



COUNTY OF IMPERIAL

ATPSB1L 5958 (117) -- HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET IN IMPERIAL COUNTY; COUNTY PROJECT No. 6516

GENERAL NOTES

STREET IMPROVEMENT GENERAL NOTES

- COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
- THE STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH IMPERIAL COUNTY STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR (OR CALTRANS).
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- UTILITIES COORDINATION

NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

- | | |
|---|----------------|
| 1. IMPERIAL IRRIGATION DISTRICT (POWER) | (800) 303-7756 |
| 2. IMPERIAL IRRIGATION DISTRICT (WATER) | (760) 339-9380 |
| 3. AT&T | (337) 337-3314 |
| 4. THE GAS CO. | (959) 335-7862 |
| 5. THE CABLE COMPANY (SPECTRUM) | (760) 670-8969 |
| 6. HEBER PUBLIC UTILITY DISTRICT (HPUD) | (760) 482-2440 |

EXISTING UNDERGROUND UTILITIES

BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.

CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, AT&T, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- CONSTRUCT A PUBLIC STREET LIGHT SYSTEM CONFORMING TO APPROPRIATE STANDARDS AND STREET LIGHT SPECIFICATIONS. POWER SOURCES AND RUNS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY OR EASEMENT.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIAL'S SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.
- ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT; LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED. (442) 265-1818. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.

- NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
- ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN, ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF IMPERIAL COUNTY. WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE, METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE FULLY WITH THE GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812".
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- AS DETERMINED BY THE COUNTY PUBLIC WORKS DIRECTOR/ROAD COMMISSIONER, THE DEVELOPER IS RESPONSIBLE, AS A MINIMUM, FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- EXISTING STORM DRAIN PIPES/CULVERTS WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
- THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
- A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 6' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAID SLOPE.
- A BROW DITCH DESIGNED TO HANDLE THE FLOWS (Q) FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
- NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DRAINAGE AWAY FROM BUILDINGS DURING CONSTRUCTION.
- THE FINISHED GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR BUILDING WALLS AT NOT LESS THAN 4% (1/2" PER FOOT) FOR A MINIMUM OF 3 FEET, UNLESS A SOIL REPORT PROVIDES ALTERNATE RECOMMENDATIONS.
- A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF REQUESTING A FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO THE BUILDING PERMIT FINAL INSPECTION BY PUBLIC WORKS FOR EACH LOT.
- THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.

THE NOTES LISTED ABOVE ARE A MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPILING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

GRADING PLAN GENERAL NOTES

- APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
 - FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
 - IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED. (760) 482-4462. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
 - THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
- | | | |
|-----------------|---------------|----------------|
| GAS: | TELEPHONE NO. | (909) 335-7862 |
| IID POWER: | TELEPHONE NO. | (800) 303-7756 |
| IID WATER: | TELEPHONE NO. | (760) 339-9380 |
| AT&T TELEPHONE: | TELEPHONE NO. | (337) 337-3314 |
| CATV: | TELEPHONE NO. | (760) 670-8969 |
| SPECTRUM COMM. | TELEPHONE NO. | (760) 670-8969 |
- A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PLAN APPROVAL.

- APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED BY THE COUNTY PLANNING DEPARTMENT.
- THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS, INCLUDING ANY ONSITE OR PERIMETER SCREEN OR RETAINING WALLS.
- ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ADJUTING CUT OR FILL SURFACES.
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOURING, OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THE PLAN. THE COUNTY WILL HOLD THE CONTRACTOR RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
- SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE CONTRACTOR WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT OF THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE CONTRACTOR HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
- ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO THE CONSTRUCTION OF ANY PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO CONTIGUOUS PROPERTIES.
- DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
- NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
- THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
- A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 6' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAID SLOPE.
- A BROW DITCH DESIGNED TO HANDLE THE FLOWS (Q) FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
- NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DRAINAGE AWAY FROM BUILDINGS DURING CONSTRUCTION.
- THE FINISHED GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR BUILDING WALLS AT NOT LESS THAN 4% (1/2" PER FOOT) FOR A MINIMUM OF 3 FEET, UNLESS A SOIL REPORT PROVIDES ALTERNATE RECOMMENDATIONS.
- A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF REQUESTING A FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO THE BUILDING PERMIT FINAL INSPECTION BY PUBLIC WORKS FOR EACH LOT.
- THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.

WORK TO BE DONE

- CONSTRUCT CURB & GUTTER AND SIDEWALK ALONG THE SOUTH SIDE OF 11TH STREET, ALONG HEFFERNAN AVENUE FROM 11TH TO 14TH STREET, AND ON THE NORTH SIDE OF 14TH STREET CONNECTING TO EXISTING CURB & GUTTER AND SIDEWALK.
- INSTALL PEDESTRIAN CURB RAMPS AT ALL STREET CROSSINGS, INCLUDING THE NORTHWEST CORNER OF 11TH STREET AND HEFFERNAN AVENUE.
- INSTALL CROSS GUTTERS AT STREET OPENINGS.

LEGEND

ITEM NO.	ITEM	SYMBOL
1	CONCRETE REMOVAL	[Symbol]
2	FULL DEPTH AC PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL	[Symbol]
3	REMOVE VEGETATION, DEBRIS, AND OTHER CONFLICT MATERIAL	[Symbol]
4	CONCRETE IMPROVEMENT	[Symbol]
5	2" MILL AND OVERLAY	[Symbol]
6	DAYLIGHT LINE	[Symbol]
7	DRAINAGE FLOW LINE	[Symbol]
8	GRADE BREAK	[Symbol]
9	SAWCUT	[Symbol]
10	RIGHT-OF-WAY LINE	[Symbol]
11	CENTERLINE ALIGNMENT	[Symbol]
12	MAJOR CONTOURS - EXISTING	[Symbol]
13	MINOR CONTOURS - EXISTING	[Symbol]
14	MAJOR CONTOURS - PROPOSED	[Symbol]
15	MINOR CONTOURS - PROPOSED	[Symbol]
16	TELEPHONE LINE	[Symbol]
17	EXISTING STREET LIGHT	[Symbol]
18	PROPOSED STREET LIGHT	[Symbol]
19	OVERHEAD ELECTRICAL LINE	[Symbol]
20	GAS LINE	[Symbol]
21	GAS VALVE	[Symbol]
22	WATER LINE	[Symbol]
23	WATER VALVE	[Symbol]
24	WATER METER	[Symbol]
25	FIRE HYDRANT	[Symbol]
26	BACKFLOW PREVENTER	[Symbol]
27	SANITARY SEWER LINE	[Symbol]
28	SANITARY SEWER MANHOLE	[Symbol]
29	EXISTING SIGN	[Symbol]
30	PROPOSED SIGN	[Symbol]
31	EDGE OF PAVEMENT	[Symbol]
32	CURB RAMP	[Symbol]
33	DRIVEWAY	[Symbol]
34	CROSS GUTTER	[Symbol]

ABBREVIATIONS

AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AGG	AGGREGATE
APN	ASSESSOR'S PARCEL NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
BC	BEGIN HORIZONTAL CURVE
BEG	BEGIN
BFP	BACKFLOW PREVENTER
BRG	BEARING
CA	CALIFORNIA
CHAP	CHAPTER
CL, C	CENTERLINE
CO	COMPANY
COMM	COMMUNICATIONS
COVERD	COVERED
C&G	CURB AND GUTTER
DIA	DIAMETER
DWG	DRAWING
DWY	DRIVEWAY
E	EASTING
EC	END HORIZONTAL CURVE

SEE CONTINUATION ON SHEET 02

VICINITY MAP



SHEET INDEX

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BENCHMARK

PROJECT BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS SURVEY ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983 DATUM (NAD83(2011)) AS DEFINED BY SECTION 8801 TO 8819 OF THE CALIFORNIA PUBLIC RESOURCES CODE. SAID BEARINGS ARE BASED LOCALLY UPON FIELD OBSERVED TIES TO NGS STATION "12224" AND "1VFN 19" AND CSRN "P500" PER RECORD OF SURVEY MAP RECORDED IN BOOK 21, PAGE 1-25 OF RECORD OF SURVEY MAPS.

PROJECT BENCHMARK:
THE STATION MARK IS A SURVEY BENCHMARK DISK SET ON TOP OF A CONCRETE HEADWALL. THE STAMPING ON THE DISK IS "T 1224 1971" AND IS AT THE NORTHEAST QUADRANT OF YOURMAN ROAD AND CORRELL ROAD, 88.5 FEET EAST OF THE CENTERLINE OF THE NORTHBOUND LANE OF HIGHWAY 111, 27.7 FEET EAST OF THE CENTERLINE OF YOURMAN ROAD, AND 50 FEET NORTH OF THE CENTERLINE OF CORRELL ROAD.

ELEVATION: NAVD88 + 1000' = -9.74' + 1000' = 990.26'

THE CONTRACTOR SHALL POSSESS A CALIFORNIA CONTRACTOR'S LICENSE, CLASS A AT THE TIME THIS CONTRACT IS AWARDED.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

NICHOLAS J. OLESKIEWICZ
89464
R.C.E. No.
7/25/23
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
62028
R.C.E. No.
09/30/23
REG. EXP.
7/26/23
DATE



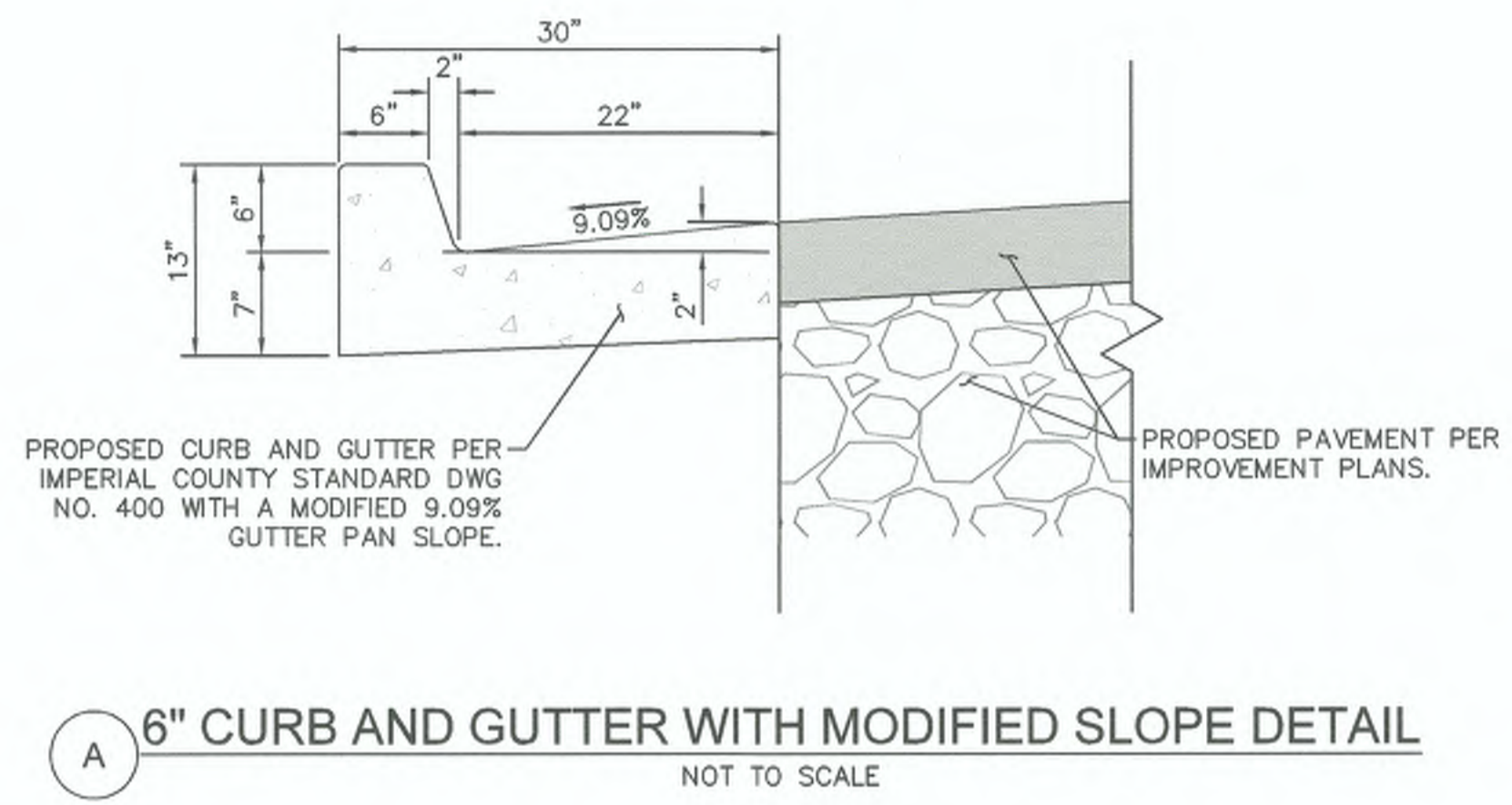
PUBLIC WORKS DEPARTMENT
DATE: 7/25/2023
DRAWN:
SCALE: AS SHOWN
CHECKED:

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY COUNTY PROJECT No. 6516

TITLE SHEET
REFERENCE: 6516
R-983
SHEET 01 OF 19

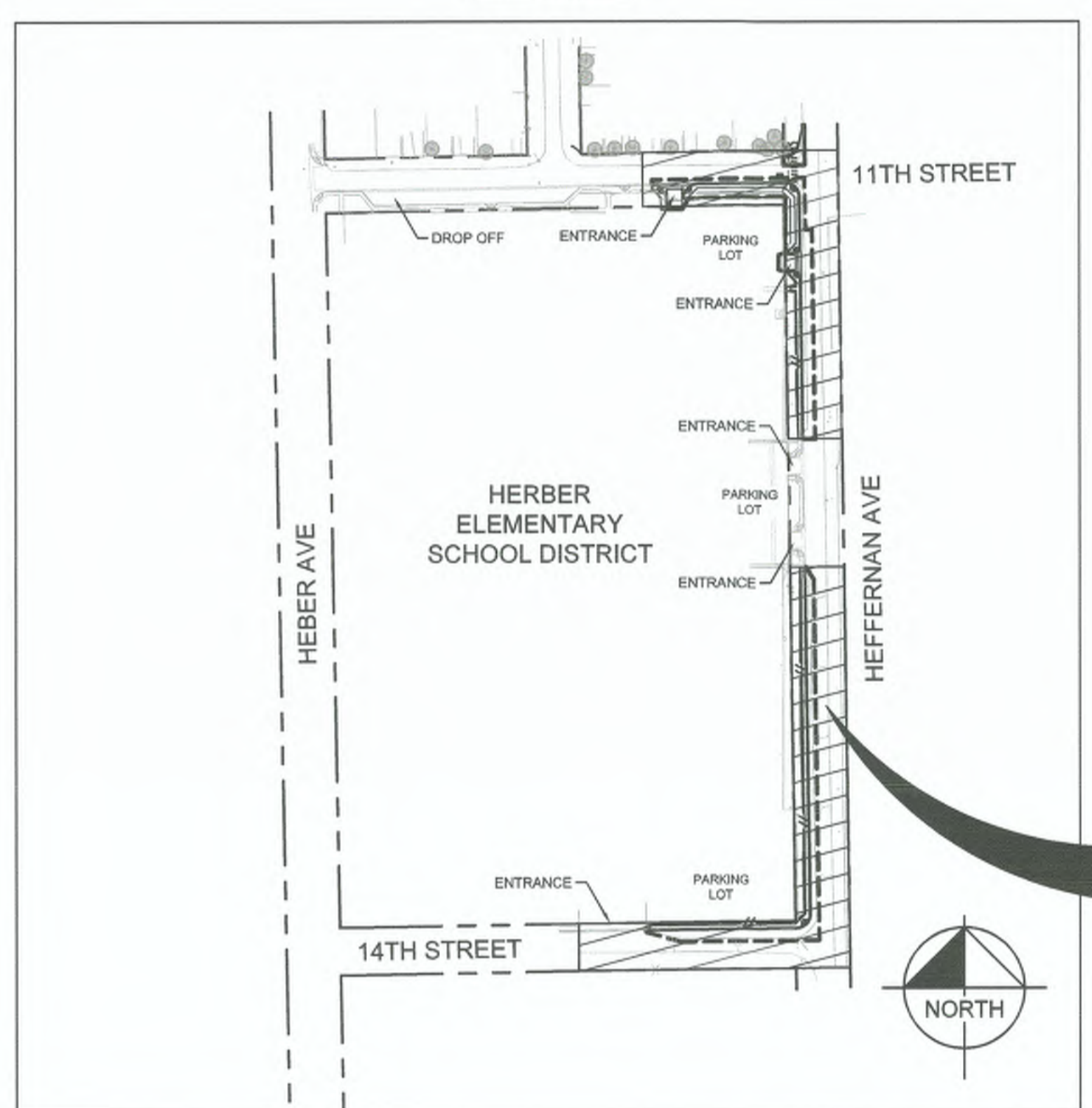
ABBREVIATIONS (CONTINUED):

ELEC	ELECTRIC	NAVD	NORTH AMERICA VERTICAL DATUM	W	WATER
ES	EDGE OF SLOPE	NO.	NUMBER	WM	WATER METER
EX, EXIST	EXISTING	O.C.	ON CENTER	WV	WATER VALVE
FG	FINISHED GRADE	OHE	OVERHEAD ELECTRIC		
FH	FIRE HYDRANT	PCC	PORTLAND CONCRETE CEMENT		
FL	FLOW LINE	PI	POINT OF INTERSECTION		
FR	FIBER ROLL	PSI	POUNDS PER SQUARE INCH		
FS	FINISHED SURFACE	PVC	POLYVINYL CHLORIDE		
HMA	HOT MIX ASPHALT	PVI	POINT OF VERTICAL INFLECTION		
HPUD	HEBER PUBLIC UTILITY DISTRICT	R	RADIUS		
ID	IMPERIAL IRRIGATION DISTRICT	RD	ROAD		
LBS	POUNDS	RT	RIGHT		
LT	LEFT	R/W	RIGHT OF WAY		
M	METER	SL	STREET LIGHT		
MAX	MAXIMUM	SMH	SEWER MANHOLE		
ME	MATCH EXISTING	SS, SSWR	SANITARY SEWER		
Mid	MIDPOINT	ST	STREET		
MIN	MINIMUM	STA	STATION		
MM	MILLIMETER	STD	STANDARD		
MON WELL	MONUMENT WELL	SWPPP	STORM WATER POLLUTION PREVENTION PLAN		
MPH	MILES PER HOUR	TC	TOP OF CURB		
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	TD	TOP OF DIKE		
N	NORTHING	TELE	TELEPHONE		

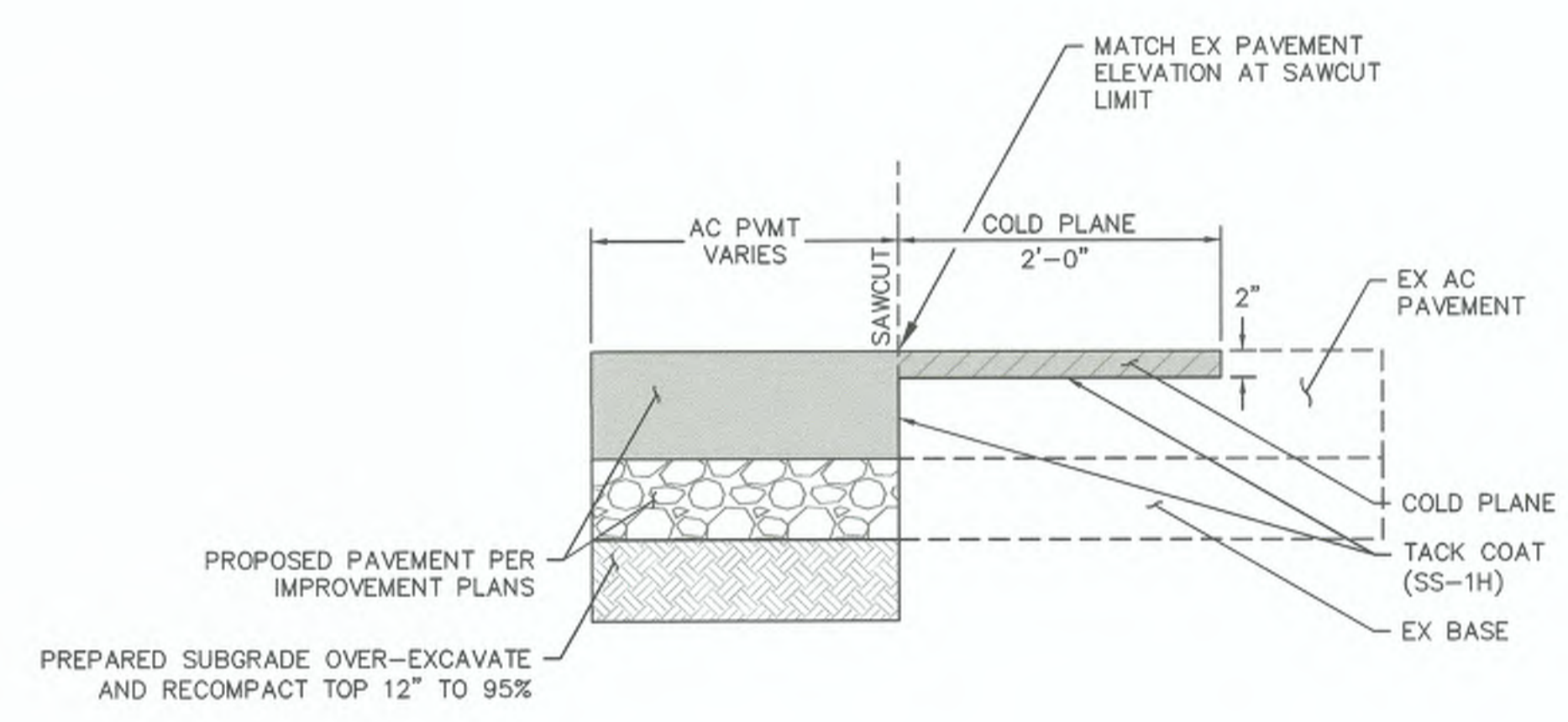


A 6" CURB AND GUTTER WITH MODIFIED SLOPE DETAIL
NOT TO SCALE

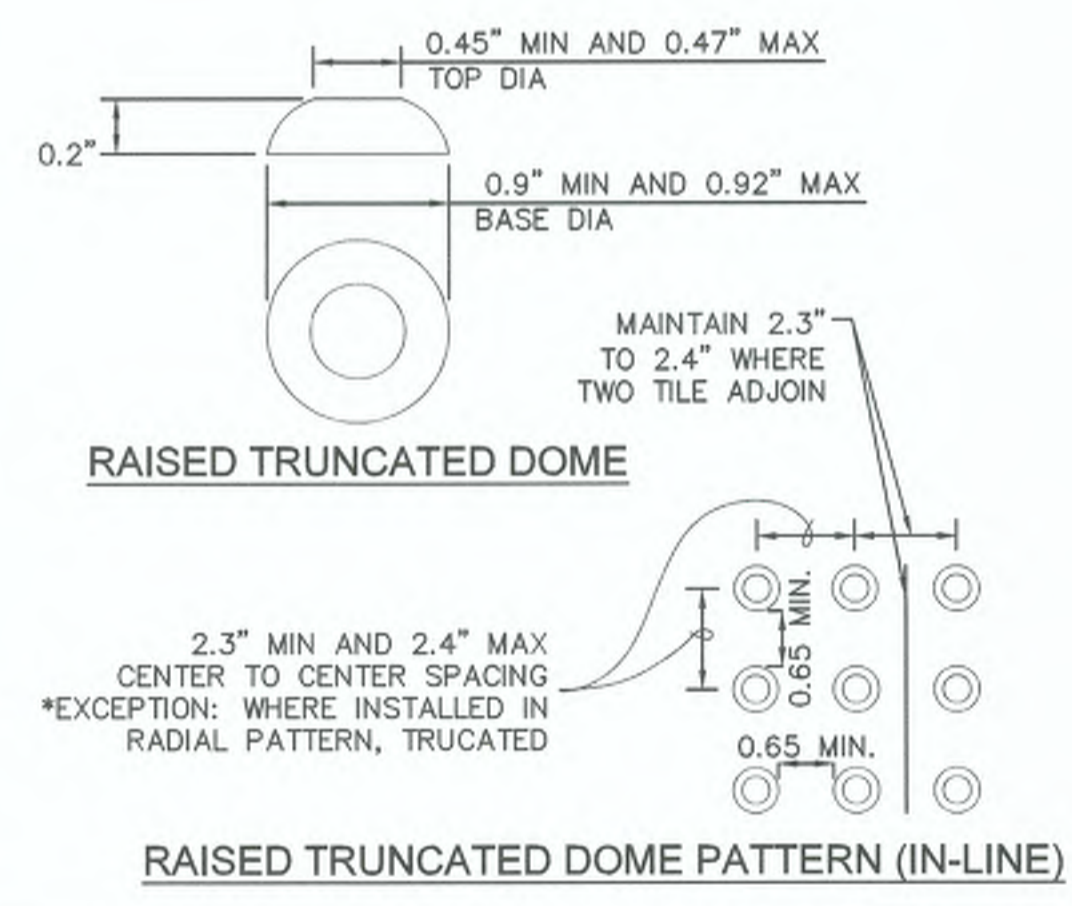
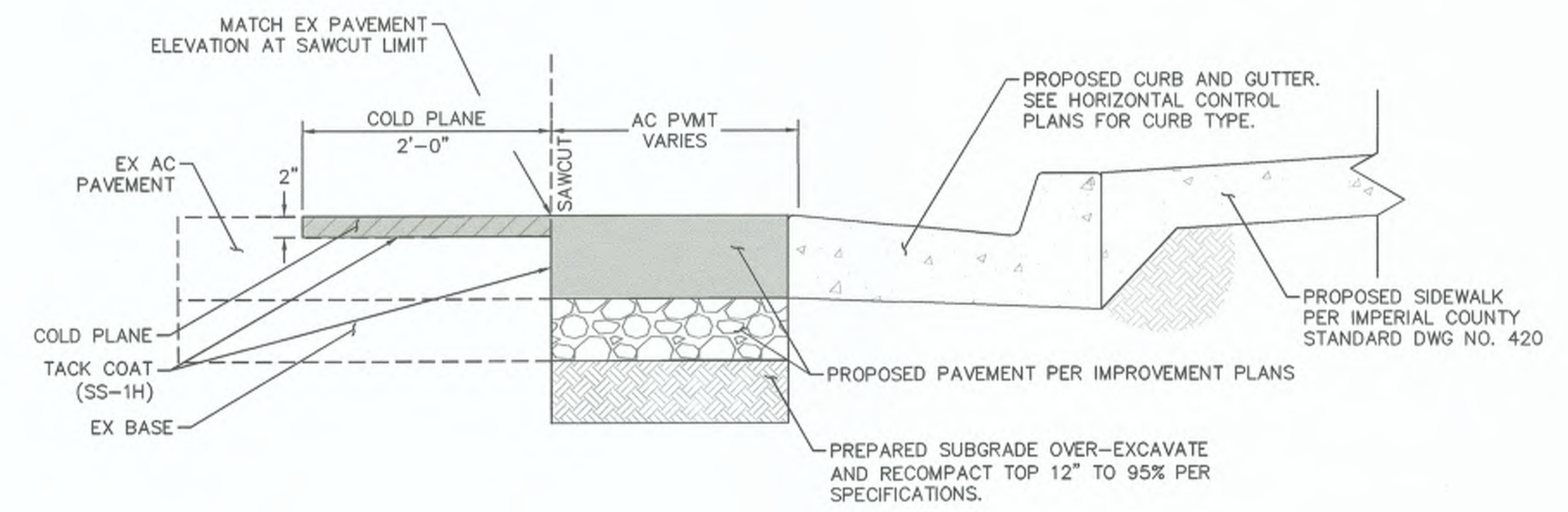
KEYMAP



