

Township of Hamilton

Atlantic County, New Jersey 08330

2023 Community Block Development Grant Underhill Park Improvements

BID# 2024-04
March, 2024

Township Committee

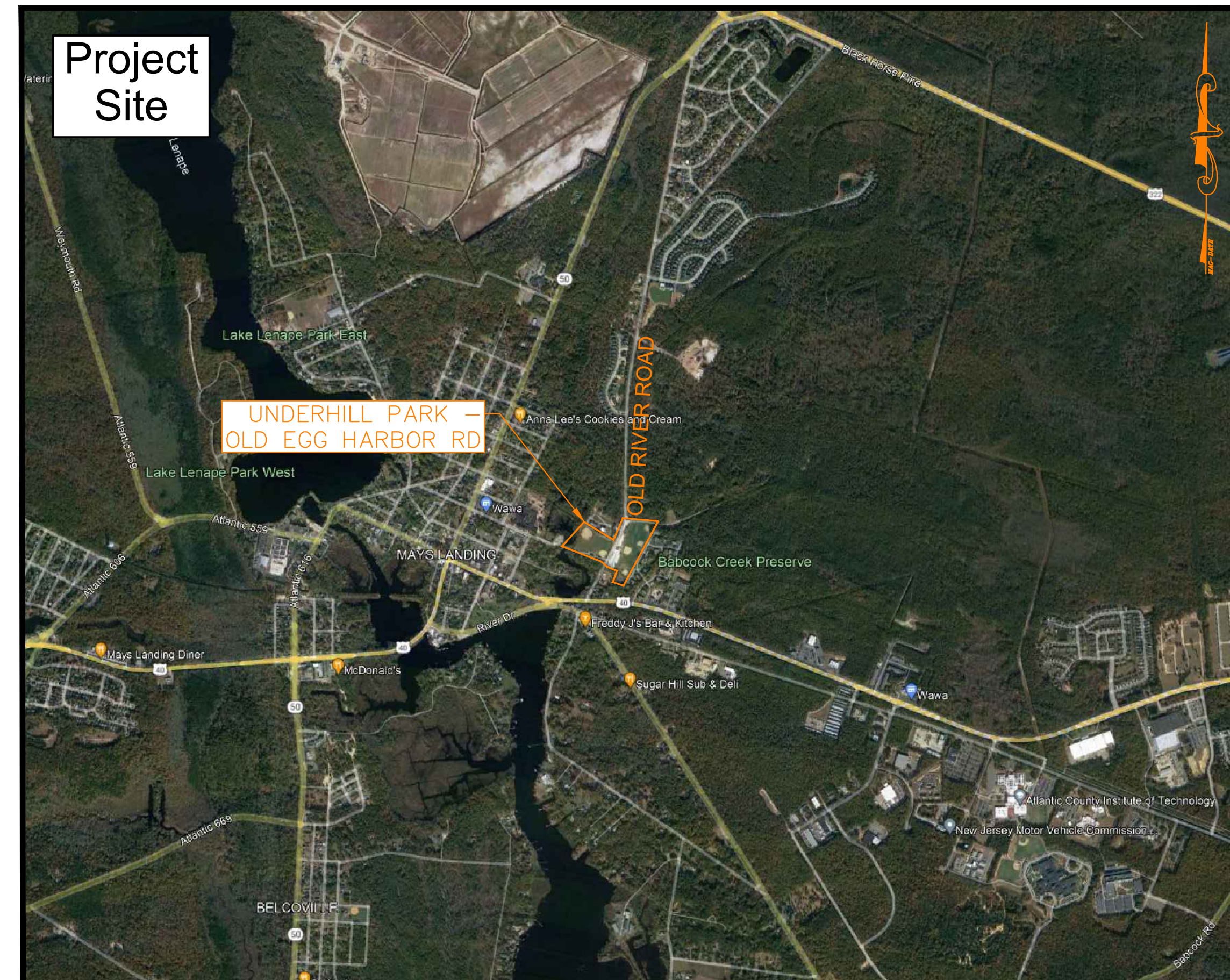
Art Schenker, Mayor
Robert Laws, Deputy Mayor
Richard Cheek
Carl Pitale
Dr. Thelma Witherspoon

Township Administrator

Brett Noll

Township Clerk

Rita Martino, RMC



Location Map

Scale: 1" = 2,000'

MOTT WATKINS ASSOCIATES, LLC
CONSULTING ENGINEERS & PLANNERS

3120 Fire Road, Suite B201
Egg Harbor Township, New Jersey 08234
(609) 569-1551

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NJDOT SECTION #	PLAN QUANTITY	IF AND WHERE QUANTITY	CONTRACT QUANTITY	AS-BUILT QUANTITY
1	CLEARING SITE	LUMP SUM	159	1	0	1	
2	TRAFFIC CONTROL	LUMP SUM	159	1	0	1	
3	EXCAVATION, 2" THICK & VARIABLE	C.Y.	202	218	80	298	
4	DENSE GRADED AGGREGATE BASE COURSE, 2" THICK & VARIABLE	C.Y.	302	108	90	198	
5	ASPHALT WALKING PATH, 8' WIDE	S.Y.	401	426	0	426	
6	REMOVE & REPLACE ASPHALT DRIVEWAY APRON, 2" THICK, IF & WHERE DIRECTED	TON	401	0	25	25	
7	DUGOUT	UNIT	N/A	1	0	1	
8	CHAIN LINK FENCE, 6' HIGH	L.F.	N/A	1,454	0	1,454	
9	CHAIN LINK FENCE, 8' HIGH	L.F.	N/A	834	0	834	
10	CHAIN LINK FENCE, 16' HIGH	L.F.	N/A	340	0	340	
11	CHAIN LINK FENCE - SLIDE GATE 6' HIGH	UNIT	N/A	2	0	2	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	606	496	0	496	
13	CONCRETE PARKING PAD, 6" THICK	S.Y.	606	68	0	68	
14	CONCRETE HANDICAP RAMP, ADA ACCESSIBLE, W/ DETECTABLE WARNING SURFACE	UNIT	606	5	0	5	
15	CRUSHED CLAM SHELLS, 2" THICK	S.Y.	606	444	20	464	
16	SOLAR LED EDGE LIT CROSSWALK WARNING SIGN	UNIT	612	4	0	4	
17	SIGNS	UNIT	612	2	0	2	
18	PROJECT SIGN	LUMP SUM	612	1	0	1	
19	TOPSOILING, 4" THICK	S.Y.	804	1,500	0	1,500	
20	HYDROSEEDING	S.Y.	806	1,500	0	1,500	
21	CONCESSION STAND RESTROOM - RENOVATION	LUMP SUM	N/A	1	0	1	

ESTIMATE OF QUANTITIES - SUPPLEMENTAL BID #1

ITEM NO.	DESCRIPTION	UNIT	NJDOT SECTION #	PLAN QUANTITY	IF AND WHERE QUANTITY	CONTRACT QUANTITY	AS-BUILT QUANTITY
S1-1	HMA PROFILE MILLING, 1.5" & VARIABLE	S.Y.	401	2460	0	2460	
S1-2	HOT MIX ASPHALT SURFACE COURSE, MIX 9.5M64, 2.5" THICK	TON	401	370	0	370	
S1-3	TRAFFIC STRIPES, LINES, LONG-LIFE, EPOXY RESIN, 6" THICK	L.F.	610	88	22	110	
S1-4	TRAFFIC STRIPES, LINES, LONG-LIFE, EPOXY RESIN, 4" THICK	L.F.	610	3550	0	3550	
S1-5	TWO-WAY PLOWABLE BI-DIRECTIONAL AMBER PAVEMENT REFLECTORS AND CASTINGS	UNIT	610	22	0	22	
S1-6	TWO-WAY PLOWABLE MONO-DIRECTIONAL WHITE PAVEMENT REFLECTORS AND CASTINGS	UNIT	610	44	0	44	
S1-7	TRAFFIC CONTROL	LUMP SUM	159	1	0	1	

ESTIMATE OF QUANTITIES - SUPPLEMENTAL BID #2

ITEM NO.	DESCRIPTION	UNIT	NJDOT SECTION #	PLAN QUANTITY	IF AND WHERE QUANTITY	CONTRACT QUANTITY	AS-BUILT QUANTITY
S2-1	CHAIN LINK FENCE, 4' HIGH	L.F.	N/A	600	0	600	
S2-2	CHAIN LINK FENCE - GATE 4' HIGH 6' WIDE	UNIT	N/A	3	0	3	

General Notes

- The locations of all existing utilities shown on this plan are approximate. The Contractor is responsible for verifying the location and depths of all existing subsurface utilities prior to the start of construction. It is also the Contractor's responsibility to obtain a mark-out of all existing utilities by calling 1-800-272-1000 prior to any land disturbance.
- Prior to the start of construction the Contractor shall verify all topographic information for the entire site from the provided benchmarks. If any conflicts arise, the Contractor shall notify the Engineer immediately so any errors can be corrected without loss of time.
- The Contractor shall be completely responsible for ensuring that all materials, methods and details for the construction of the improvements shall conform to the applicable statutes, regulations, ordinances and standards over the governmental bodies having jurisdiction over such work. This responsibility shall include, but not be limited to the following:
 - Conformity with the approved plans as well as standards and specifications of the municipality.
 - Correction of all defects in the work, no matter what the cause, until the date of acceptance and thereafter for the period of any guarantee which runs beyond the date of acceptance.
 - Solution of any problem, unforeseen at the time of the approval of the plans, which may or do impair the integrity of any improvements, including problems such as high ground water, unstable soil, clay under basin bottom, etc.
- The Contractor shall procure ALL required building permits, licenses, inspections, and give notices necessary for and incidental to the due and lawful prosecution of the work.
- The Contractor shall be responsible for all clearing, grubbing, restoring, paving, topsoiling, fertilizing and seeding all areas disturbed by his activities, as directed by the Engineer or as shown on the plans.
- Efforts shall be made by the Contractor to retain existing trees, vegetation and natural characteristics of the site when possible.
- All soil erosion and sediment control measures shall be in accordance with the details herein and the "Standards for Soil Erosion and Sediment Control in New Jersey".
- No material shall be placed, nor any disturbance permitted beyond the project property line or right-of-way without the written permission of the property owners directly involved. Evidence of any such agreement must be submitted to the Engineer.
- The Contractor is responsible for providing traffic control, as directed by the Engineer and/or the Hamilton Township Police Department, in accordance with the MUTCD standards and NJDOT Specifications for Road and Bridge Construction 2019, Section 617, and as amended. Traffic Control shall be included within the bid price, no separate bid item is designated for this.
- Construction details are included with this set of plans. Any required detail not included with this set shall come from the NJDOT's "Standard Roadway Construction Details" (English Units), issued 2019 and as amended. If there is a conflict between NJDOT Standard Detail and the Details included in this set of plans, the Details included herewith shall govern.
- The Contractor is advised to use the Site Benchmarks as listed and to not use ground elevations from the profiles or cross-sections.
- No development, including clearing and land disturbance, is permitted in wetlands or wetland buffers.
- All material left over from excavation and stripping shall be removed from the project site at the contractors own expense unless Engineer or Owner directs otherwise.
- *The New Jersey Department of Transportation Standard Roadway Construction/Traffic Control/Bridge Construction Details Booklet dated 2019 as amended and Electrical Bureau Standard Details, 2019" as amended and All baseline Document Changes made to these construction Details, shall govern except for those details contained herein. All work is obligated to comply with latest edition of MUTCD.
- The project scope includes: replacement of existing fencing for sport fields, renovation of concession stand bathrooms, increase in site parking stalls, re-paving/re-striping a portion of Old Egg Harbor Road, and various safety/access improvements to the park.

Index of Drawings

Order	Sheet	Description
1	COVER	Cover
2	ADA-DET	ADA Ramp Details
3	CON-DET	Construction Details
4	DUGOUT	Dugout Construction Details
5	TCF	Traffic Control Plan
6	KEY-MAP	Site Key Map
7	EX-WEST	Existing Conditions & Demolition Plan - West Fields
8	SITE-W	Site Plan - West Fields
9	EX-EAST 1	Existing Conditions & Demolition Plan - Fields B & C
10	SITE-E1	Site Plan - Fields B & C
11	EX-EAST 2	Existing Conditions & Demolition Plan - Fields D, E, & X
12	SITE-E2	Site Plan - Fields D, E, & X

Utilities Information

South Jersey Gas	1-800-582-7060
Atlantic City Electric	1-800-833-7476
Verizon Telephone	1-800-837-4966
Comcast Cable	1-800-934-6489
New Jersey American Water Co.	1-800-652-6987
Atlantic County MUA	1-609-272-6950
Utility Markout	1-800-272-1000

