



SHEET 9 MAIN STREET IMPROVEMENTS STA 1+00 TO STA 5+00

SHEET 10 MAIN STREET IMPROVEMENTS STA 5+00 TO STA 10+00

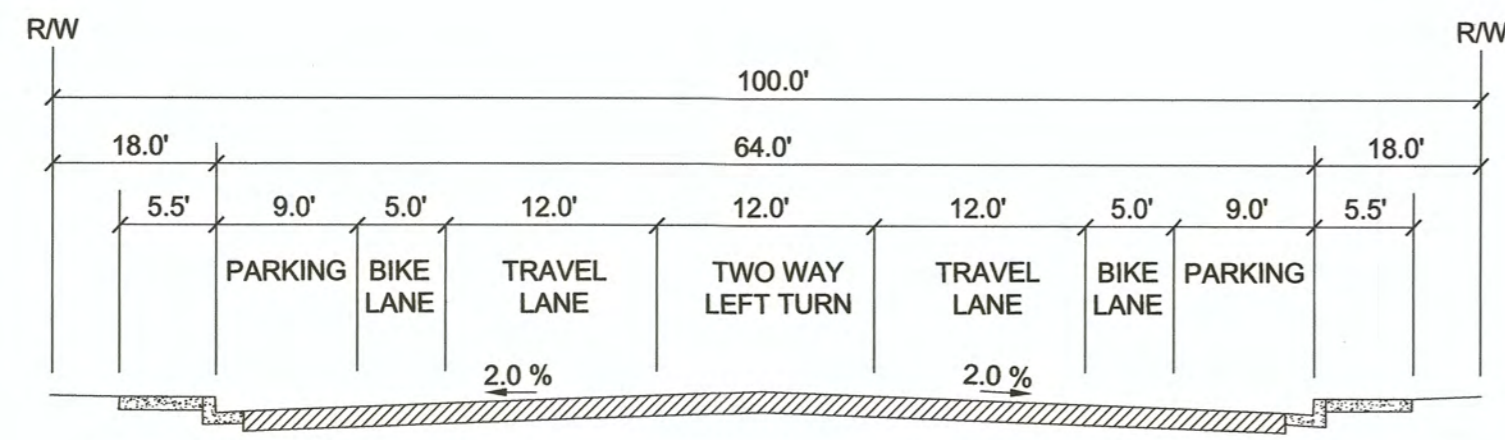
SHEET 11 MAIN STREET IMPROVEMENTS STA 10+00 TO STA 15+00

SHEET 12 MAIN STREET IMPROVEMENTS STA 15+00 TO STA 19+00

SHEET 13 MAIN STREET IMPROVEMENTS STA 19+00 TO STA 23+00

SHEET 14 MAIN STREET IMPROVEMENTS STA 23+00 TO STA 26+00

SCALE 1" = 100'



TYPICAL MAIN STREET CROSS SECTION
NOT TO SCALE

BENCHMARK TABLE

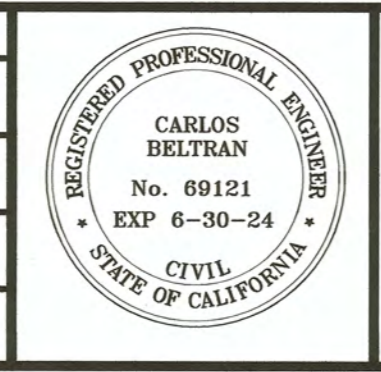
| BM/TBM# | ELEVATION | DESCRIPTION |
|---------|---------------------------|--|
| BM | 838.78' (NAVD'88+1000) | THE STATION MARK IS AN ALUMINUM SURVEY DISK SET ON TOP OF AN ALUMINUM ROD INSIDE A MONUMENT WELL, STAMPED "HPGN-CALIF. STA 11-11 1990". THE STATION IS LOCATED ON THE SOUTH SIDE OF NILAND, 0.64 MILE SOUTH ALONG STATE HIGHWAY 111 FROM CROSSING OF MAIN STREET AT NILAND, TO THE Y-INTERSECTION OF NILAND AVENUE AND THE STATION ON THE LEFT, 140.7 FEET NORTH OF THE MOST EASTERLY POINT OF THE ISLAND IN THE INTERSECTION, 75.5 FEET EAST OF THE CENTER OF HIGHWAY 111, 59.4 FEET WEST OF THE CENTERLINE OF NILAND AVENUE. |

Dynamic CONSULTING ENGINEERS

CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
IMPERIAL, CA. 92251

TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |

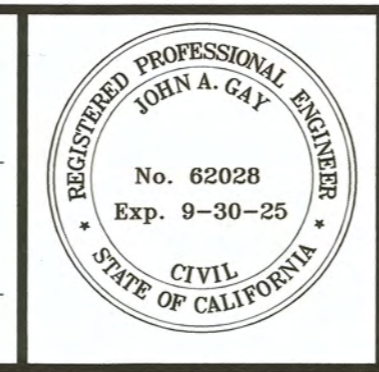


PREPARED UNDER THE DIRECT SUPERVISION OF:

Carlos Beltran
CARLOS BELTRAN, P.E.

69121
R.C.E. No.
06/30/2024
REG. EXP.

11/13/23
DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

John A. Gay
JOHN A. GAY, P.E.

62028
R.C.E. No.
09/30/2025
REG. EXP.

11/13/23
DATE



DATE 11/13/2023
DRAWN DB, FM
SCALE AS SHOWN
CHECKED CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
FEDERAL AID PROJECT NO. CML 5958(119)
COUNTY PROJECT NO. 6601

DCE PROJECT NO. 127521

| KEY MAP | |
|------------------|------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| | PAGE 2 OF 19 |

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION. REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

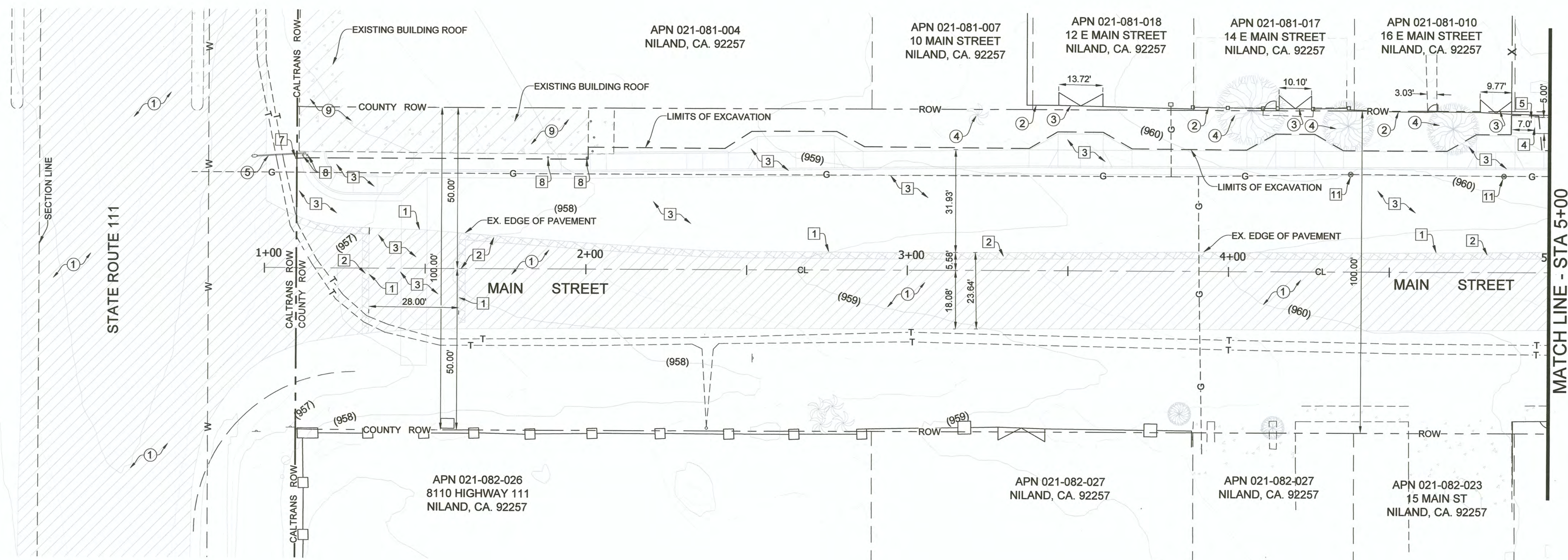
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, AT&T LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POTHOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POTHOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

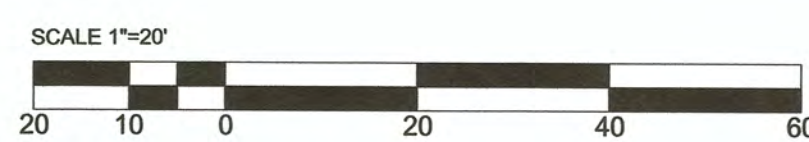
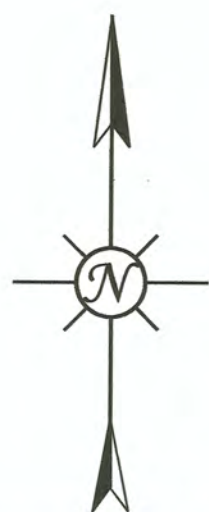
CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

EXISTING KEYNOTES:

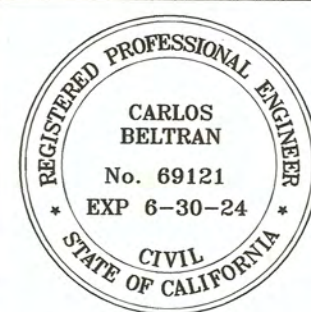
- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.



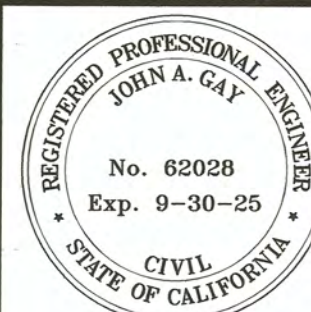
MATCH LINE - STA 5+00
SEE SHEET 4



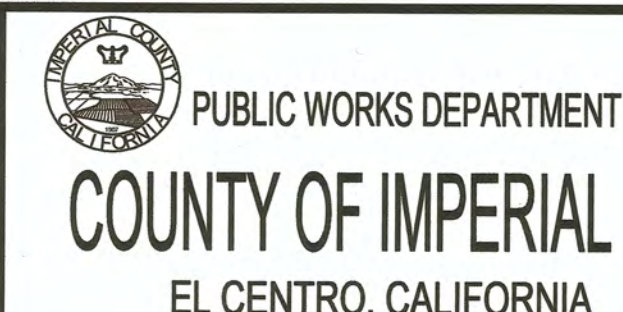
| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121
 R.C.E. No.
 06/30/2024
 REG. EXP.
 DATE: 11/13/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028
 R.C.E. No.
 09/30/2025
 REG. EXP.
 DATE: 11/13/23



DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521



CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL, CA. 92251

TEL. (760) 545-0162 FAX (760) 545-0163

MAIN STREET DEMOLITION PLANS STA 1+00 TO STA 5+00
 PROJECT NO. 6601
 REFERENCE R-1002
 PAGE 3 OF 19

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION, REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