PROJECT LOCATION

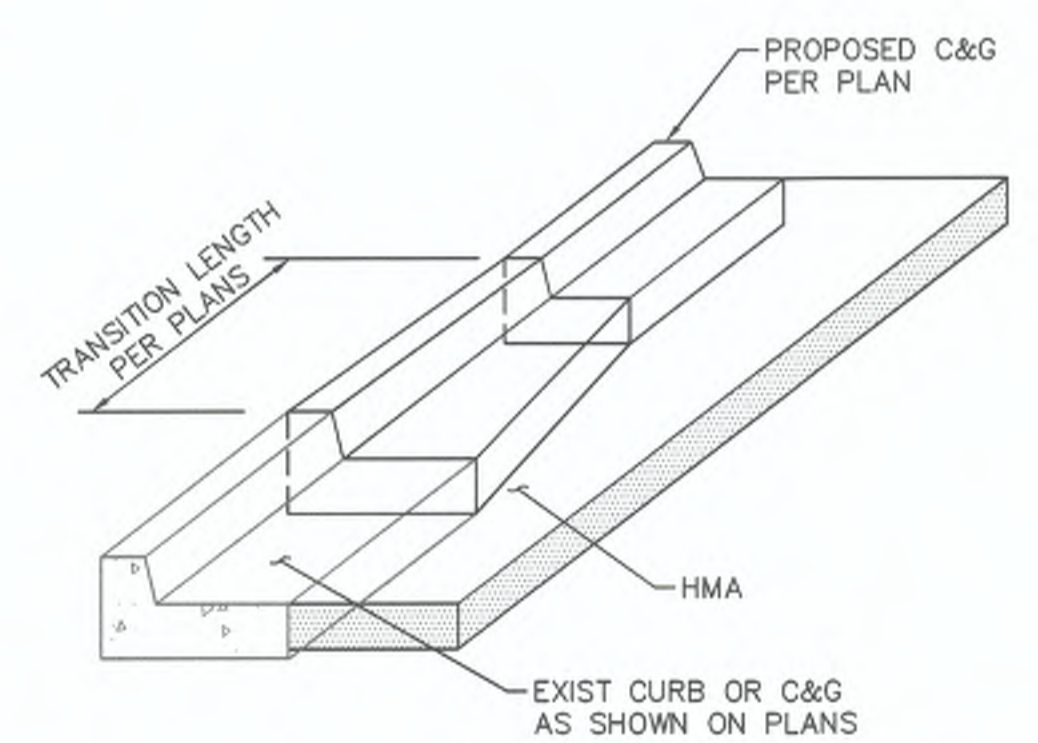


B ROADWAY SAWCUT DETAIL
NOT TO SCALE



NOTES
DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE 33538 OF SAE AMS-STD-595A.

D TRUNCATED DOMES
NOT TO SCALE



C CURB AND GUTTER TRANSITION DETAIL
NOT TO SCALE



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
Nicholas J. Oleskiewicz
NICHOLAS J. OLESKOWICZ
89464 R.C.E. No.
7/25/23 DATE
12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
62028 R.C.E. No.
7/26/23 DATE
09/30/23 REG. EXP.

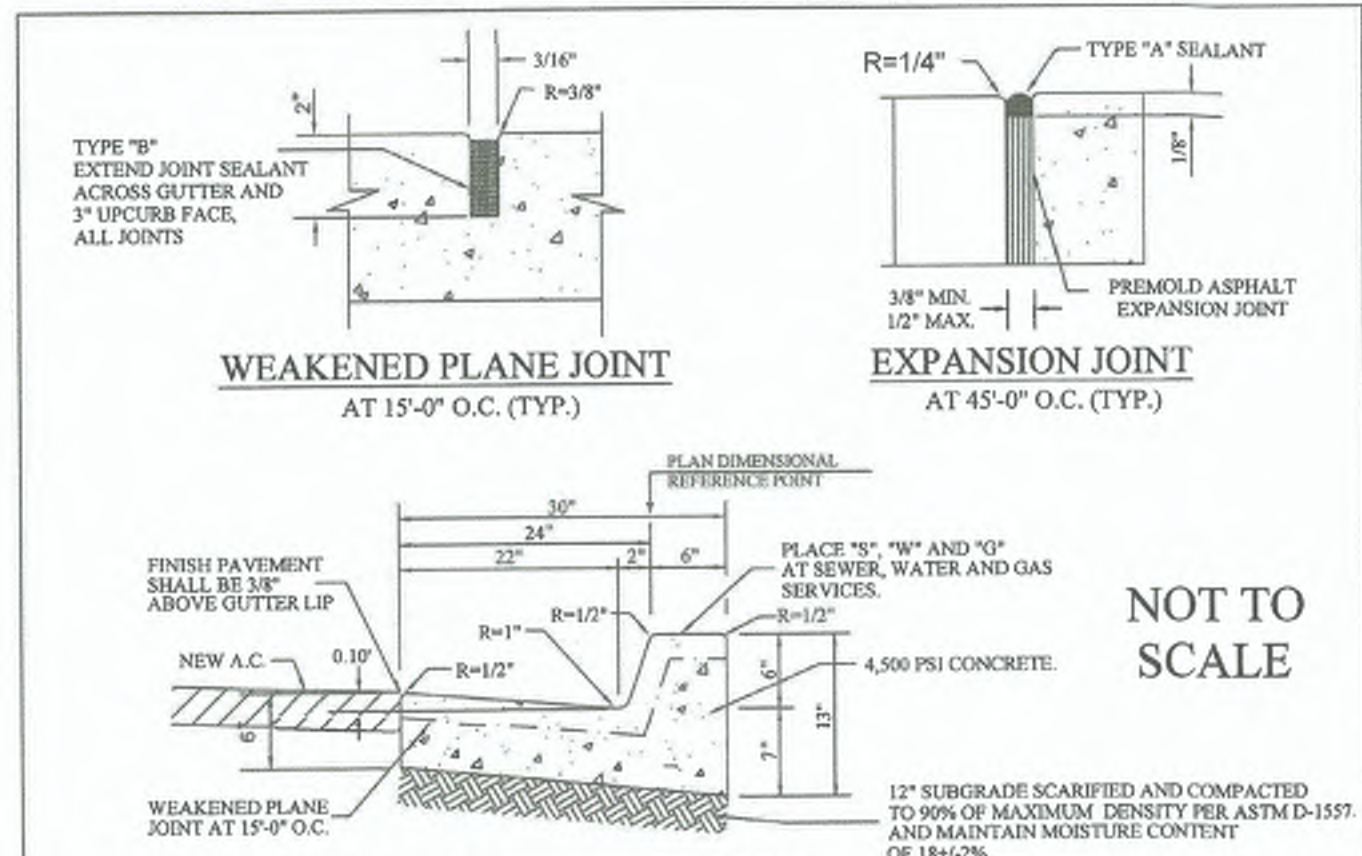
IMPERIAL COUNTY
PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 7/25/2023
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SCALE: N/A
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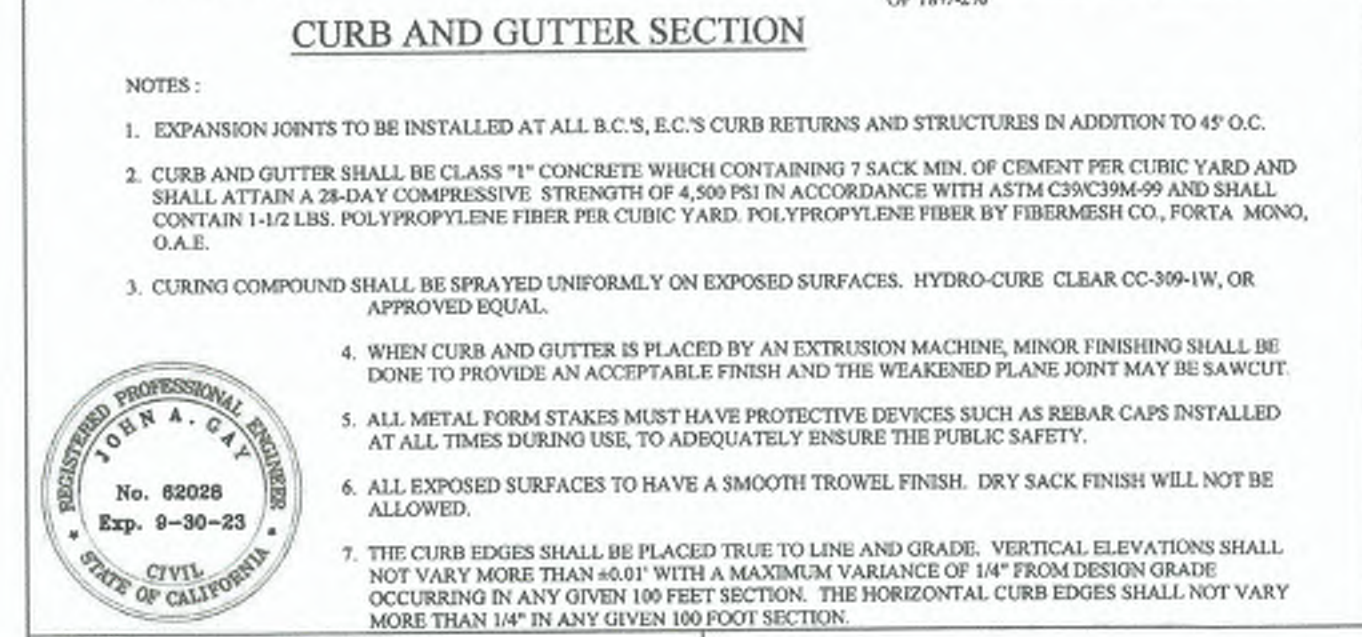
SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY COUNTY PROJECT No. 6516

GENERAL NOTES

REFERENCE	R-983
6516	SHEET 02 OF 19



NOT TO SCALE

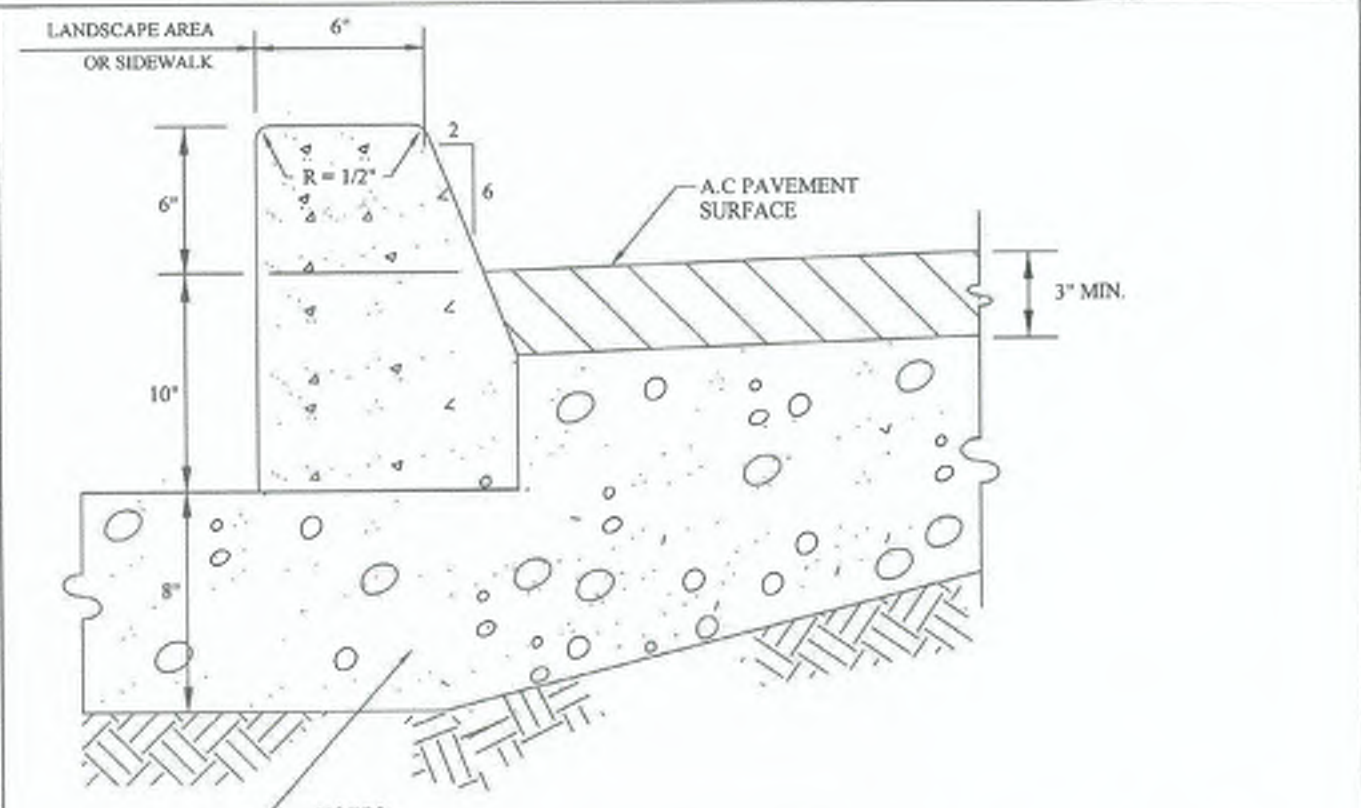


COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

CURB AND GUTTER

APPROVED BY: *John A. Gay* DATE: 07/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



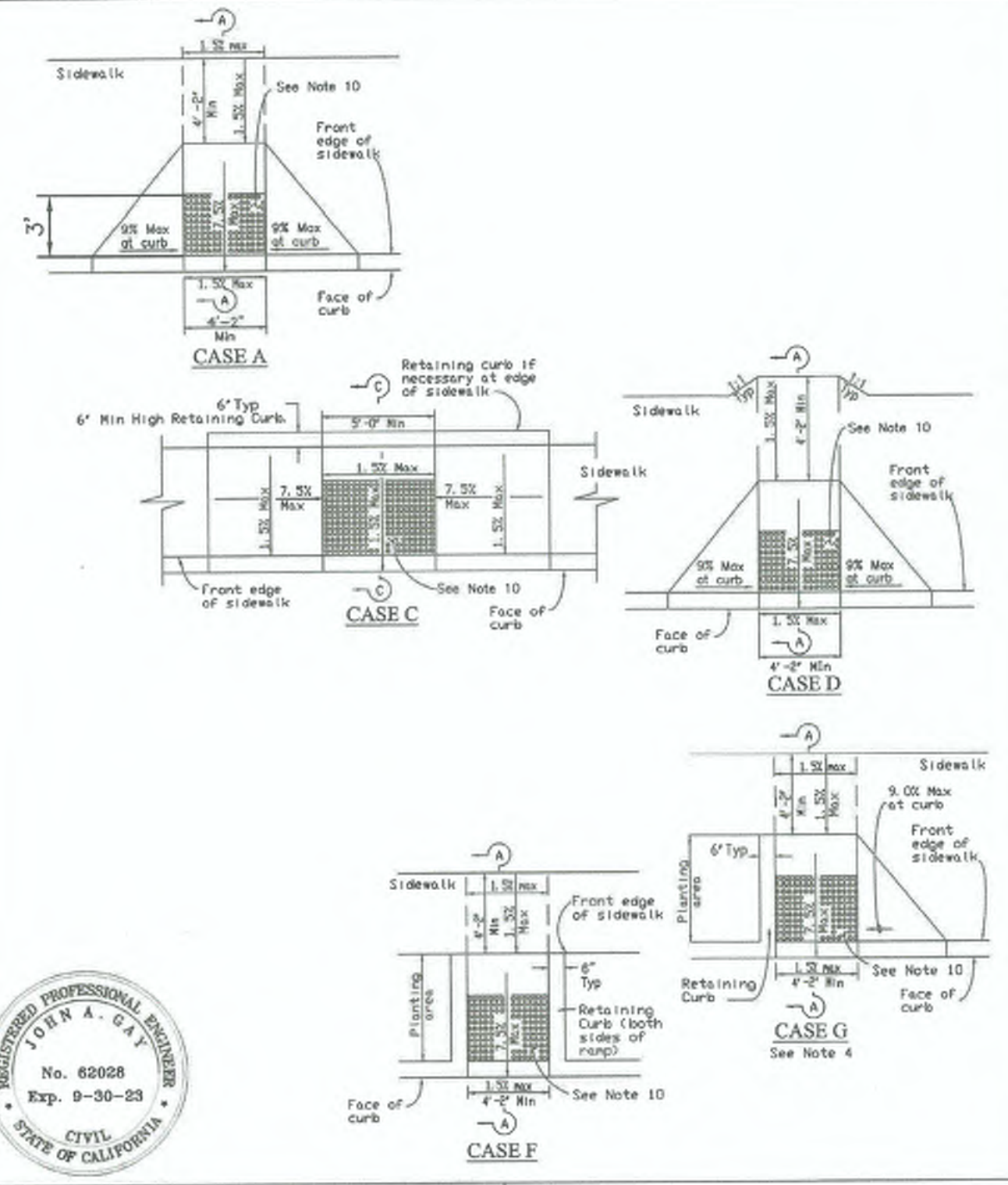
- NOT TO SCALE**
- CLASS II BASE (ONLY WHERE DESIGNATED ON PLANS)
- BARRIER CURB SHALL BE CLASS "1" CONCRETE CONTAINING 7 SACKS MIN. OF CEMENT PER CUBIC YARD WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI IN ACCORDANCE WITH ASTM C939M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.
 - EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, E.C.'S CURB RETURNS AND STRUCTURES IN ADDITION TO 45° O.C.
 - CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES. HYDRO-CURE CLEAR CC-309-1W, OR APPROVED EQUAL.
 - WHEN BARRIER CURB IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING SHALL BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINT MAY BE SAWCUT.
 - ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS REBAR CAPS INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY ENSURE THE PUBLIC SAFETY.
 - ALL EXPOSED SURFACES TO HAVE A SMOOTH TROWEL FINISH. DRY SACK FINISH WILL NOT BE ALLOWED.
 - THE CURB EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01" WITH A MAXIMUM VARIANCE OF 1/4" FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FEET SECTION. THE HORIZONTAL CURB EDGES SHALL NOT VARY MORE THAN 1/4" IN ANY GIVEN 100 FOOT SECTION.
 - SCARIFY AND COMPACT 12" BELOW SUBGRADE TO 90 PERCENT (MINIMUM) OF MAXIMUM DENSITY PER ASTM D-1557 AND MAINTAIN MOISTURE CONTENT OF 18±.2%.

COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

TYPE "A" BARRIER CURB

APPROVED BY: *John A. Gay* DATE: 07/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE

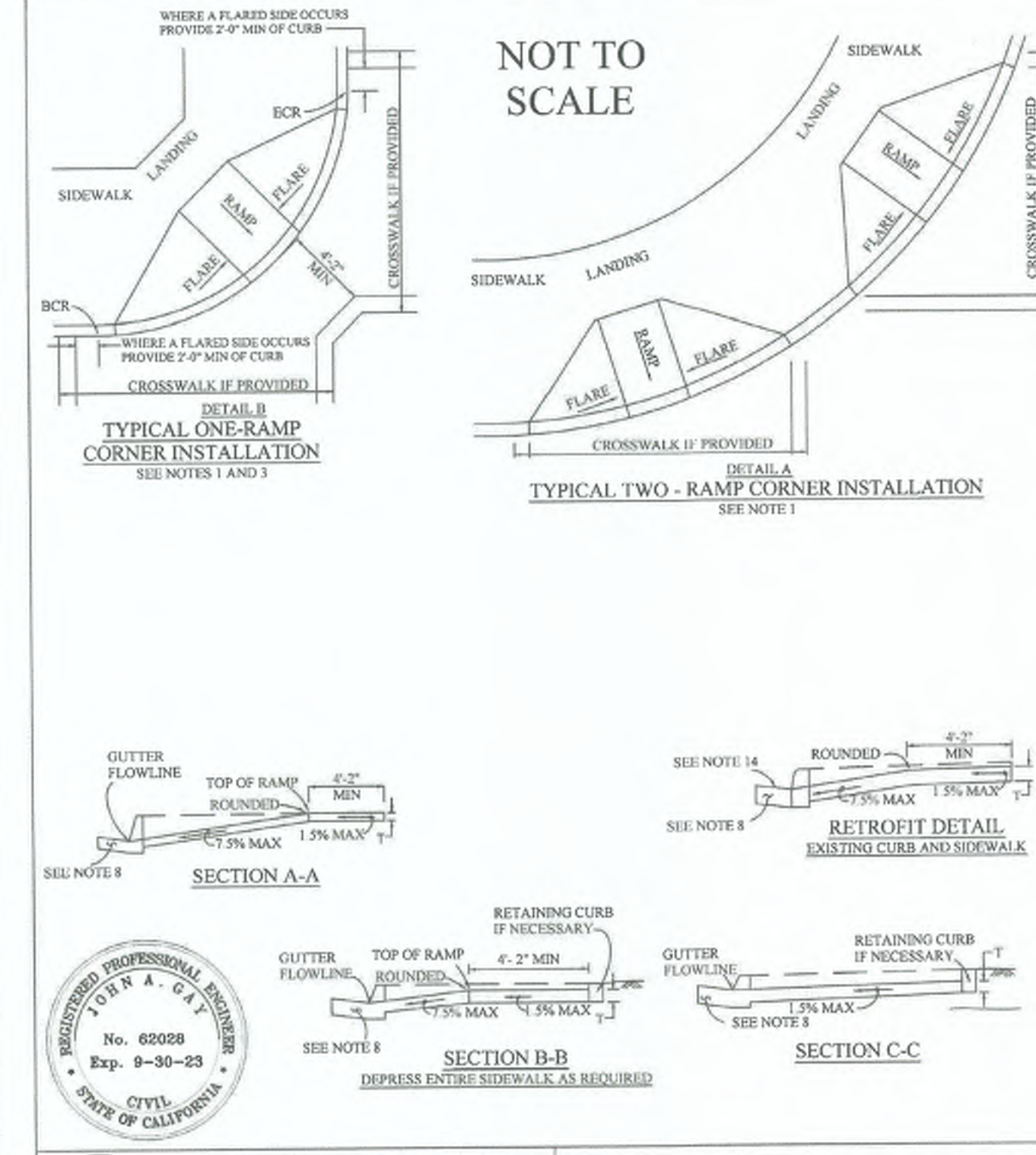


COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

PEDESTRIAN RAMP AND CURB RETURN

APPROVED BY: *John A. Gay* DATE: 7/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