DATE: 3/1/2024

Robert A. Watkins
Professional Engineer
New Jersey License No. 45865

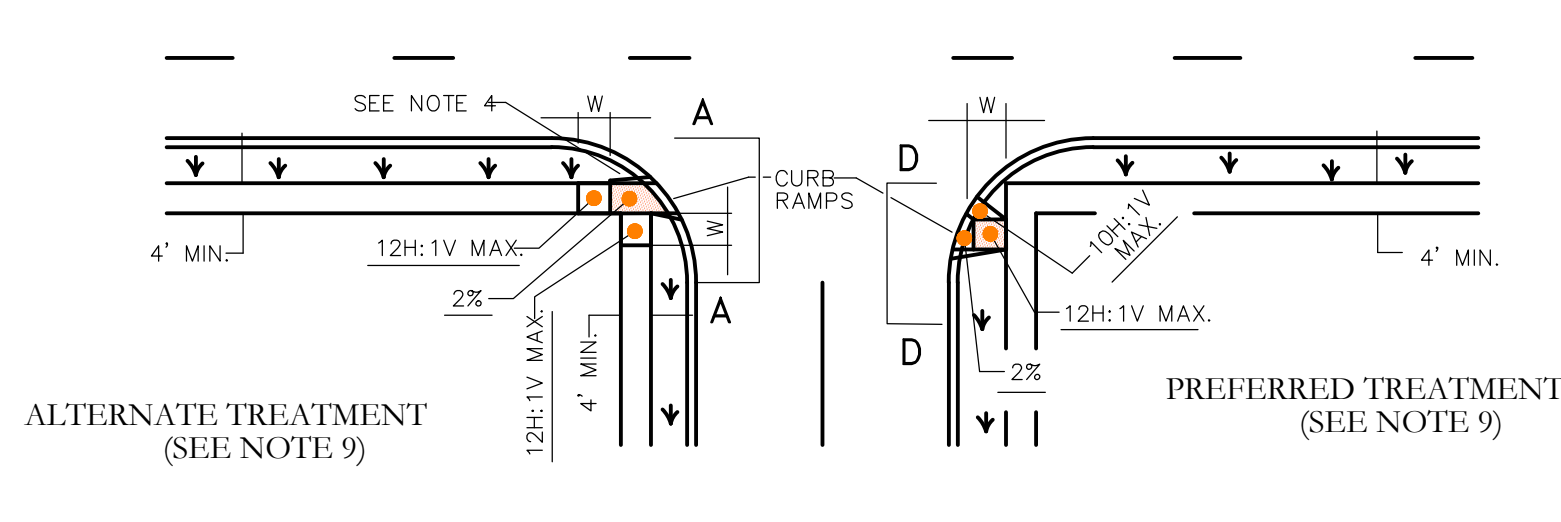
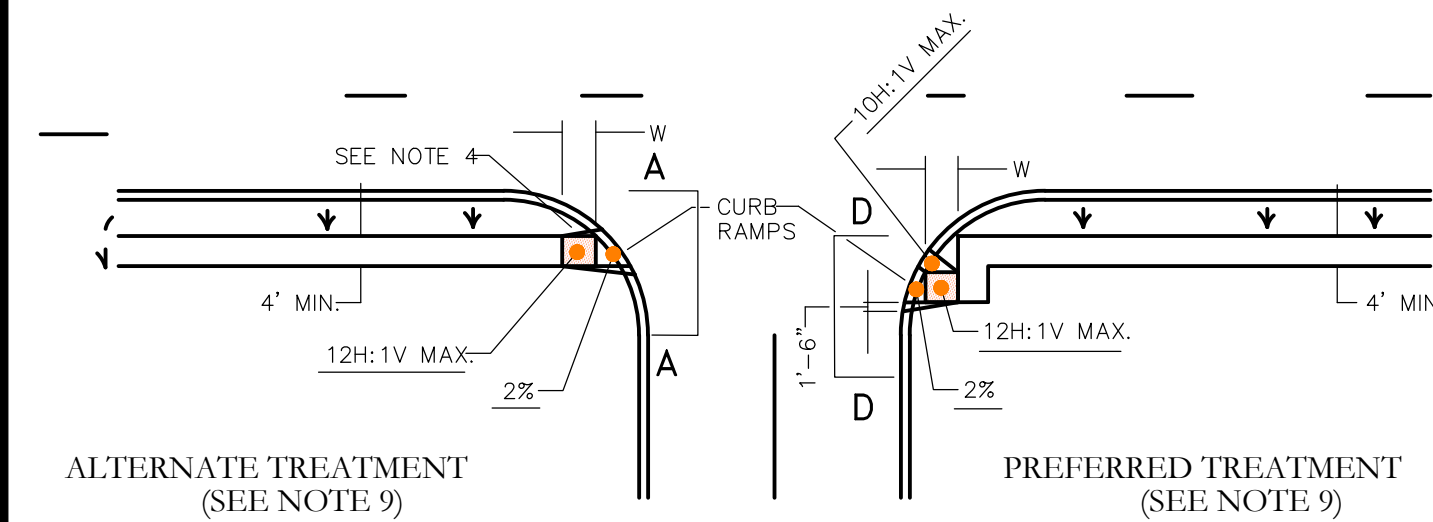
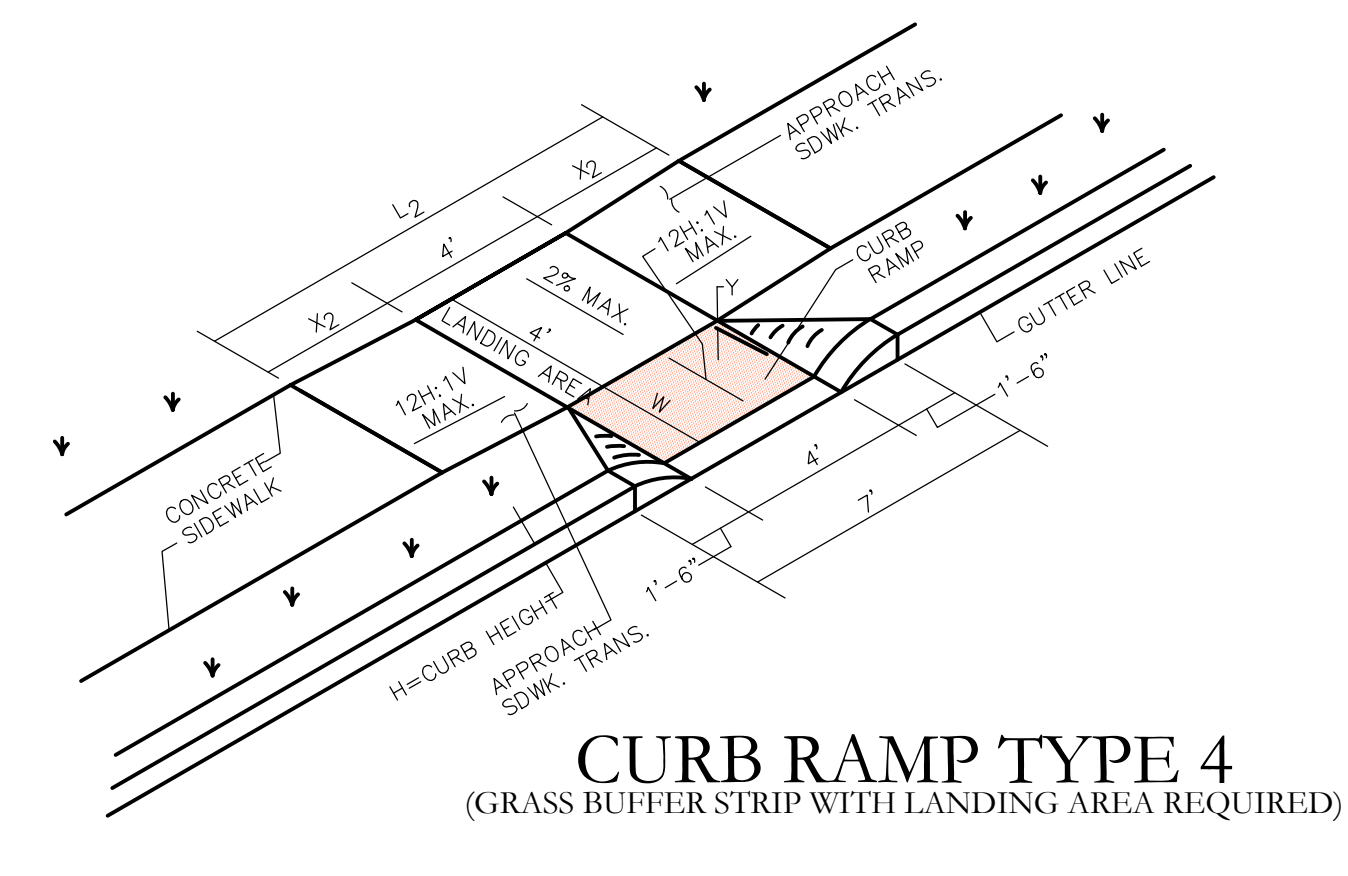
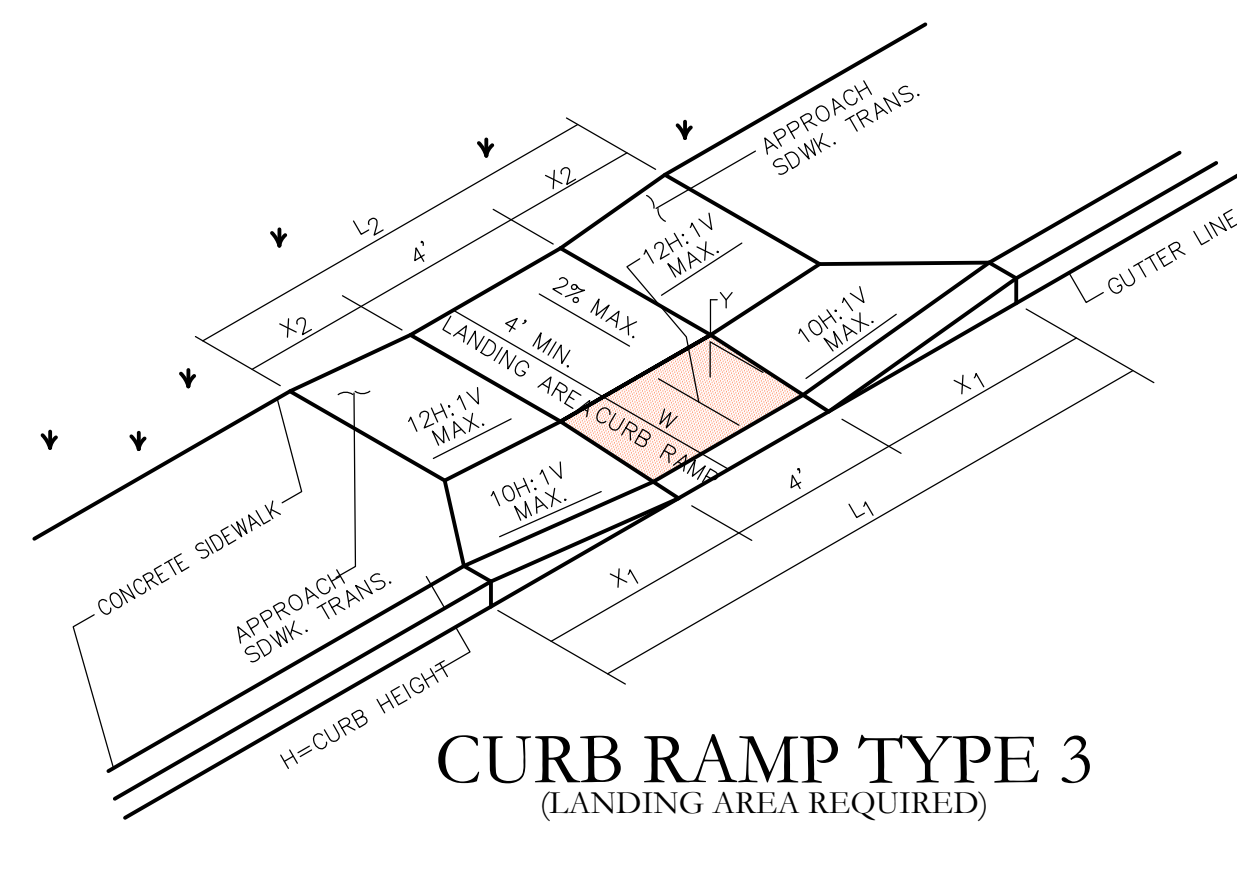
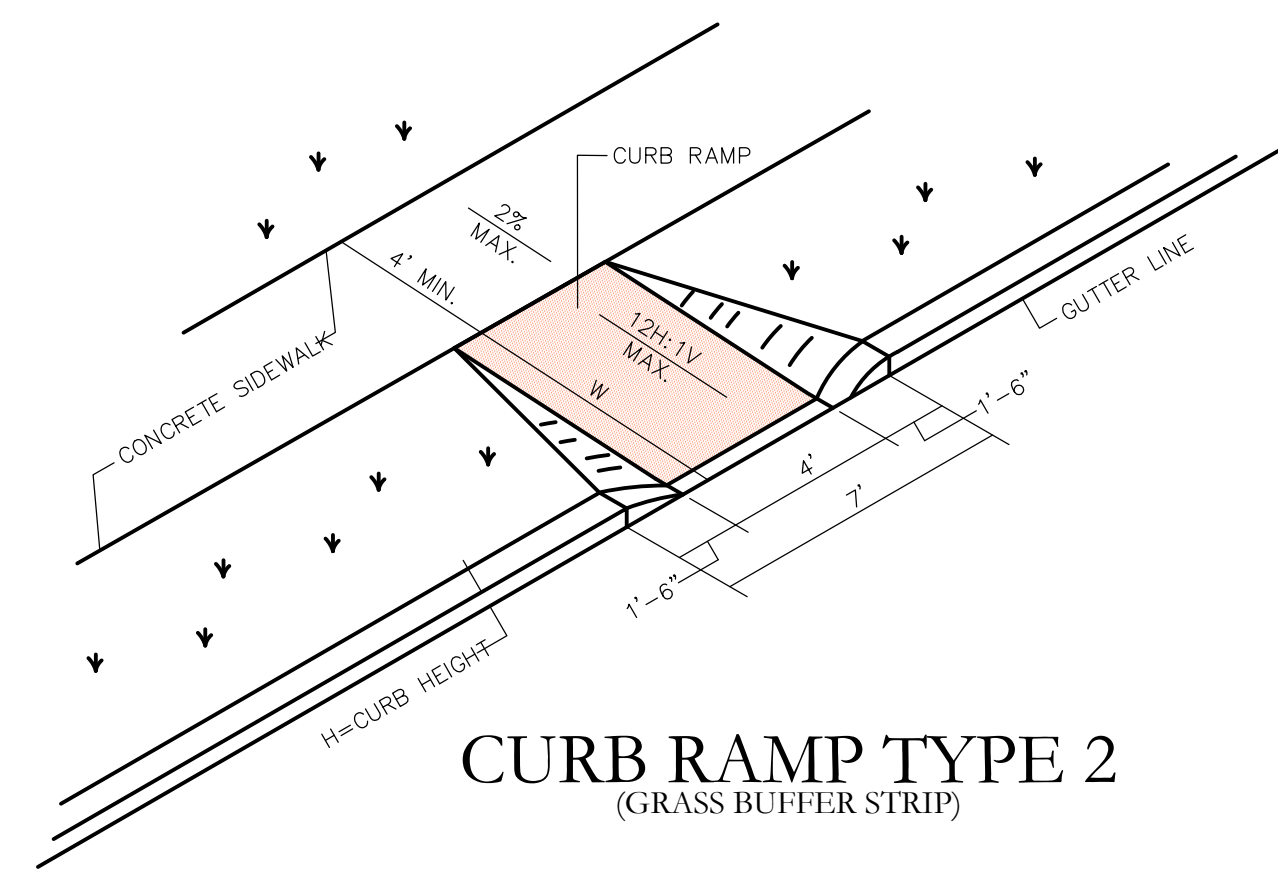
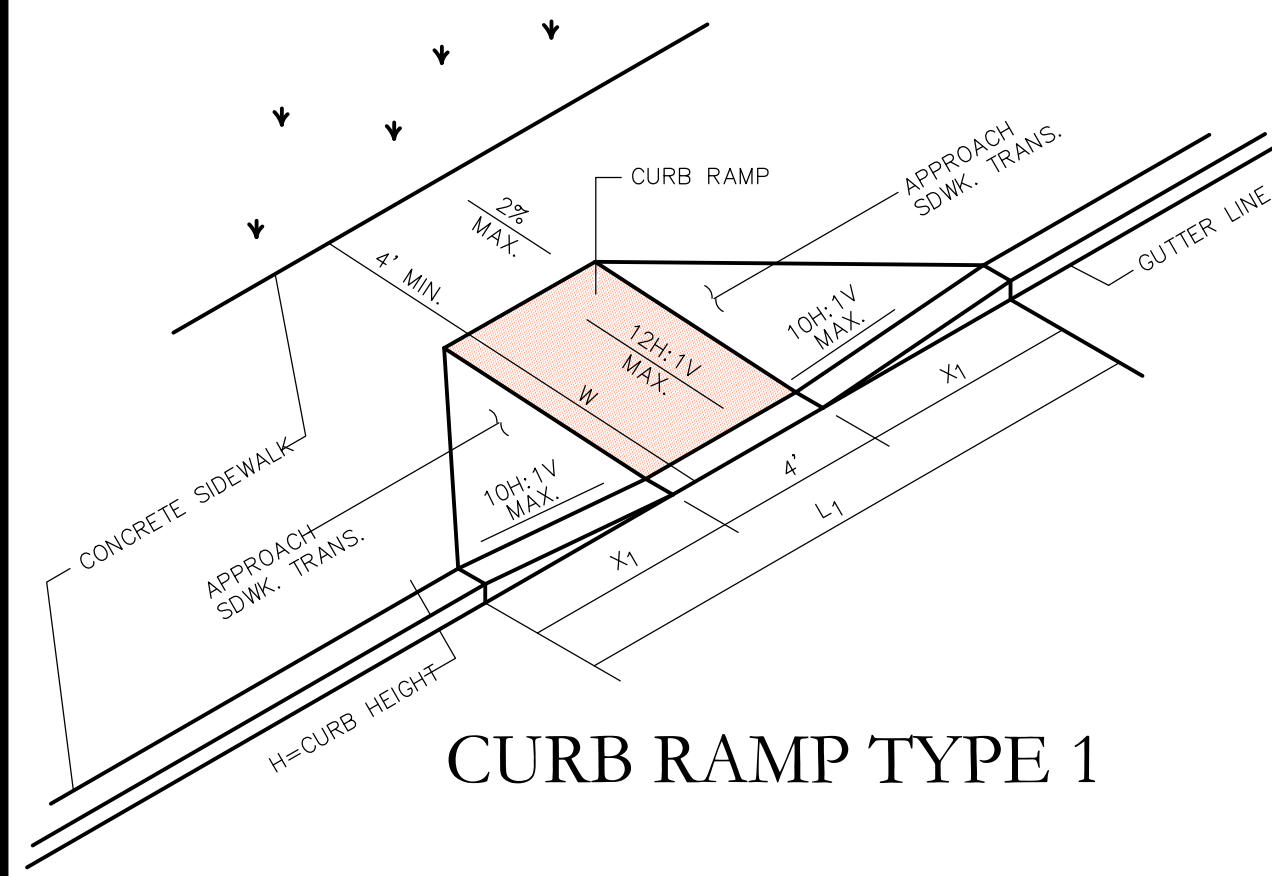