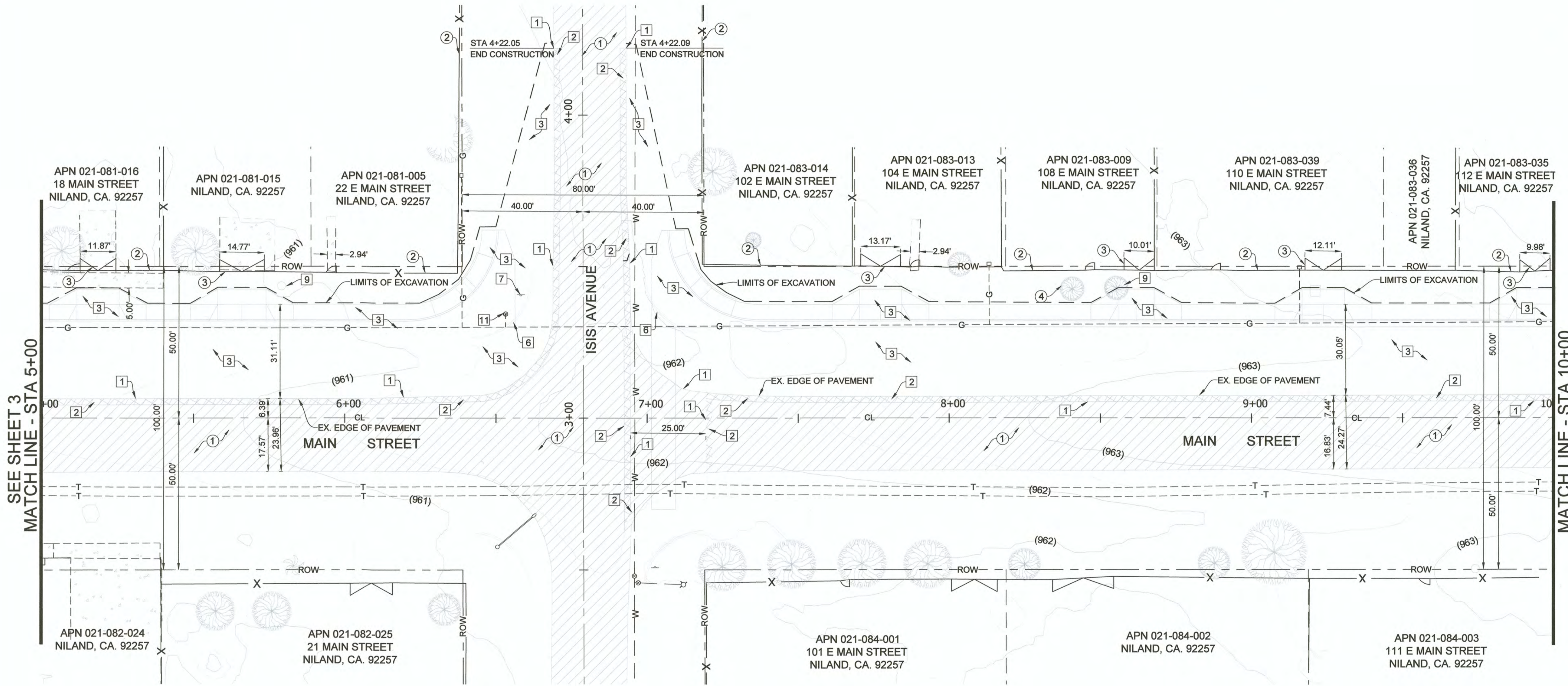
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, AT&T LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE. HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POTHOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POTHOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

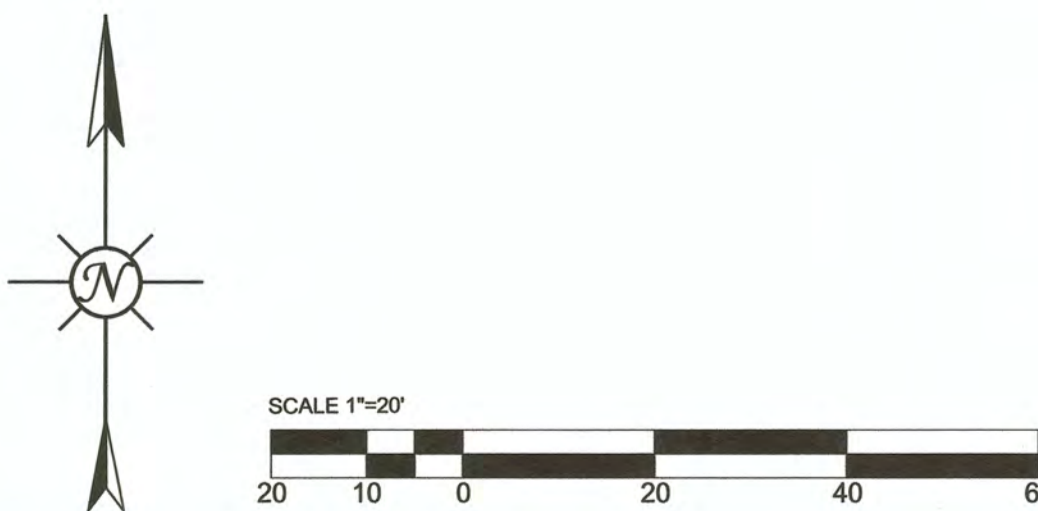
EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.



SEE SHEET 3
MATCH LINE - STA 5+00

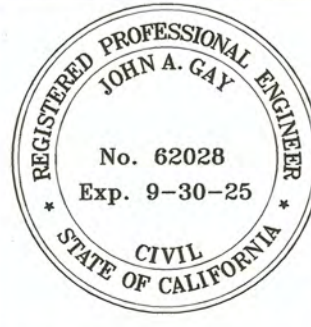
MATCH LINE - STA 10+00
SEE SHEET 5



| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 69121 R.C.E. No.
 06/30/2024 REG. EXP.
 DATE: 11/13/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 62028 R.C.E. No.
 09/30/2025 REG. EXP.
 DATE: 11/13/23



DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

**MAIN STREET DEMOLITION PLANS
 STA 5+00 TO STA 10+00**
 PROJECT NO. 6601
 REFERENCE R-1002
 PAGE 4 OF 19

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION. REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

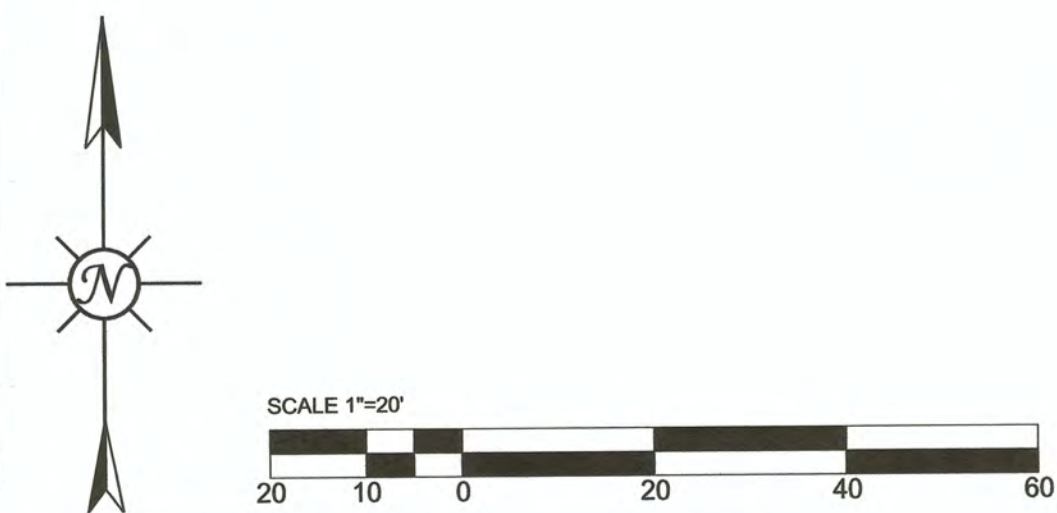
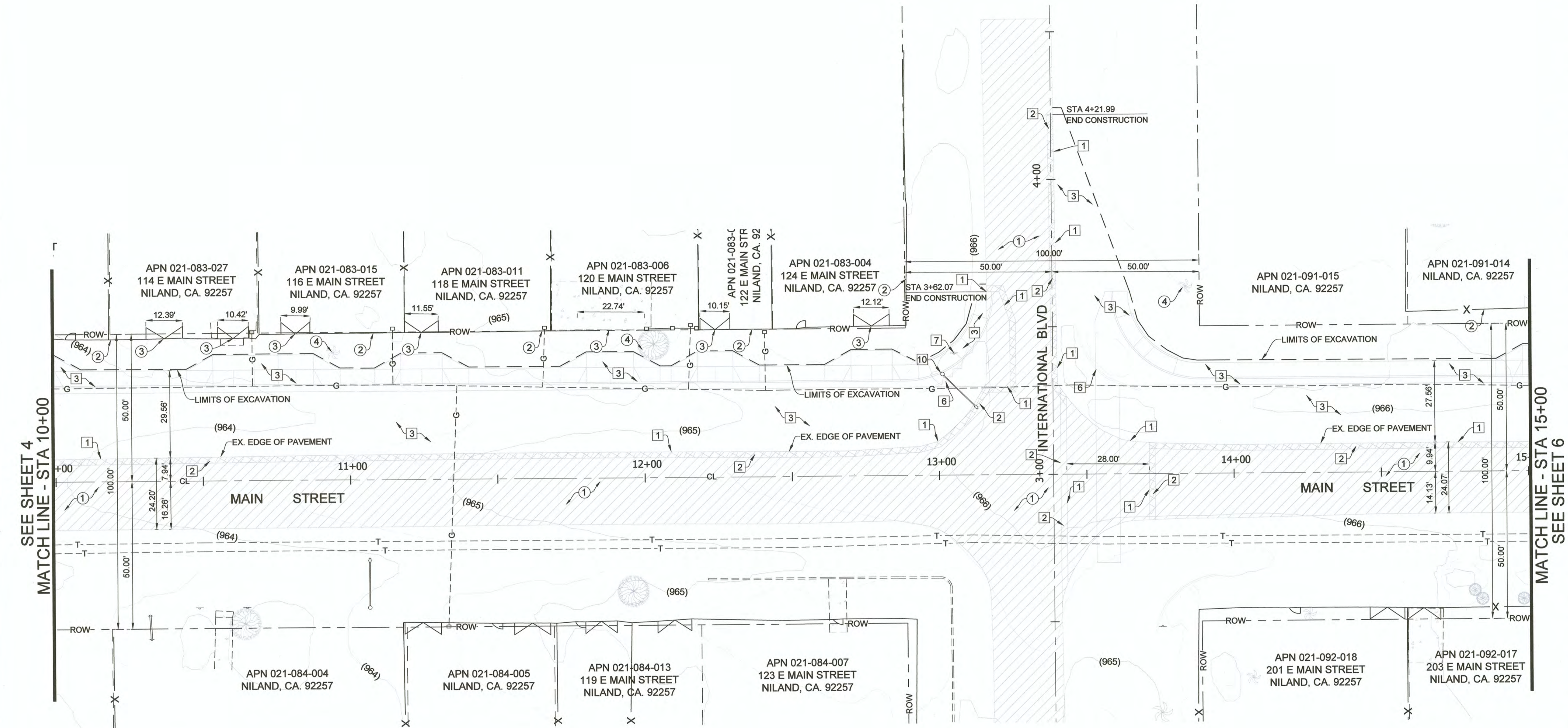
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, AT&T LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POT-HOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POT-HOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POT-HOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.



Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |

PREPARED UNDER THE DIRECT SUPERVISION OF:

 CARLOS BELTRAN, P.E.
 69121 R.C.E. No.
 06/30/2024 REG. EXP.
 DATE: 11/13/23

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 62028 R.C.E. No.
 09/30/2025 REG. EXP.
 DATE: 11/13/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

| | |
|---------|------------|
| DATE | 11/13/2023 |
| DRAWN | DB, FM |
| SCALE | AS SHOWN |
| CHECKED | CB |

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

MAIN STREET DEMOLITION PLANS STA 10+00 TO STA 15+00

| | |
|-------------------------|-------------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 5 OF 19 | |

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION. REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