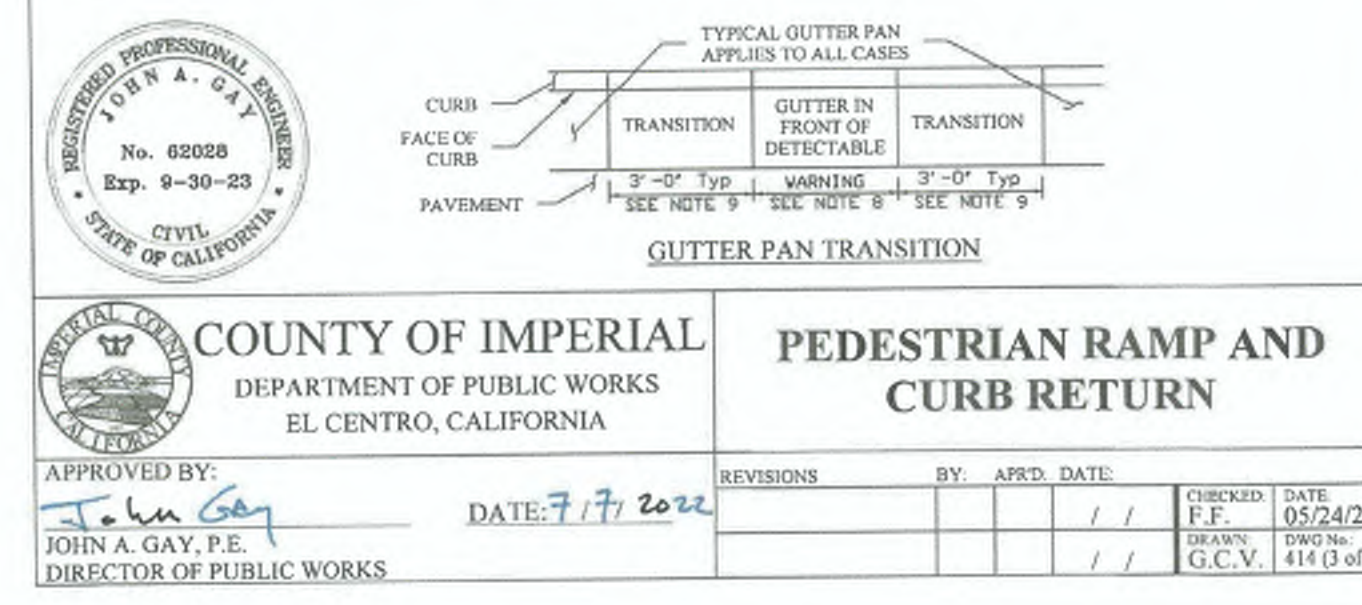
COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

PEDESTRIAN RAMP AND CURB RETURN

APPROVED BY: *John A. Gay* DATE: 7/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE

- NOTES:**
- AS SITE CONDITIONS DICTATE, CASE A THROUGH CASE G CURB RAMPS MAY BE USED FOR CORNER INSTALLATIONS SIMILAR TO THOSE SHOWN IN DETAIL A AND DETAIL B. THE CASE OF CURB RAMPS USED IN DETAIL A DO NOT HAVE TO BE THE SAME. CASE A THROUGH THE SAME CASE G CURB RAMPS ALSO MAY BE USED AT MID-BLOCK LOCATIONS, ON SITE CONDITIONS DICTATE. FOR SPECIFIC SITE CONDITION CONFIGURATION, INCLUDING THE CONFORM TO EXISTING SIDEWALK, SEE PROJECT PLANS.
 - IF DISTANCE FROM CURB TO BACK OF SIDEWALK IS TOO SHORT TO ACCOMMODATE RAMP, THE CASE OF CURB RAMPS USED IN DETAIL A THROUGH THE SAME CASE G CURB RAMPS ALSO MAY BE USED AT MID-BLOCK LOCATIONS, ON SITE CONDITIONS DICTATE. FOR SPECIFIC SITE CONDITION CONFIGURATION, INCLUDING THE CONFORM TO EXISTING SIDEWALK, SEE PROJECT PLANS.
 - WHEN RAMP IS LOCATED IN CENTER OF CURB RETURN, CROSSWALK CONFIGURATION MUST BE SIMILAR TO THAT SHOWN FOR DETAIL B.
 - AS SITE CONDITIONS DICTATE, THE RETAINING CURB SIDE AND THE FLARED SIDE OF THE CASE G RAMP SHALL BE CONSTRUCTED IN REVERSED POSITION.
 - THE RAMP PORTION OF THE CURB RAMP IS A TYPICAL RECTANGLE, UNLESS MODIFIED IN THE PROJECT PLANS.
 - SIDE SLOPE OF RAMP FLARES VARY UNIFORMLY FROM A MAXIMUM OF 0.9% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP, EXCEPT IN CASE C AND CASE F.
 - THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.
 - COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24" OF THE CURB RAMP SHALL NOT BE STEEPER THAN 200:1 (V (S) 0.5% GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH.
 - TRANSITION GUTTER PAN SLOPE FROM 1" OF DEPTH FOR EACH 2'-0" OF WIDTH TO MATCH TYPICAL GUTTER.
 - THE DETECTABLE WARNING SURFACE WILL BE A RECTANGLE AS SHOWN AT BACK OF CURB, UNLESS MODIFIED IN THE PROJECT PLANS. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 2'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP EXCEPT A MAXIMUM GAP OF 1" IS ALLOWED ON EACH SIDE OF THE RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.
 - SIDEWALK AND RAMP THICKNESS, "1", SHALL BE 4" MINIMUM. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS REBAR CAPS INSTALLED AT ALL TIMES DURING USE TO ADEQUATELY ENSURE PUBLIC SAFETY. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, E.C.'S, CURB RETURNS AND STRUCTURES IN ADDITION TO 45° O.C. FOR JOINTS DETAILS SEE STD. DWG. 400. SIDEWALK AND CURB SHALL NOT BE POURED MONOLITHIC. SCARIFY AND COMPACT 12" BELOW SUBGRADE TO 90 PERCENT (MINIMUM) OF MAXIMUM DENSITY PER ASTM D-1557 AND MAINTAIN MOISTURE CONTENT OF 18±.2% FOR ALL LOCATIONS UNDERNEATH CONCRETE SIDEWALK. CONTIGUOUS SIDEWALK SHALL BE CLASS "1" CONCRETE CONTAINING 7 SACKS OF CEMENT PER CUBIC YARD WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI IN ACCORDANCE WITH ASTM C939M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER PER CUBIC YARD, POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.
 - UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP SHALL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.
 - DETECTABLE WARNING SURFACE MAY HAVE TO BE CUT TO ALLOW REMOVAL OF UTILITY COVERS WHILE MAINTAINING DETECTABLE WARNING WIDTH AND DEPTH.
 - DETAILS SHALL CONFORM TO LATEST VERSION OF CALTRANS STANDARD PLANS.

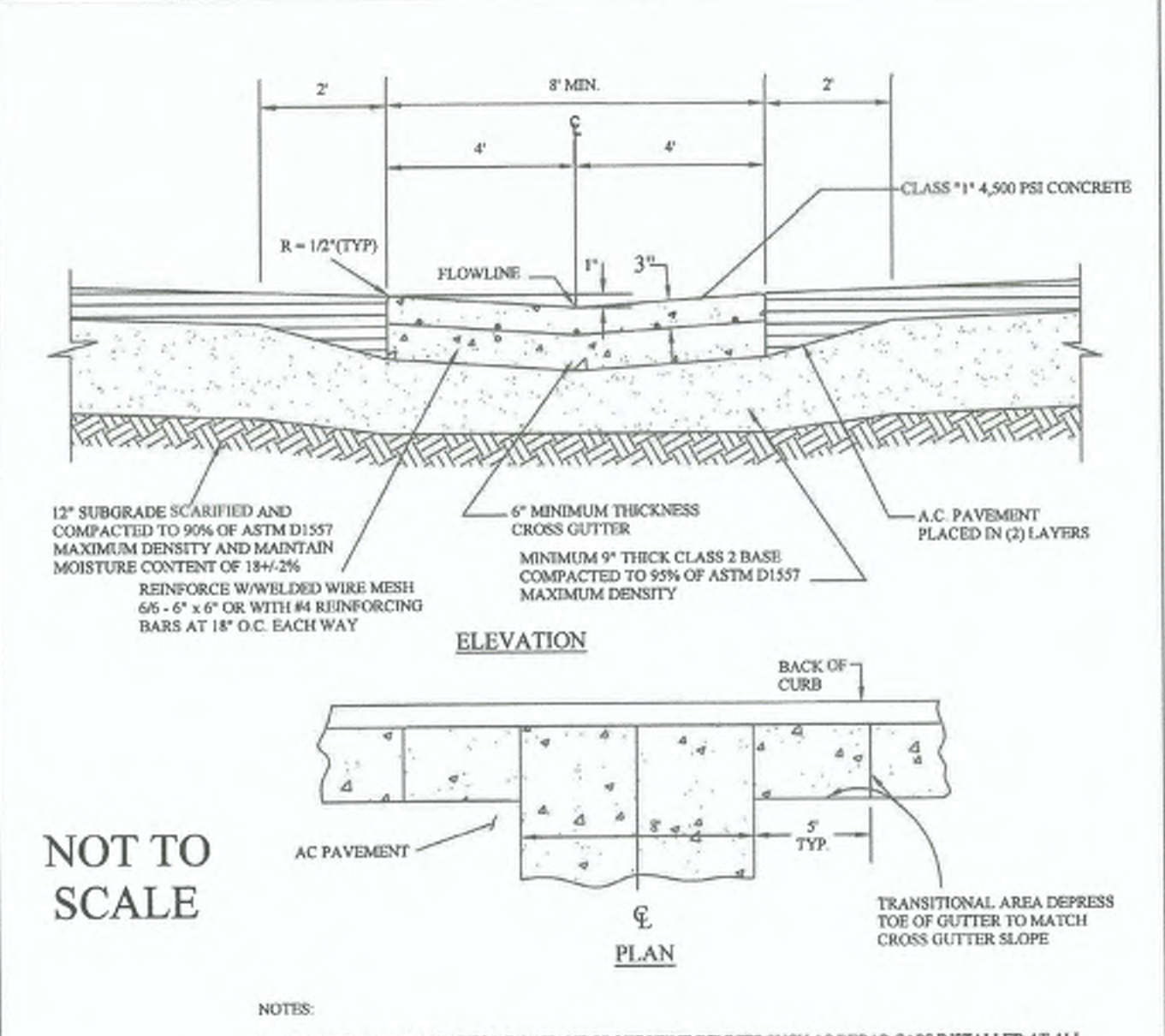


COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

PEDESTRIAN RAMP AND CURB RETURN

APPROVED BY: *John A. Gay* DATE: 7/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



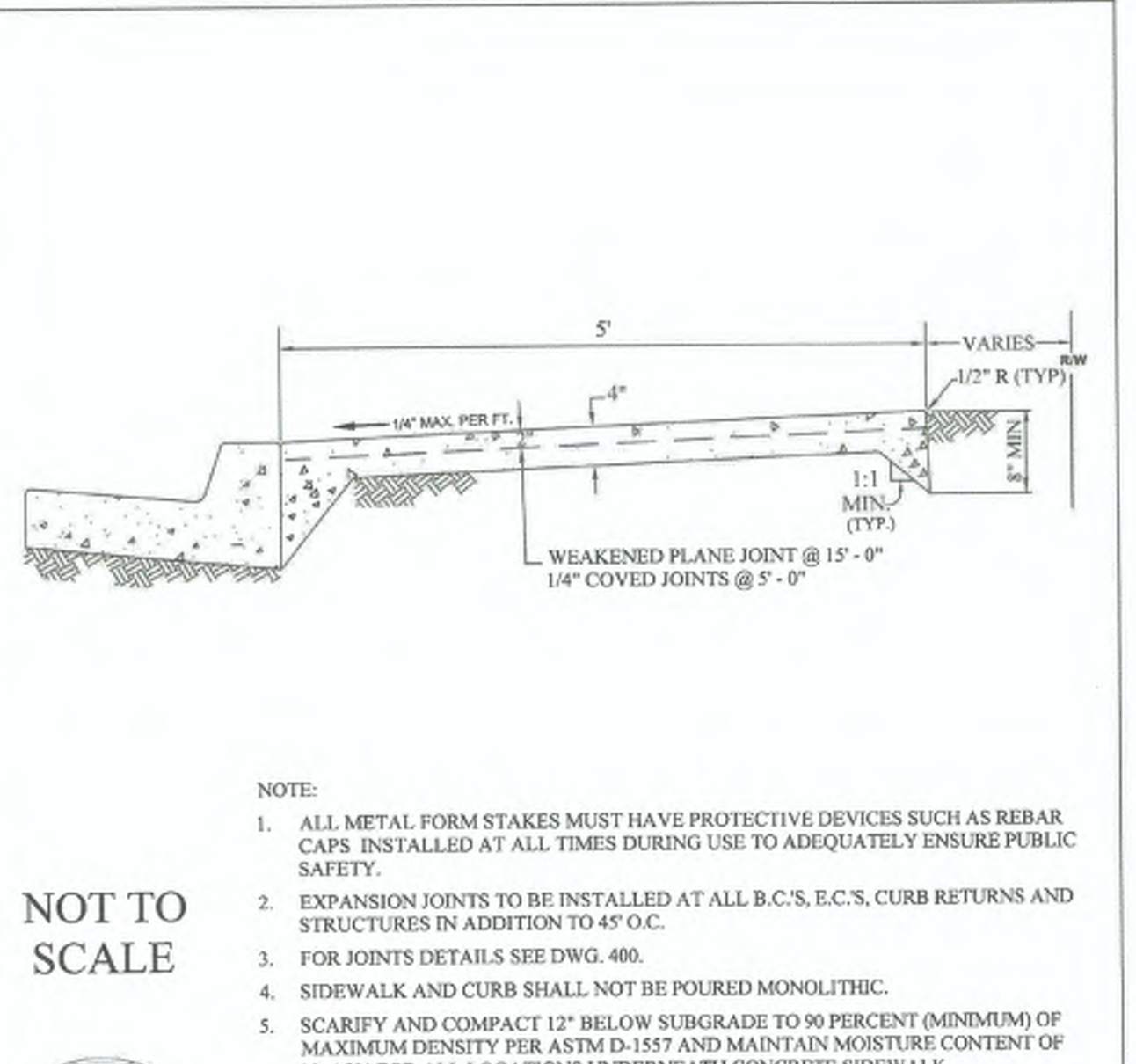
- NOT TO SCALE**
- ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS REBAR CAPS INSTALLED AT ALL TIMES DURING USE TO ADEQUATELY ENSURE PUBLIC SAFETY.
 - MID-BLOCK CROSS GUTTER SHALL BE CLASS "1" CONCRETE CONTAINING 7 SACKS MIN. OF CEMENT PER CUBIC YARD WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI IN ACCORDANCE WITH ASTM C939M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.
 - THIS DETAIL MAY BE USED FOR OTHER SIMILAR APPLICATIONS SUCH AS CONCRETE RIBBON GUTTERS.

COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

MID-BLOCK CROSS GUTTER

APPROVED BY: *John A. Gay* DATE: 7/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



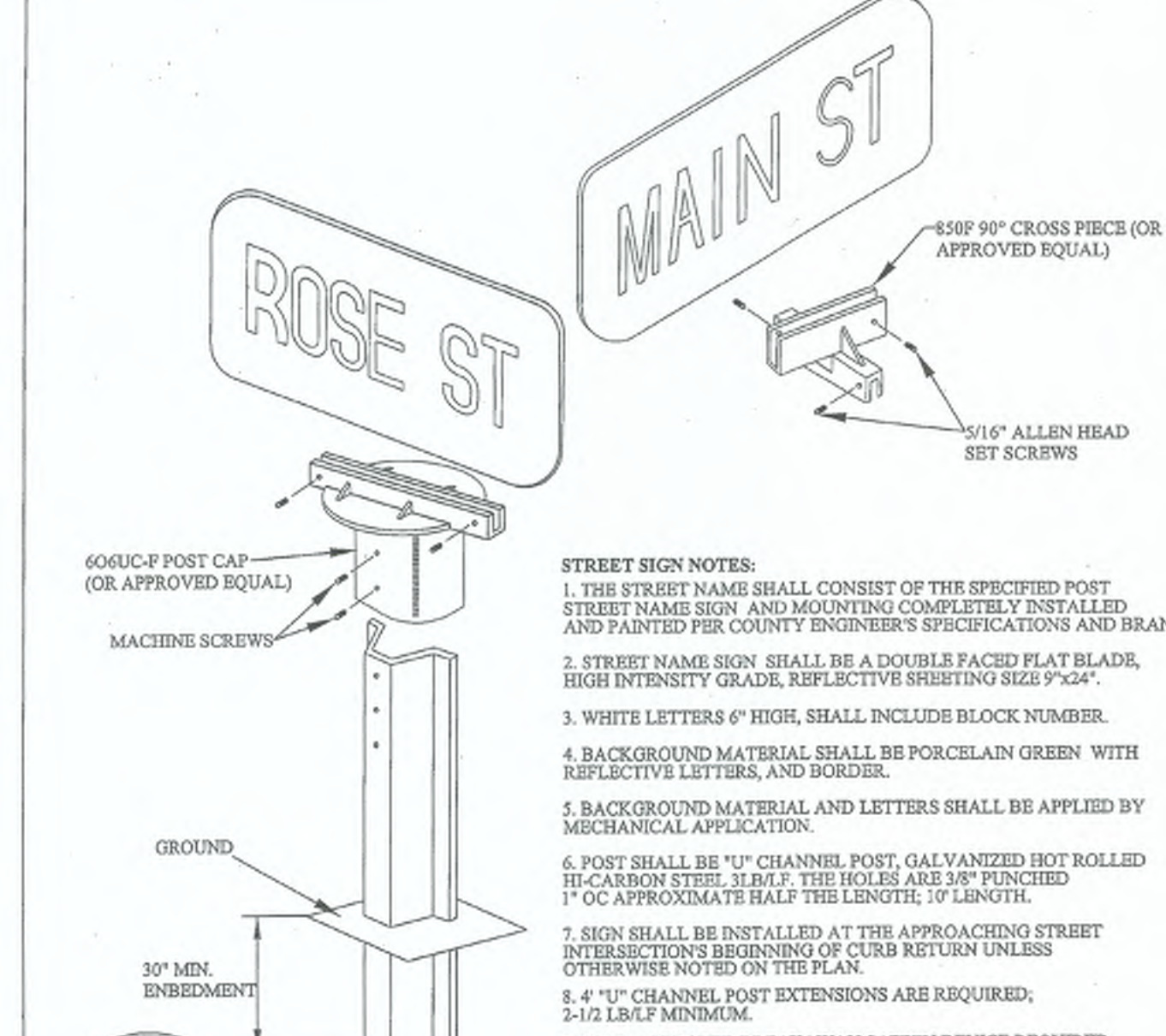
- NOT TO SCALE**
- ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS REBAR CAPS INSTALLED AT ALL TIMES DURING USE TO ADEQUATELY ENSURE PUBLIC SAFETY.
 - EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.'S, E.C.'S, CURB RETURNS AND STRUCTURES IN ADDITION TO 45° O.C.
 - FOR JOINTS DETAILS SEE DWG. 400.
 - SIDEWALK AND CURB SHALL NOT BE POURED MONOLITHIC.
 - SCARIFY AND COMPACT 12" BELOW SUBGRADE TO 90 PERCENT (MINIMUM) OF MAXIMUM DENSITY PER ASTM D-1557 AND MAINTAIN MOISTURE CONTENT OF 18±.2% FOR ALL LOCATIONS UNDERNEATH CONCRETE SIDEWALK.
 - CONTIGUOUS SIDEWALK SHALL BE CLASS "1" CONCRETE CONTAINING 7 SACKS OF CEMENT PER CUBIC YARD WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI IN ACCORDANCE WITH ASTM C939M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.

COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

CONTIGUOUS SIDEWALK

APPROVED BY: *John A. Gay* DATE: 7/7/2022
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



- NOT TO SCALE**
- STREET SIGN NOTES:**
- THE STREET NAME SIGN SHALL CONSIST OF THE SPECIFIED POST, STREET NAME SIGN, AND MOUNTING COMPLETELY INSTALLED AND PAINTED PER COUNTY ENGINEER'S SPECIFICATIONS AND BRAND.
 - STREET NAME SIGN SHALL BE A DOUBLE FACED FLAT BLADE, HIGH INTENSITY GRADE, REFLECTIVE SHEETING SIZE 9"x24".
 - WHITE LETTERS 6" HIGH, SHALL INCLUDE BLOCK NUMBER.
 - BACKGROUND MATERIAL SHALL BE PORCELAIN GREEN WITH REFLECTIVE LETTERS, AND BORDER.
 - BACKGROUND MATERIAL AND LETTERS SHALL BE APPLIED BY MECHANICAL APPLICATION.
 - POST SHALL BE 1/2" CHANNEL POST, GALVANIZED HOT ROLLED HEAVY CARBON STEEL, 3/8" X 1/2" X 10' PUNCHED 1" OC APPROXIMATE HALF THE LENGTH, 10' LENGTH.
 - SIGN SHALL BE INSTALLED AT THE APPROACHING STREET INTERSECTION'S BEGINNING OF CURB RETURN UNLESS OTHERWISE NOTED ON THE PLAN.
 - 4" 1/2" CHANNEL POST EXTENSIONS ARE REQUIRED, 2-1/2 LB/LF MINIMUM.
 9. FHWA APPROVED BREAKAWAY SAFETY DEVICE REQUIRED.

COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

RURAL COUNTY STREET NAME SIGN DETAIL

APPROVED BY: *William S. Brunet* DATE: 11/16/08
WILLIAM S. BRUNET, P.E. DIRECTOR OF PUBLIC WORKS

REVISIONS	BY	APRD. DATE	CHECKED	DATE



REVISION	DATE	COMMENTS

PREPARED UNDER THE DIRECT SUPERVISION OF:

Nicholas J. Oleskiewicz 89464 R.C.E. No.
NICHOLAS J. OLESKIEWICZ

7/25/23 DATE 12/31/24 REG. EXP.

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

John A. Gay 62028 R.C.E. No.
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS

7/28/23 DATE 09/30/23 REG. EXP.