Robert A. Watkins Date: 3/1/2024

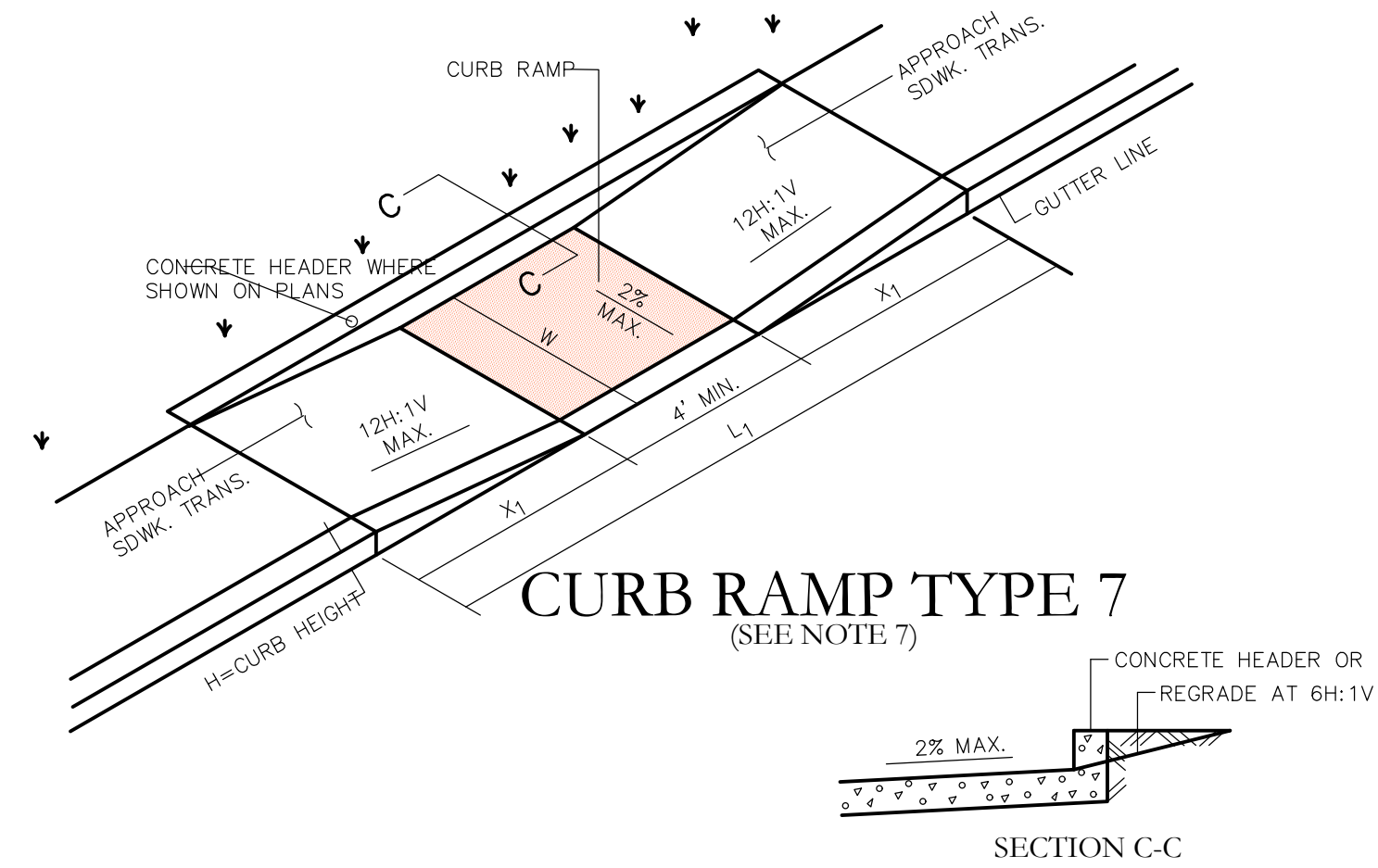
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Township of Hamilton
 Atlantic County, New Jersey 08330
2023 CBDG - Underhill Park Improvements
 ADA RAMP DETAILS

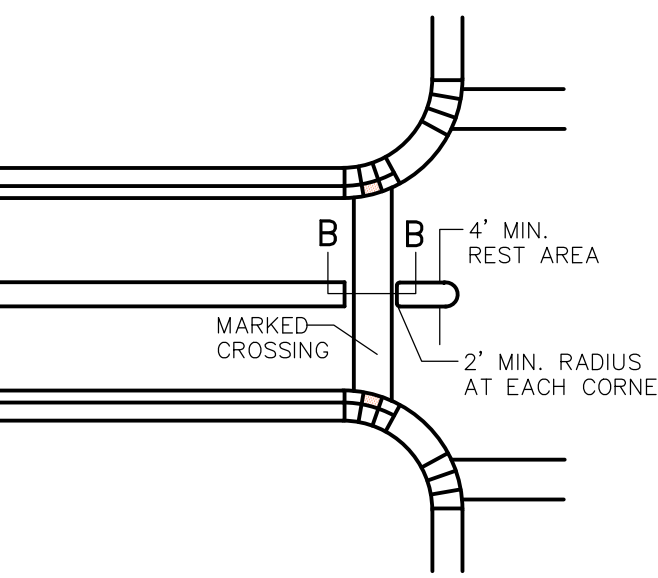


W FEET	H INCHES	X1 FEET	L1 FEET
4 MIN. 6 MAX.	3	3	11
	4	4	13
	5	5	15
	6	6	17
	7	7	19
	8	8	21
	9	9	23

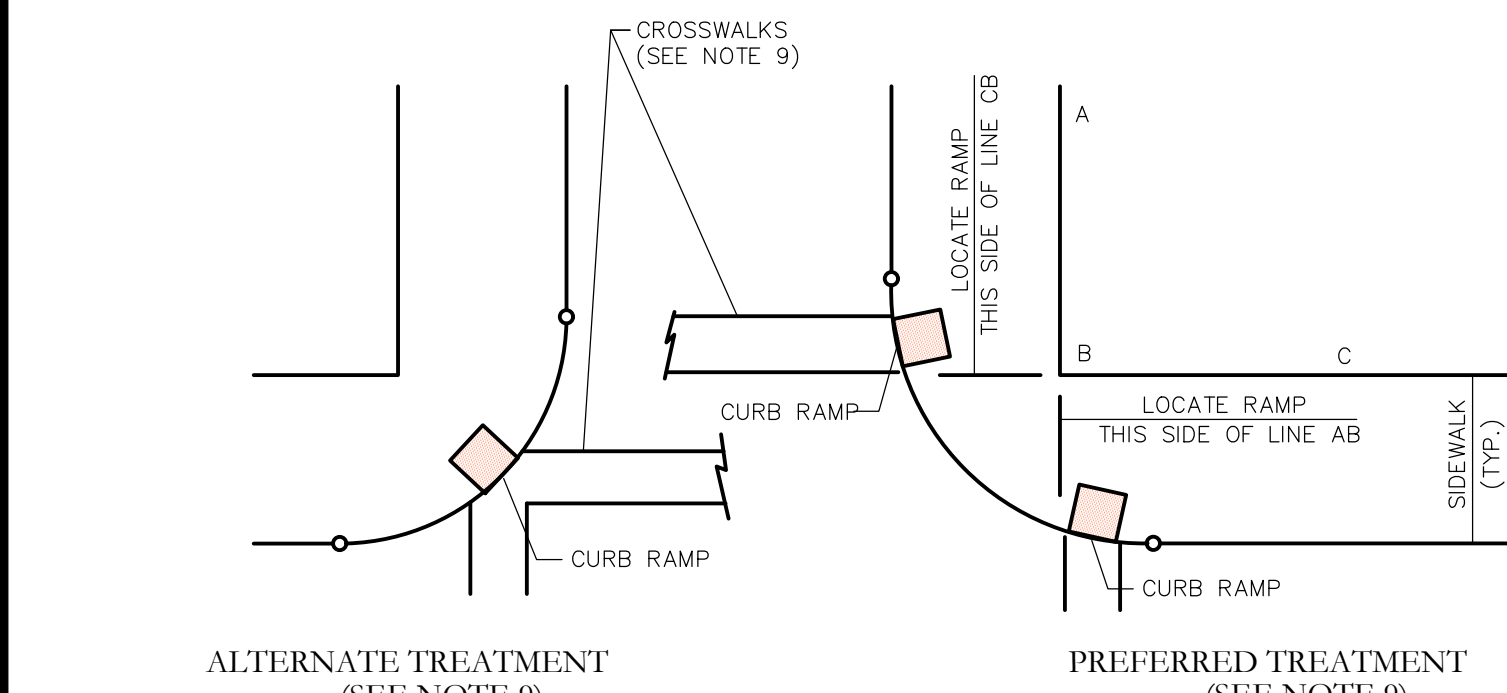


CURB RAMP TYPE 5
(CROSSING PARALLEL TO HIGHWAY ONLY)

CURB RAMP TYPE 6
(CROSSING PARALLEL TO HIGHWAY ONLY)



NOTE:
 WHERE PRACTICAL, END LEFT TURN ISLAND OR DIVISIONAL ISLAND BEFORE CROSSWALK TO ELIMINATE CUT-THROUGH



LOCATION OF CURB RAMP TYPES 1, 2, 3, 4 & 7 FOR CROSSING PARALLEL AND PERPENDICULAR TO HIGHWAY

H INCHES	X1 FEET	L1 FEET	W FEET
3	2.5	9.0	3
4	3.3	10.6	4
5	4.2	12.4	5
6	5.0	14.0	6
7	5.8	15.6	7
8	6.7	17.4	8
9	7.5	19.0	9