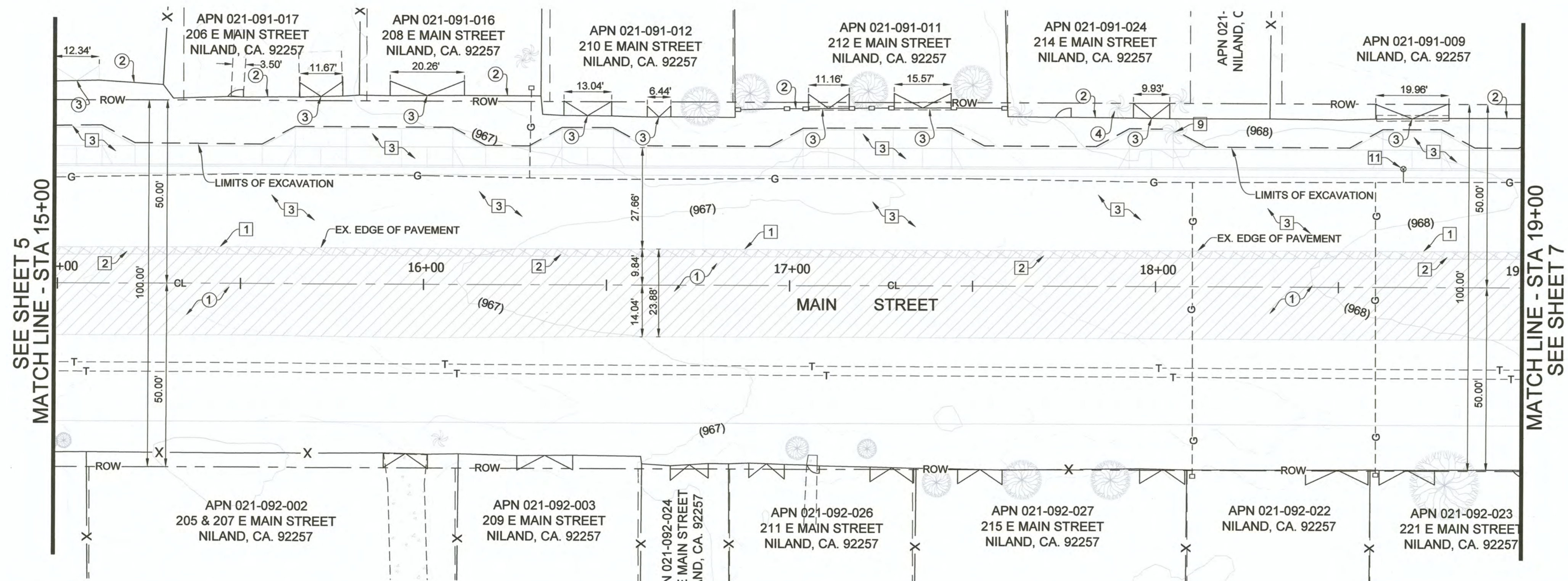
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, AT-T LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POT-HOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POTHOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POTHOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

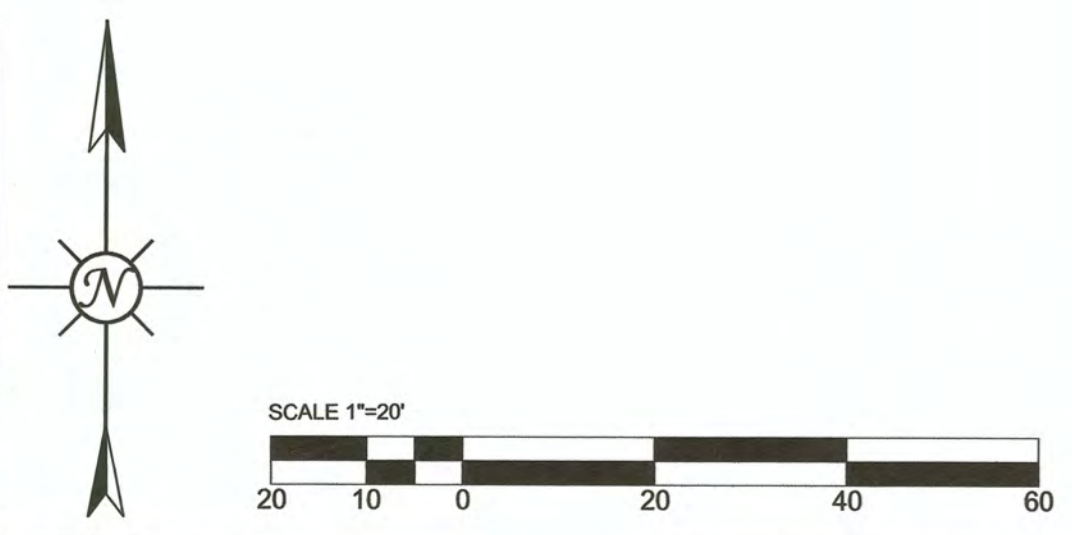
EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.



SEE SHEET 5
MATCH LINE - STA 15+00

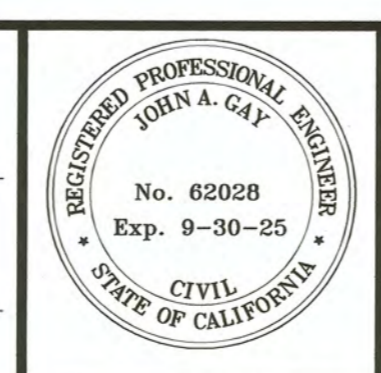
MATCH LINE - STA 19+00
SEE SHEET 7



| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 69121 R.C.E. No.
 06/30/2024 REG. EXP.
 DATE: 11/13/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 62028 R.C.E. No.
 09/30/2025 REG. EXP.
 DATE: 11/13/23



DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| | |
|--|------------------|
| MAIN STREET DEMOLITION PLANS STA 15+00 TO STA 19+00 | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 6 OF 19 | |

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION. REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

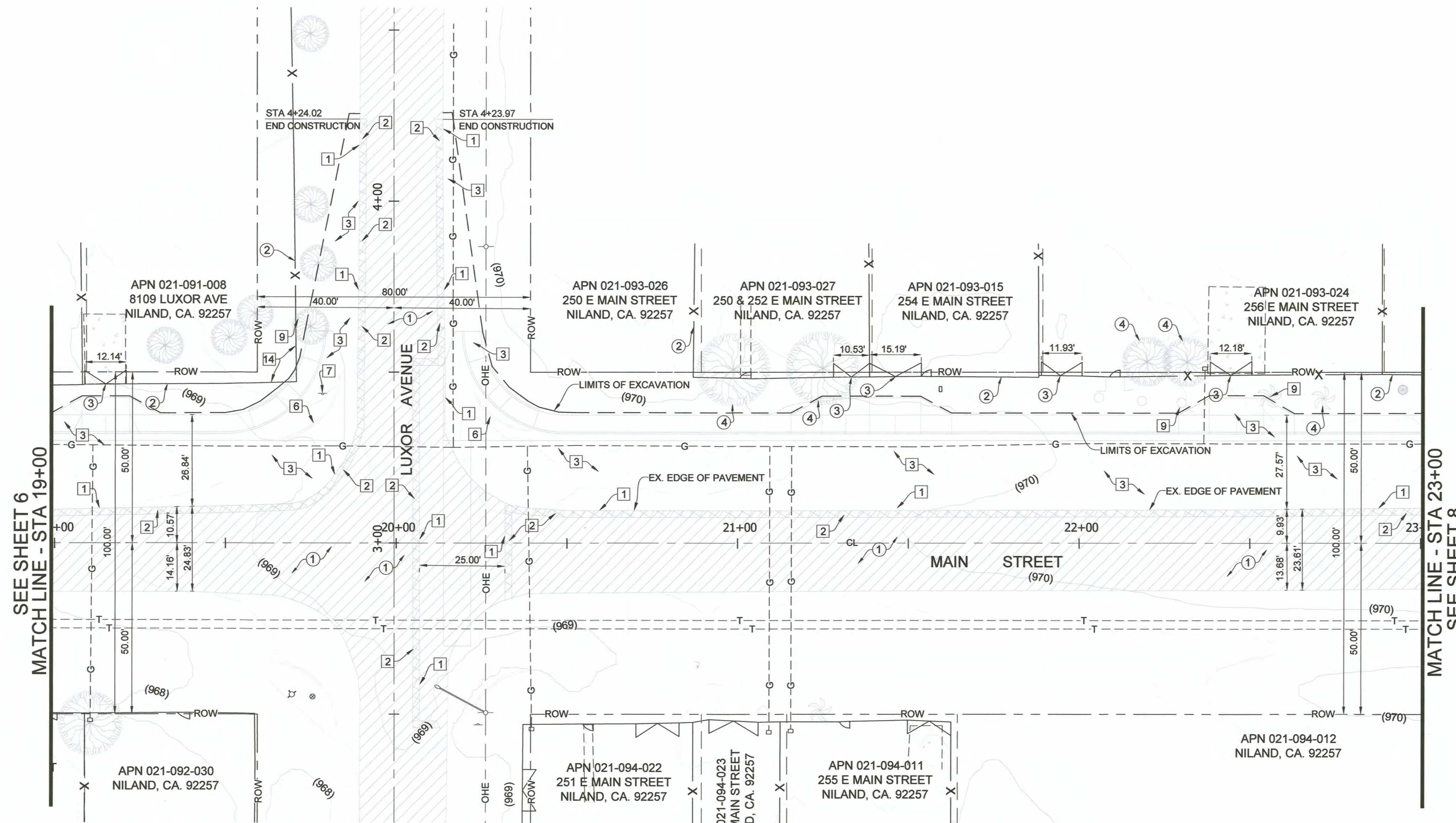
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, AT&T LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POT-HOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POT-HOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POT-HOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

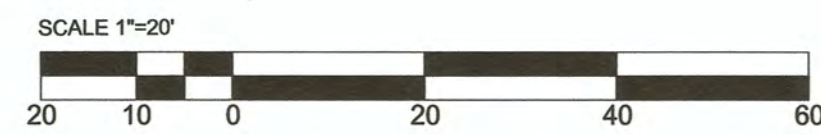
EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.

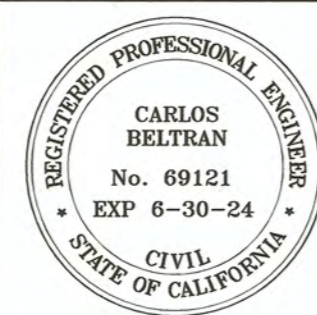


SEE SHEET 6
MATCH LINE - STA 19+00

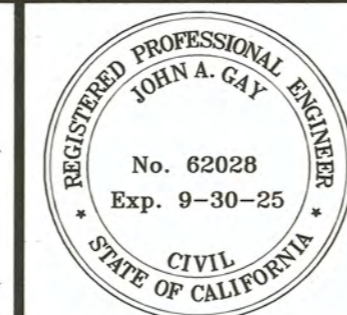
MATCH LINE - STA 23+00
SEE SHEET 8



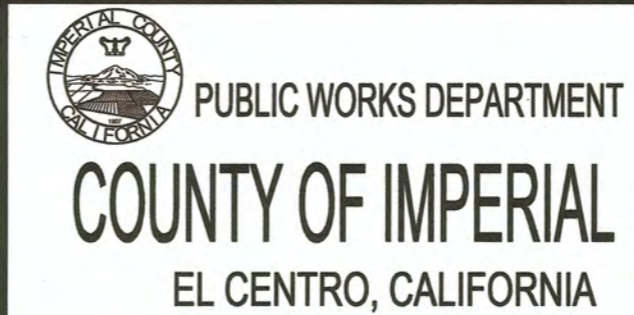
| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 No. 69121
 Exp. 6-30-24
 DATE: 11/13/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 No. 62028
 R.C.E. No.
 DATE: 11/13/23
 09/30/2025
 REG. EXP.



| | |
|---------|------------|
| DATE | 11/13/2023 |
| DRAWN | DB, FM |
| SCALE | AS SHOWN |
| CHECKED | CB |

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| | |
|---|---------------------|
| MAIN STREET DEMOLITION PLANS STA 19+00 TO STA 23+00 | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| | PAGE 7 OF 19 |

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
- 2 COLD PLANE EXISTING A.C. PAVEMENT FOR A THICKNESS OF 0.12-FOOT PER CONSTRUCTION PAVEMENT EXTENSION JOINT PER DETAIL 3 ON SHEET 17. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT MATERIAL.
- 3 ROADWAY EXCAVATION, REMOVE AND DISPOSE EXISTING SHOULDER MATERIAL, EXISTING CONCRETE, BURIED ASPHALT CONCRETE PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN ELEVATION TO ACCOMMODATE NEW 4-INCHES OF A.C. PAVEMENT OVER 18-INCHES OF CLASS 2 BASE.
- 4 SAWCUT THE EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY FOR THE FULL DEPTH OF THE P.C.C. SIDEWALK, CURB, OR DRIVEWAY.
- 5 REMOVE AND DISPOSE OF EXISTING P.C.C. SIDEWALK, CURB, OR DRIVEWAY INCLUDING REBARS AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 6 REMOVE AND DISPOSE OF EXISTING A.C. DIKE AND UNDERLYING MATERIAL TO DESIGN SUBBASE GRADE.
- 7 REMOVE AND DELIVER EXISTING STOP OR STREET SIGN TO THE COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT YARD. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF IMPERIAL FOR THE DELIVERY LOCATION OF THE EXISTING SIGN.
- 8 REMOVE AND DISPOSE OF EXISTING POST GUARD.
- 9 REMOVE AND DISPOSE OF EXISTING PALM TREES, ROOTS, AND ANY ORGANIC MATERIAL.
- 10 REMOVE AND RELOCATE EXISTING POWER POLE (WITH STREET LIGHT) AND GUY WIRE IF ANY, BY OTHERS.
- 11 CONTRACTOR TO LOWER THE EXISTING GAS VALVE RISER BELOW GRADE PRIOR TO PAVING ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER. SEE DETAIL 2 ON SHEET 17.
- 12 CONTRACTOR TO LOWER THE WATER VALVE RISER TO BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL 2 ON SHEET 17.
- 13 REMOVE AND RELOCATE EXISTING WATER FIRE HYDRANT BY OTHERS.
- 14 RELOCATE EXISTING FENCE BEHIND ADA CURB RETURN.