COUNTY OF IMPERIAL
DEPARTMENT OF PUBLIC WORKS
EL CENTRO, CALIFORNIA

DATE: 7/25/2023
DRAWN: N/A
CHECKED: N/A

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET

ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY COUNTY PROJECT No. 6516

GENERAL NOTES

REFERENCE: 6516

R-983

SHEET 03 OF 19

149

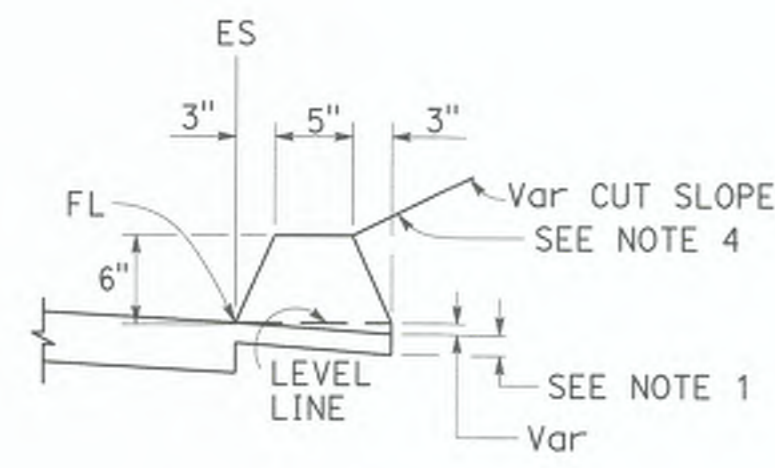
Dist	COUNTY	ROUTE	POST MILES	SHEET	TOTAL
			TOTAL PROJECT	NO.	SHEETS

H. David Cordova
REGISTERED CIVIL ENGINEER

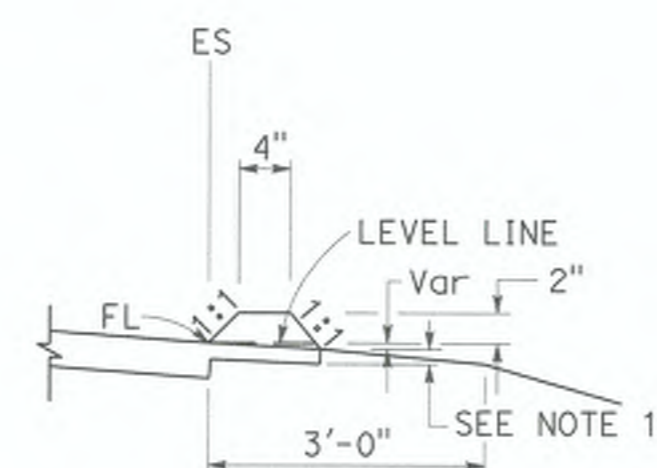
May 31, 2018
PLANS APPROVAL DATE

Hector David Cordova
REGISTERED PROFESSIONAL ENGINEER
No. C41957
Exp. 3-31-20
CIVIL
STATE OF CALIFORNIA

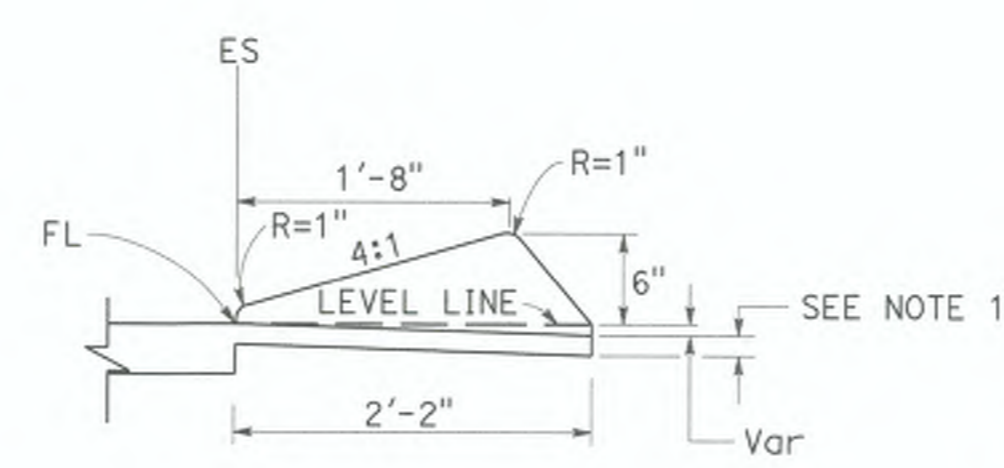
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



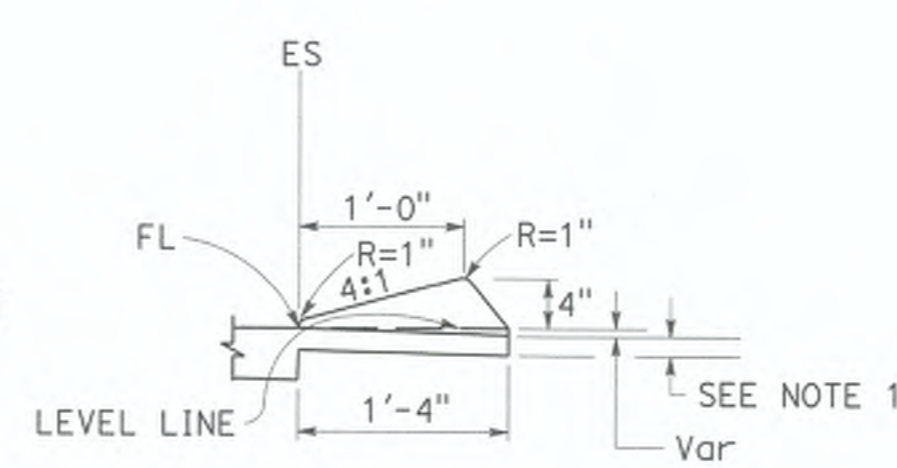
TYPE A
See Notes 3 and 5



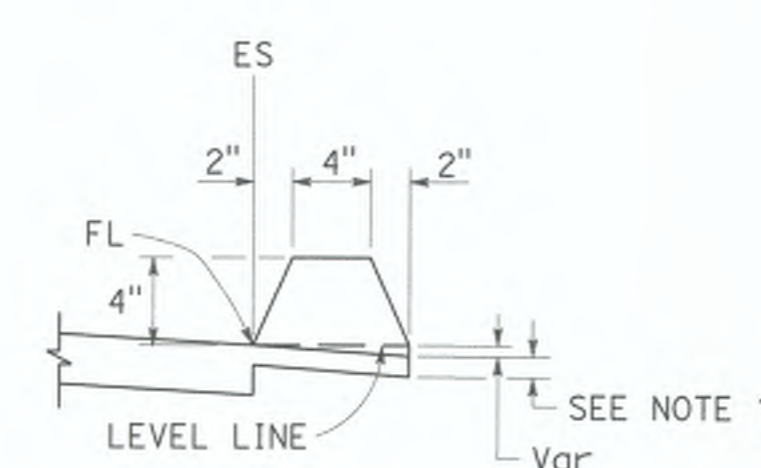
TYPE C



TYPE D

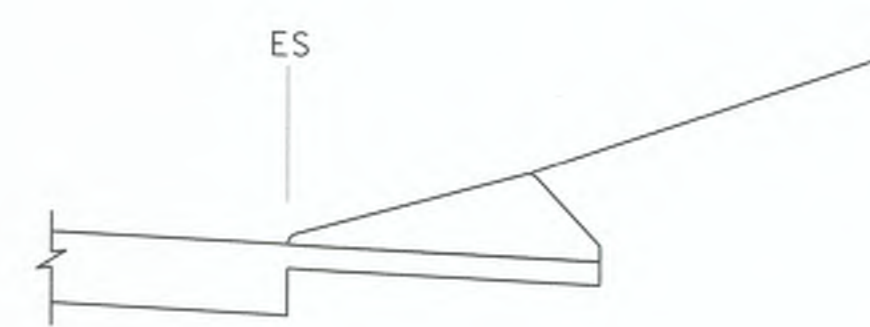


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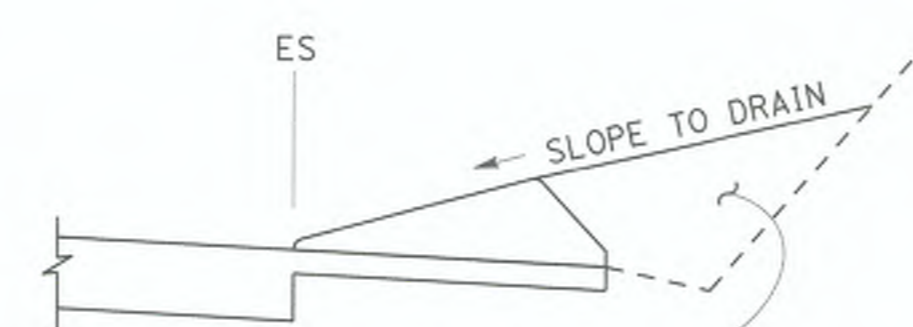


TYPE F
See Note 5

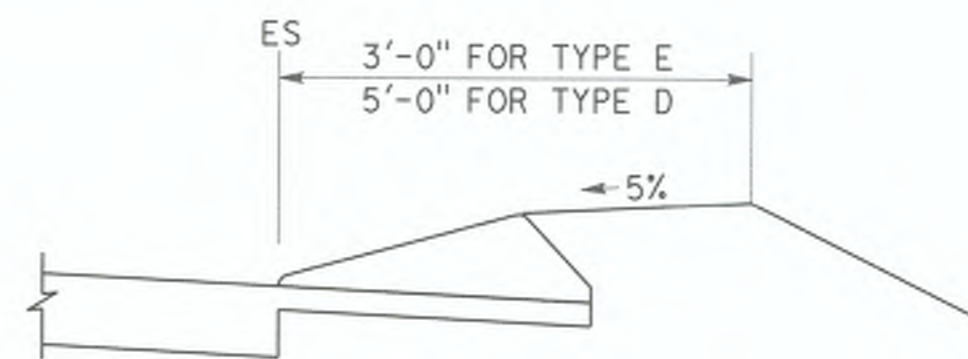
DIKES



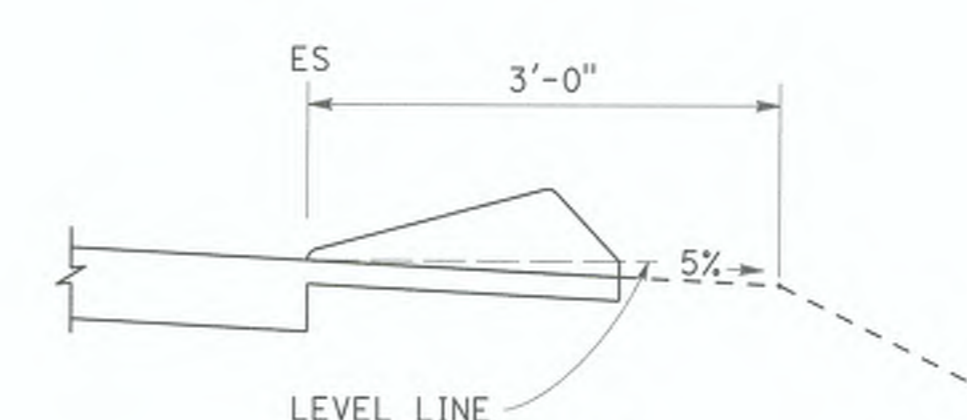
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

- For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
- Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
- Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
- Fill and compact with excavated material to top of dike.
- Use Type A or F dike, where dike is required with guardrail installations. See Standard Plan A77N4 for dike positioning details. See Standard Plan A77N3 for hinge point offsets with guardrail.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

NO SCALE

A87B

2018 STANDARD PLAN A87B



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
Nicholas J. Oleskovicz
NICHOLAS J. OLESKOWICZ
89464
R.C.E. No.
7/25/23
DATE
12/31/24
REG. EXP.



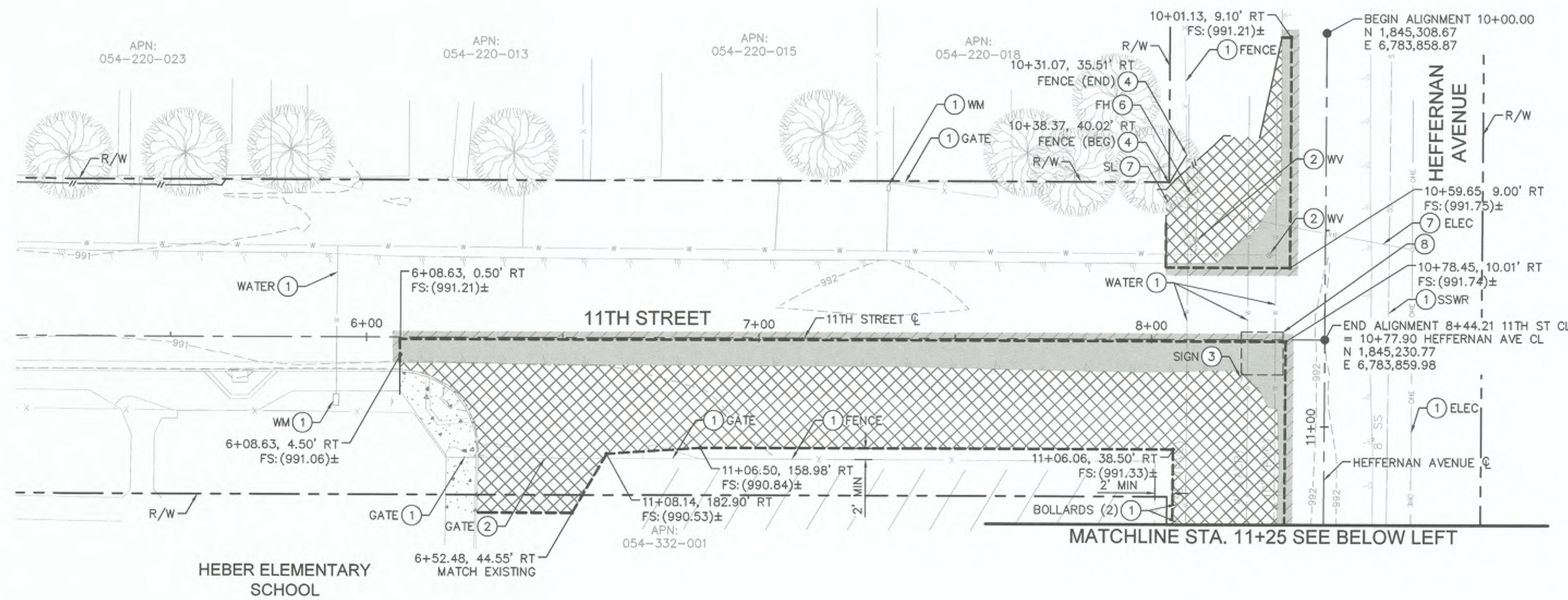
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
62028
R.C.E. No.
7/26/23
DATE
09/30/23
REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 7/25/2023
DRAWN: N/A
SCALE: N/A
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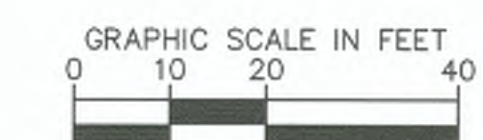
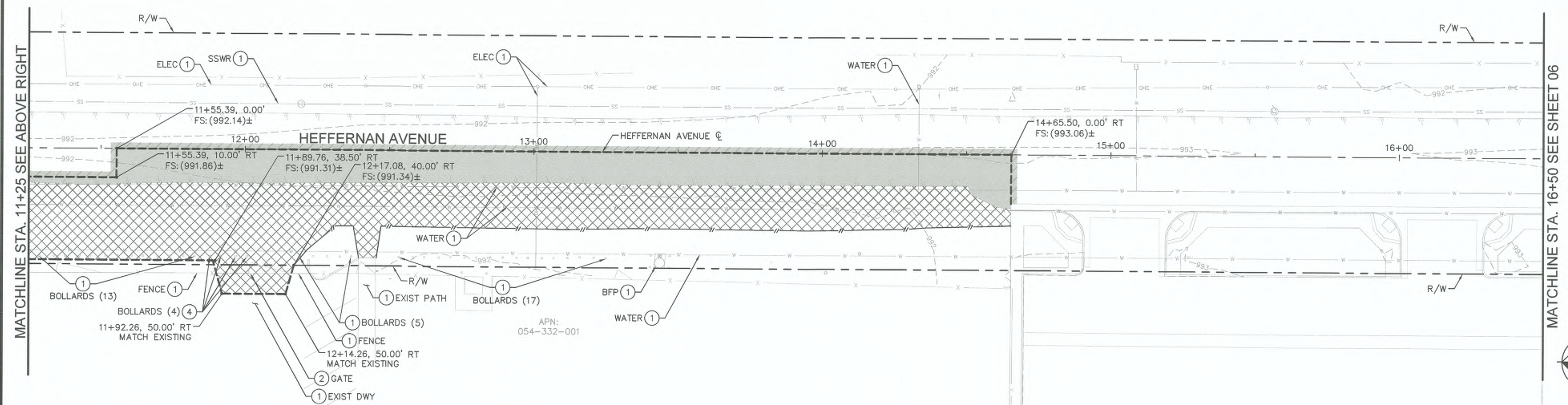
SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE
FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY COUNTY PROJECT No. 6516

GENERAL NOTES	
REFERENCE	R-983
6516	SHEET 04 OF 19



- LEGEND**
- DAYLIGHT LINE
 - SAWCUT
 - FULL DEPTH ASPHALT PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL.
 - CONCRETE REMOVAL (INCLUDES CURB & GUTTER, SIDEWALKS, DRIVEWAYS, CROSS GUTTERS, CURB RAMPS, AND OTHER CONCRETE SURFACING IN CONFLICT WITH THE PROPOSED IMPROVEMENTS).
 - REMOVE EXISTING ASPHALT, VEGETATION, DEBRIS, AND OTHER MATERIAL IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
 - COLD PLANE

- DEMOLITION NOTES**
- 1 PROTECT IN PLACE
 - 2 ADJUST TO GRADE
 - 3 REMOVE, SALVAGE, AND RELOCATE PER IMPROVEMENT AND SIGNING AND MARKING PLANS
 - 4 REMOVE
 - 6 RELOCATE BY HPUD PRIOR TO CONSTRUCTION
 - 7 RELOCATE BY IID PRIOR TO CONSTRUCTION
 - 8 REMOVE EXISTING STOP PAVEMENT MARKING AND LIMIT LINE BY SANDBLASTING. APPLY TRAFFIC BLACK PAINT TO SANDBLASTED SURFACES.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 NICHOLAS J. OLESKOWICZ
 R.C.E. No. 89464
 DATE 7/25/23 REG. EXP. 12/31/24



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

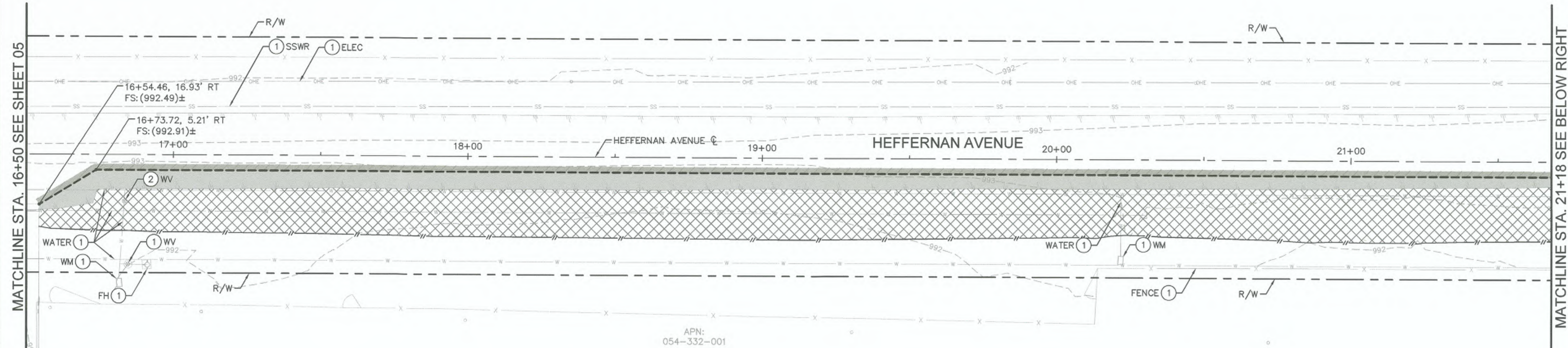
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE 7/24/23 REG. EXP. 09/30/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE 7/25/2023
 DRAWN AS SHOWN
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SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY COUNTY PROJECT No. 6516

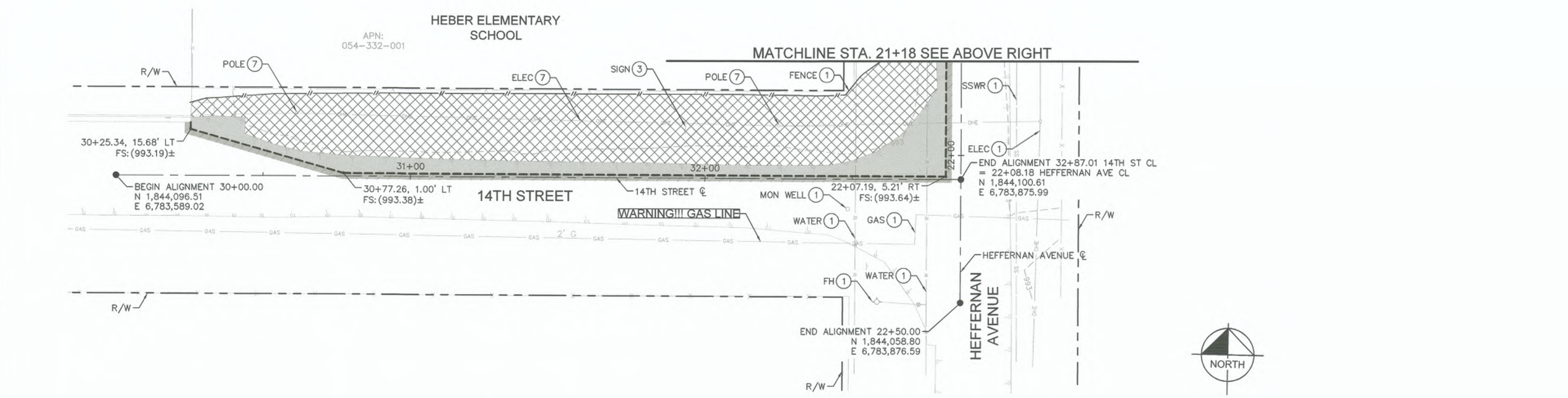
DEMOLITION PLANS	
REFERENCE 6516	R-983
SHEET 05	OF 19



LEGEND

- DAYLIGHT LINE
- SAWCUT
- FULL DEPTH ASPHALT PAVEMENT, CONCRETE, AND BASE COURSE REMOVAL
- CONCRETE REMOVAL (INCLUDES CURB & GUTTER, SIDEWALKS, DRIVEWAYS, CROSS GUTTERS, CURB RAMPS, AND OTHER CONCRETE SURFACING IN CONFLICT WITH THE PROPOSED IMPROVEMENTS).
- REMOVE EXISTING ASPHALT, VEGETATION, DEBRIS, AND OTHER MATERIAL IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- COLD PLANE

- DEMOLITION NOTES**
- ① PROTECT IN PLACE
 - ② ADJUST TO GRADE
 - ③ REMOVE, SALVAGE, AND RELOCATE PER IMPROVEMENT AND SIGNING AND MARKING PLANS
 - ⑦ RELOCATE BY IID PRIOR TO CONSTRUCTION



DIGALERT

DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

Nicholas J. Oleskiewicz

NICHOLAS J. OLESKIEWICZ

89464 R.C.E. No.

7/25/23 DATE

12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT

APPROVED FOR CONSTRUCTION BY:

John A. Gay

JOHN A. GAY, P.E.

DIRECTOR OF PUBLIC WORKS

7/26/23 DATE

62028 R.C.E. No.

09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT

COUNTY OF IMPERIAL

EL CENTRO, CALIFORNIA

DATE: 7/25/2023

DRAWN: [Signature]

SCALE: AS SHOWN

CHECKED: [Signature]

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET

ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY

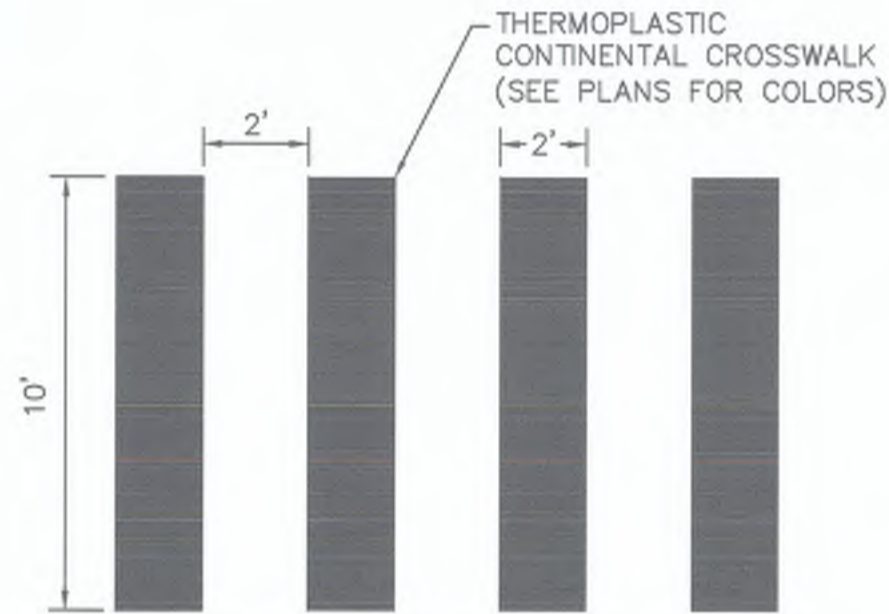
COUNTY PROJECT No. 6516

DEMOLITION PLANS

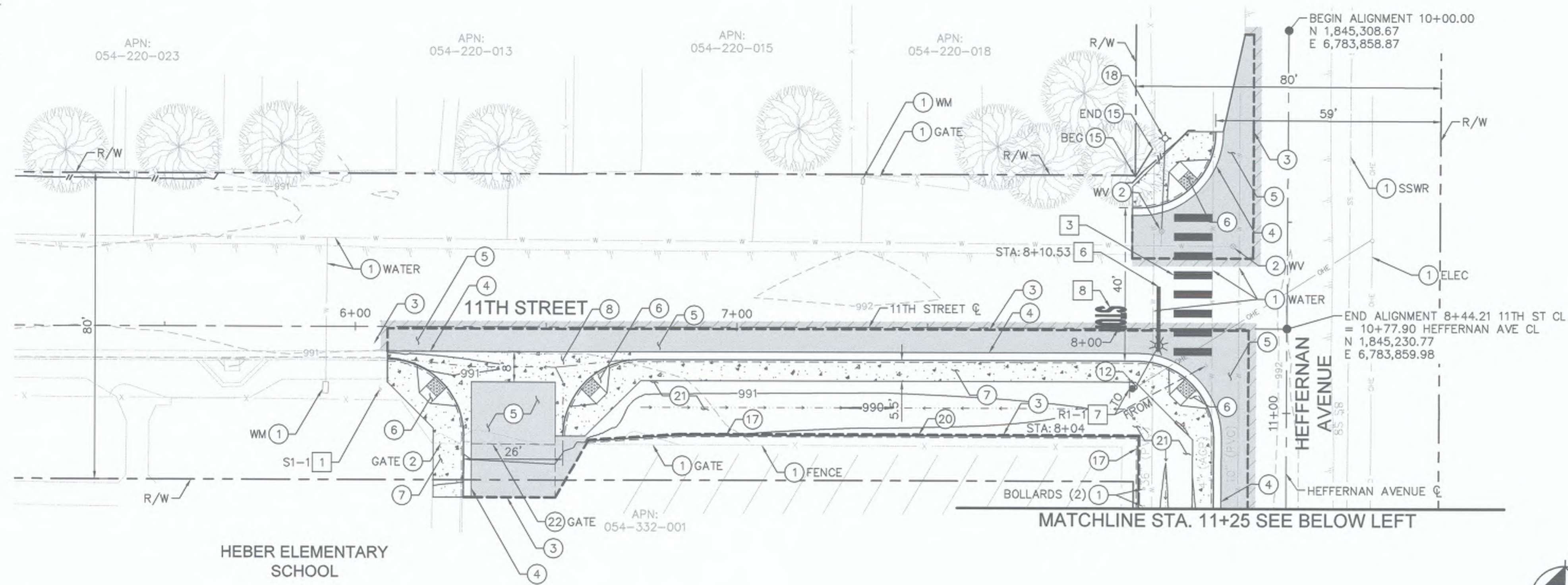
REFERENCE	R-983
6516	SHEET 06 OF 19

SIGNING AND MARKING NOTES

- 1 PROTECT IN PLACE EXISTING SIGN.
- 3 INSTALL YELLOW CONTINENTAL CROSSWALK PER CALTRANS STANDARD PLAN A24F AND PER DETAIL A ON THIS SHEET.
- 6 INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE PER CALTRANS STANDARD PLAN A24E. INSTALL LIMIT LINE 4' MINIMUM BEHIND CROSSWALK.
- 7 RELOCATE EXISTING SIGN TO NEW BREAKAWAY POST PER CALTRANS STANDARD PLAN ES-7A.
- 8 FURNISH AND INSTALL "STOP" THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D 4' FROM LIMIT LINE.