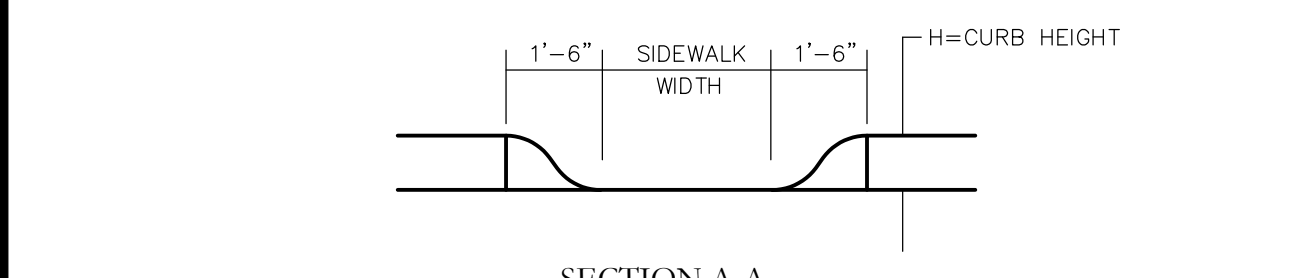
H INCHES	W FEET
3	3
4	4
5	5
6	6
7	7
8	8
9	9

W FEET	H INCHES	X1 FEET	L1 FEET	Y INCHES	X2 FEET	L2 FEET
2.5	3	2.5	9	2.5	0.5	5
	4	3.3	10.6	2.5	1.5	7
	5	4.2	12.4	2.5	2.5	9
	6	5.0	14.0	2.5	3.5	11
	7	5.8	15.6	2.5	4.5	13
	8	6.7	17.4	2.5	5.5	15
	9	7.5	19.0	2.5	6.5	17
3.0	3	*	*	*	*	*
	4	3.3	10.6	3.0	1	6
	5	4.2	12.4	3.0	2	8
	6	5.0	14.0	3.0	3	10
	7	5.8	15.6	3.0	4	12
	8	6.7	17.4	3.0	5	14
	9	7.5	19.0	3.0	6	16
3.5	3	*	*	*	*	*
	4	3.3	10.6	3.5	0.5	5
	5	4.2	12.4	3.5	1.5	7
	6	5.0	14.0	3.5	2.5	9
	7	5.8	15.6	3.5	3.5	11
	8	6.7	17.4	3.5	4.5	13
	9	7.5	19.0	3.5	5.5	15
4.0	3	*	*	*	*	*
	4	3.3	10.6	4.0	1	6
	5	4.2	12.4	4.0	2	8
	6	5.0	14.0	4.0	3	10
	7	5.8	15.6	4.0	4	12
	8	6.7	17.4	4.0	5	14
	9	7.5	19.0	4.0	6	16

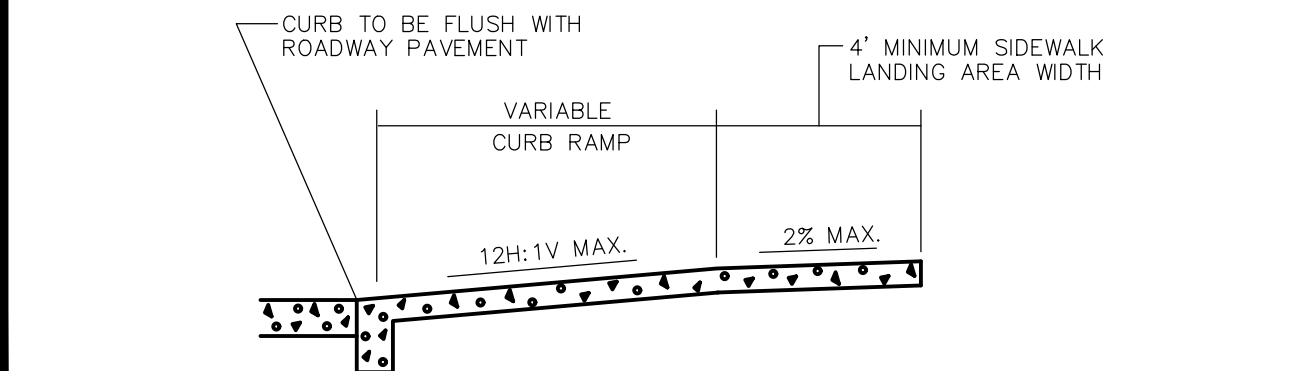
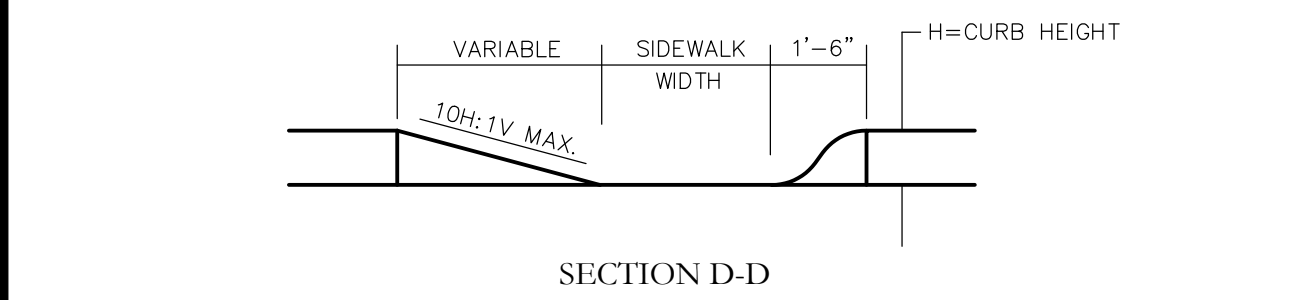
W FEET	H INCHES	Y INCHES	X2 FEET	L2 FEET
2.5	3	2.5	0.5	5
	4	2.5	1.5	7
	5	2.5	2.5	9
	6	2.5	3.5	11
	7	2.5	4.5	13
	8	2.5	5.5	15
	9	2.5	6.5	17
3.0	3	**	**	**
	4	3.0	1	6
	5	3.0	2	8
	6	3.0	3	10
	7	3.0	4	12
	8	3.0	5	14
	9	3.0	6	16
3.5	3	**	**	**
	4	3.5	0.5	5
	5	3.5	1.5	7
	6	3.5	2.5	9
	7	3.5	3.5	11
	8	3.5	4.5	13
	9	3.5	5.5	15
4.0	3	**	**	**
	4	**	**	**
	5	4.0	1	6
	6	4.0	2	8
	7	4.0	3	10
	8	4.0	4	12
	9	4.0	5	14

* TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1.

** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2.

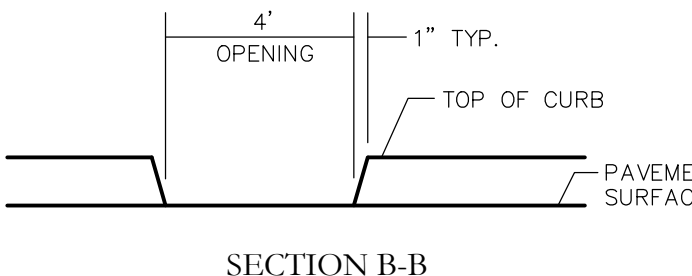


NOTE:
 CURB RAMP OPENING TO BE FLUSH WITH ROADWAY PAVEMENT (CURB RAMP TYPES 5 & 6).

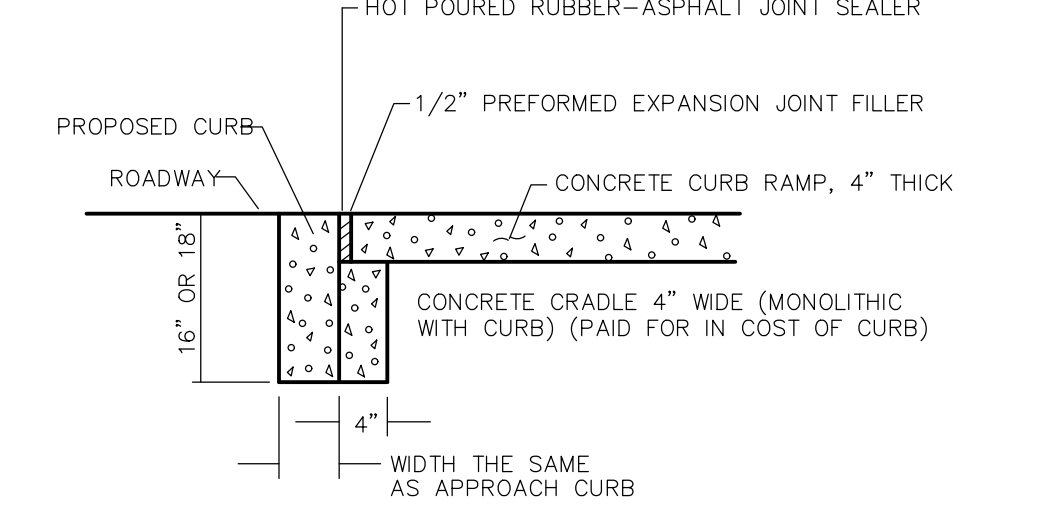


SECTION THROUGH CURB RAMP 1 THROUGH 6

ISLAND WALKWAY OPENING AT INTERSECTIONS

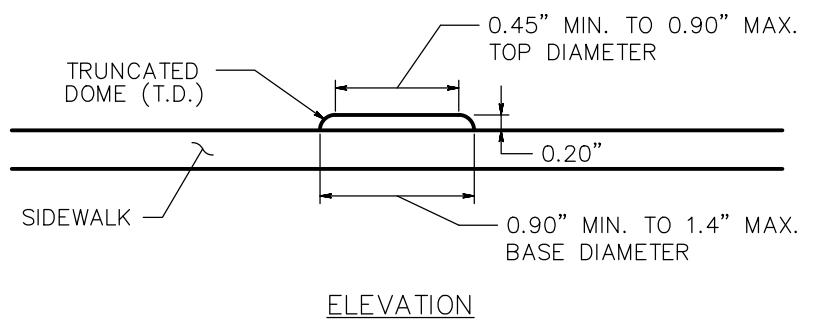
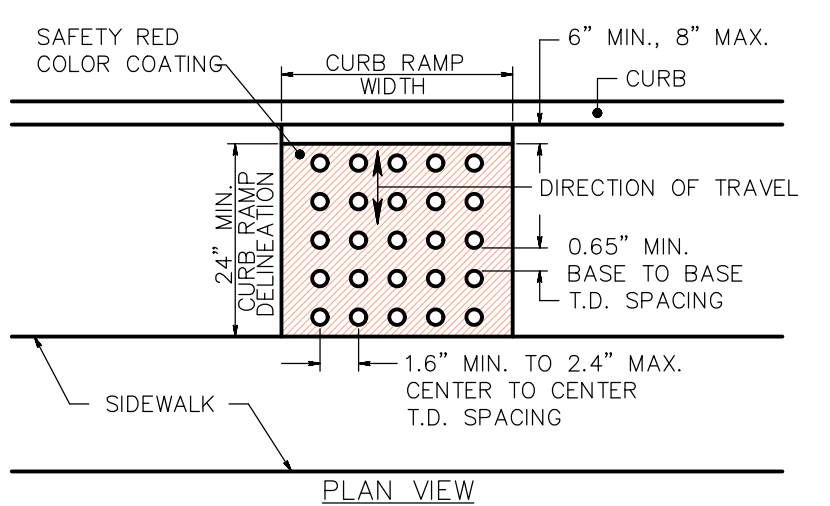


NOTE:
 4' WIDE OPENING TO BE FLUSH WITH ROADWAY PAVEMENT



DROPPED CURB AND CRADLE

- GENERAL NOTES:**
- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
 - CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMP.
 - FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
 - SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
 - CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
 - WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
 - THE PUBLIC SIDEWALK CURB RAMP, DETECTABLE WARNING SURFACE (SHADED AREA) SHALL BE SAFETY RED COLOR ON CONCRETE OR 70% COLOR CONTRAST FOR OTHER SURFACE SUCH AS BRICK.
 - CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
 - PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
 - DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMP SHALL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.
 - CURB RAMP AND SIDEWALKS THAT ARE CONSTRUCTED NOT IN COMPLIANCE WITH A.D.A. ACCESSIBILITY REQUIREMENTS INCLUDING MAXIMUM RUNNING SLOPES, MAXIMUM CROSS SLOPES, LANDING AREA LOCATION AND SIZE, DIVERGING SIDEWALK DROP OFF PROTECTION, BLEND TRANSITIONS, BLEND TRANSITION RUNNING SLOPES AND CROSS SLOPES, FLARE WIDTHS, GRADE BREAKS AND GRADE BREAK DIRECTIONS, CLEAR SPACE SIZE AND LOCATION, WILL NOT BE ACCEPTED.