NOTE:

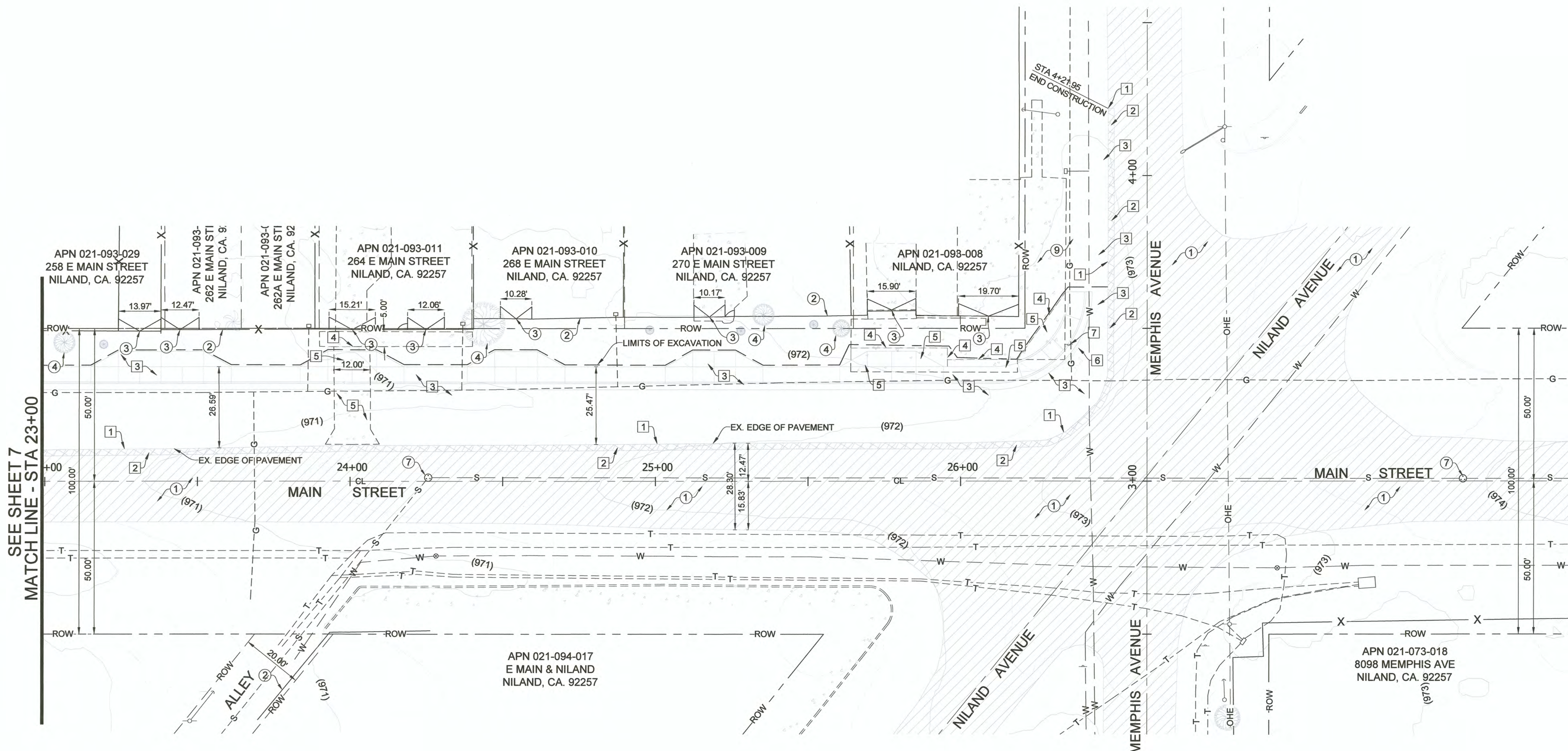
THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE UNKNOWN. THE EXISTING LOCATION OF GAS LATERALS, ATN LINES, AND WATER SERVICE LATERALS ARE UNKNOWN AND NOT ILLUSTRATED ON THE PLANS. AN EFFORT WAS MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES NOT ILLUSTRATED ON THE PLANS. CONTRACTOR SHALL "POT-HOLE" THE EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER A.C. PAVEMENT AND CONCRETE AREAS WITHIN FIVE (5) DAYS FROM THE ISSUANCE OF THE NOTICE TO PROCEED. THE CONTRACTOR SHALL COORDINATE THE "POT-HOLING" WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. IT SHALL BE VERIFIED THAT THE EXISTING UTILITIES ARE LOCATED BELOW THE SUBBASE DESIGN ELEVATION OF THE NEW STREET SECTION IMPROVEMENTS. RELOCATION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANY. THERE ARE EXISTING UNDERGROUND TELEPHONE CABLE, WATER, SANITARY SEWER, AND GAS ALONG MAIN STREET. THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE UTILITIES PRIOR TO THE EXCAVATION OF SUBGRADE ALONG THE NEW PAVEMENT STRUCTURAL SECTION. THE CONSTRUCTION MANAGER AND UTILITY PURVEYOR SHALL OBSERVE THE UTILITIES PRIOR TO DEMOLITION OF THE ROADWAY. THE GAS PIPELINE WITHIN A.C. PAVEMENT AREAS ALONG MAIN STREET SHALL BE POTHOLED 100 FOOT ON CENTER. THE WATER PIPELINE BENEATH A.C. PAVEMENT OR P.C.C. CONCRETE SHALL BE POTHOLED AT 100 FOOT ON CENTER. PIPELINES OBSERVED AND IDENTIFIED AS TOO SHALLOW BY THE UTILITY PURVEYORS SHALL BE PROTECTED BY USING LIGHTER COMPACTION EQUIPMENT IN THE VICINITY OF THE UTILITIES.

CONTRACTOR SHALL INSTALL (PLANT) 6-PALM TREES AT A LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. PALM TREE SHALL BE 16-GALLON TREES AND OF THE SAME SPECIES AS THE PALM TREE REMOVED.

CONTRACTOR SHALL INSTALL (PLANT) 4-TREES AT LOCATION DESIGNATED BY THE CONSTRUCTION MANAGER. THE TREE SHALL BE A 16-GALLON TREE AND OF THE SAME SPECIES AS THE TREE REMOVED.

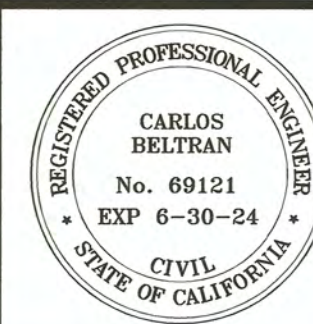
EXISTING KEYNOTES:

- 1 EXISTING A.C. PAVEMENT TO REMAIN.
- 2 EXISTING FENCE TO REMAIN.
- 3 EXISTING GATE TO REMAIN.
- 4 EXISTING TREES AND BRUSH TO REMAIN.
- 5 EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- 6 EXISTING SIGN TO REMAIN.
- 7 EXISTING UTILITY MANHOLE TO REMAIN.
- 8 EXISTING UTILITY BOX TO REMAIN.
- 9 EXISTING SIDEWALK TO REMAIN.
- 10 EXISTING CURB TO REMAIN.

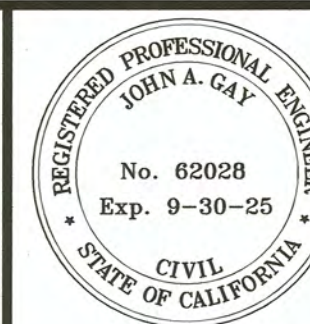


Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 DATE: 11/13/23



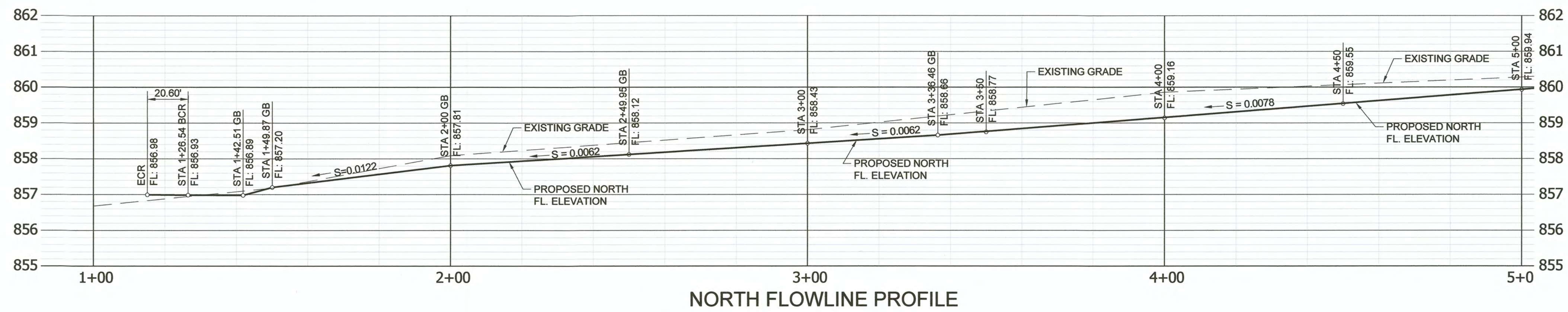
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DATE: 11/13/23



| | |
|---------|------------|
| DATE | 11/13/2023 |
| DRAWN | DB, FM |
| SCALE | AS SHOWN |
| CHECKED | CB |

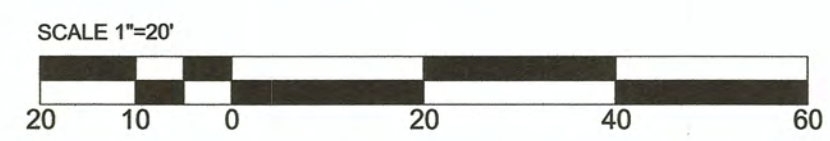
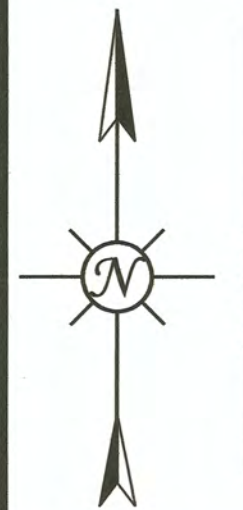
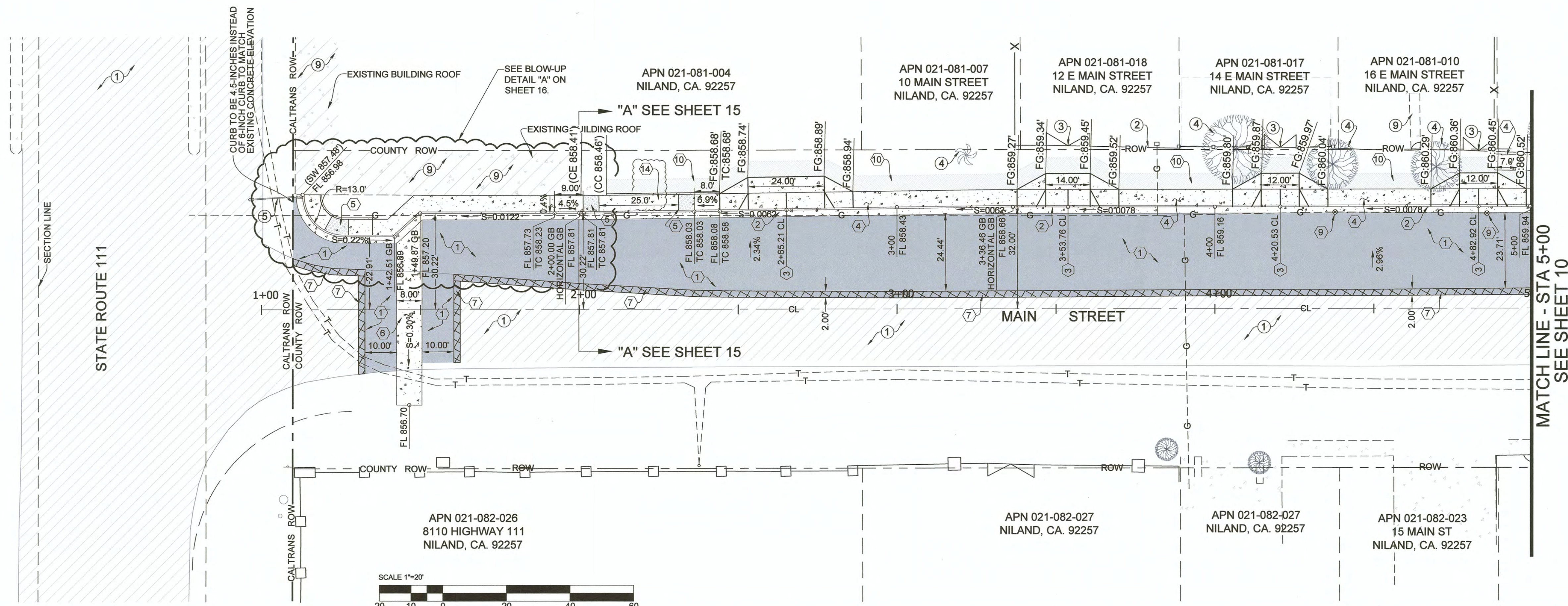
NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