A CONTINENTAL CROSSWALK DETAIL
NOT TO SCALE

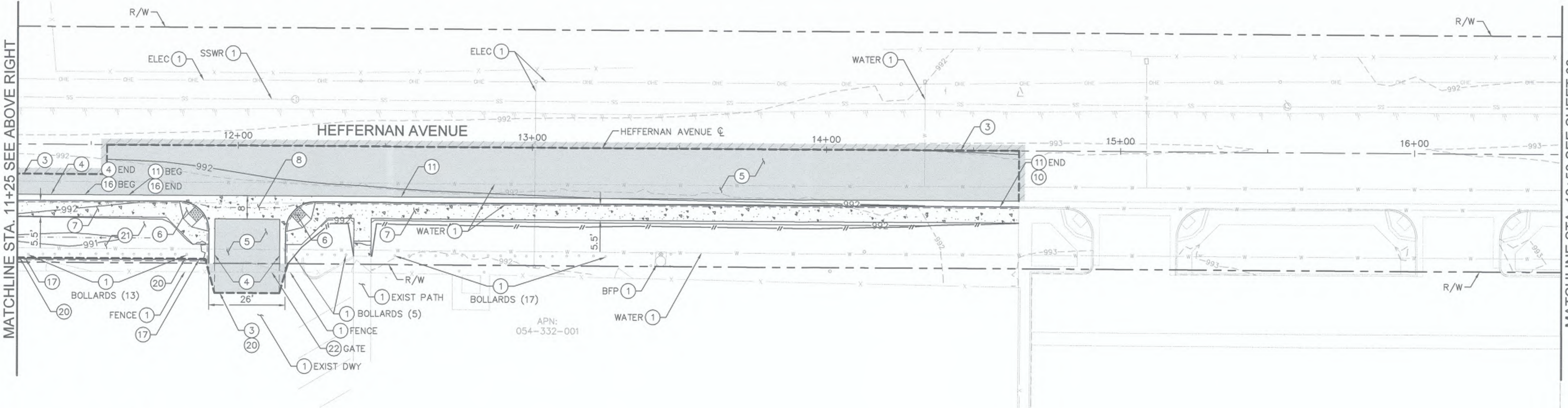


LEGEND

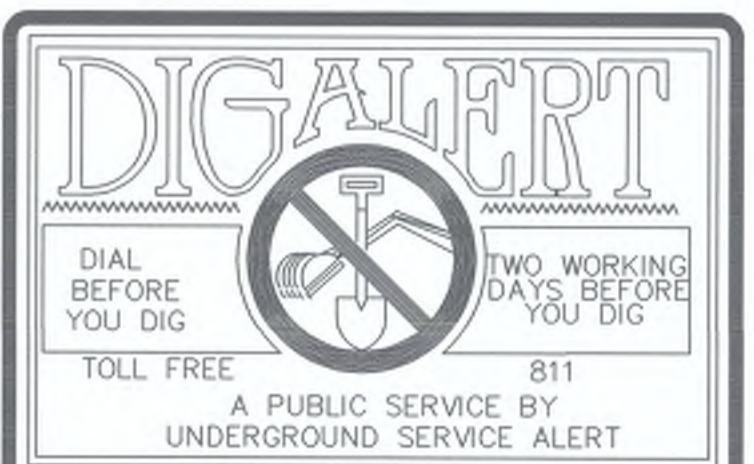
- NEW SIGN LOCATION (SINGLE POST)
- DAYLIGHT LINE
- SAWCUT
- DRAINAGE FLOW LINE
- GRADE BREAK
- INSTALL PAVEMENT SECTION - PER GEOTECHNICAL RECOMMENDATIONS
- CONCRETE SDWK, DRIVEWAY, C&G, GUTTER, CURB RAMP, RIBBON GUTTER, CROSS GUTTER
- COLD PLANE

CONSTRUCTION NOTES

- 1 PROTECT IN PLACE.
- 2 ADJUST TO GRADE.
- 3 SAWCUT PER DETAIL B ON SHEET 02.
- 4 CONSTRUCT 6" CURB AND GUTTER PER IMPERIAL COUNTY STANDARD DWG NO. 400.
- 5 4" AC OVER 12" CLASS II BASE PER GEOTECHNICAL RECOMMENDATIONS.
- 6 CONSTRUCT CASE-A CURB RAMP PER IMPERIAL COUNTY STANDARD DWG NO. 414.
- 7 CONSTRUCT 4" THICK CONCRETE SIDEWALK PER IMPERIAL COUNTY STANDARD DWG NO. 420.
- 8 CONSTRUCT CROSS GUTTER PER IMPERIAL COUNTY STANDARD DWG NO. 415, AND MODIFIED PER HORIZONTAL AND VERTICAL CONTROL PLANS.
- 10 CONSTRUCT CURB OR CURB AND GUTTER TRANSITION. SEE DETAIL C ON SHEET 02.
- 11 CONSTRUCT 6" CURB AND GUTTER PER IMPERIAL COUNTY STANDARD DWG NO. 400, WITH MODIFIED SLOPE PER DETAIL A ON SHEET 02.
- 12 RELOCATED STREET LIGHT AND OVERHEAD ELECTRICAL LINE. TO BE COMPLETED BY IID ELECTRICAL PRIOR TO CONSTRUCTION. APPROXIMATE LOCATION.
- 15 CONTRACTOR TO REMOVE SECTION OF WROUGHT IRON FENCE IN CONFLICT WITH IMPROVEMENTS AND REPLACE IN-KIND SECTION AS SHOWN IN THE PLANS. CONTRACTOR TO ENSURE WROUGHT IRON FENCE WELDED EDGES ARE SMOOTH AND PICKET SPACING AND PAINT FINISH AS NECESSARY FOR A COMPLETE INSTALLATION. LANDSCAPING INCLUDING BRICK EDGER TO BE ADJUSTED WITH NEW FENCE ALIGNMENT.
- 16 TRANSITION CURB AND GUTTER FROM COUNTY OF IMPERIAL STANDARD DWG NO. 400 TO CURB AND GUTTER WITH MODIFIED SLOPE PER DETAIL A ON SHEET 02. SEE HORIZONTAL AND VERTICAL CONTROL PLANS FOR MORE INFORMATION.
- 17 CONSTRUCT 6" TYPE A AC DIKE PER CALTRANS STANDARD PLAN A87B.
- 18 RELOCATED FIRE HYDRANT AND WATER LATERAL. TO BE COMPLETED BY HPUD PRIOR TO CONSTRUCTION.
- 20 SAWCUT LIMITS/NEATLINE TO EXISTING CONCRETE OR AC PAVEMENT.
- 21 GRADE AND COMPACT NATIVE MATERIAL.
- 22 MODIFY ROLLING GATE HEIGHT/TOP RAIL AND ADJUST GUIDE WHEELS TO ACCOMMODATE NEW FINISHED SURFACE ELEVATIONS.



SIGN LEGEND



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 NICHOLAS J. OLESKOWICZ
 7/25/23 DATE
 12/31/24 REG. EXP.



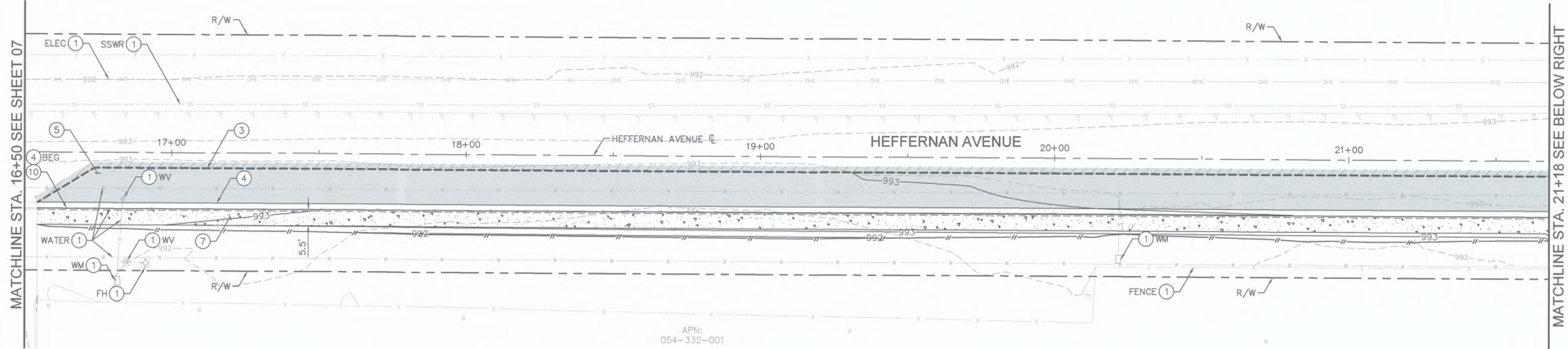
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/26/23 DATE
 09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 7/25/2023
 DRAWN: AS SHOWN
 CHECKED:

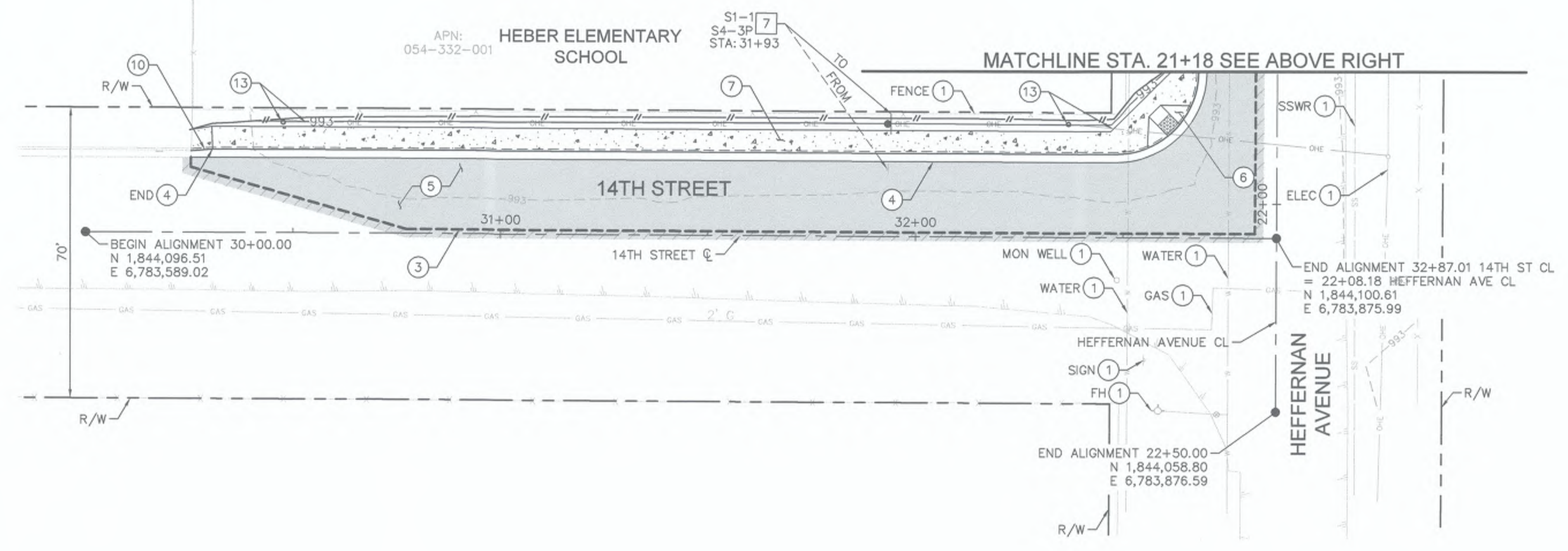
SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

IMPROVEMENT PLANS	
REFERENCE	R-983
6516	SHEET 07 OF 19



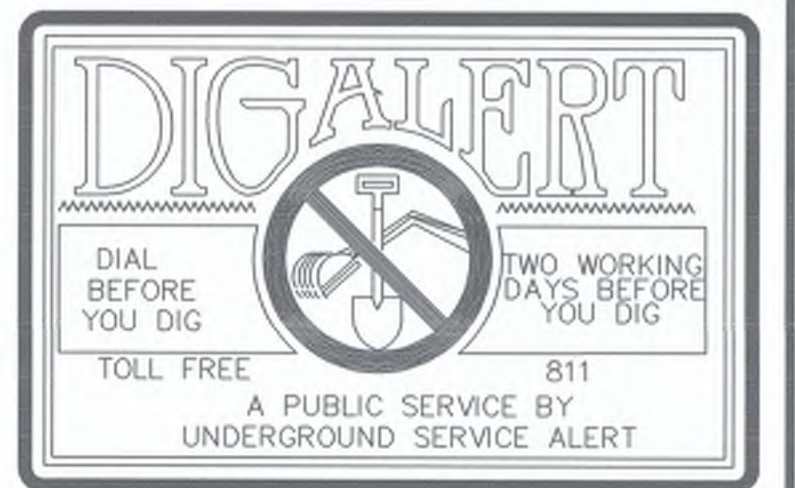
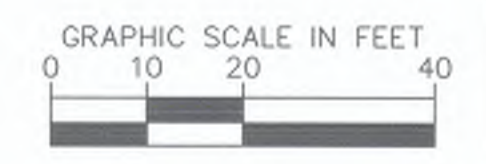
- LEGEND**
- NEW SIGN LOCATION (SINGLE POST)
 - DAYLIGHT LINE
 - - - SAWCUT
 - - - DRAINAGE FLOW LINE
 - - - GRADE BREAK
 - INSTALL PAVEMENT SECTION -- PER GEOTECHNICAL RECOMMENDATIONS
 - CONCRETE SDWK, DRIVEWAY, C&G, GUTTER, CURB RAMP, RIBBON GUTTER, CROSS GUTTER
 - COLD PLANE

- CONSTRUCTION NOTES**
- 1 PROTECT IN PLACE.
 - 3 SAWCUT PER DETAIL B ON SHEET 02.
 - 4 CONSTRUCT 6" CURB AND GUTTER PER IMPERIAL COUNTY STANDARD DWG NO. 400.
 - 5 4" AC OVER 12" CLASS II BASE PER GEOTECHNICAL RECOMMENDATIONS.
 - 6 CONSTRUCT CASE-A CURB RAMP PER IMPERIAL COUNTY STANDARD DWG NO. 414.
 - 7 CONSTRUCT 4" THICK CONCRETE SIDEWALK PER IMPERIAL COUNTY STANDARD DWG NO. 420.
 - 10 CONSTRUCT CURB OR CURB AND GUTTER TRANSITION. SEE DETAIL C ON SHEET 02.
 - 13 RELOCATED POWER POLE AND OVERHEAD ELECTRICAL LINE. TO BE COMPLETED BY IID ELECTRICAL PRIOR TO CONSTRUCTION.



- SIGNING AND MARKING NOTES**
- 7 RELOCATE EXISTING SIGN TO NEW BREAKAWAY POST PER CALTRANS STANDARD PLAN ES-7A.

SIGN LEGEND



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 NICHOLAS J. OLESKOWICZ
 R.C.E. No. 89464
 DATE 7/25/23 REG. EXP. 12/31/24

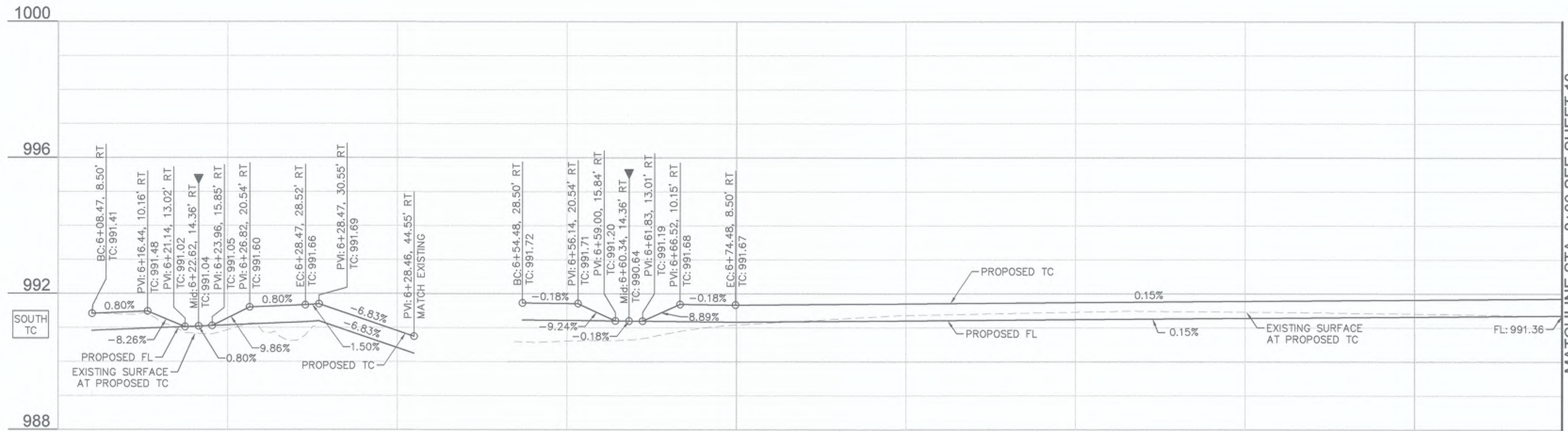


COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE 7/26/23 REG. EXP. 09/30/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE 7/25/2023
 DRAWN AS SHOWN
 CHECKED
 SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

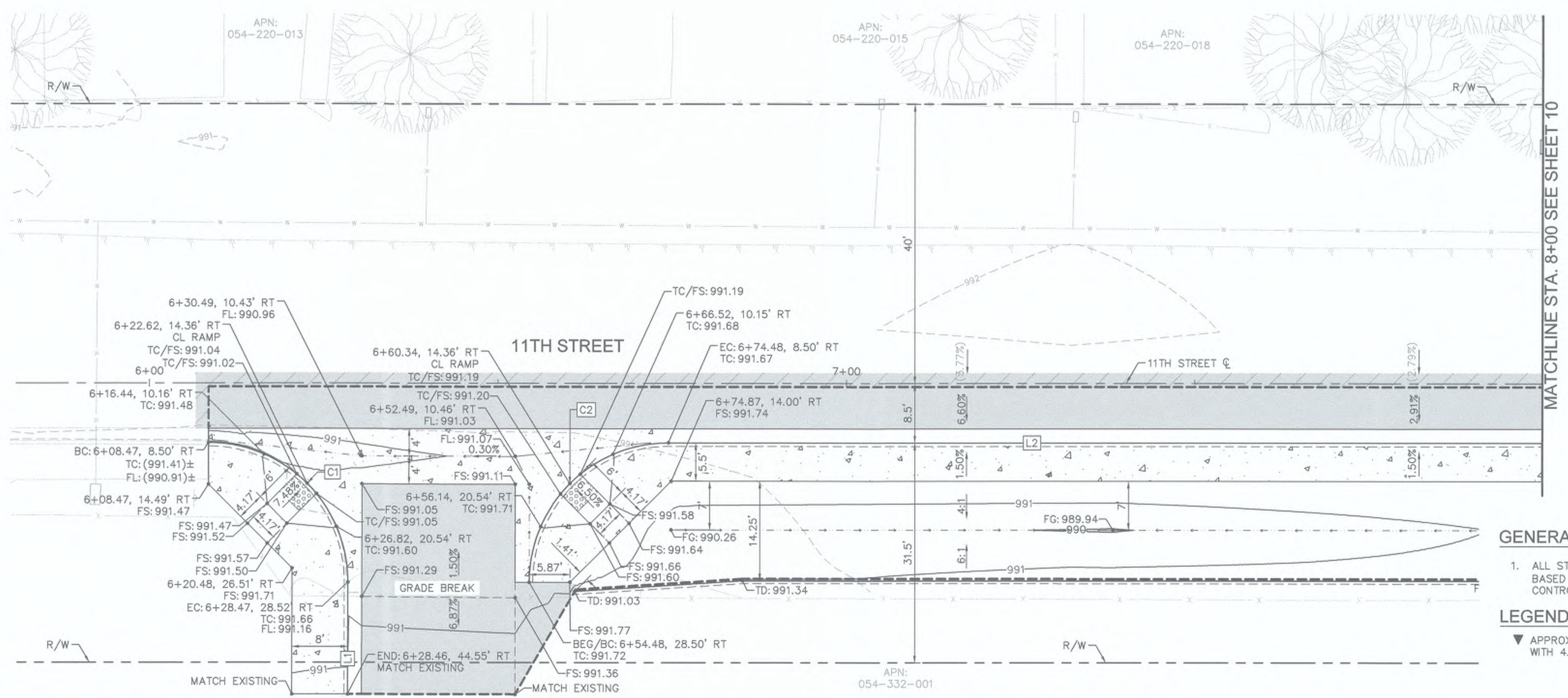
IMPROVEMENT PLANS	
REFERENCE	R-983
6516	SHEET 08 OF 19



MATCHLINE STA. 8+00 SEE SHEET 10

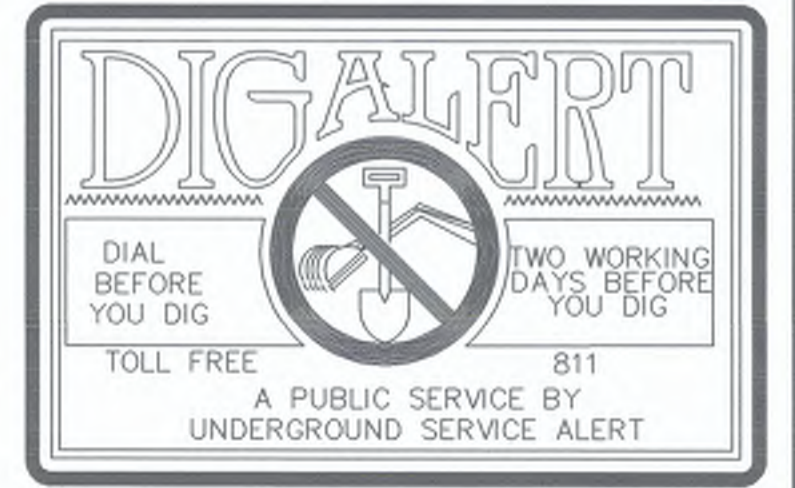
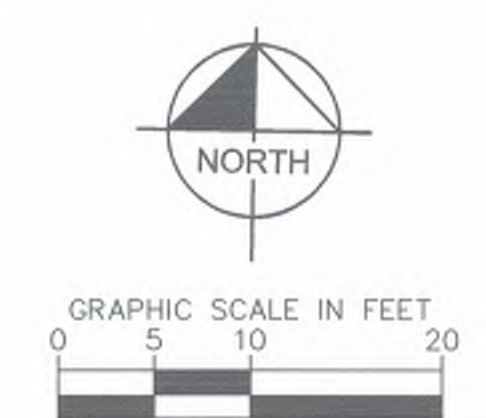
CURB DATA				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
C1	$\Delta=90^{\circ} 03' 01''$	20.0'	31.43'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
C2	$\Delta=90^{\circ} 00' 15''$	20.0'	31.41'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L1	S $0^{\circ} 59' 41''$ E		16.03'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400*
L2	N $88^{\circ} 58' 01''$ E		125.42'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400

*CURB HEIGHT TO VARY TO MATCH EXISTING SIDEWALK ELEVATION.



GENERAL NOTES
1. ALL STATIONS AND OFFSETS SHOWN ON PLANS ARE BASED ON 11TH STREET C. SEE IMPROVEMENT PLANS FOR CONTROL DATA.