DETECTABLE WARNING SURFACE
 (CAST IN PLACE FOR ALL NEW CURB RAMP CONSTRUCTION)

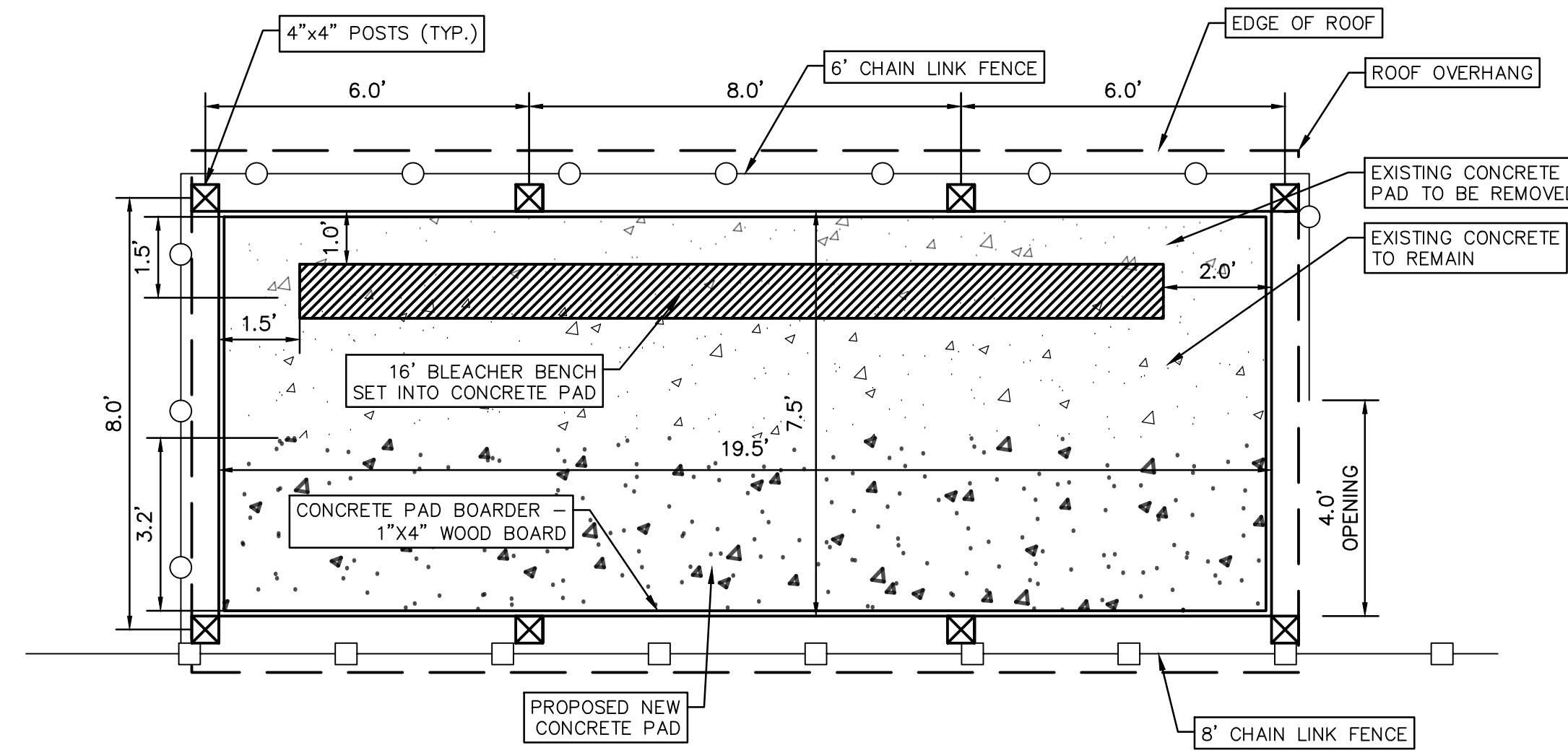


Date	Revision - Description
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Designed STAFF	Drawn STAFF
Checked RAW	Date 3/1/2024
Job No. 5500.7	Sheet ADA-DET
	SHT.# Total
	2 12

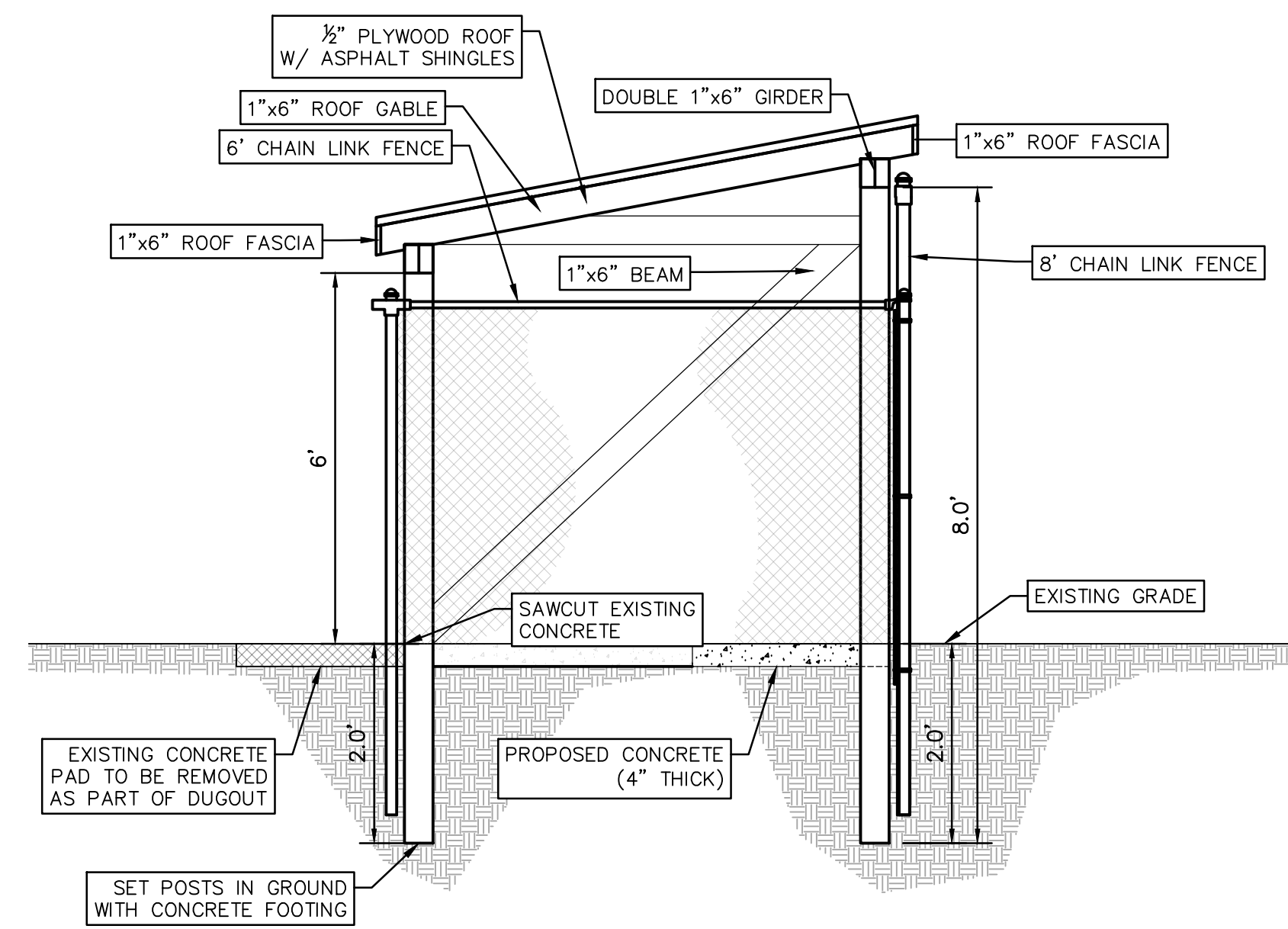
Robert A. Watkins Date: 3/1/2024

Robert A. Watkins PE, PP, CME, CFM
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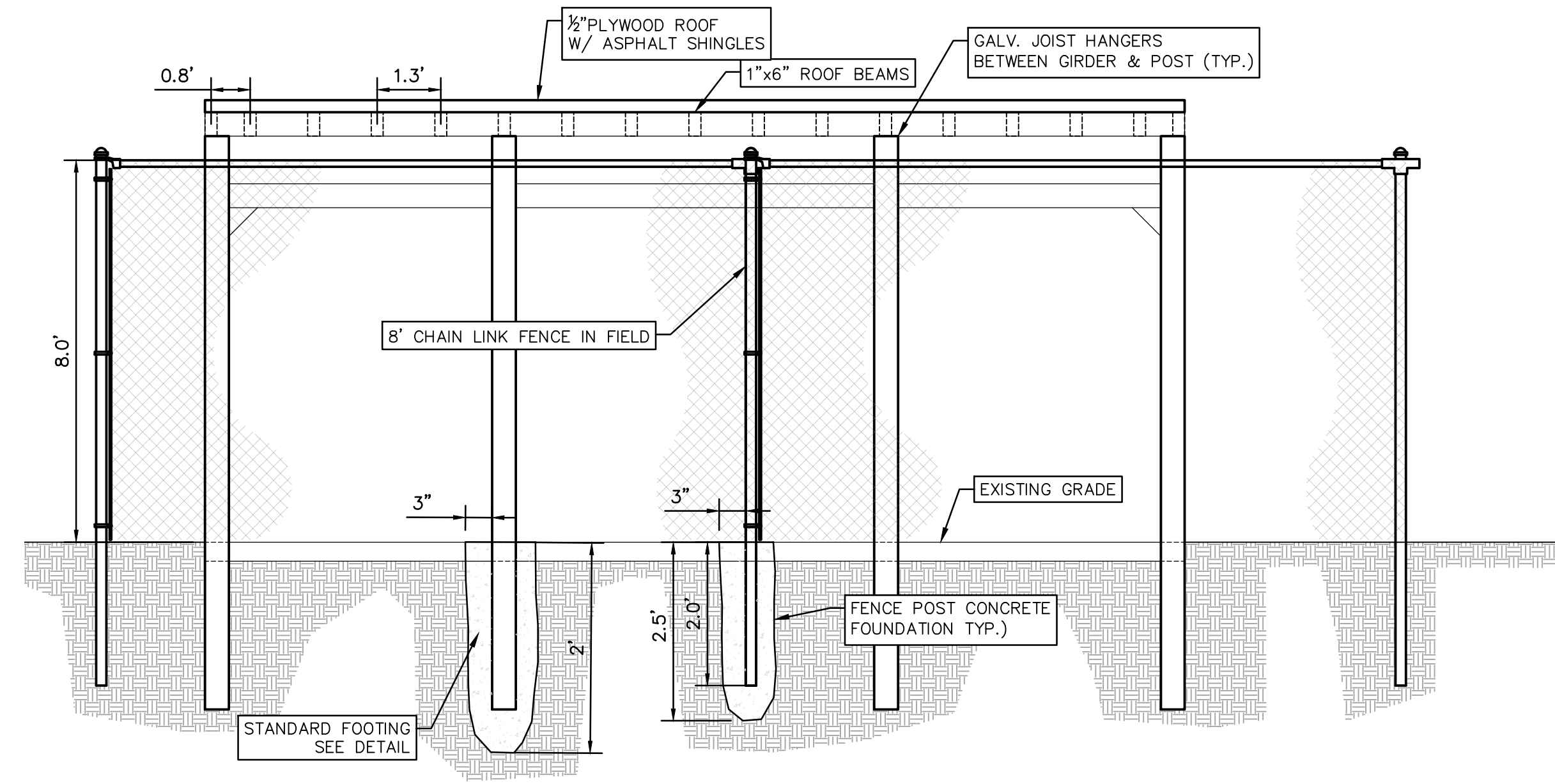
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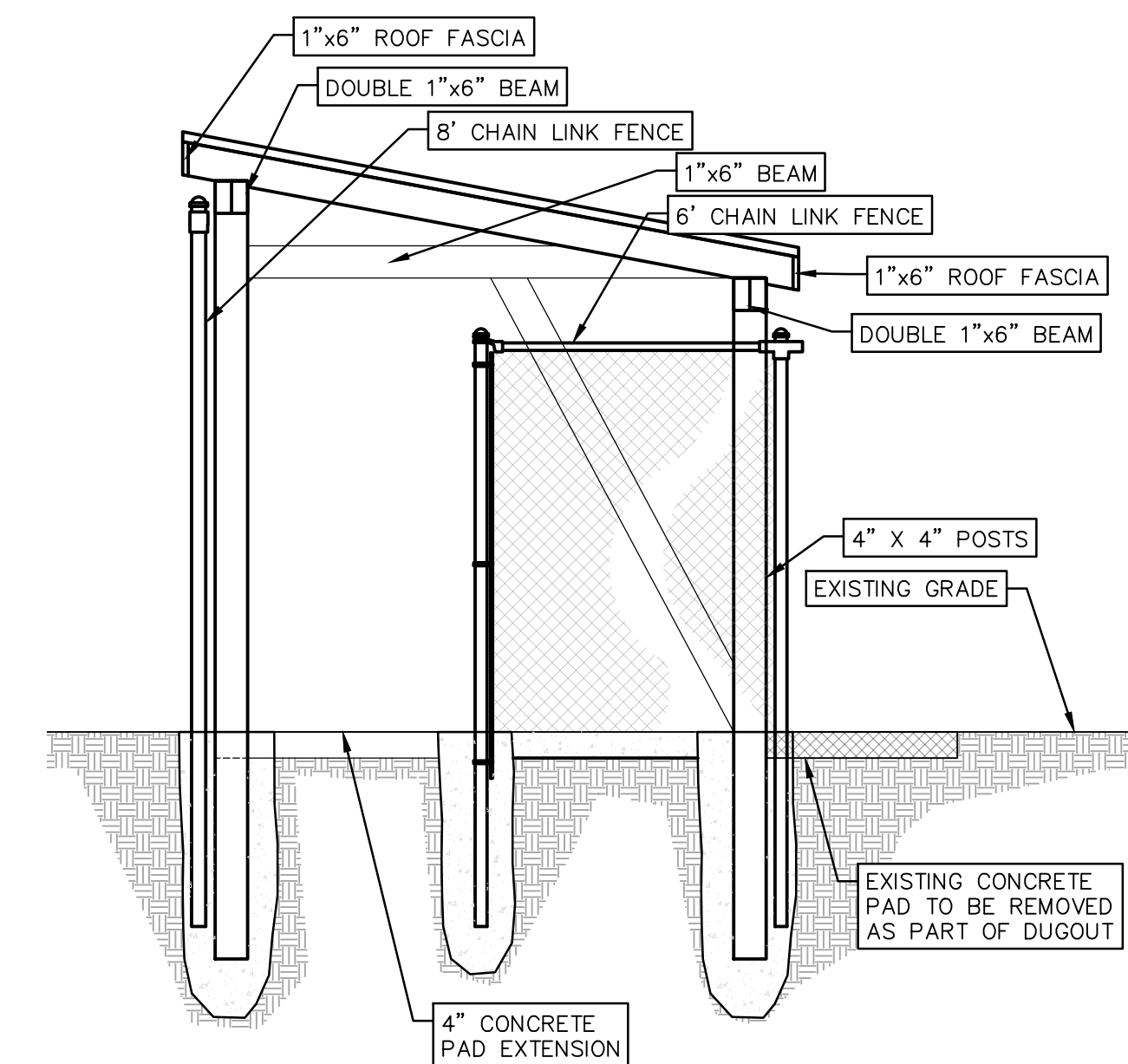
FLOOR PLAN
 NOT TO SCALE