| | |
|--|-------------------------|
| MAIN STREET DEMOLITION PLANS STA 23+00 TO STA 26+50 | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 8 OF 19 | |



- EXISTING KEYNOTES:**
- ① EXISTING A.C. PAVEMENT TO REMAIN.
 - ② EXISTING FENCE REMAIN.
 - ③ EXISTING GATE TO REMAIN.
 - ④ EXISTING TREES AND BRUSH TO REMAIN.
 - ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
 - ⑥ EXISTING SIGN TO REMAIN.
 - ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
 - ⑧ EXISTING UTILITY BOX TO REMAIN.
 - ⑨ EXISTING SIDEWALK TO REMAIN.
 - ⑩ EXISTING CURB TO REMAIN.

- CONSTRUCTION KEYNOTES**
- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
 - ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
 - ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
 - ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
 - ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
 - ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
 - ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
 - ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5-FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
 - ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
 - ⑫ N/A
 - ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
 - ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN A90B DETAIL.



Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL, CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |

REGISTERED PROFESSIONAL ENGINEER
CARLOS BELTRAN
 No. 69121
 Exp. 6-30-24
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121
 R.C.E. No.
 06/30/2024
 REG. EXP.
 DATE: 11/13/23

REGISTERED PROFESSIONAL ENGINEER
JOHN A. GAY
 No. 62028
 Exp. 9-30-25
 CIVIL
 STATE OF CALIFORNIA

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028
 R.C.E. No.
 09/30/2025
 REG. EXP.
 DATE: 11/13/23

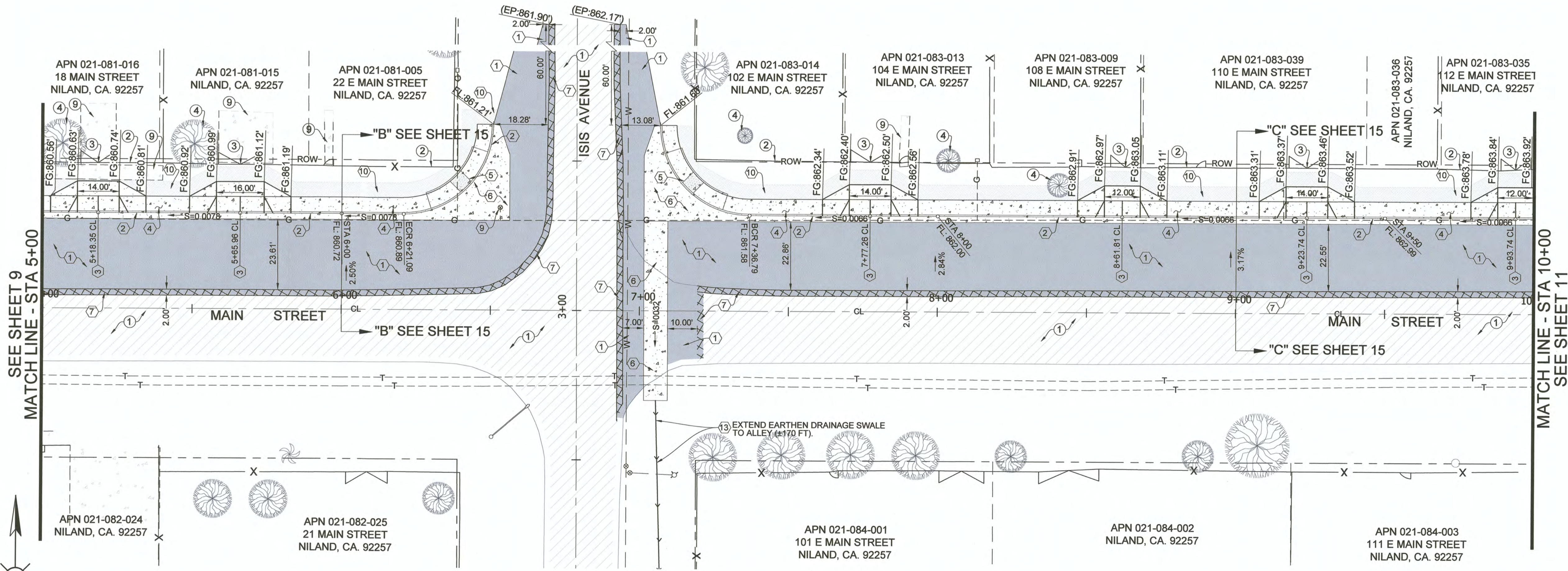
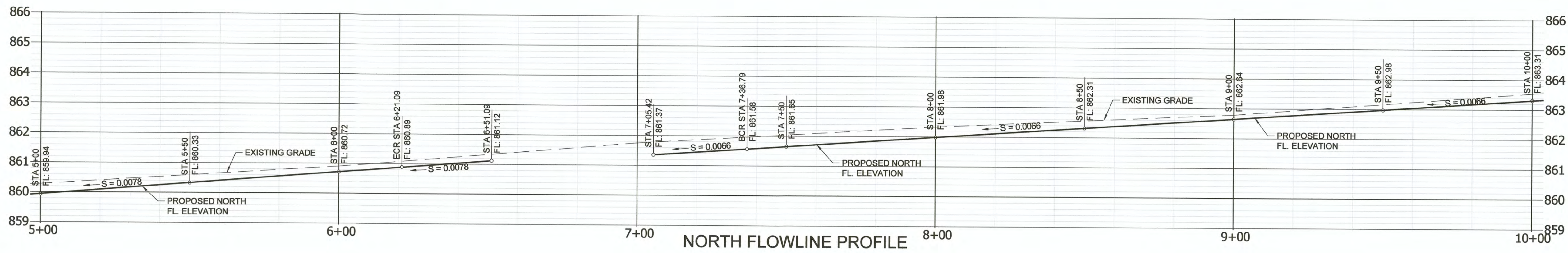
PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

MAIN STREET IMPROVEMENT PLANS STA 1+00 TO STA 5+00

| | |
|------------------|------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 9 OF 19 | |

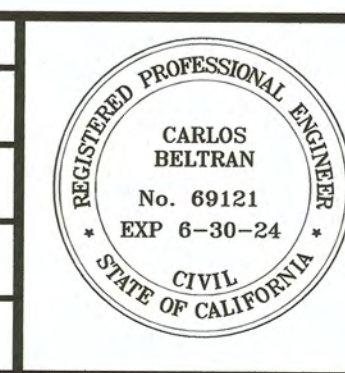


- EXISTING KEYNOTES:**
- ① EXISTING A.C. PAVEMENT TO REMAIN.
 - ② EXISTING FENCE REMAIN.
 - ③ EXISTING GATE TO REMAIN.
 - ④ EXISTING TREES AND BRUSH TO REMAIN.
 - ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
 - ⑥ EXISTING SIGN TO REMAIN.
 - ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
 - ⑧ EXISTING UTILITY BOX TO REMAIN.
 - ⑨ EXISTING SIDEWALK TO REMAIN.
 - ⑩ EXISTING CURB TO REMAIN.

- CONSTRUCTION KEYNOTES**
- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
 - ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
 - ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
 - ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
 - ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
 - ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
 - ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
 - ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5-FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
 - ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
 - ⑫ N/A
 - ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
 - ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN #808 DETAIL.



| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES ⑨ ⑭ UPDATED DEMOLITION KEYNOTE ⑭ |



PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121 R.C.E. No.
 06/30/2024 REG. EXP.
 DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028 R.C.E. No.
 09/30/2025 REG. EXP.
 DATE

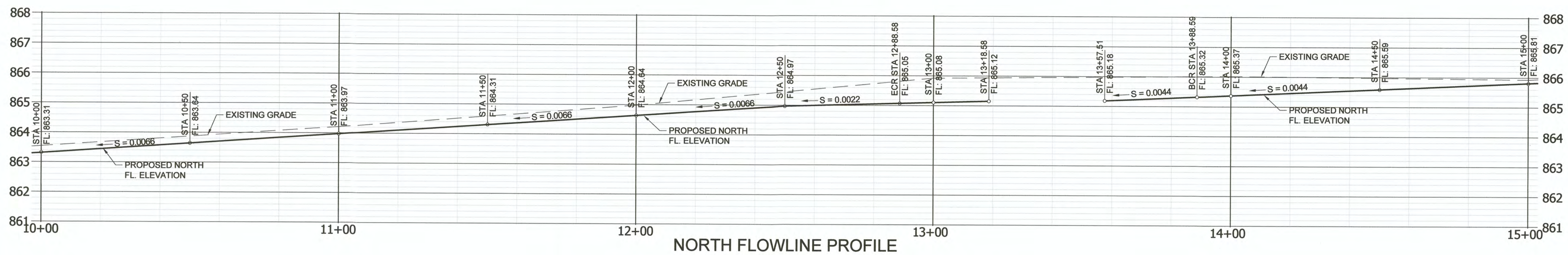
PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH
 FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

MAIN STREET IMPROVEMENT PLANS
 STA 5+00 TO STA 10+00
 PROJECT NO. 6601
 REFERENCE R-1002
 PAGE 10 OF 19



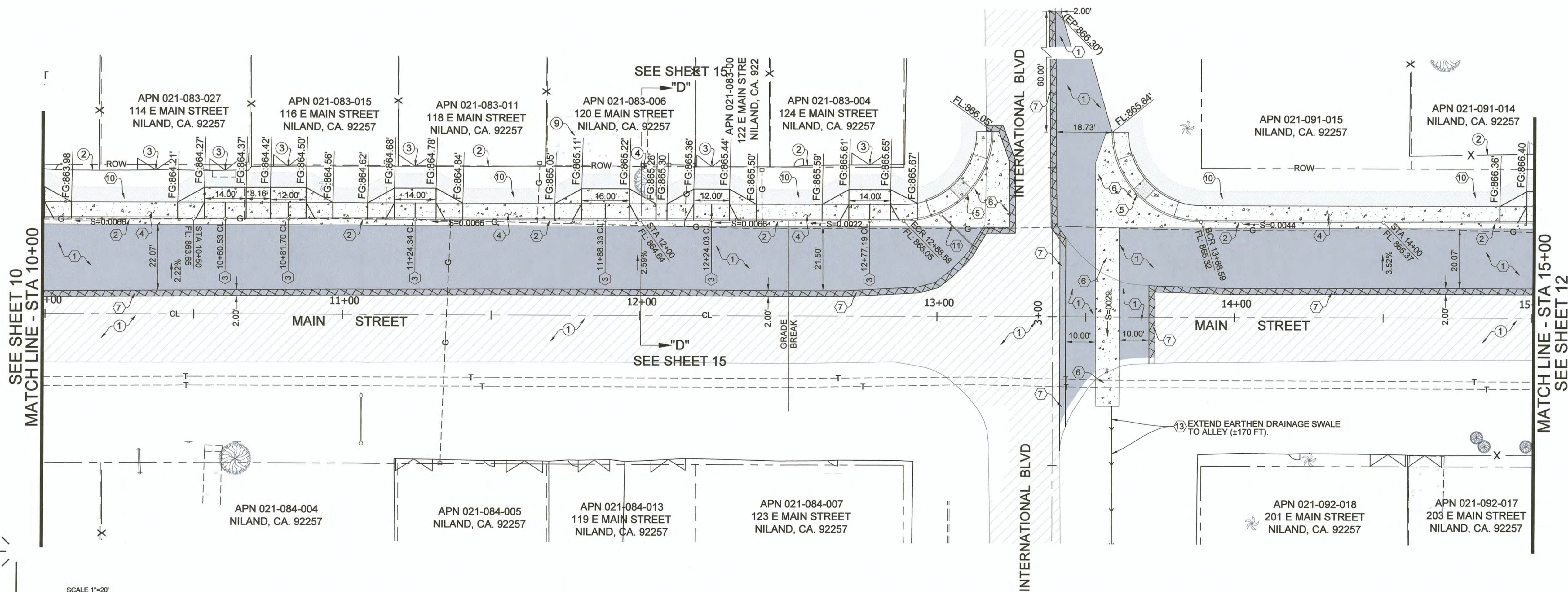
NORTH FLOWLINE PROFILE

EXISTING KEYNOTES:

- ① EXISTING A.C. PAVEMENT TO REMAIN.
- ② EXISTING FENCE TO REMAIN.
- ③ EXISTING GATE TO REMAIN.
- ④ EXISTING TREES AND BRUSH TO REMAIN.
- ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- ⑥ EXISTING SIGN TO REMAIN.
- ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
- ⑧ EXISTING UTILITY BOX TO REMAIN.
- ⑨ EXISTING SIDEWALK TO REMAIN.
- ⑩ EXISTING CURB TO REMAIN.

CONSTRUCTION KEYNOTES

- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
- ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
- ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
- ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
- ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
- ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
- ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
- ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5- FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
- ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
- ⑫ N/A
- ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
- ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN A90B DETAIL.



SEE SHEET 10
MATCH LINE - STA 10+00

MATCH LINE - STA 15+00
SEE SHEET 12



Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |

PREPARED UNDER THE DIRECT SUPERVISION OF:

 CARLOS BELTRAN, P.E.
 DATE: 11/13/23

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 DATE: 11/13/23

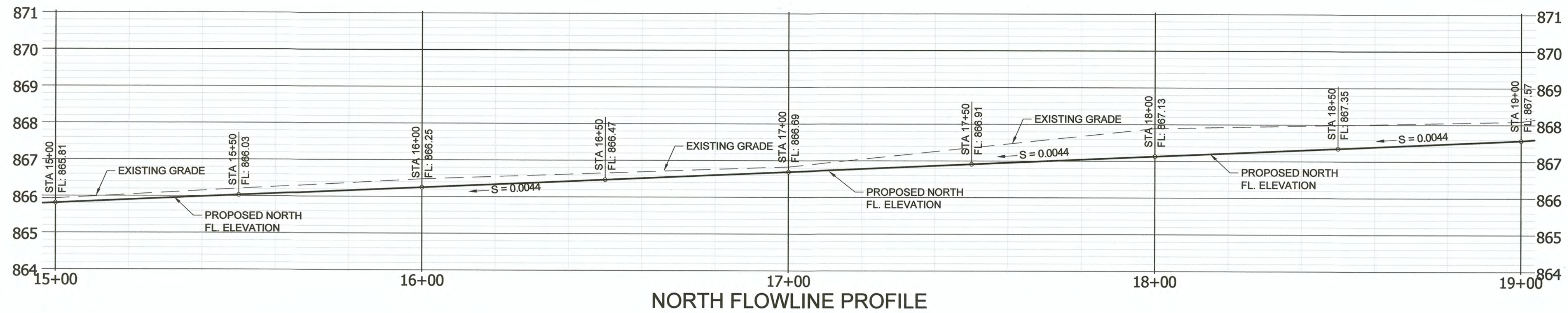
PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

MAIN STREET IMPROVEMENT PLANS STA 10+00 TO STA 15+00

| | |
|------------------|------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 11 OF 19 | |



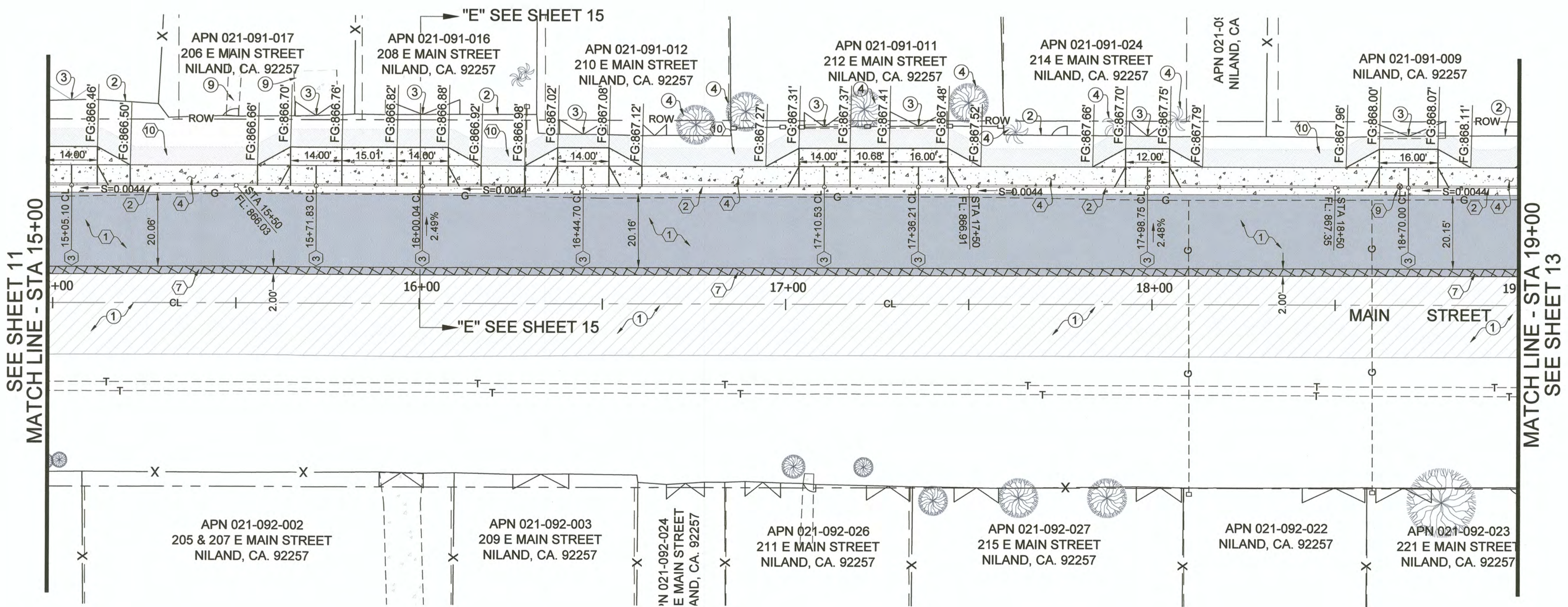
NORTH FLOWLINE PROFILE

EXISTING KEYNOTES:

- ① EXISTING A.C. PAVEMENT TO REMAIN.
- ② EXISTING FENCE REMAIN.
- ③ EXISTING GATE TO REMAIN.
- ④ EXISTING TREES AND BRUSH TO REMAIN.
- ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- ⑥ EXISTING SIGN TO REMAIN.
- ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
- ⑧ EXISTING UTILITY BOX TO REMAIN.
- ⑨ EXISTING SIDEWALK TO REMAIN.
- ⑩ EXISTING CURB TO REMAIN.

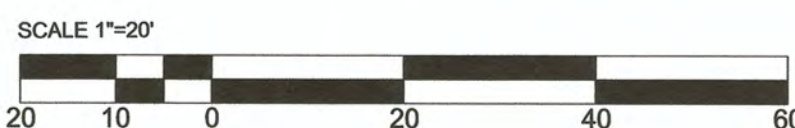
CONSTRUCTION KEYNOTES

- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
- ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
- ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
- ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
- ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
- ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
- ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
- ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5- FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
- ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
- ⑫ N/A
- ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
- ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN A908 DETAIL.



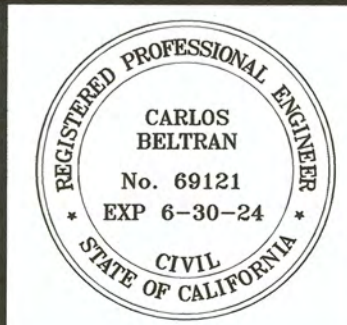
SEE SHEET 11
MATCHLINE - STA 15+00

MATCHLINE - STA 19+00
SEE SHEET 13



Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 DATE: 11/12/22



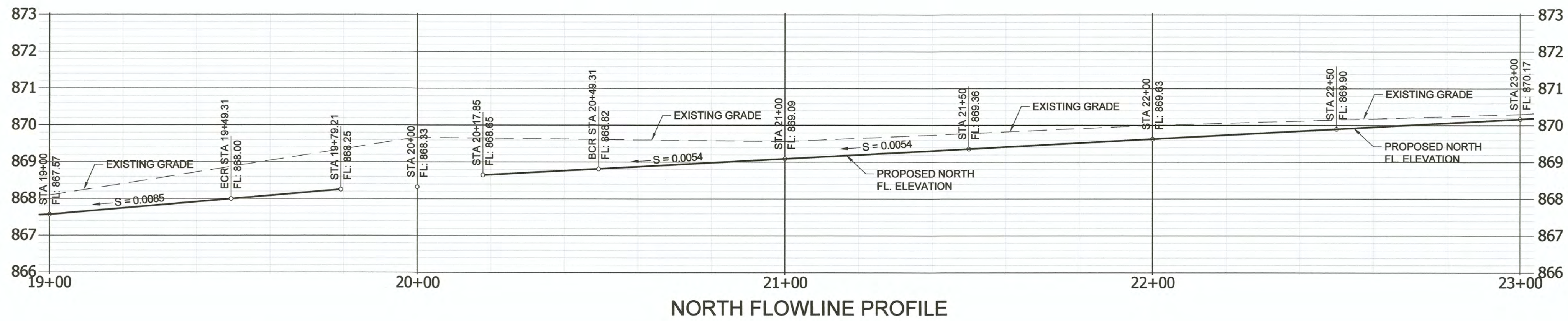
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DATE: 11/13/23



DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

MAIN STREET IMPROVEMENT PLANS STA 15+00 TO STA 19+00
 PROJECT NO. 6601
 REFERENCE R-1002
 PAGE 12 OF 19



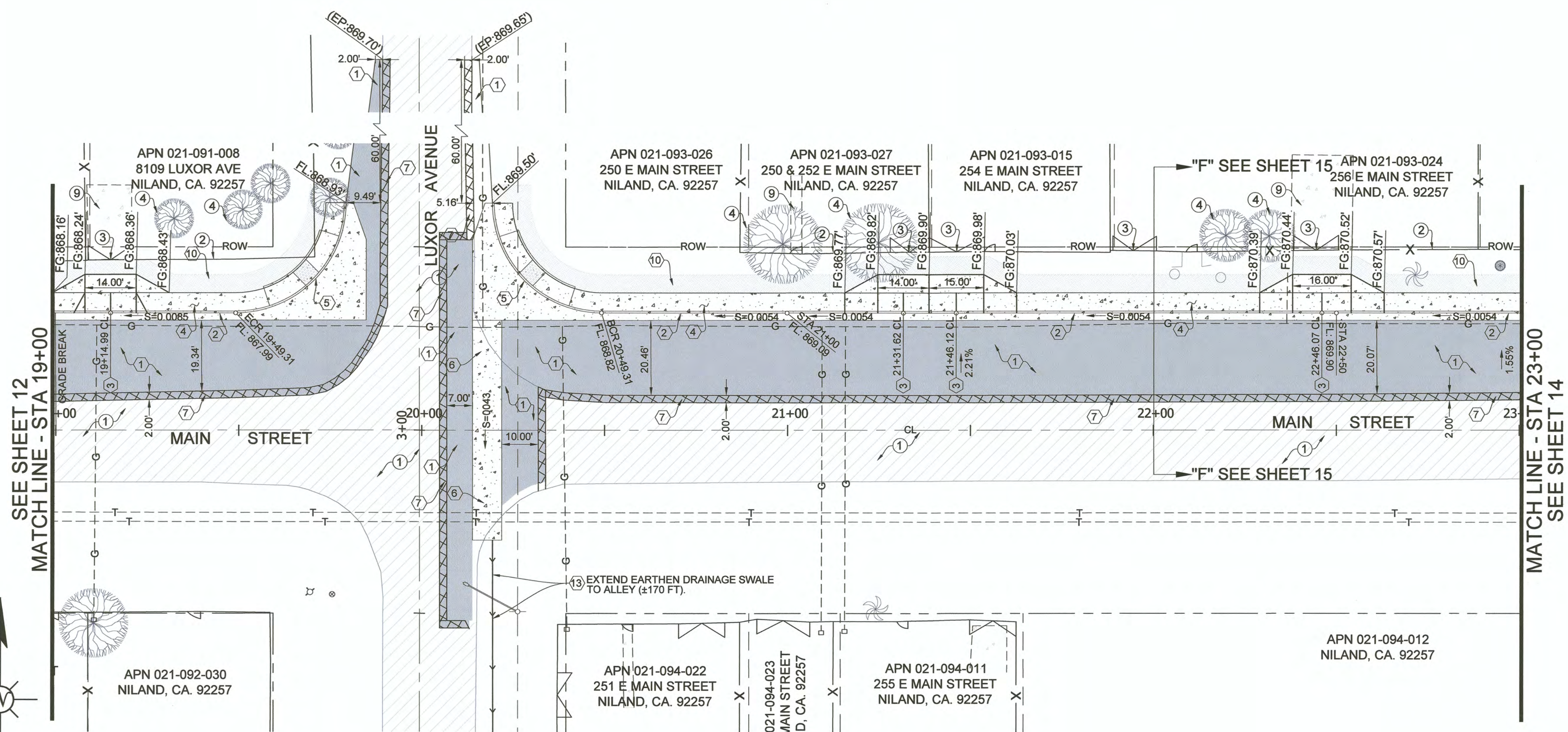
NORTH FLOWLINE PROFILE

EXISTING KEYNOTES:

- ① EXISTING A.C. PAVEMENT TO REMAIN.
- ② EXISTING FENCE REMAIN.
- ③ EXISTING GATE TO REMAIN.
- ④ EXISTING TREES AND BRUSH TO REMAIN.
- ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
- ⑥ EXISTING SIGN TO REMAIN.
- ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
- ⑧ EXISTING UTILITY BOX TO REMAIN.
- ⑨ EXISTING SIDEWALK TO REMAIN.
- ⑩ EXISTING CURB TO REMAIN.

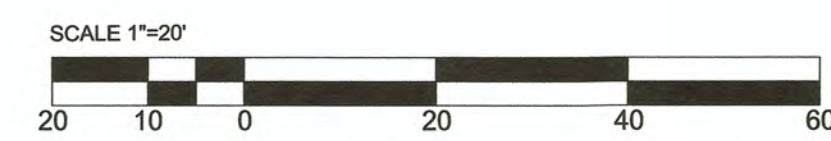
CONSTRUCTION KEYNOTES

- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
- ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
- ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
- ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
- ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
- ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
- ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
- ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
- ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5- FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
- ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
- ⑫ N/A
- ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
- ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN A90B DETAIL.



SEE SHEET 12
MATCH LINE - STA 19+00

MATCH LINE - STA 23+00
SEE SHEET 14



Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL, CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES ⑨ ⑭ UPDATED DEMOLITION KEYNOTE ⑭ |

REGISTERED PROFESSIONAL ENGINEER
CARLOS BELTRAN
 No. 69121
 EXP. 6-30-24
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121
 R.C.E. No.
 06/30/2024
 REG. EXP.
 DATE: 11/19/23

REGISTERED PROFESSIONAL ENGINEER
JOHN A. GAY
 No. 62028
 Exp. 9-30-25
 CIVIL
 STATE OF CALIFORNIA

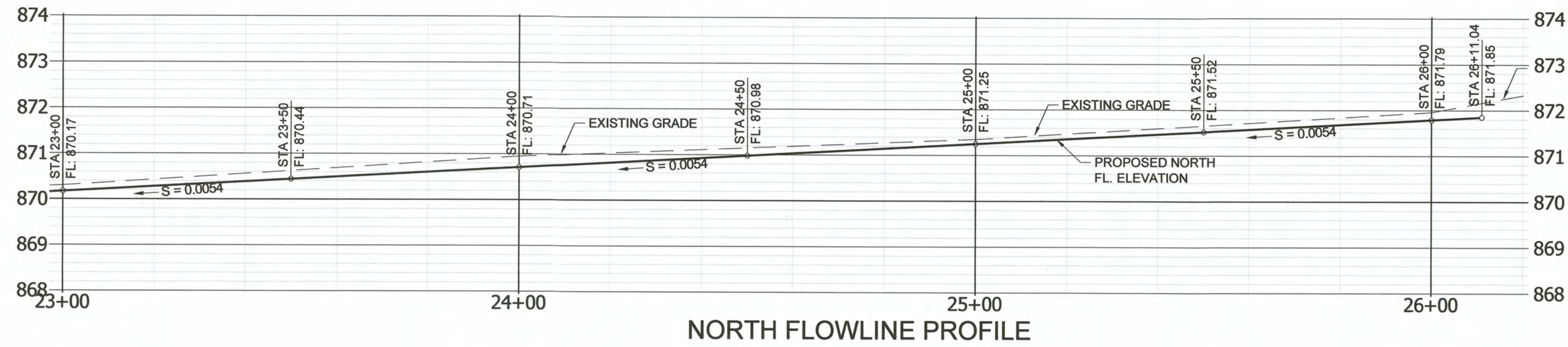
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028
 R.C.E. No.
 09/30/2025
 REG. EXP.
 DATE: 11/13/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

| | |
|---------|------------|
| DATE | 11/13/2023 |
| DRAWN | DB, FM |
| SCALE | AS SHOWN |
| CHECKED | CB |

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

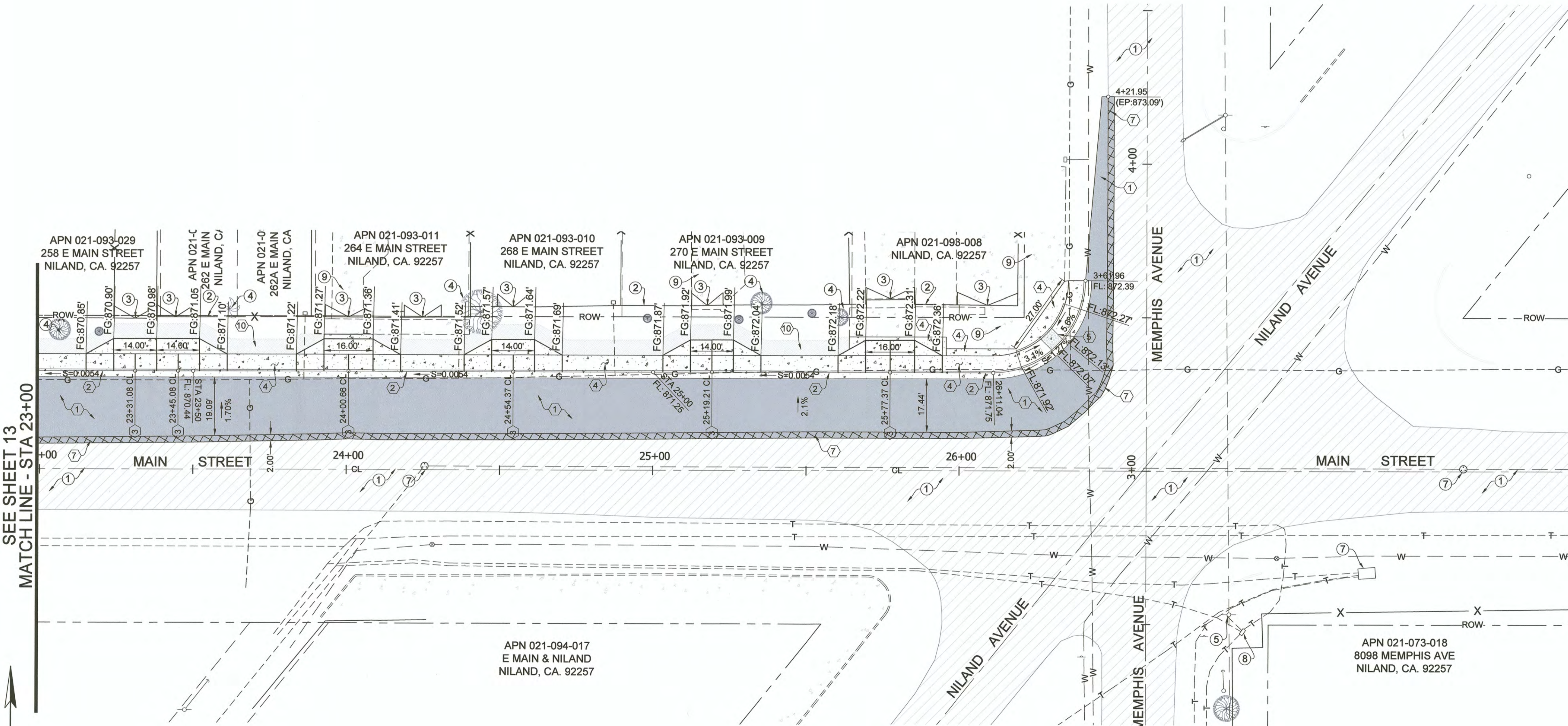
| | |
|---|----------------------|
| MAIN STREET IMPROVEMENT PLANS STA 19+00 TO STA 23+00 | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| | PAGE 13 OF 19 |



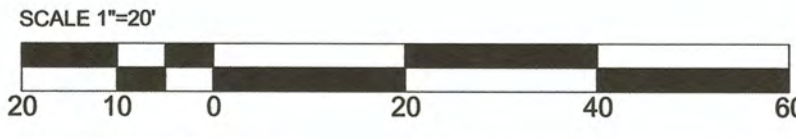
NORTH FLOWLINE PROFILE

- EXISTING KEYNOTES:**
- ① EXISTING A.C. PAVEMENT TO REMAIN.
 - ② EXISTING FENCE REMAIN.
 - ③ EXISTING GATE TO REMAIN.
 - ④ EXISTING TREES AND BRUSH TO REMAIN.
 - ⑤ EXISTING POWER/TELEPHONE/LIGHT POLE TO REMAIN.
 - ⑥ EXISTING SIGN TO REMAIN.
 - ⑦ EXISTING UTILITY MANHOLE TO REMAIN.
 - ⑧ EXISTING UTILITY BOX TO REMAIN.
 - ⑨ EXISTING SIDEWALK TO REMAIN.
 - ⑩ EXISTING CURB TO REMAIN.

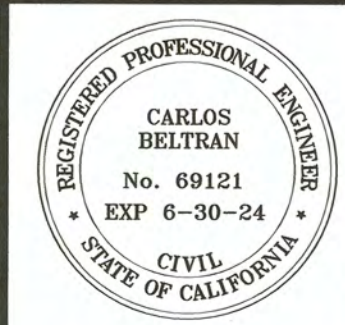
- CONSTRUCTION KEYNOTES:**
- ① INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
 - ② INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
 - ③ INSTALL P.C.C. DRIVEWAY PER COUNTY DETAIL DWG NO. 410A. SEE SHEET 16.
 - ④ INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
 - ⑤ INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER DETAIL 7 ON SHEET 17.
 - ⑥ INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
 - ⑦ INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.
 - ⑧ ADJUST THE EXISTING WATER VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑨ THE CONTRACTOR SHALL COORDINATE WITH SOUTHERN CALIFORNIA GAS COMPANY THE ADJUSTMENT OF THE EXISTING GAS VALVE RISER TO FINISH PAVEMENT GRADE. AFTER PAVING OPERATION ARE COMPLETE PLACE AN 8-INCH WIDE, 8-INCH DEEP, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE GAS VALVE RISER PER DETAIL 2 ON SHEET 17.
 - ⑩ AFTER THE PLACEMENT OF THE P.C.C. SIDEWALK IS COMPLETED PLACE NATIVE MATERIAL 0.05 FEET BELOW P.C.C. SIDEWALK SURFACE FOR A HORIZONTAL DISTANCE OF 5 FEET TO DAY LIGHT OR AS ILLUSTRATED BY THE HATCH AREA (EXISTING GRADE). COMPACT NATIVE MATERIAL TO 85% PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE SURFACE OF THE NATIVE MATERIAL AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. SEE DETAIL 1 ON SHEET 17.
 - ⑪ REMOVE AND RELOCATE EXISTING POWER POLE (W/ STREET LIGHT AND GUY WIRE) BY OTHERS.
 - ⑫ N/A
 - ⑬ CONSTRUCT EARTHEN DRAINAGE "V" SWALE PER DETAIL 4 ON SHEET 16.
 - ⑭ INSTALL P.C.C. ON STREET ACCESSIBLE PARKING AND RAMP PER CALTRANS STANDARD PLAN A908 DETAIL.