LEGEND
▼ APPROXIMATE LOCATION OF PEDESTRIAN RAMP CENTERLINE WITH 4.5% MAXIMUM GUTTER SLOPE



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 NICHOLAS J. OLESKIEWICZ
 7/25/23 DATE
 12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

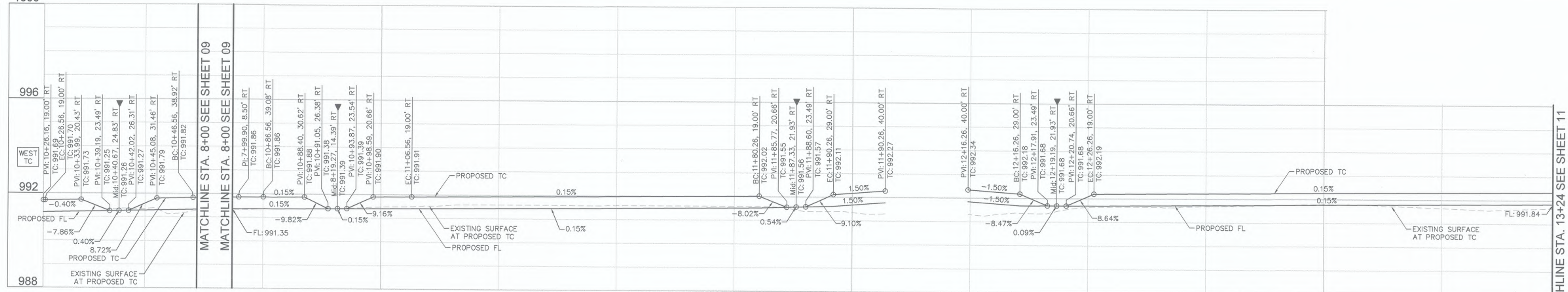
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/26/23 DATE
 09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 7/25/2023
 DRAWN: AS SHOWN
 CHECKED:

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

HORIZONTAL AND VERTICAL CONTROL PLANS
 REFERENCE: 6516
 SHEET 09 OF 19



MATCHLINE STA. 13+24 SEE SHEET 11

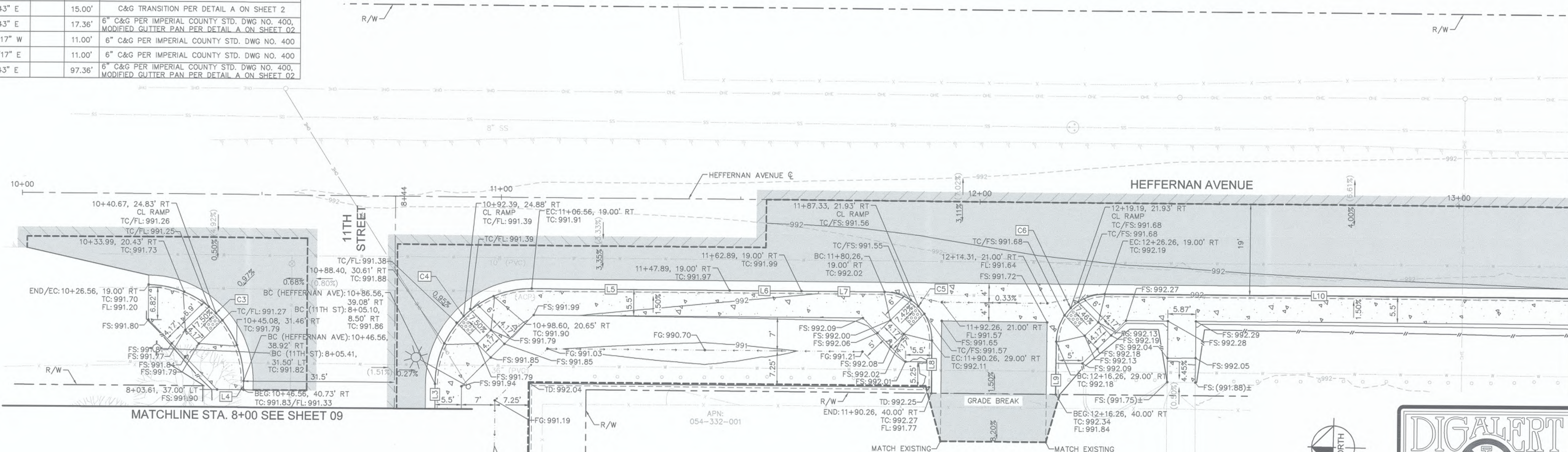
CURB DATA				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
C3	Δ=89° 46' 44"	20.0'	31.34'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
C4	Δ=90° 13' 16"	20.0'	31.49'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
C5	Δ=90° 00' 00"	10.0'	15.71'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
C6	Δ=90° 00' 00"	10.0'	15.71'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L3	N 88°58'01" E		5.20'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L4	N 88°58'01" E		1.80'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L5	S 0°48'43" E		41.33'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L6	S 0°48'43" E		15.00'	C&G TRANSITION PER DETAIL A ON SHEET 2
L7	S 0°48'43" E		17.36'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400, MODIFIED GUTTER PAN PER DETAIL A ON SHEET 02
L8	S 89°11'17" W		11.00'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L9	N 89°11'17" E		11.00'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L10	S 0°48'43" E		97.36'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400, MODIFIED GUTTER PAN PER DETAIL A ON SHEET 02

GENERAL NOTES

- ALL STATIONS AND OFFSETS SHOWN ON PLANS ARE BASED ON HEFFERNAN AVENUE C UNLESS OTHERWISE NOTED. SEE IMPROVEMENT PLANS FOR CONTROL DATA.

LEGEND

- ▼ APPROXIMATE LOCATION OF PEDESTRIAN RAMP CENTERLINE WITH 4.5% MAXIMUM GUTTER SLOPE



MATCHLINE STA. 13+24 SEE SHEET 11

MATCHLINE STA. 8+00 SEE SHEET 09



DIGALERT

DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 NICHOLAS J. OLESKOWICZ
 89464 R.C.E. No.
 7/25/23 DATE 12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/25/23 DATE 09/30/23 REG. EXP.

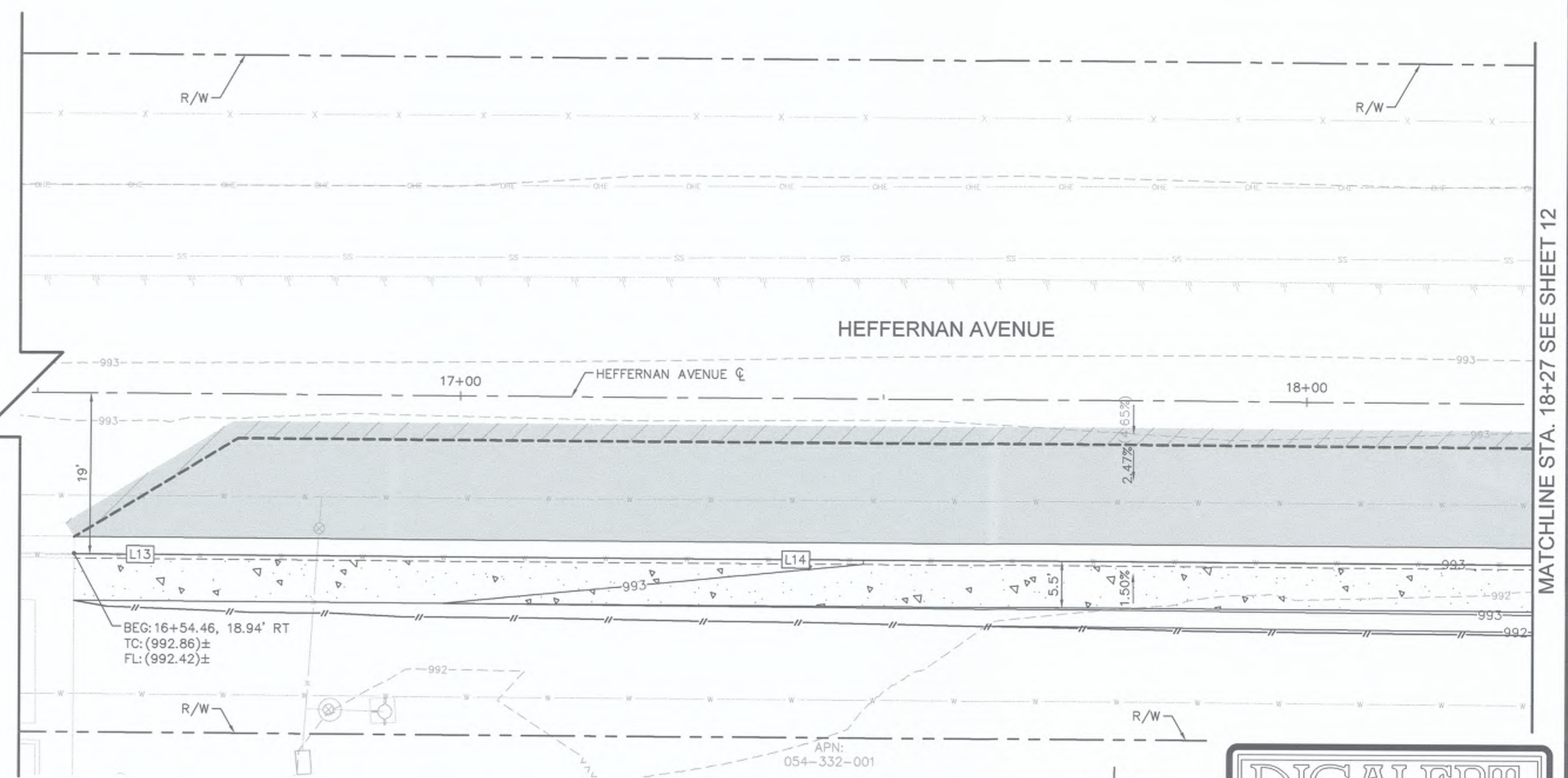
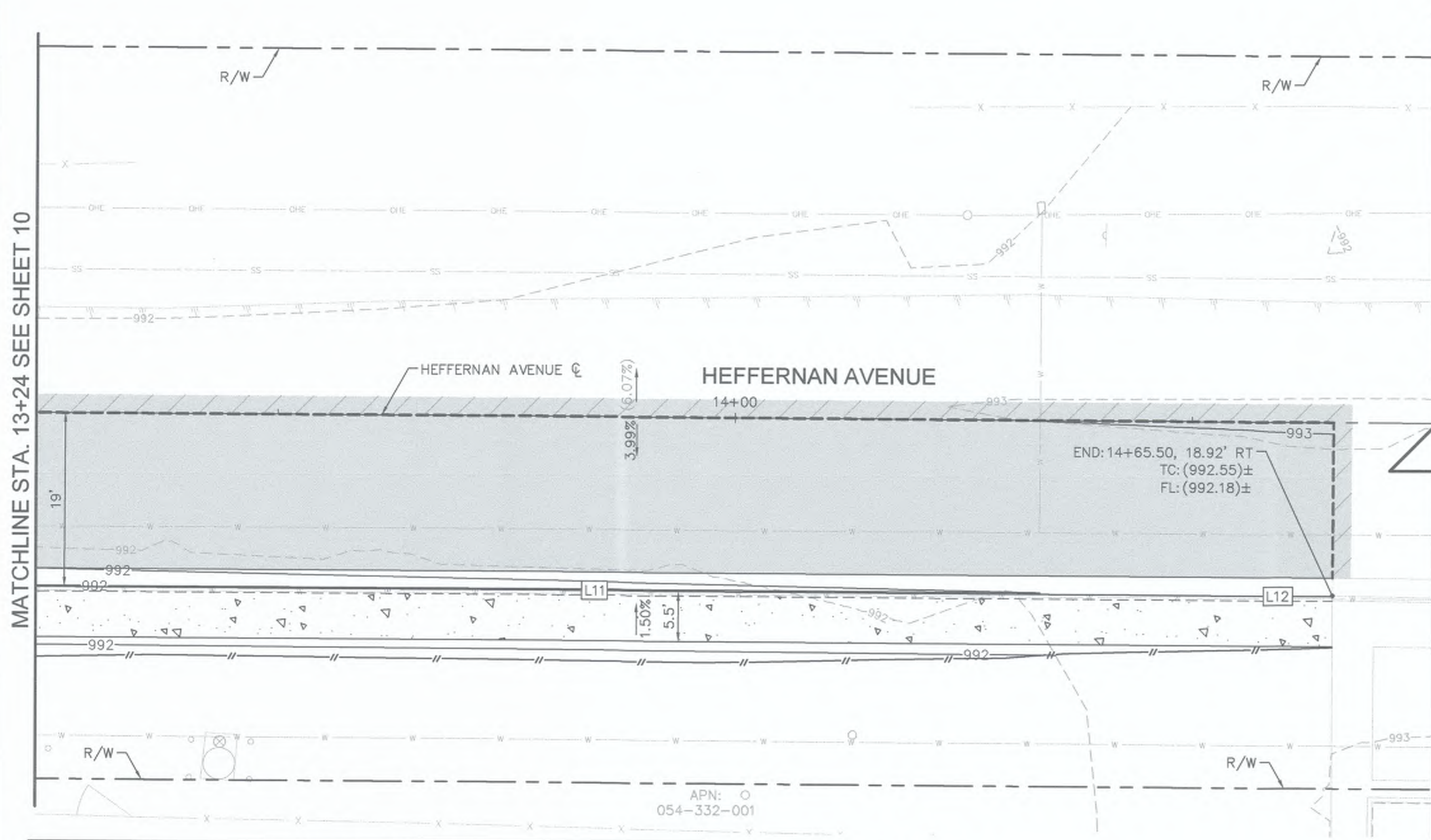
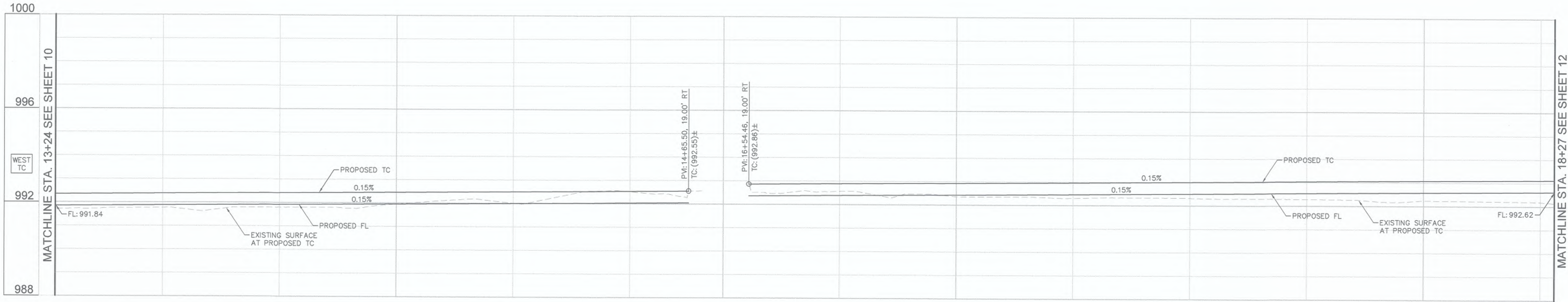
PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE 7/25/2023
 DRAWN
 SCALE AS SHOWN
 CHECKED

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

HORIZONTAL AND VERTICAL CONTROL PLANS

REFERENCE	R-983
6516	SHEET 10 OF 19



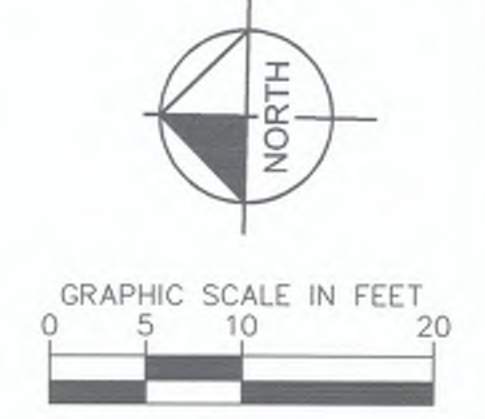
CURB DATA				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L11	S 0°48'43" E		131.88'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400, MODIFIED GUTTER PAN PER DETAIL A ON SHEET 02
L12	S 0°48'43" E		10.00'	C&G TRANSITION PER DETAIL C ON SHEET 02
L13	S 0°48'43" E		10.00'	C&G TRANSITION PER DETAIL C ON SHEET 02
L14	S 0°48'43" E		162.41'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400

GENERAL NOTES

- ALL STATIONS AND OFFSETS SHOWN ON PLANS ARE BASED ON HEFFERNAN AVENUE C. SEE IMPROVEMENT PLANS FOR CONTROL DATA.

LEGEND

- ▼ APPROXIMATE LOCATION OF PEDESTRIAN RAMP CENTERLINE WITH 4.5% MAXIMUM GUTTER SLOPE



DIGALERT

DIAL BEFORE YOU DIG TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS

PREPARED UNDER THE DIRECT SUPERVISION OF:
NICHOLAS J. OLESKOWICZ
R.C.E. No. 89464
DATE: 7/25/23
REG. EXP. 12/31/24

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
DATE: 7/26/23
REG. EXP. 09/30/23

COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 7/25/2023
DRAWN: AS SHOWN
CHECKED: AS SHOWN

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE
FROM 11TH STREET TO 14TH STREET

ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
COUNTY PROJECT No. 6516

HORIZONTAL AND VERTICAL CONTROL PLANS

REFERENCE 6516	R-983
SHEET 11	OF 19

1000

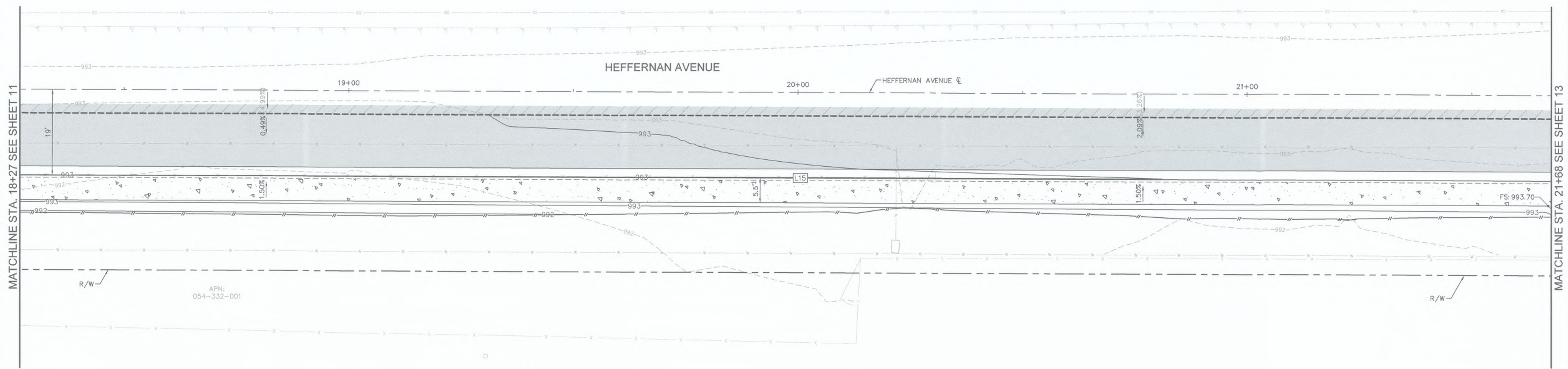
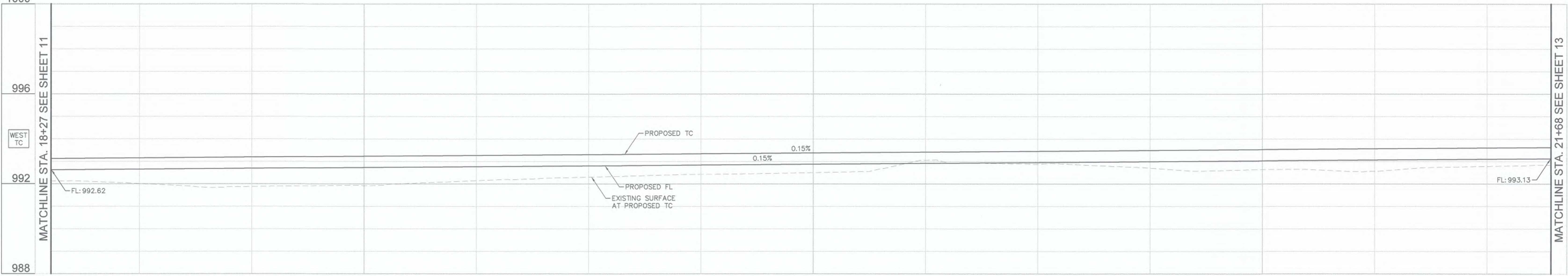
996

992

988

MATCHLINE STA. 18+27 SEE SHEET 11

MATCHLINE STA. 21+68 SEE SHEET 13



MATCHLINE STA. 18+27 SEE SHEET 11

MATCHLINE STA. 21+68 SEE SHEET 13

CURB DATA

NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L15	S 0°48'43" E		341.32'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400

GENERAL NOTES

1. ALL STATIONS AND OFFSETS SHOWN ON PLANS ARE BASED ON HEFFERNAN AVENUE C. SEE IMPROVEMENT PLANS FOR CONTROL DATA.

LEGEND

▼ APPROXIMATE LOCATION OF PEDESTRIAN RAMP CENTERLINE WITH 4.5% MAXIMUM GUTTER SLOPE



DIGALERT

DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

Nicholas J. Oleskovicz

NICHOLAS J. OLESKOWICZ

89464 R.C.E. No.

7/25/23 DATE

12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT

APPROVED FOR CONSTRUCTION BY:

John A. Gay

JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS

62028 R.C.E. No.

7/26/23 DATE

09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT

COUNTY OF IMPERIAL

EL CENTRO, CALIFORNIA

DATE 7/25/2023

DRAWN

SCALE AS SHOWN

CHECKED

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET

ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY

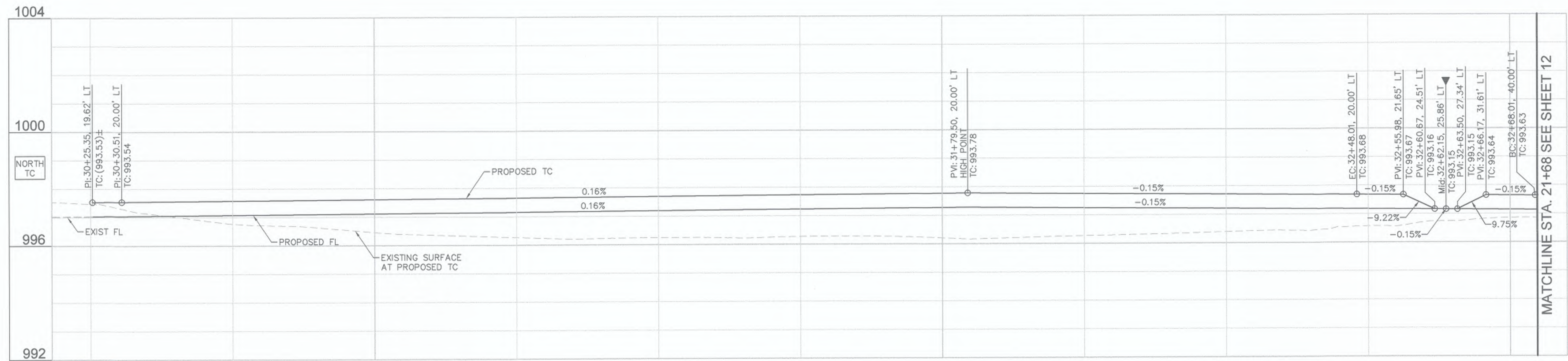
COUNTY PROJECT No. 6516

HORIZONTAL AND VERTICAL CONTROL PLANS

REFERENCE 6516

R-983

SHEET 12 OF 19



CURB DATA				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
C7	Δ=89° 59' 36"	20.0'	31.41'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L16	S 89°10'53" W		217.50'	6" C&G PER IMPERIAL COUNTY STD. DWG NO. 400
L17	S 84°58'15" W		5.17'	C&G TRANSITION PER DETAIL C ON SHEET 02

GENERAL NOTES

- ALL STATIONS AND OFFSETS SHOWN ON PLANS ARE BASED ON 14TH STREET C& UNLESS OTHERWISE NOTED. SEE IMPROVEMENT PLANS FOR CONTROL DATA.