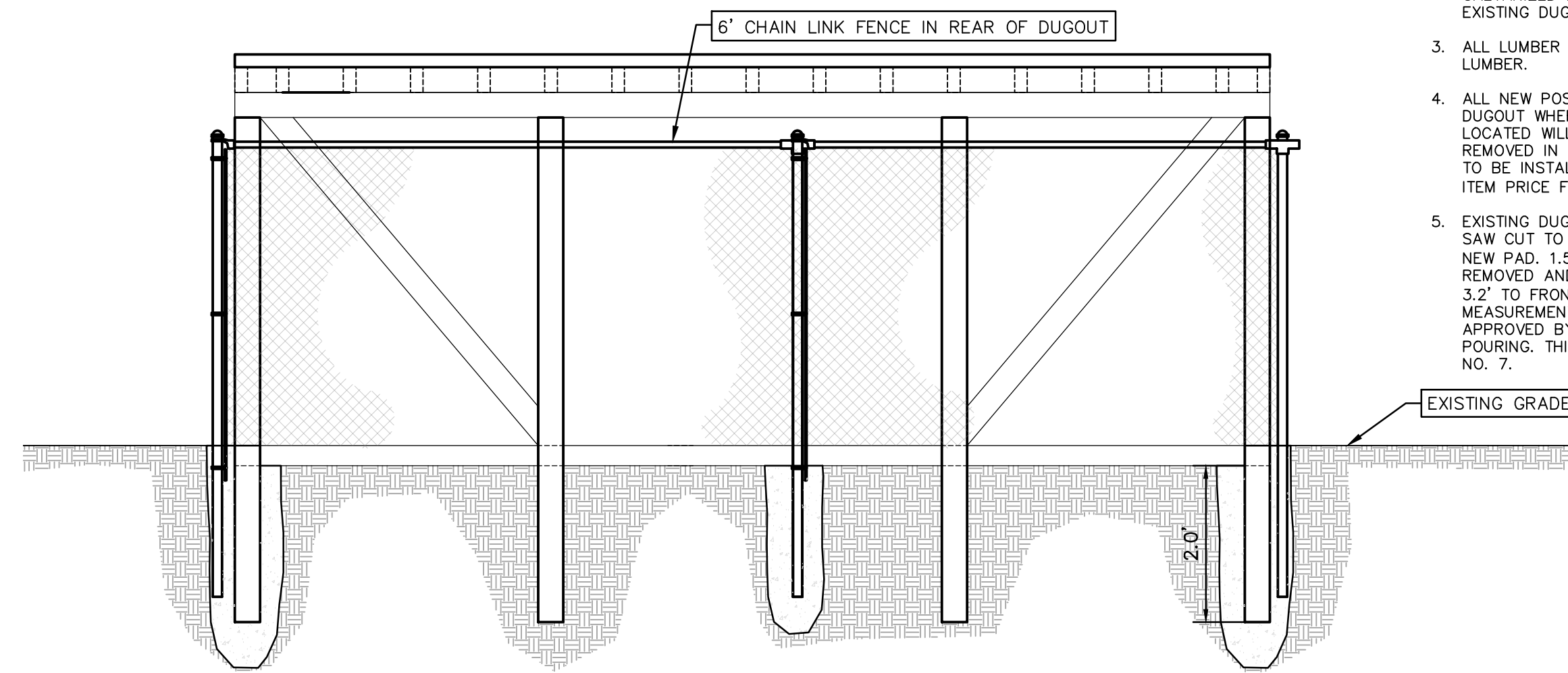
LEFT SIDE
 NOT TO SCALE



FRONT VIEW (FIELD SIDE)
 NOT TO SCALE



RIGHT SIDE
 NOT TO SCALE



REAR VIEW
 NOT TO SCALE

- GENERAL NOTES:**
- DUGOUT SHALL BE CONSTRUCTED TO MATCH EXISTING DUGOUT ON 3RD BASE LINE.
 - CONNECTIONS BETWEEN ROOF BEAMS, GIRDERS, AND POSTS SHALL HAVE GALVANIZED REINFORCEMENT, AS SEEN IN EXISTING DUGOUT.
 - ALL LUMBER SHALL BE PRE-TREATED LUMBER.
 - ALL NEW POST LOCATIONS IN REAR OF DUGOUT WHERE EXISTING CONCRETE PAD IS LOCATED WILL NEED TO HAVE CONCRETE REMOVED IN THOSE LOCATIONS FOR POSTS TO BE INSTALLED. THIS IS INCLUDED IN BID ITEM PRICE FOR "DUGOUT."
 - EXISTING DUGOUT CONCRETE PAD WILL BE SAW CUT TO BE REUSED AS PART OF THE NEW PAD. 1.5' OF EX. PAD WILL BE REMOVED AND FORMS BE SET UP TO ADD 3.2' TO FRONT OF PAD. ALL MEASUREMENTS AND FORMS TO BE APPROVED BY ENGINEER PRIOR TO POURING. THIS SHALL BE INCLUDED IN ITEM NO. 7.

Township of Hamilton
 Atlantic County, New Jersey 08330
2023 CBDG - Underhill Park Improvements
 DUGOUT CONSTRUCTION DETAILS



Date	Revision - Description
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Checked RAW	Date 3/1/2024
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	SHT_# Total
	4 12

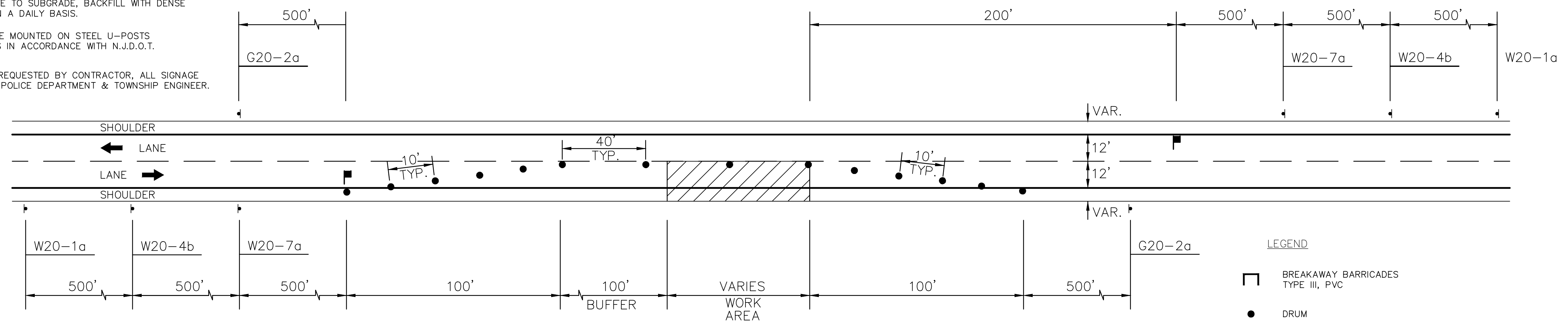
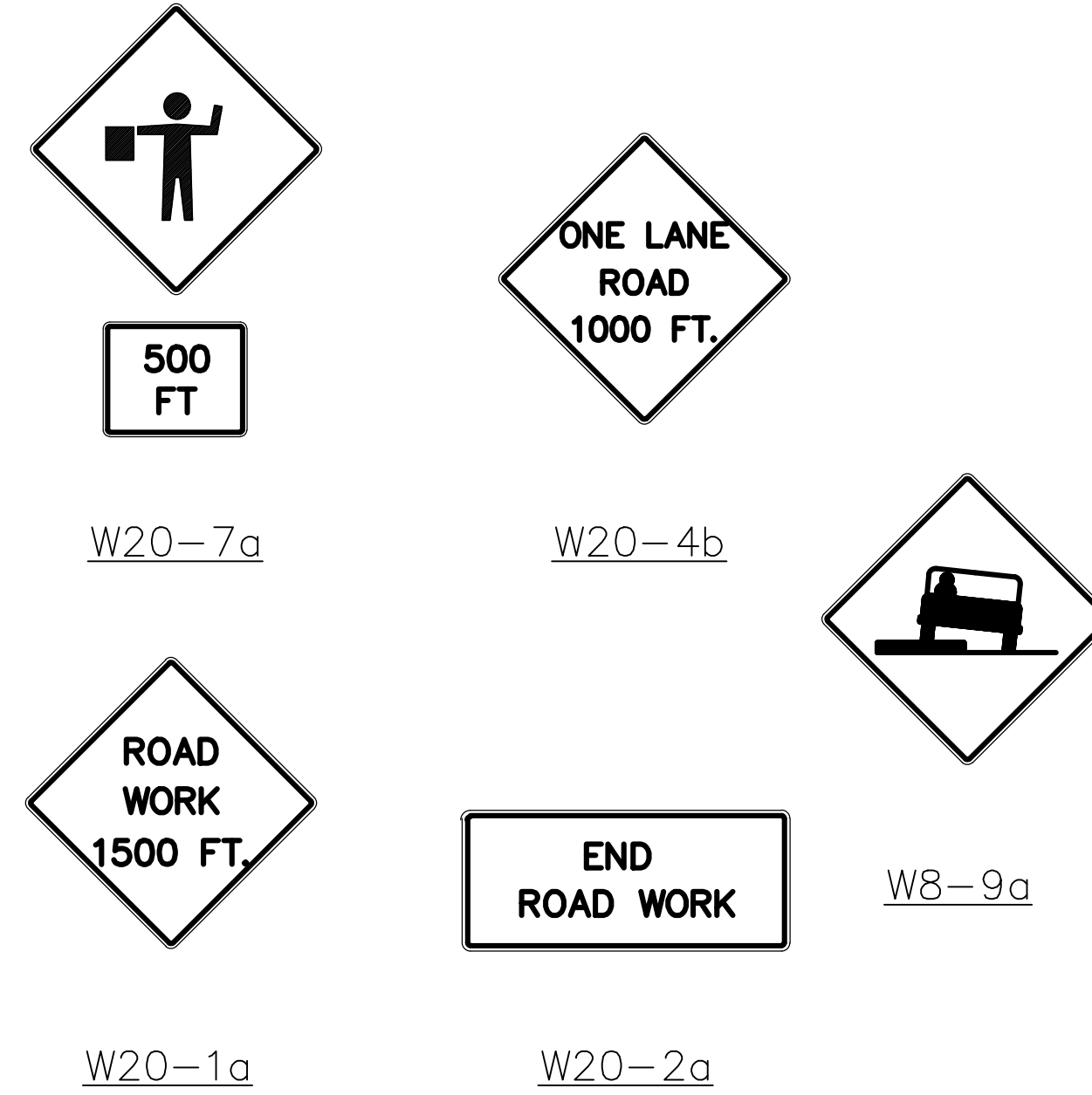
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GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS UPON APPROVAL OF THE ENGINEER.
- THE MINIMUM UNOBSTRUCTED LANE WIDTH SHALL BE 11' LANE WIDTH IS DEFINED AS THE WIDTH FROM THE EDGE OF DEVICE TO CENTER OF LANE LINE.
- ALL CONFLICTING STRIPES SHALL BE REMOVED.
- REMOVABLE PAVEMENT MARKING TAPE SHALL BE UTILIZED WHERE LANE SHIFTS ARE REQUIRED ON INTERMEDIATE OR TOP PAVEMENT LAYERS OR ON EXISTING PAVEMENTS NOT BEING REPAVED OR WHEN DIRECTED BY THE ENGINEER.
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
- SIGN ALUMINUM SHALL BE FLAT SHEET OF ALLOY 5052-H38 OR 6061-T6 ALLOY, .100" GAUGE.
- SIGN FACES SHALL BE RETROREFLECTIVE SHEETING, TYPE II EXCEPT FOR THE W20 SERIES WHICH SHALL BE TYPE IVB SHEETING.
- ADVANCE WARNING SIGNS AND TAPERS SHOULD BE EXTENDED AS SIGHT DISTANCES REQUIRE TO ADJUST FOR REDUCED VISIBILITY DUE TO THE HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY. TAPERS MAY ALSO BE EXTENDED FOR PREVAILING SPEEDS.
- CONSTRUCTION SIGNS, W8-9a, W5-1c AND W8-14a SHALL BE USED WHEN SUCH PAVEMENT CONDITIONS EXIST. THE PLACEMENT OF THESE SIGNS SHALL BE DONE AS DIRECTED BY THE ENGINEER.
- CONSTRUCTION SIGN W99-2 (GIVE US A BRAKE) SHALL BE LOCATED 200' IN ADVANCE OF PROJECT LIMITS.
- TRAFFIC FINES DOUBLED IN WORK AREA - R(NJ)5-17 SIGN SHALL BE LOCATED 500' AFTER FIRST ADVANCE WARNING SIGN, (W20 SERIES) AT EACH WORK AREA.
- POLICE TRAFFIC DIRECTORS OR TRAFFIC DIRECTORS SHALL BE USED TO ASSIST IN CONTROLLING TRAFFIC INTERSECTIONS UNDER CONSTRUCTION OR AS DIRECTED BY ENGINEER.
- UNLESS OTHERWISE SPECIFIED TRAFFIC PAINT SHALL BE USED WHEN TRAFFIC STRIPES OR TRAFFIC MARKINGS ARE REQUIRED ON INTERMEDIATE PAVEMENT LAYERS THAT NEED TO BE OPENED TO TRAFFIC DUE TO STAGE CONSTRUCTION.
- SHOULDER RECONSTRUCTION AREA:
* EXCAVATED SHOULDER AREA SHALL NOT BE LEFT EXPOSED OVERNIGHT.
* CONTRACTOR SHALL EXCAVATE TO SUBGRADE, BACKFILL WITH DENSE GRADED AGGREGATE BASE ON A DAILY BASIS.
- CONSTRUCTION SIGNS SHALL BE MOUNTED ON STEEL U-POSTS OR BREAKAWAY WIND MASTERS IN ACCORDANCE WITH N.J.D.O.T. STANDARD DETAIL CD-37.
- IF ROAD CLOSURE DETOUR IS REQUESTED BY CONTRACTOR, ALL SIGNAGE MUST BE REVIEWED BY LOCAL POLICE DEPARTMENT & TOWNSHIP ENGINEER.



