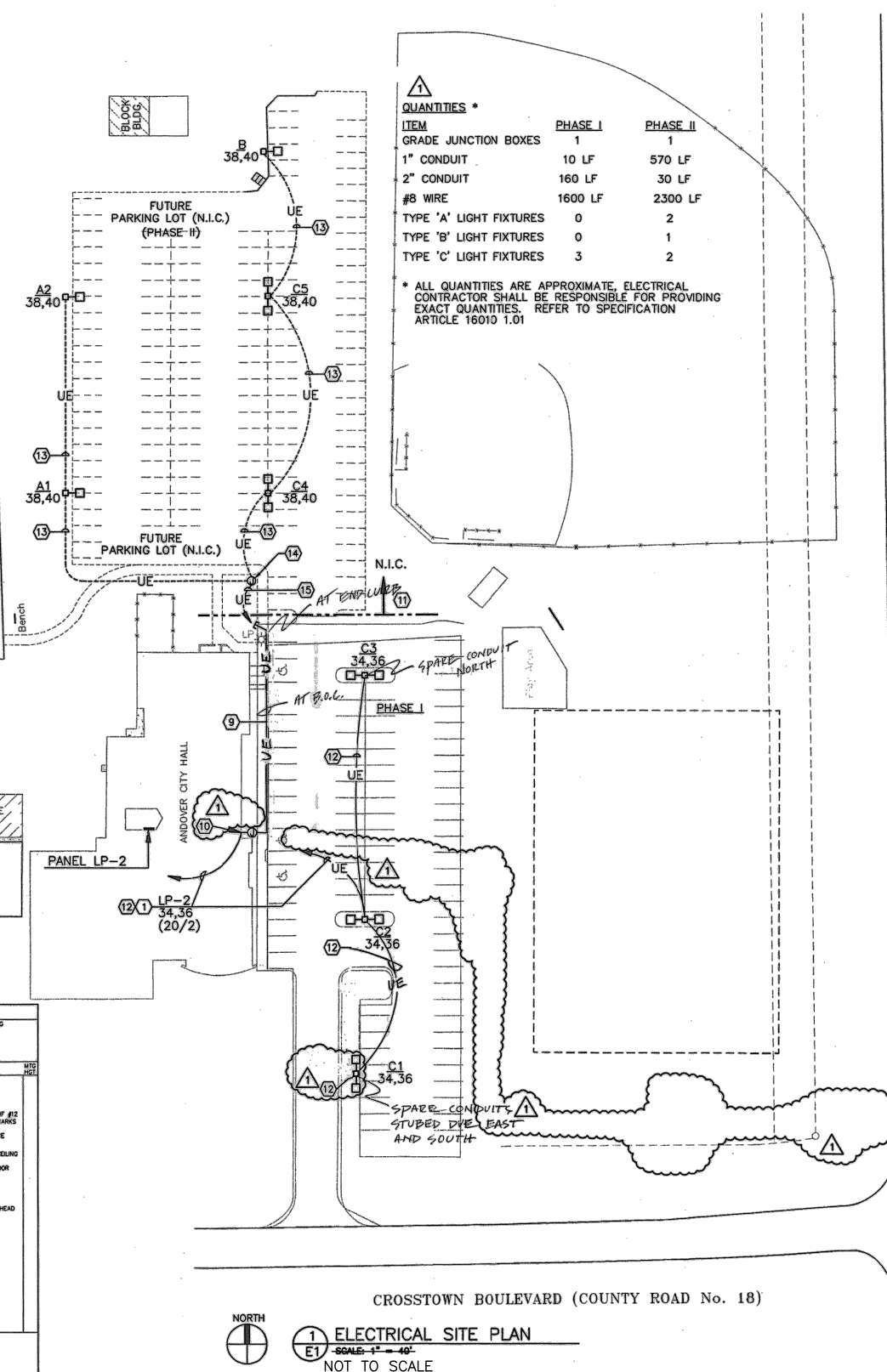
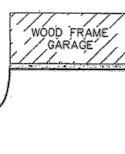


CITY HALL PARKING LOT RECONSTRUCTION
CITY PROJECT 22-26

STRIPING
SHEET NO. 11 OF 12 SHEETS



LIGHTING FIXTURE SCHEDULE

[illegible]

- SPECIFIC NOTES:

- ① ROUTE THRU TIME CLOCK TC-1.
- ② NEW TIME CLOCK TC-1.
- ③ NOT USED.
- ④ NOT USED.
- ⑤ NOT USED.
- ⑥ NOT USED.
- ⑦ SPARE 1" EMPTY CONDUIT STUB FROM EXTERIOR JUNCTION BOX TO CEILING SPACE OF TOILET ROOM AND CAP.
- ⑧ GRADE MOUNTED JUNCTION BOX, REFER TO SPECIFICATION ARTICLE 16100 FOR FUTURE LIGHTING EXTENSION.
- ⑨ STUB A 2" EMPTY CONDUIT OUT TO ISLAND AND CAP, PROVIDE PULLWIRE. FOR FUTURE PARKING LOT LIGHTING.
- ⑩ REFER TO DETAIL 3/E1.
- ⑪ ALL WORK SHOWN IN FUTURE PARKING LOT IS NOT PART OF THIS CONTRACT.(PHASE II)
- ⑫ PARKING LOT LIGHTING CIRCUIT, 1" C, PVC-2 #8 + 1 #8 GND, XHHW, CU.
- ⑬ PARKING 1" C, PVC-2 #8 + 1 #8 GND, XHHW, CU.
- ⑭ FUTURE GRADE MOUNTED JUNCTION BOX REFER TO SPECIFICATION ARTICLE 16100.
- ⑮ FUTURE PARKING LOT LIGHTING HOME RUN TO PANEL LP-2, CIRCUITS 38 & 40, PROVIDE NEW 20/2 CIRCUIT BREAKER. UTILIZE CONDUIT IN SPECIFIC NOTE 9. 2" C. PVC-2 #8 + 1 #8, XHHW, CU.
- ⑯ 6"X6"X6" NEMA 4 JUNCTION BOX, MOUNTED 12" ABOVE FINISHED GRADE. VERIFY GRADE HEIGHT WITH CITY ENGINEER.

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--	--

SCALE AS NOTED	
DRAWN BY WME	DATE 1/14/00
CHECKED BY JRO	DATE
APPROVED BY JRO	DATE

SHEET	E1
PROJECT NO.	455
DRAWING NO.	455E1.dwg

I HEREBY CERTIFY THAT THIS PLAN 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

David D. Berkowitz

SIGNATURE _____

DAVID D. BERKOWITZ
TYPED OR PRINTED NAME



LIGHT POLE BASE DETAIL AND
EXISTING ELECTRICAL PLAN
SHEET NO. 12 OF 12 SHEETS