LEGEND

- ▼ APPROXIMATE LOCATION OF PEDESTRIAN RAMP CENTERLINE WITH 4.5% MAXIMUM GUTTER SLOPE



DIGALERT

DIAL BEFORE YOU DIG

TOLL FREE 811

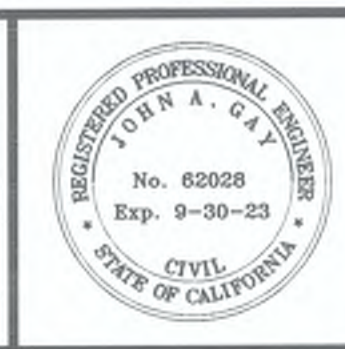
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

Nicholas J. Oleskiewicz
 NICHOLAS J. OLESKOWICZ
 7/25/23 DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

John A. Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/26/23 DATE

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 7/25/2023
 DRAWN: [Blank]
 SCALE: AS SHOWN
 CHECKED: [Blank]

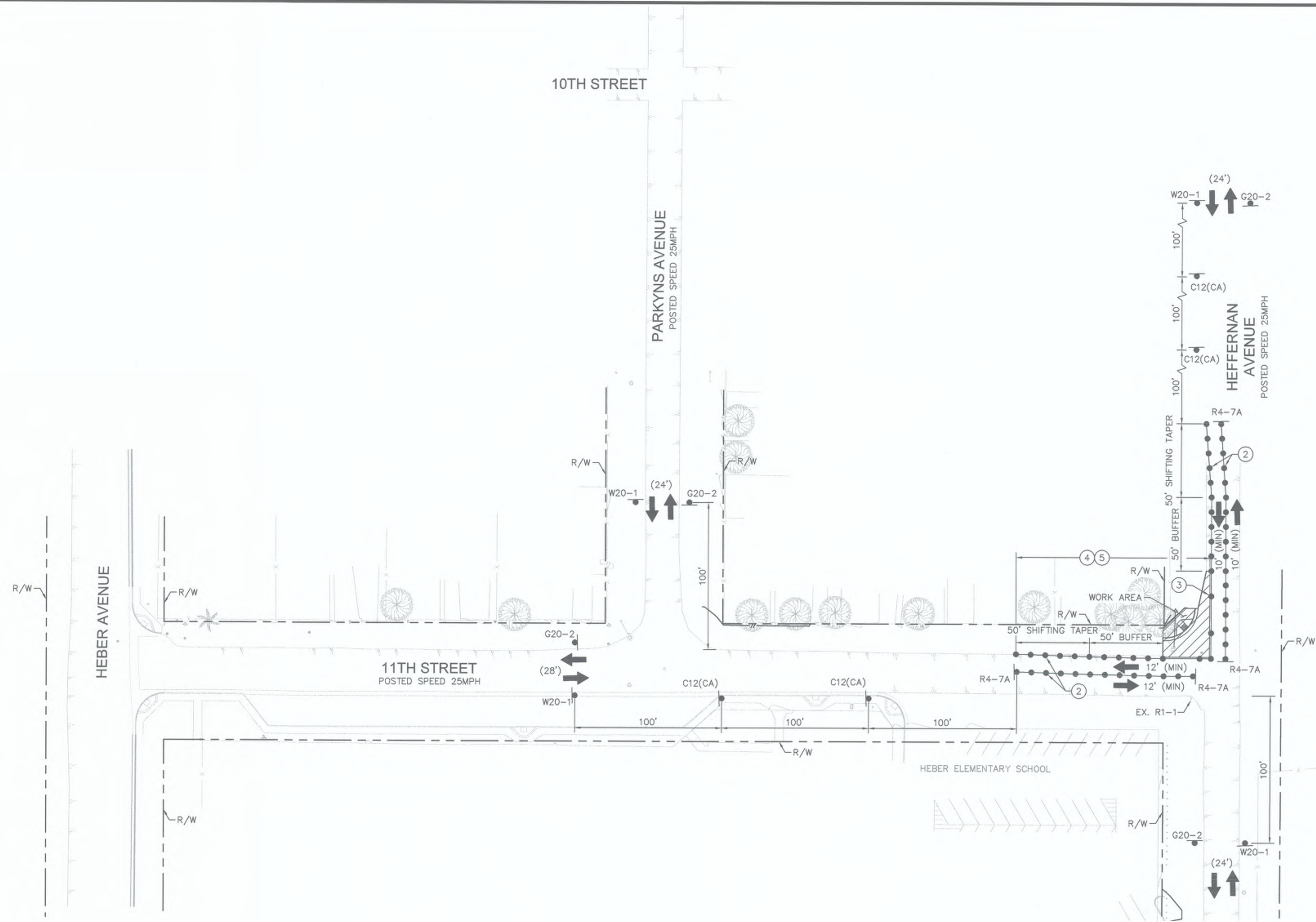
SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE
 FROM 11TH STREET TO 14TH STREET

**ATPSB1L-5958(117) -- 11TH STREET AND
 HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516**

**HORIZONTAL AND VERTICAL
 CONTROL PLANS**

REFERENCE: **R-983**

6516 SHEET 13 OF 19



- LEGEND**
- WORK AREA
 - TEMPORARY CONSTRUCTION SIGN
 - PORTABLE CONES
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE WITH CONSTRUCTION SIGN
 - EXISTING LANE WIDTH
 - MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

- TRAFFIC CONTROL NOTES**
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
 - ③ CONES SHALL BE PLACED IN 50' INTERVALS.
 - ④ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
 - ⑤ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.

SIGN LEGEND



WORK TO BE DONE

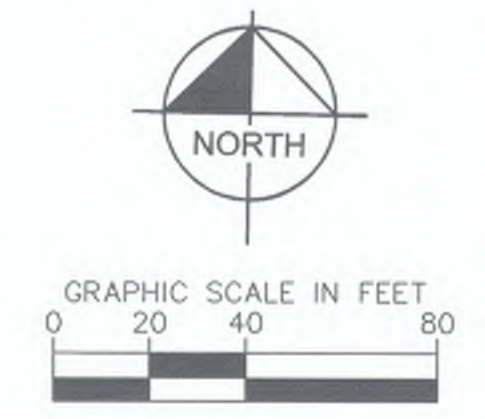
1. CONSTRUCT SIDEWALK, CROSS GUTTERS, CURB RAMPS, AND DRIVEWAYS ALONG NORTH SIDE OF 11TH STREET.

HOURS OF WORK

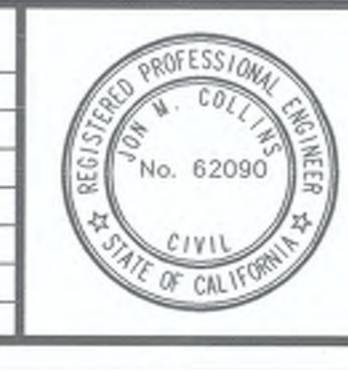
8:30 AM TO 3:30 PM

STAGE 1

SHOULDER CLOSURE FOR WORK ON NORTH SIDE OF 11TH STREET.
SHOULDER CLOSURE FOR WORK ON WEST SIDE OF HEFFERNAN AVENUE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 JOHN M. COLLINS
 DATE: 7/25/23
 REG. EXP. 09/30/23



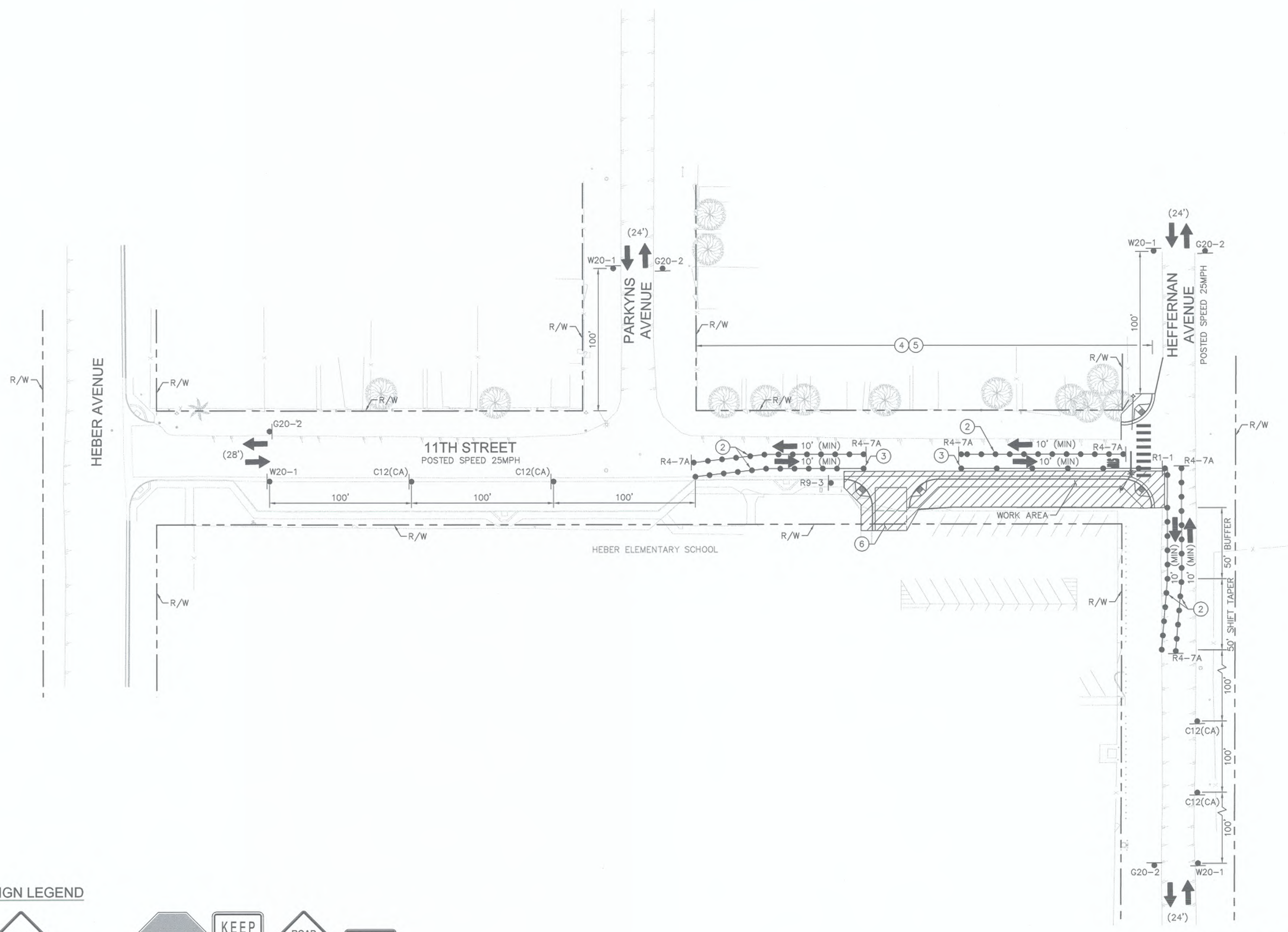
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 7/26/23
 REG. EXP. 09/30/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 7/25/2023
 DRAWN: AS SHOWN
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 SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

TRAFFIC CONTROL PLANS	
STAGE 1	
REFERENCE	R-983
6516	SHEET 14 OF 19



- LEGEND**
- WORK AREA
 - TEMPORARY CONSTRUCTION SIGN
 - PORTABLE CONES
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE WITH CONSTRUCTION SIGN
 - EXISTING LANE WIDTH
 - MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

- TRAFFIC CONTROL NOTES**
- 2 CONES SHALL BE PLACED IN 25' INTERVALS.
 - 3 CONES SHALL BE PLACED IN 50' INTERVALS.
 - 4 TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
 - 5 CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.
 - 6 CONTRACTOR TO COORDINATE WITH SCHOOL PROPERTY TO MAINTAIN ACCESS AT ALL TIMES DURING CONSTRUCTION.

SIGN LEGEND



WORK TO BE DONE

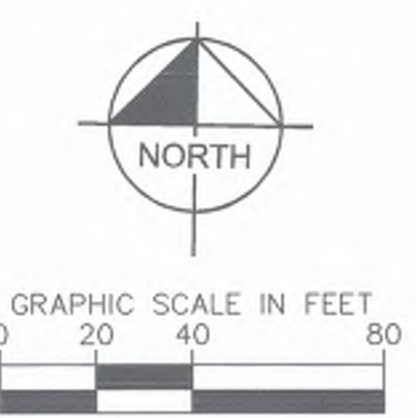
1. CONSTRUCT SIDEWALK, CROSS GUTTERS, AND CURB RAMPS ALONG SOUTH SIDE OF 11TH STREET.

HOURS OF WORK

8:30 AM TO 3:30 PM

STAGE 2

SHOULDER CLOSURE FOR WORK ON SOUTH SIDE OF 11TH STREET.
SHOULDER CLOSURE FOR WORK ON WEST SIDE OF HEFFERNAN AVENUE.

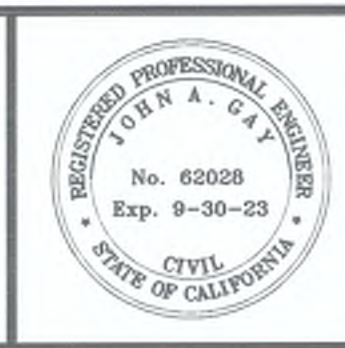


REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 JON M. GOLLINS
 7/25/23 DATE
 09/30/23 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/26/23 DATE
 09/30/23 REG. EXP.

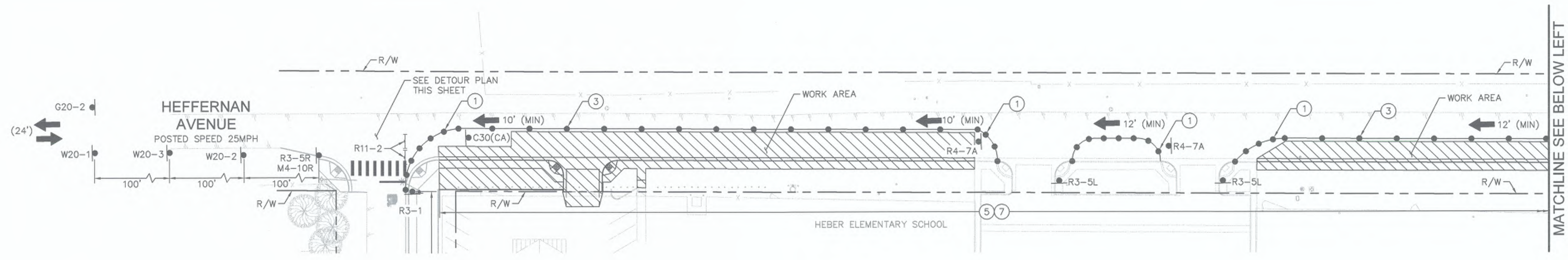


DATE: 7/25/2023
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SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

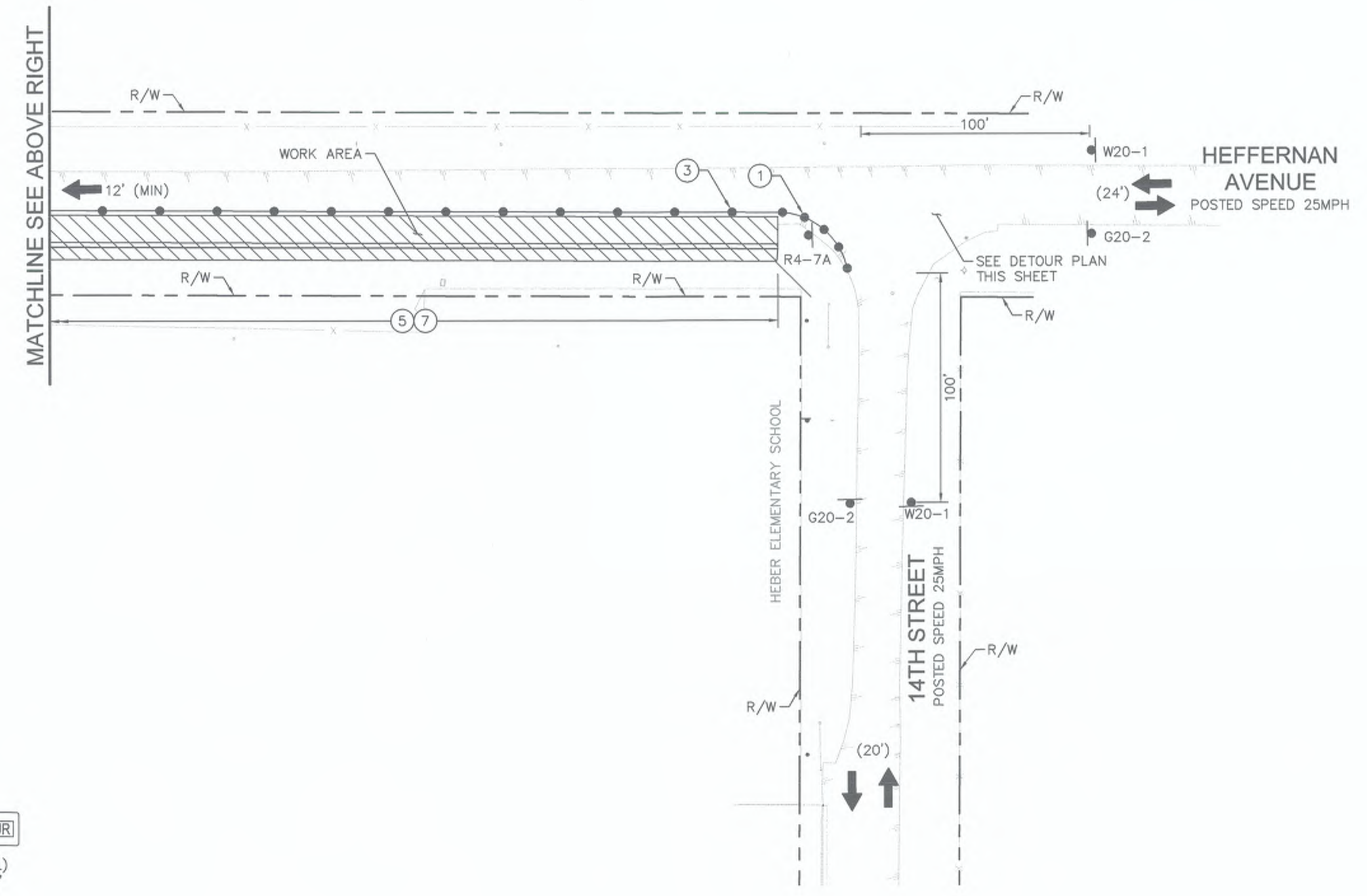
TRAFFIC CONTROL PLANS STAGE 2

REFERENCE	R-983
6516	SHEET 15 OF 19

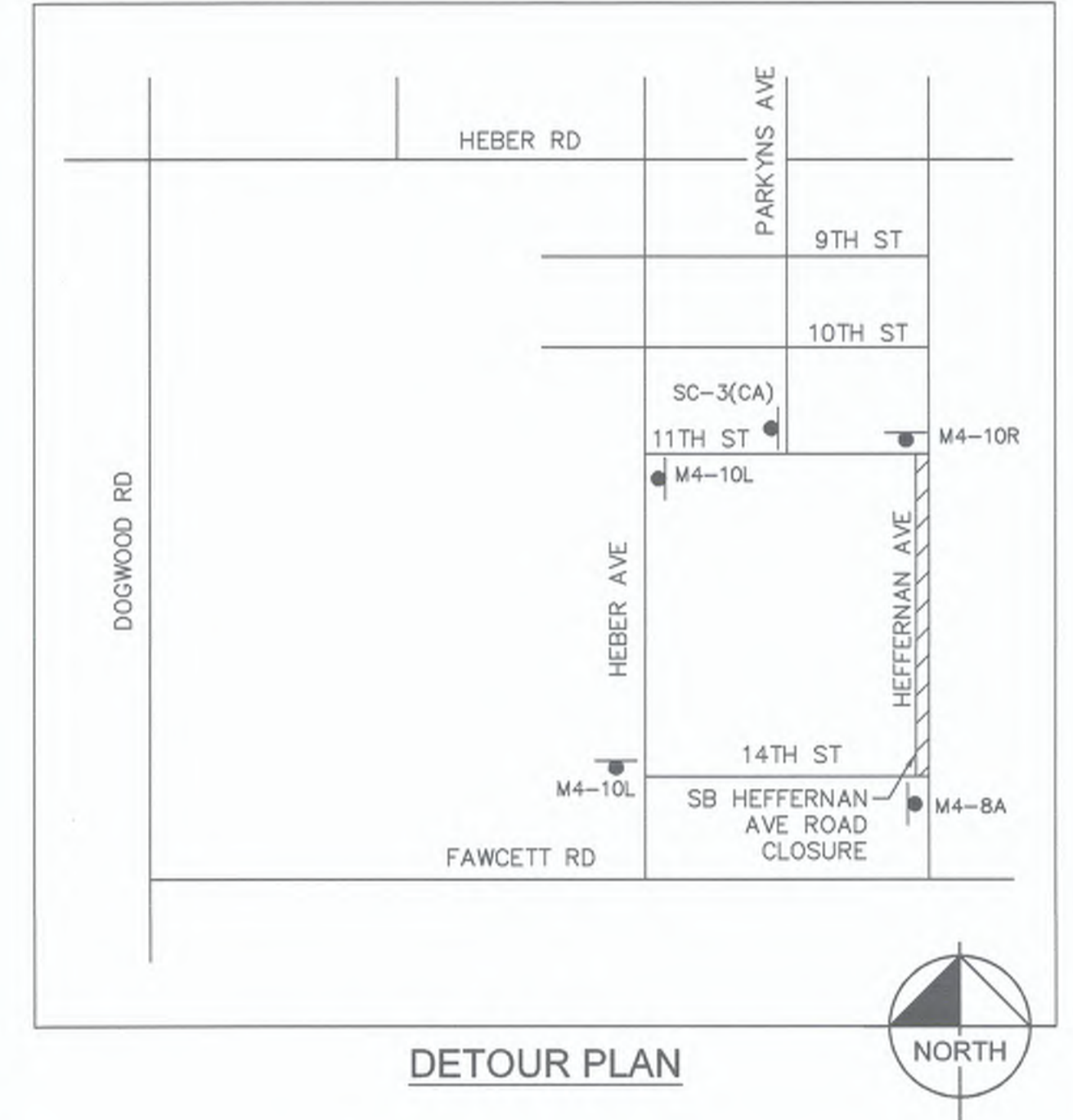


- LEGEND**
- WORK AREA
 - TEMPORARY CONSTRUCTION SIGN
 - PORTABLE CONES
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE WITH CONSTRUCTION SIGN
 - EXISTING LANE WIDTH
 - MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

- TRAFFIC CONTROL NOTES**
- ① CONES SHALL BE PLACED IN 12' INTERVALS.
 - ③ CONES SHALL BE PLACED IN 50' INTERVALS.
 - ⑤ CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.
 - ⑦ CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESS DRIVEWAYS AT ALL TIMES.



- SIGN LEGEND**
- LANE CLOSED
C30(CA) 30"x30"
 - END ROAD WORK
G20-2 36"x18"
 - END DETOUR
M4-8A 24"x18"
 - DETOUR
M4-10(R) 48"x18"
 - DETOUR
M4-10(L) 48"x18"
 - R3-1 24"x24"
 - ONLY
R3-5(L) 24"x30"
 - ONLY
R3-5(R) 24"x30"
 - KEEP RIGHT
R4-7A 24"x30"
 - ROAD CLOSED
R11-2 48"x30"
 - ROAD WORK AHEAD
SC-3(CA) 48"x18"
 - DETOUR AHEAD
W20-1 36"x36"
 - DETOUR AHEAD
W20-2 36"x36"
 - ROAD CLOSED AHEAD
W20-3 36"x36"



WORK TO BE DONE

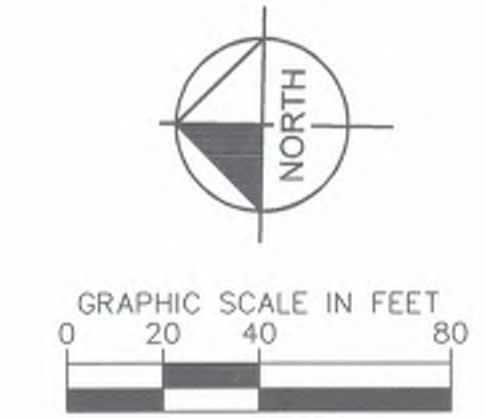
1. CONSTRUCT SIDEWALK, CROSS GUTTERS, AND CURB RAMPS, ALONG WEST SIDE OF HEFFERNAN AVENUE.

HOURS OF WORK

8:30 AM TO 3:30 PM

STAGE 3

LANE CLOSURE FOR WORK ON WEST SIDE OF HEFFERNAN AVENUE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 JOM M. GOLLINS
 7/25/23 DATE
 09/30/23 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/25/23 DATE
 09/30/23 REG. EXP.