Traffic Control Plan
N.T.S.

LEGEND

- BREAKAWAY BARRICADES TYPE III, PVC
- DRUM
- CONE
- FLAGGER
- WORK AREA

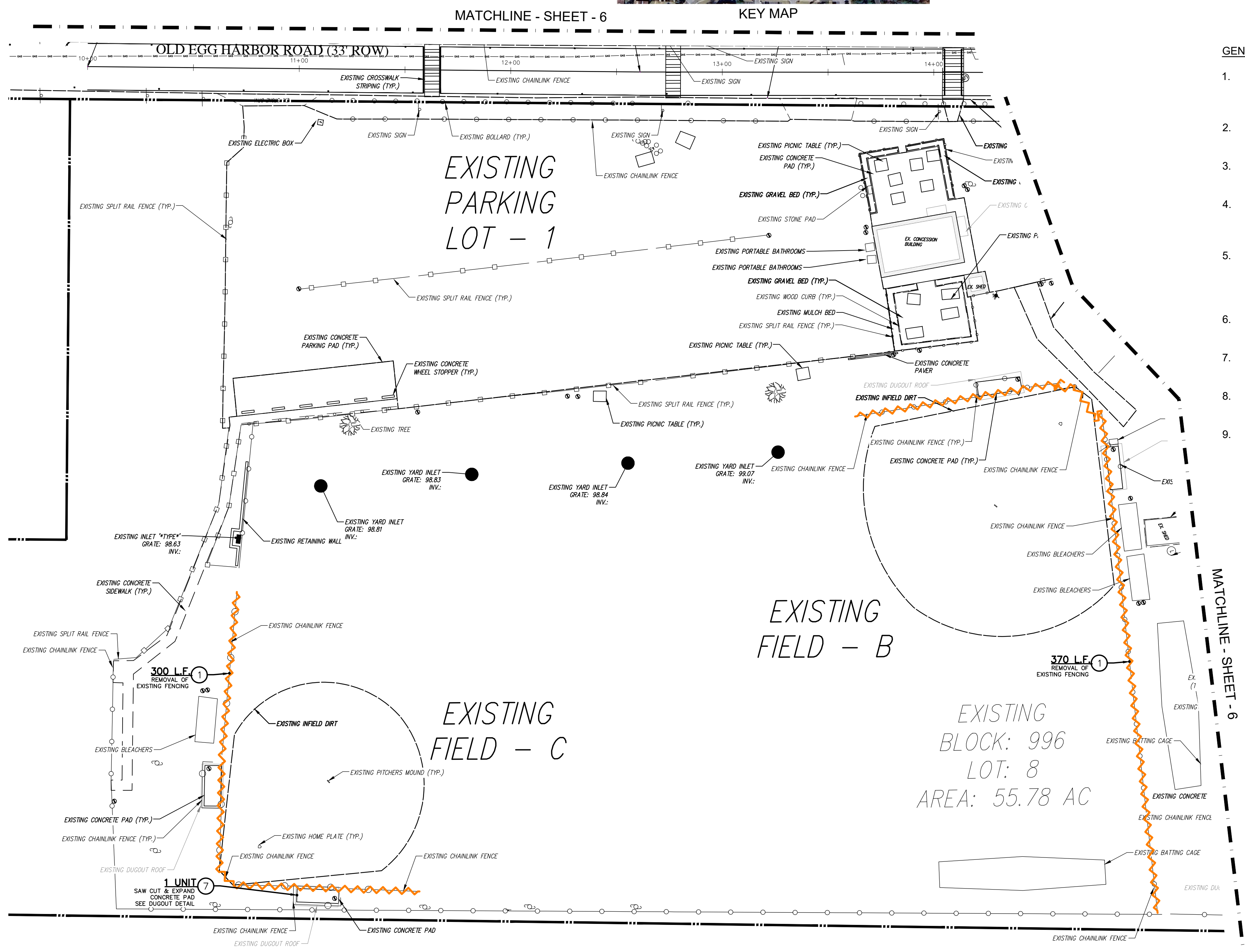
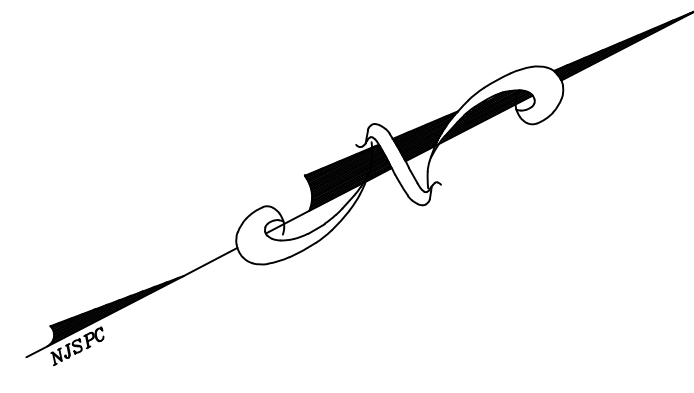
Township of Hamilton
Atlantic County, New Jersey 08330
2023 CBDG - Underhill Park Improvements
TRAFFIC CONTROL PLAN



Date	Revision - Description
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Designed STAFF	Drawn STAFF
Checked RAW	Date 3/1/2024
Job No. 5500.7	Sheet TCP
	SHT.# Total
	5 12

ESTIMATE OF QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	NUDOT SECTION #	CONTRACT QUANTITY	SHEET 9 QUANTITY	AS-BUILT QUANTITY
1	CLEARING SITE	LUMP SUM	159	1	0	

MOTT WATKINS ASSOCIATES, LLC
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 3120 Fire Road, Suite B201
 Egg Harbor Township, New Jersey 08234
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 State Board of Professional Engineers & Land Surveyors
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GENERAL NOTES:

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- CONTRACTOR SHALL CONFIRM LOCATION OF ALL UTILITIES PRIOR TO START OF CONSTRUCTION.
- ITEM NO. S2-1 SHALL INCLUDE A YELLOW SAFETY GUARD FOR THE TOP RAIL OF THE FENCE.
- EXISTING ROPE FENCE POSTS ALONG BOTH SIDES OF OLD EGG HARBOR ROAD SHALL BE GIVEN TO PUBLIC WORKS DEPARTMENT. THIS SHALL BE INCLUDED IN ITEM NO. 1.
- ANY TRASH BINS, RECYCLE BINS, AND BLEACHERS LOCATED THROUGHOUT THE PROJECT SITE THAT WILL NEED TO BE RELOCATED DUE TO PROPOSED WORK (PER THESE PLANS OR AS DIRECTED BY ENGINEER) SHALL BE INCLUDED IN ITEM NO. 1.
- REMOVAL OF EXISTING SLIDING GATES SHALL BE INCLUDED IN ITEM NO. 11.
- ITEM NO. 14 SHALL ONLY BE FOR DETECTABLE WARNING SURFACE. ALL CONCRETE WORK SHALL BE INCLUDED IN ITEM NO. 12.
- ADA STRIPING FOR CONCRETE PAD AREA (INCLUDING THE TWO (2) SYMBOLS) SHALL BE INCLUDED IN ITEM NO. 17.
- SOFT SPOTS IDENTIFIED UNDER: SIDEWALK, ASPHALT PATH, & ROADWAY -
 - BOX OUT AND REMOVAL SHALL BE INCLUDED UNDER ITEM NO. 3. EXCAVATION SHALL BE DONE IN MAX 6" INCREMENTS, OR DIRECTED BY ENGINEER.
 - BACKFILL SHALL BE INCLUDED IN ITEM NO. 4. DGA SHALL NOT BE INSTALLED PRIOR TO ENGINEER APPROVAL OF PROOF ROLL, UNLESS OTHERWISE DIRECTED BY ENGINEER.

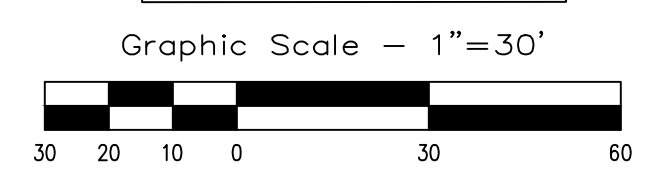
Township of Hamilton
 Atlantic County, New Jersey 08330

2023 CBDG - Underhill Park Improvements
 EXISTING CONDITIONS & DEMOLITION PLAN - FIELDS C & B
 BLOC: 996; LOT: 8



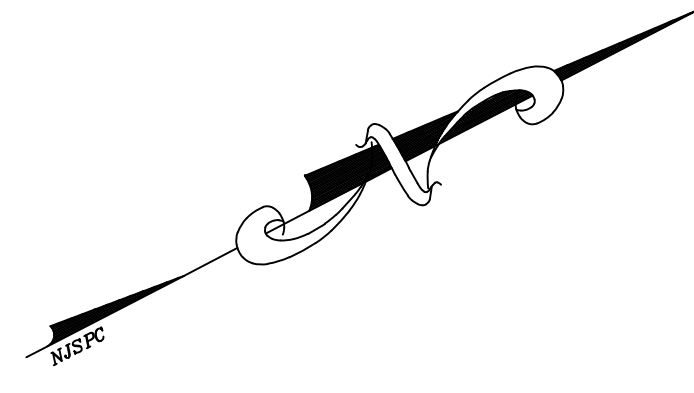
SYMBOL LEGEND

	Storm Drainage Manhole
	Sanitary Sewer Manhole
	Water Meter
	Sanitary Sewer Clean Out
	Gas Valve
	Water Valve
	Sign
	Clay Vire
	Utility Pole
	Benchmark
	Utility Box
	Concrete Monument / Pin
	Tree
	Gas Utility
	Light Pole



Date	Revision - Description
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Designed PJW	Drawn PJW
Checked RAW	Date 3/1/2024
Job No. 5500.7	Sheet EX-EAST 1
	SHT.# Total
	9 12

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ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	MDOT SECTION #	CONTRACT QUANTITY	SHEET 10 QUANTITY	AS-BUILT QUANTITY
3	EXCAVATION, 2" THICK & VARIABLE	C.Y.	202	298	28	
4	DENSE GRADED AGGREGATE BASE COURSE, 2" THICK & VARIABLE	C.Y.	302	198	10	
7	DUGOUT	UNIT	N/A	1	1	
8	CHAIN LINK FENCE, 6' HIGH	L.F.	N/A	1454	340	
9	CHAIN LINK FENCE, 8' HIGH	L.F.	N/A	834	330	
10	CHAIN LINK FENCE, 16' HIGH	L.F.	N/A	340	120	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	606	496	170	
14	CONCRETE HANDICAP RAMP, ADA ACCESSIBLE, W/ DETECTABLE WARNING SURFACE	UNIT	606	5	2	
16	SOLAR LED EDGE LIT CROSSWALK WARNING SIGN	UNIT	612	4	1	
21	CONCESSION STAND RESTROOM - RENOVATION	LUMP SUM	N/A	1	1	
S2-1	CHAIN LINK FENCE, 4' HIGH	L.F.	N/A	600	600	
S2-2	CHAIN LINK FENCE - GATE 4' HIGH 6' WIDE	UNIT	N/A	3	3	

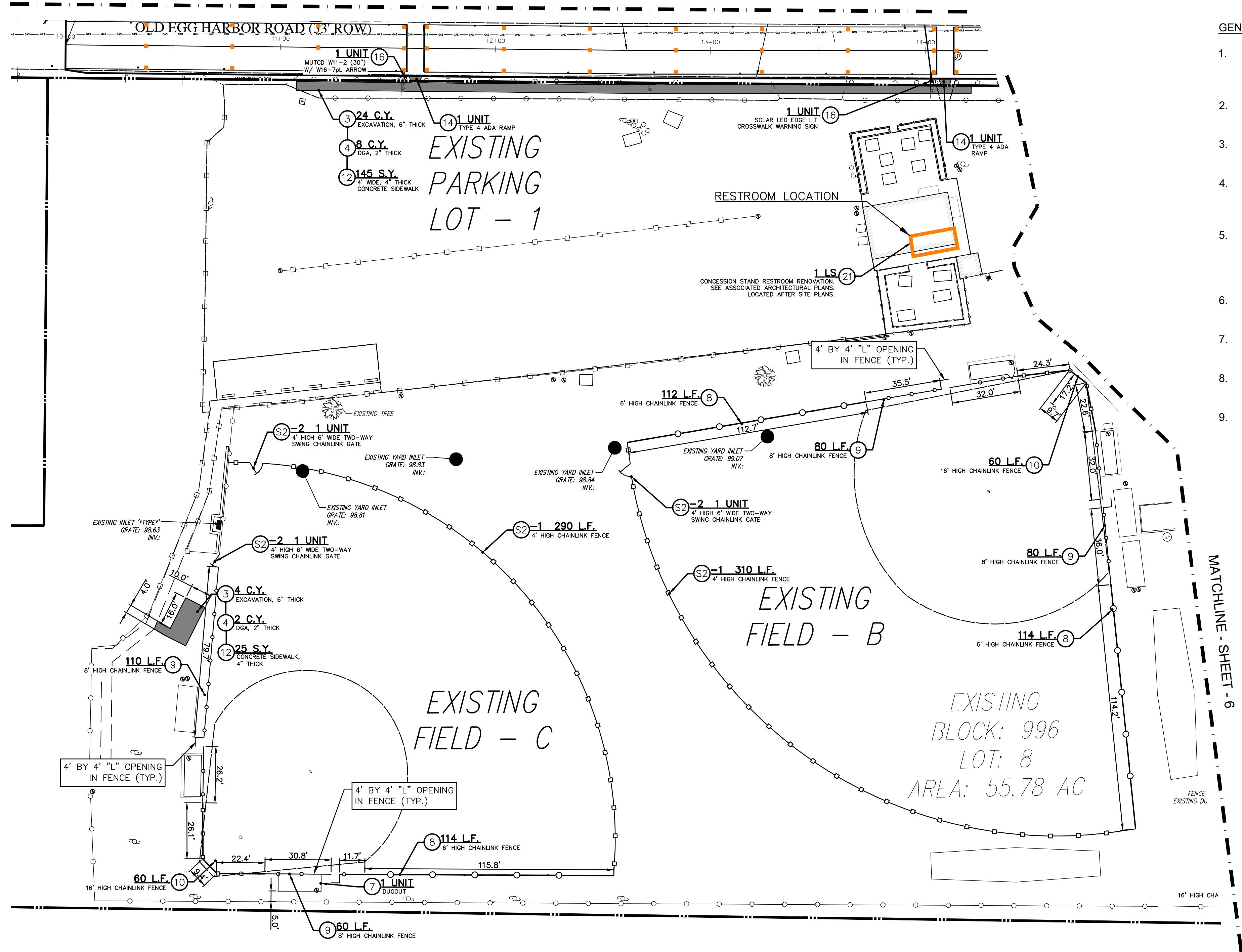
MOTT WATKINS ASSOCIATES, LLC
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Robert A. Watkins Date: 3/1/2024