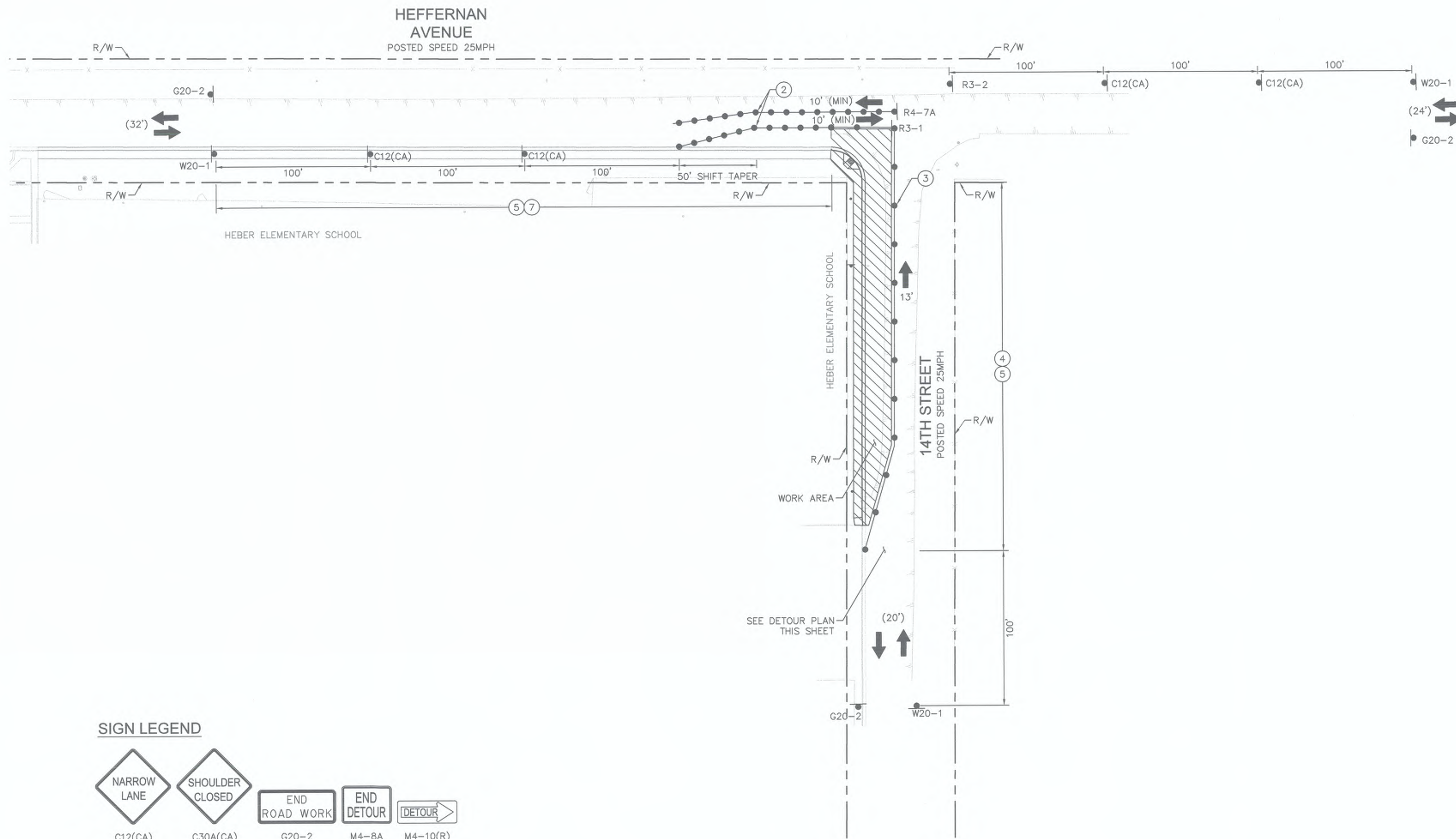


DATE: 7/25/2023
 DRAWN: AS SHOWN
 CHECKED:

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

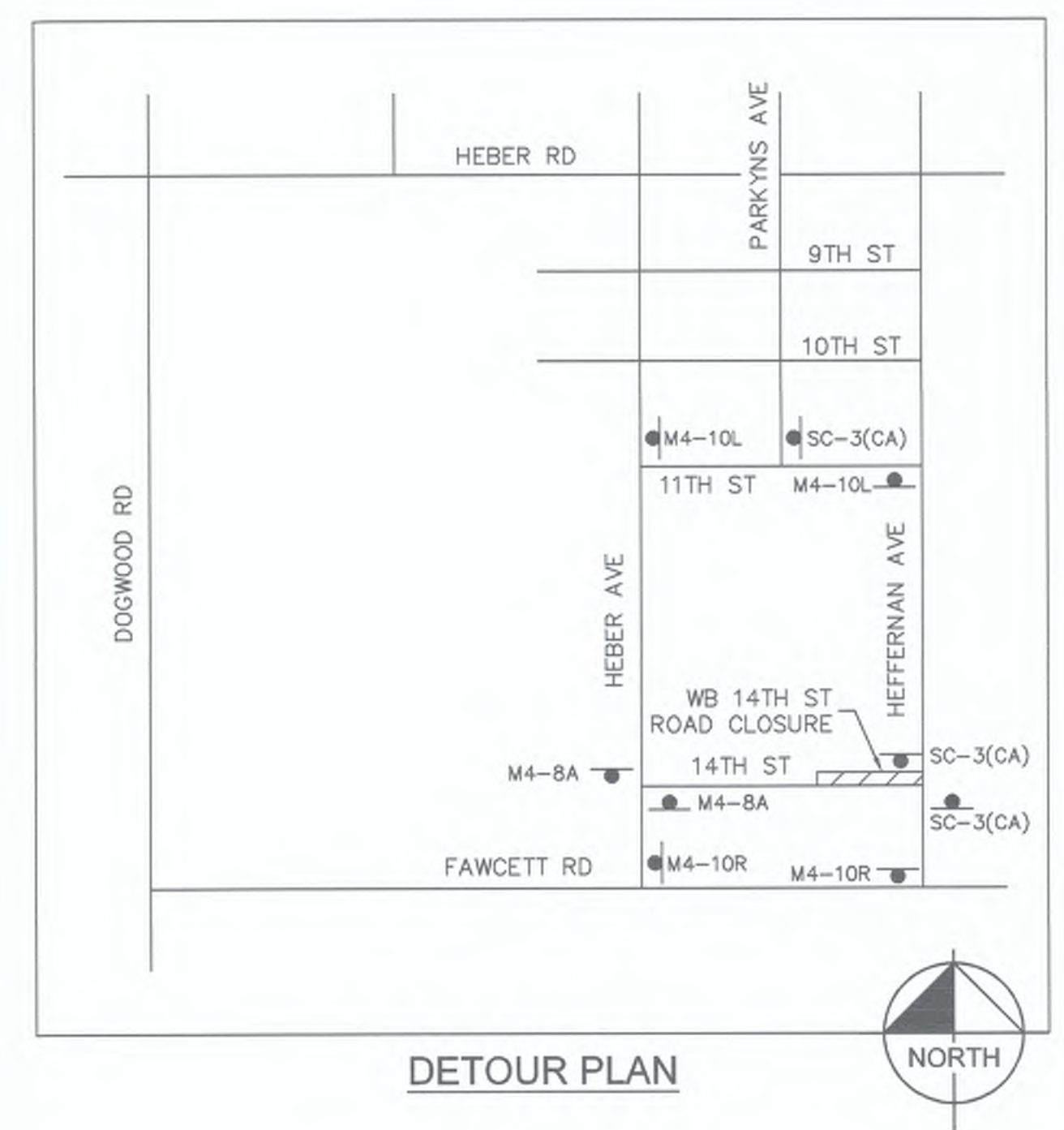
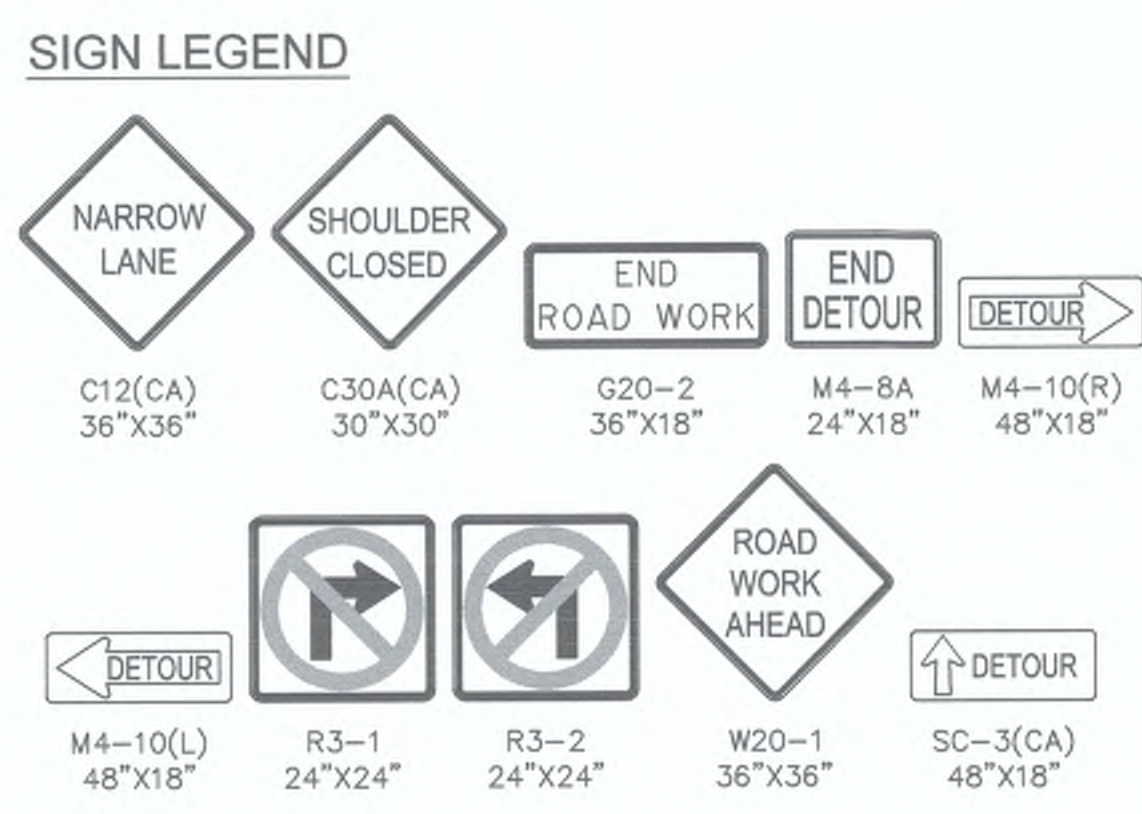
TRAFFIC CONTROL PLANS
STAGE 3

REFERENCE	R-983
6516	SHEET 16 OF 19



- LEGEND**
- WORK AREA
 - TEMPORARY CONSTRUCTION SIGN
 - PORTABLE CONES
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE WITH CONSTRUCTION SIGN
 - EXISTING LANE WIDTH
 - MINIMUM PROPOSED CONSTRUCTION LANE WIDTH

- TRAFFIC CONTROL NOTES**
- ② CONES SHALL BE PLACED IN 25' INTERVALS.
 - ③ CONES SHALL BE PLACED IN 50' INTERVALS.
 - ④ TEMPORARY "NO PARKING" IN WORK ZONE LIMITS.
 - ⑤ CONTRATOR SHALL MAINTAIN ACCESS TO RESIDENTIAL DRIVEWAYS AT ALL TIMES.
 - ⑦ CONTRATOR SHALL MAINTAIN ACCESS TO BUSINESS DRIVEWAYS AT ALL TIMES.



WORK TO BE DONE

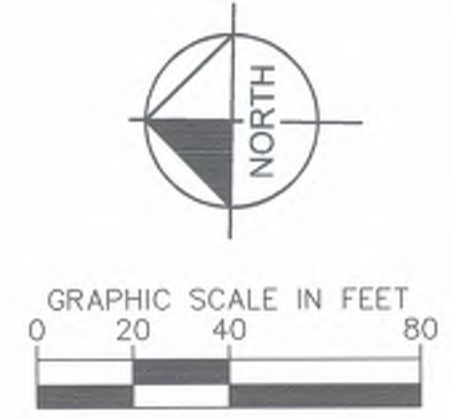
1. CONSTRUCT SIDEWALK AND CURB RAMPS ALONG NORTH SIDE OF 14TH STREET.

HOURS OF WORK

8:30 AM TO 3:30 PM

STAGE 4

LANE CLOSURE FOR WORK ON NORTH SIDE OF 14TH STREET.
SHOULDER CLOSURE FOR WORK ON WEST SIDE OF HEFFERNAN AVENUE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
Jon M. Collins
JON M. COLLINS
7/25/23
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
7/26/23
DATE

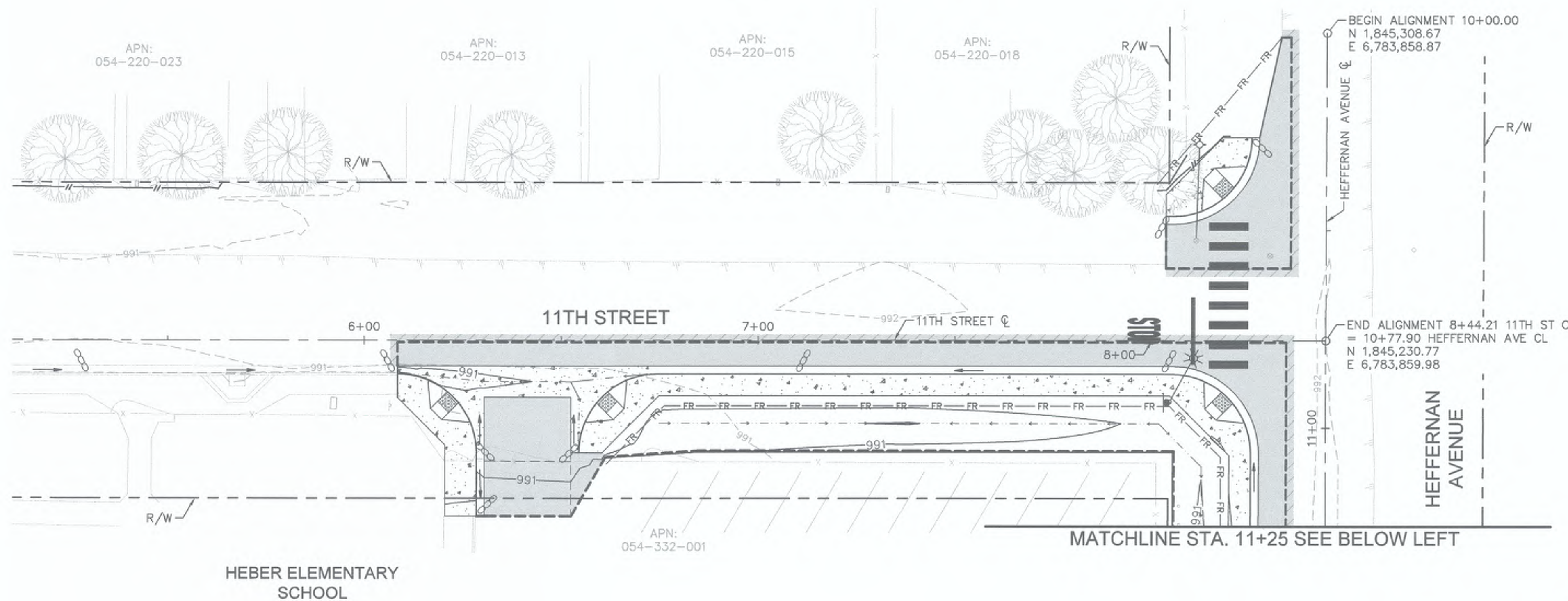
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CHECKED: [Signature]



SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
COUNTY PROJECT No. 6516

TRAFFIC CONTROL PLANS STAGE 4

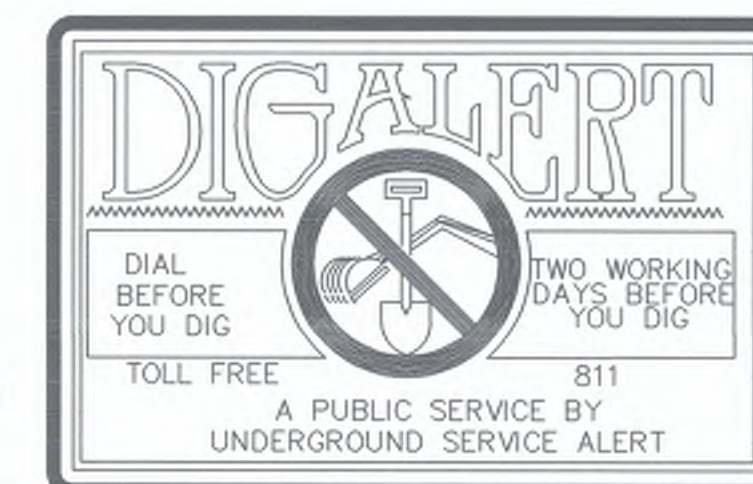
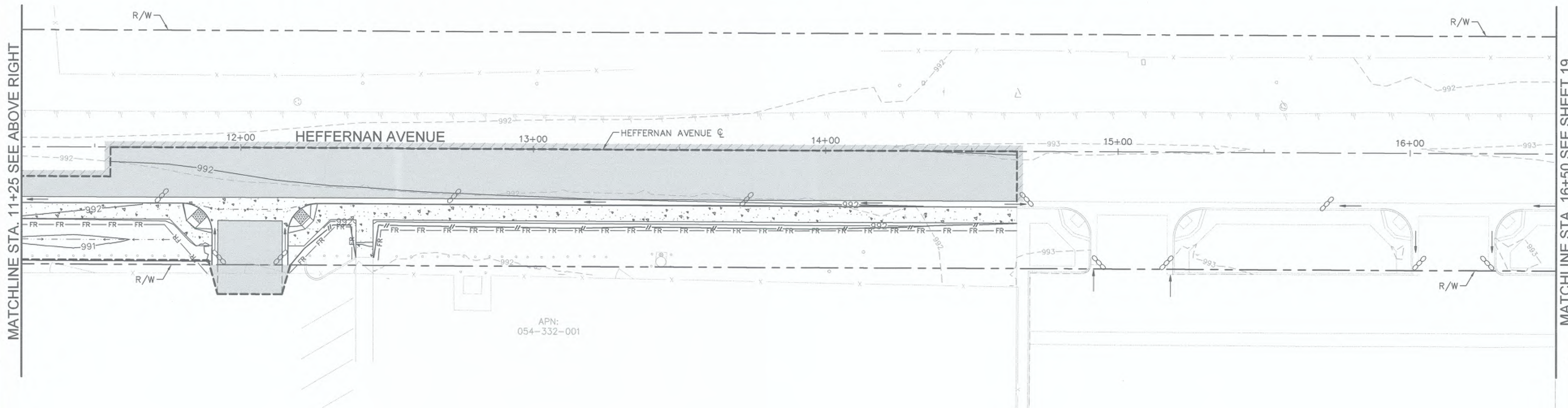
REFERENCE	R-983
6516	SHEET 17 OF 19



- LEGEND**
- ← FLOW DIRECTION
 - SAND BAGS BMP 1-06
 - FR— FR FIBER ROLL BMP 1-03
 - - - - - LIMITS OF DISTURBANCE

NOTE:

- FIBER ROLL SHALL BE PLACED AT EXISTING FENCE LINE OR AT R/W IF NO FENCE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

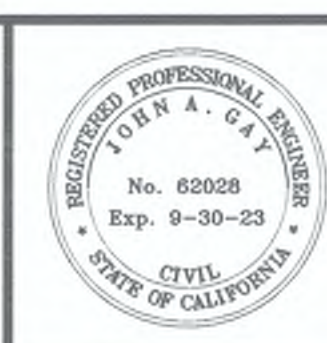
Nicholas J. Oleskiewicz

NICHOLAS J. OLESKOWICZ

89464 R.C.E. No.

7/25/23 DATE

12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT

APPROVED FOR CONSTRUCTION BY:

John A. Gay

JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS

7/26/23 DATE

62028 R.C.E. No.

09/30/23 REG. EXP.



DATE: 7/25/2023

DRAWN: AS SHOWN

CHECKED: AS SHOWN

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE FROM 11TH STREET TO 14TH STREET

ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY

COUNTY PROJECT No. 6516

WATER POLLUTION CONTROL PLANS

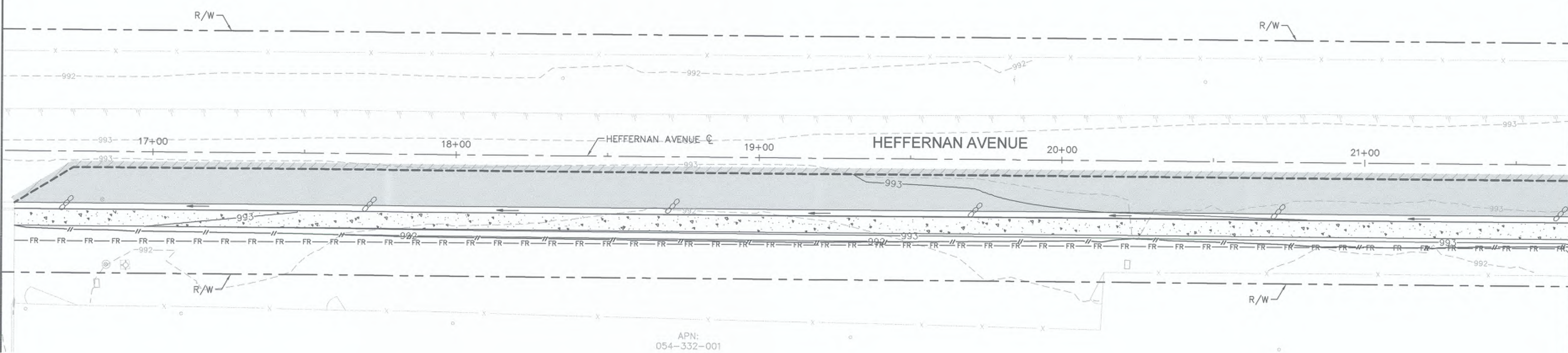
REFERENCE: 6516

R-983

SHEET 18 OF 19

MATCHLINE STA. 16+50 SEE SHEET 18

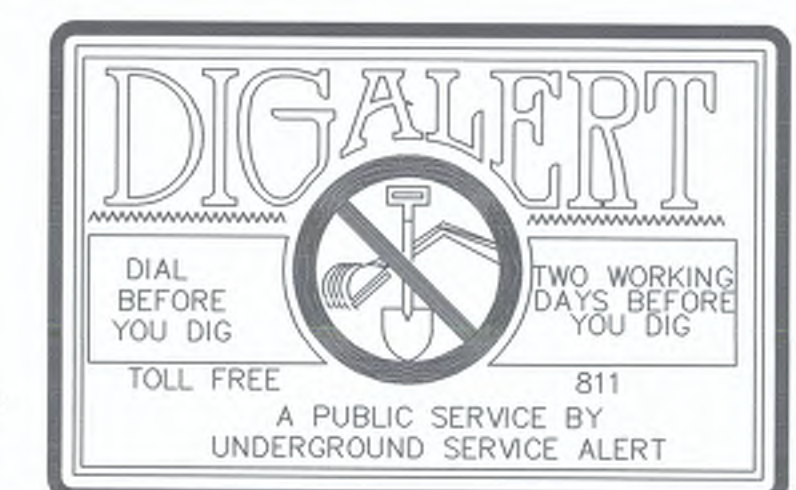
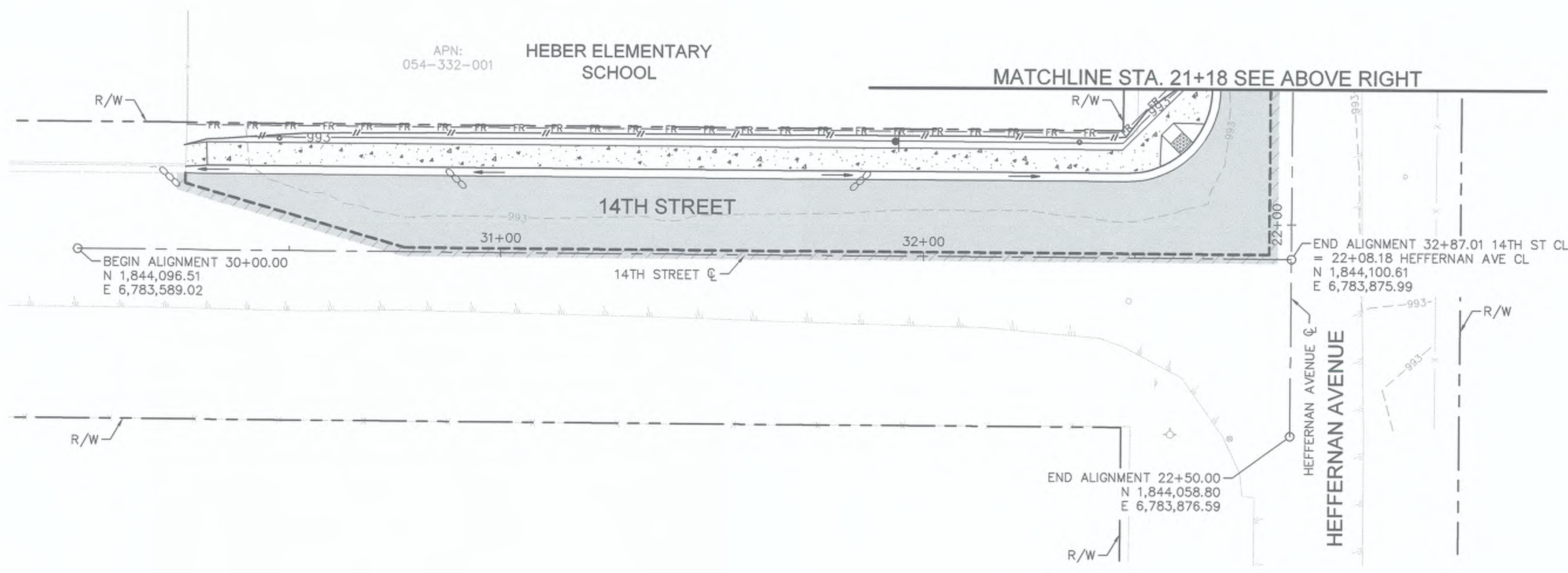
MATCHLINE STA. 21+18 SEE BELOW RIGHT



- LEGEND**
- ← FLOW DIRECTION
 - SAND BAGS BMP 1-06
 - FR— FR— FIBER ROLL BMP 1-03
 - LIMITS OF DISTURBANCE



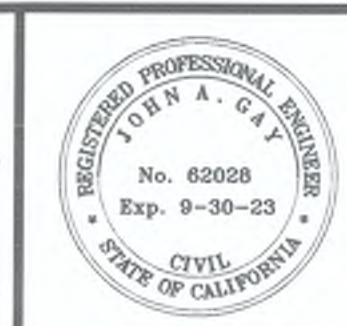
NOTE:
1. FIBER ROLL SHALL BE PLACED AT EXISTING FENCE LINE OR AT R/W IF NO FENCE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
Nicholas J. Oleskovicz
 NICHOLAS J. OLESKOWICZ
 7/25/23 DATE
 12/31/24 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
John A. Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 7/26/23 DATE
 09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 7/25/2023
 DRAWN:
 SCALE: AS SHOWN
 CHECKED:

SIDEWALK IMPROVEMENTS ON HEFFERNAN AVENUE
 FROM 11TH STREET TO 14TH STREET
ATPSB1L-5958(117) -- 11TH STREET AND HEFFERNAN AVENUE IN IMPERIAL COUNTY
 COUNTY PROJECT No. 6516

WATER POLLUTION CONTROL PLANS
 REFERENCE: **6516**
 SHEET 19 OF 19