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 Professional Engineer
 New Jersey License No. 45865

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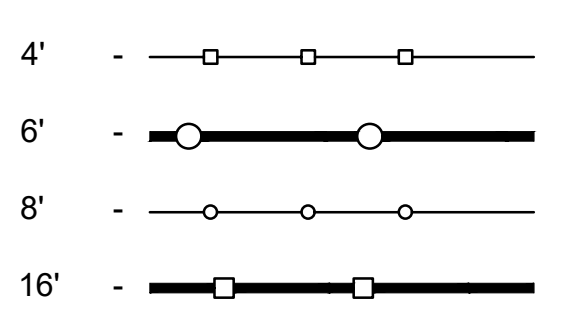
MATCHLINE - SHEET - 6 KEY MAP



GENERAL NOTES:

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FENCE KEY



SYMBOL LEGEND

	Storm Drainage Manhole
	Sanitary Sewer Manhole
	Water Meter
	Sanitary Sewer Clean Out
	Gas Valve
	Water Valve
	Sign
	Clay Wire
	Utility Pole
	Benchmark
	Utility Box
	Concrete Monument / Pin
	Tree
	Gas Utility
	Light Pole

Graphic Scale - 1" = 30'



Township of Hamilton
 Atlantic County, New Jersey 08330
2023 CBDG - Underhill Park Improvements
 SITE PLAN - EAST FIELDS B & C
 BLOCK: 996; LOT: 8



Date	Revision - Description
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Designed PJW	Drawn PJW
Checked RAW	Date 3/1/2024
Job No. 5500.7	Sheet SITE-E1
	SHT.# Total
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KEY MAP

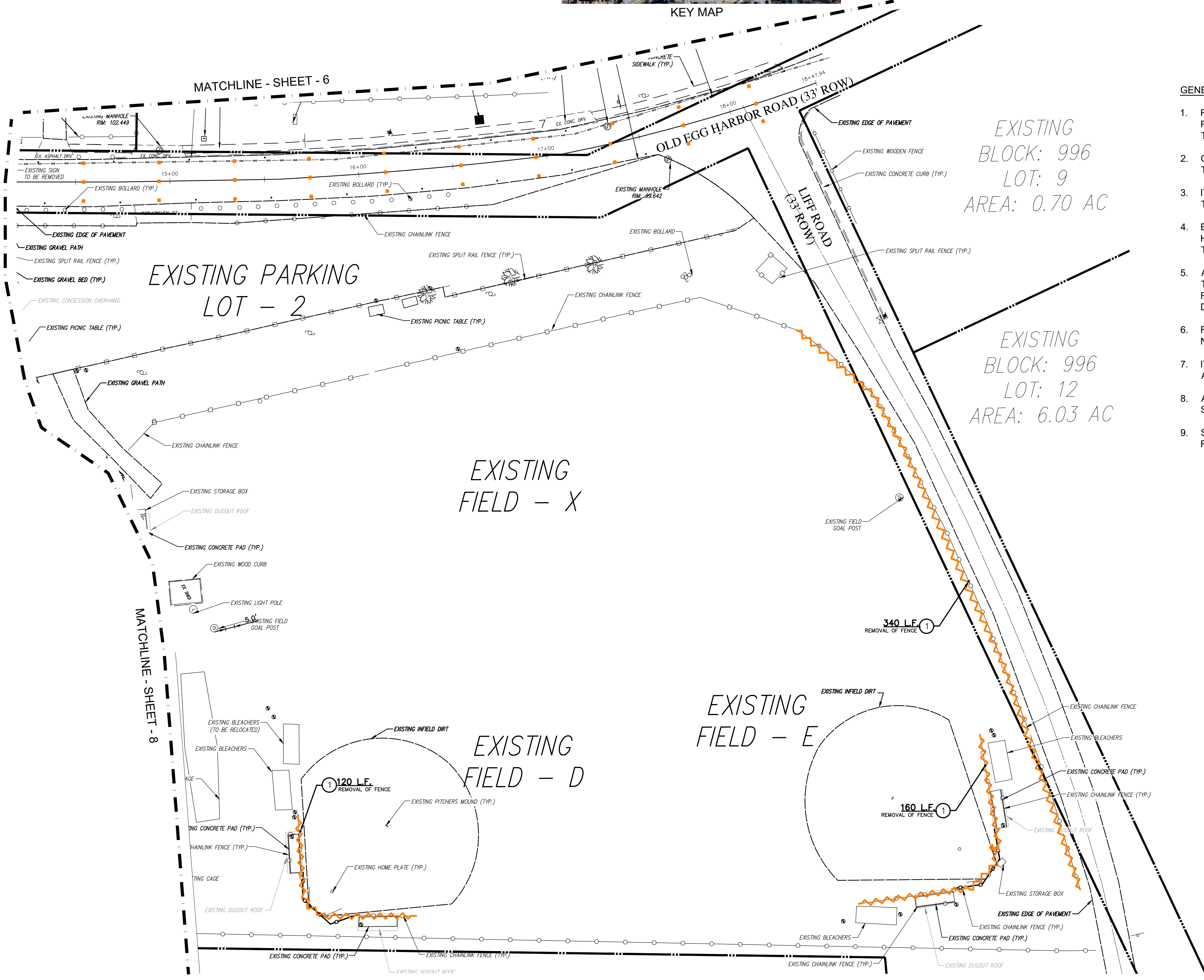
ESTIMATE OF QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	NUDIT SECTION #	CONTRACT QUANTITY	SHEET 11 QUANTITY	AS-BUILT QUANTITY
1	CLEARING SITE	LUMP SUM	159	1	0	

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Township of Hamilton
 Atlantic County, New Jersey 08330

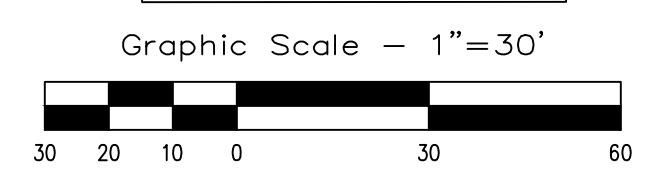
2023 CBDG - Underhill Park Improvements

EXISTING CONDITIONS & DEMO PLAN - FIELDS B & C
 BLOC: 996; LOT: 8



SYMBOL LEGEND

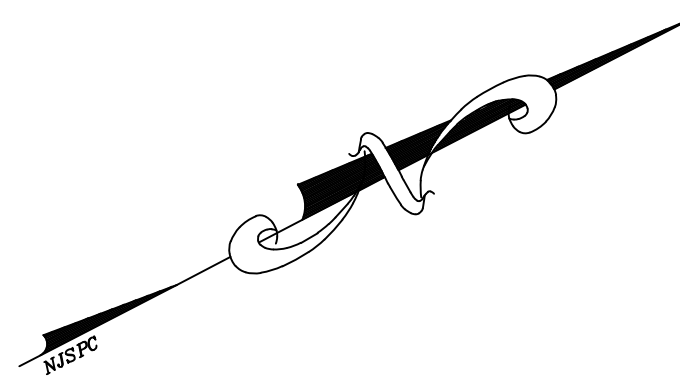
	Storm Drainage Manhole
	Sanitary Sewer Manhole
	Water Meter
	Sanitary Sewer Clean Out
	Gas Valve
	Water Valve
	Sign
	Clay Vitr.
	Utility Pole
	Benchmark
	Utility Box
	Concrete Monument / Pin
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Date	Revision - Description
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Checked RAW	Date 3/1/2024
Job No. 5500.7	Sheet EX-EAST 2
	SHT.# Total
	11 12



KEY MAP



ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NIDOT SECTION #	CONTRACT QUANTITY	SHEET 12 QUANTITY	AS-BUILT QUANTITY
3	EXCAVATION, 2" THICK & VARIABLE	C.Y.	202	298	115	
4	DENSE GRADED AGGREGATE BASE COURSE, 2" THICK & VARIABLE	C.Y.	302	198	65	
8	CHAIN LINK FENCE, 6' HIGH	L.F.	N/A	1454	200	
9	CHAIN LINK FENCE, 8' HIGH	L.F.	N/A	834	136	
10	CHAIN LINK FENCE, 16' HIGH	L.F.	N/A	340	100	
12	CONCRETE SIDEWALK, 4" THICK	S.Y.	606	496	191	
13	CONCRETE PARKING PAD, 6" THICK	S.Y.	606	68	68	
15	CRUSHED CLAM SHELLS, 2" THICK	S.Y.	606	464	444	
17	SIGNS	UNIT	612	2	2	
S1-4	TRAFFIC STRIPES, LINES, LONG-LIFE, EPOXY RESIN, 4" THICK	L.F.	610	3550	250	

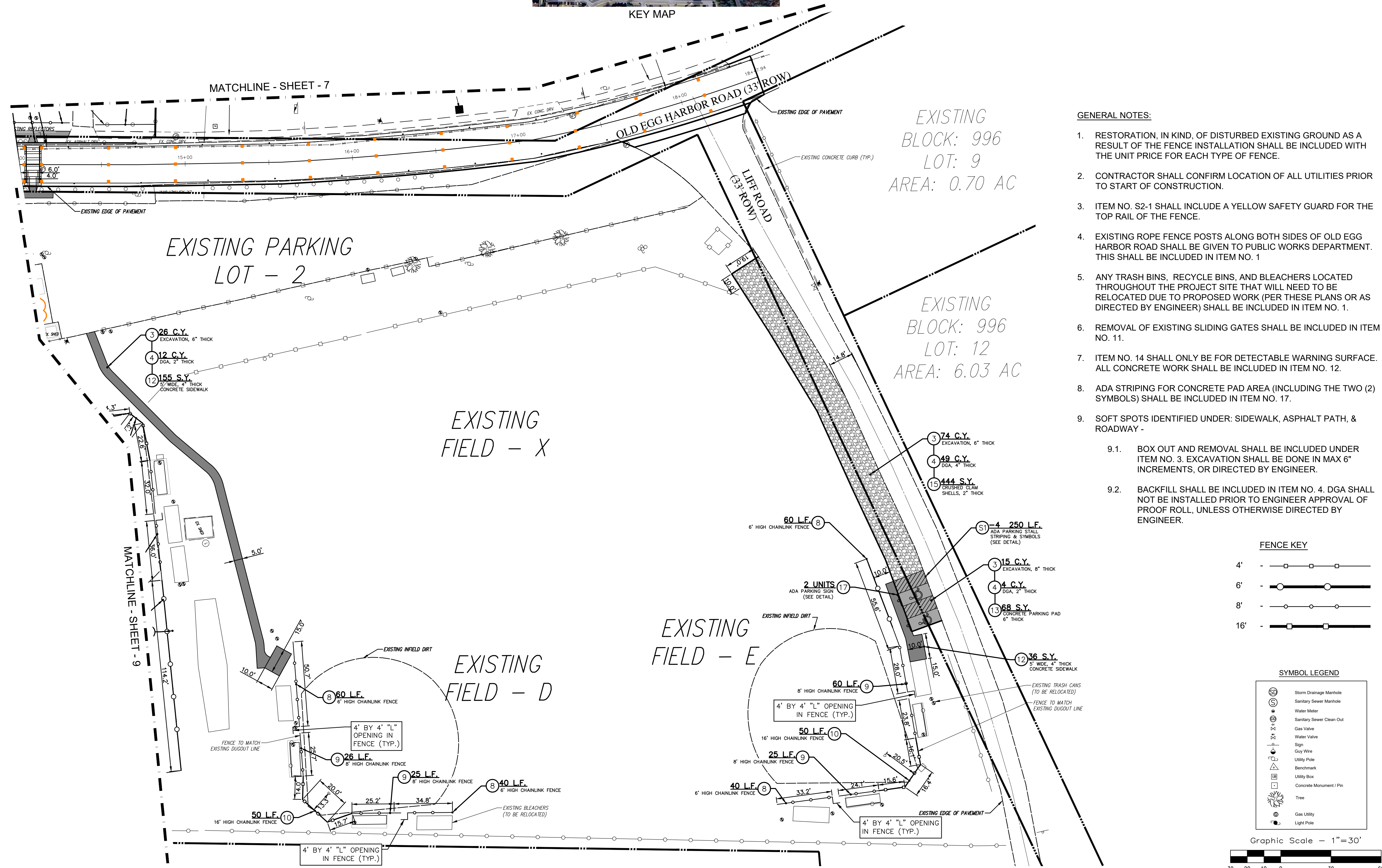
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2023 CBDG - Underhill Park Improvements
 SITE PLAN - REDESIGNED FIELDS D, E, & X
 BLOCK: 996; LOT: 8

Township of Hamilton
 Atlantic County, New Jersey 08330



Date	Revision - Description	Designed	Drawn
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Checked	Date	RAW	3/1/2024
Job No.	Sheet		
5500.7	SITE-E2		
	SHT.#		Total
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