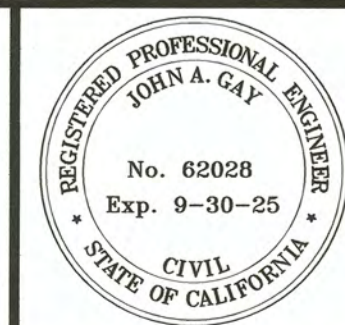
SEE SHEET 13
MATCH LINE - STA 23+00



| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 69121 R.C.E. No.
 06/30/2024 REG. EXP.
 DATE: 11/13/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 62028 R.C.E. No.
 09/30/2025 REG. EXP.
 DATE: 11/13/23



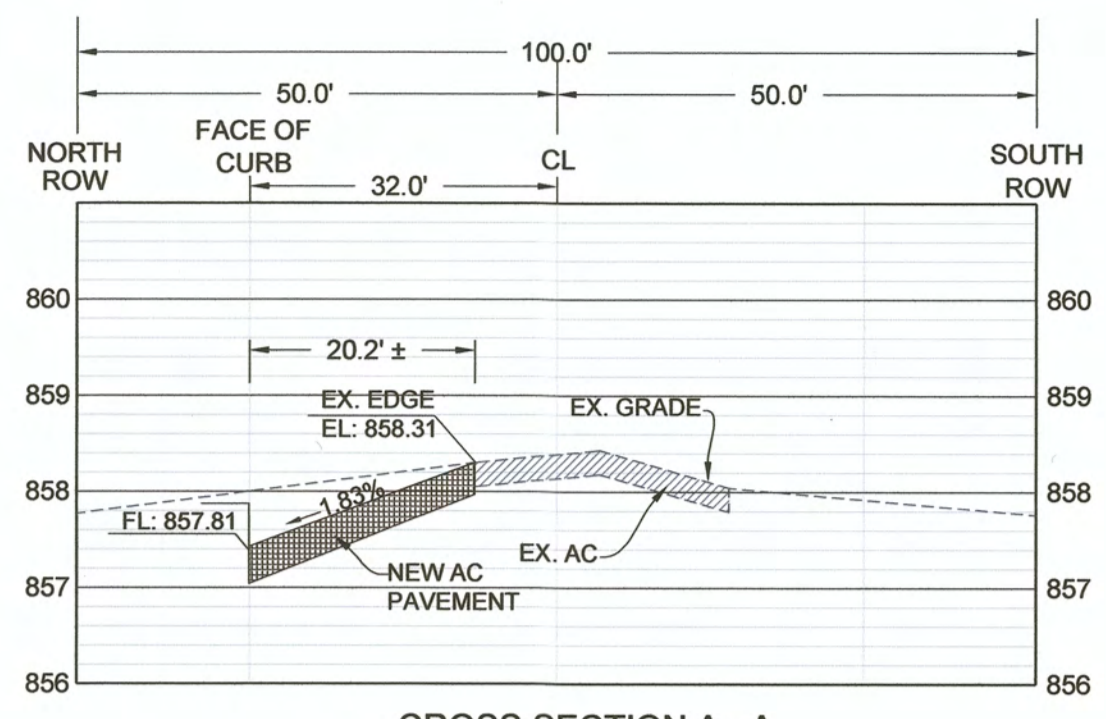
DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

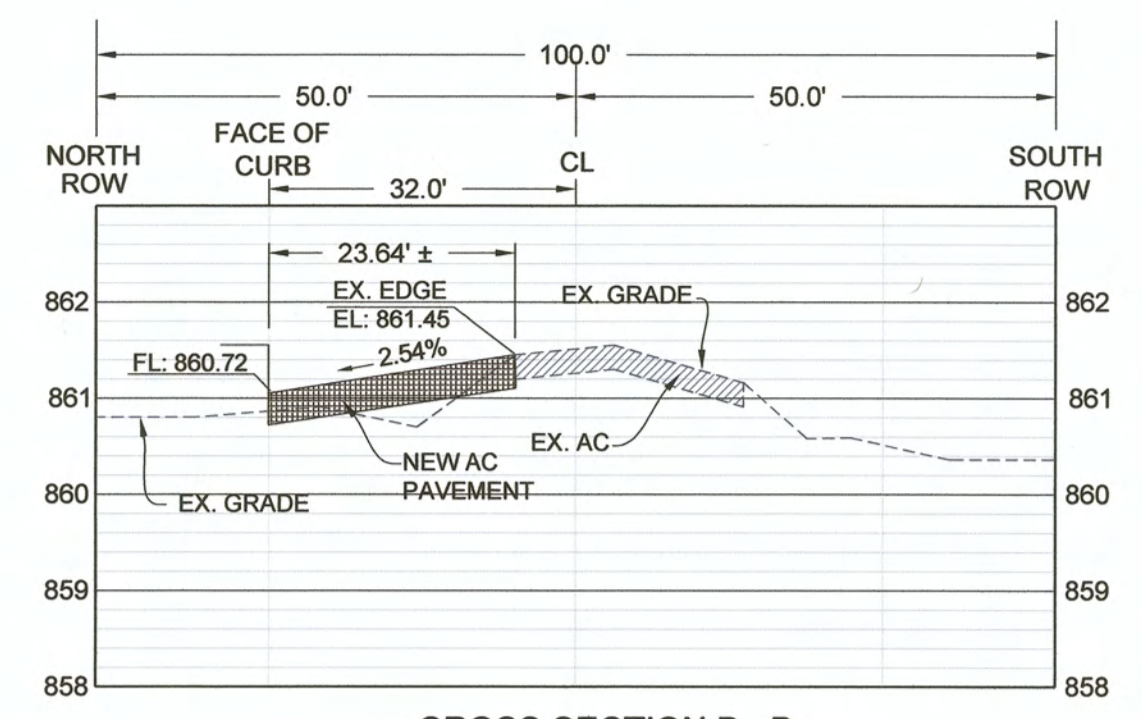


CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA. 92251
 TEL (760) 545-0162 FAX (760) 545-0183

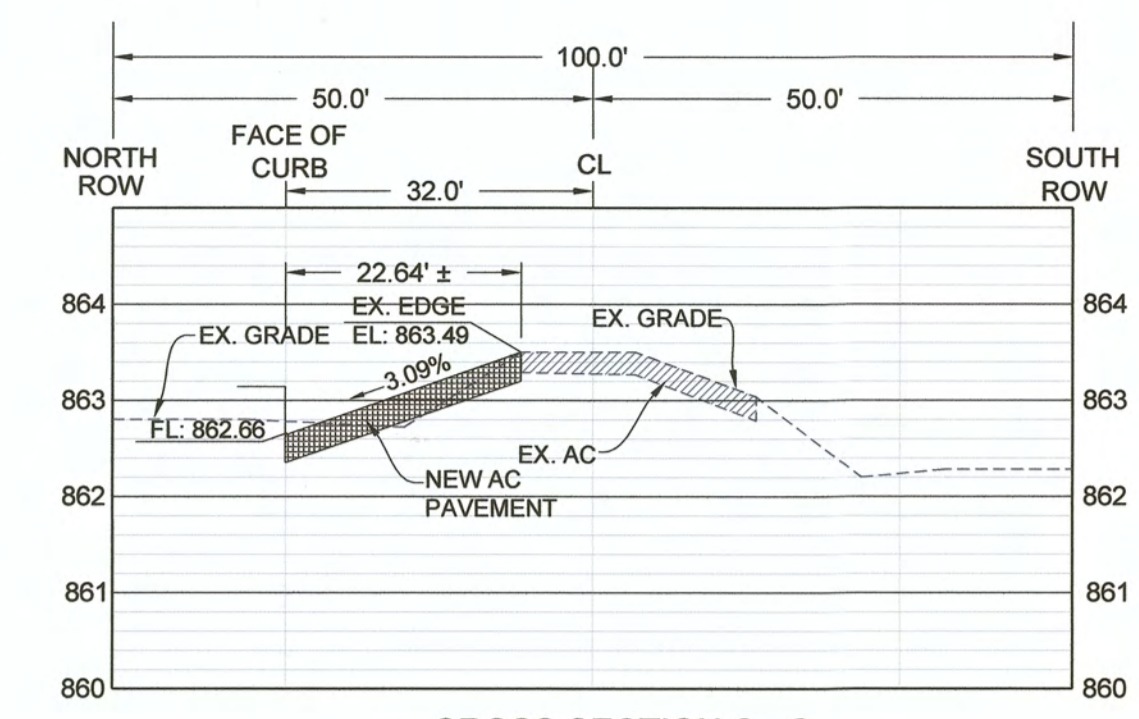
| | |
|--|------------------|
| MAIN STREET IMPROVEMENT PLANS STA 23+00 TO STA 27+00 | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 14 OF 19 | |



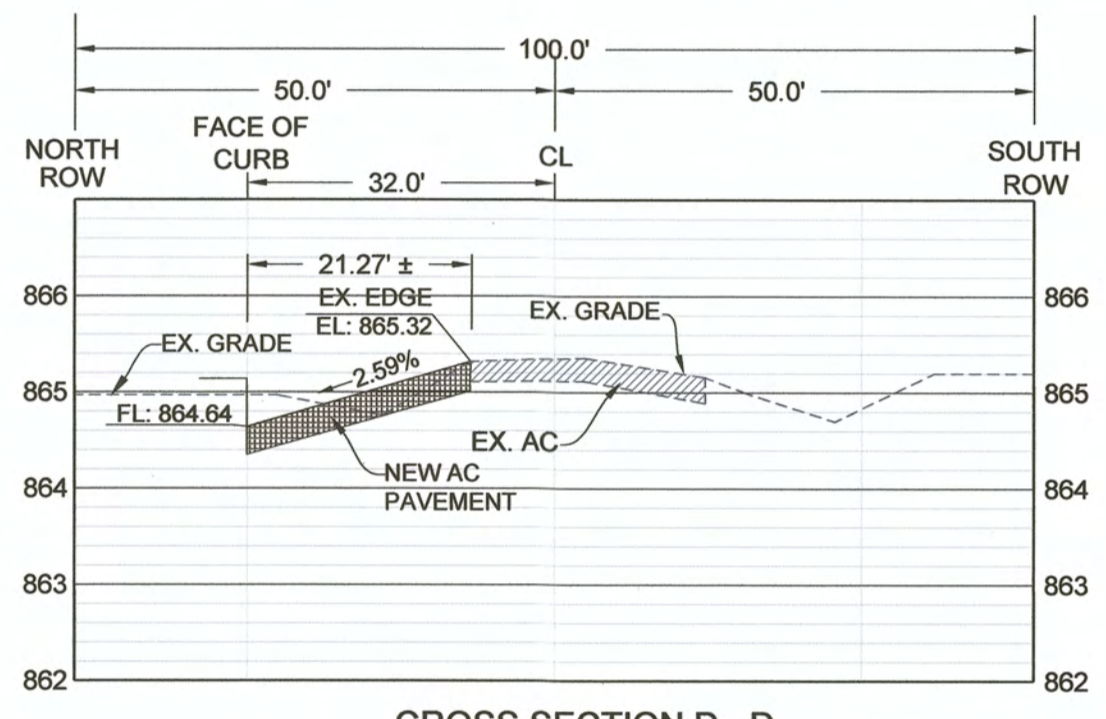
CROSS SECTION A - A
STA 2+00



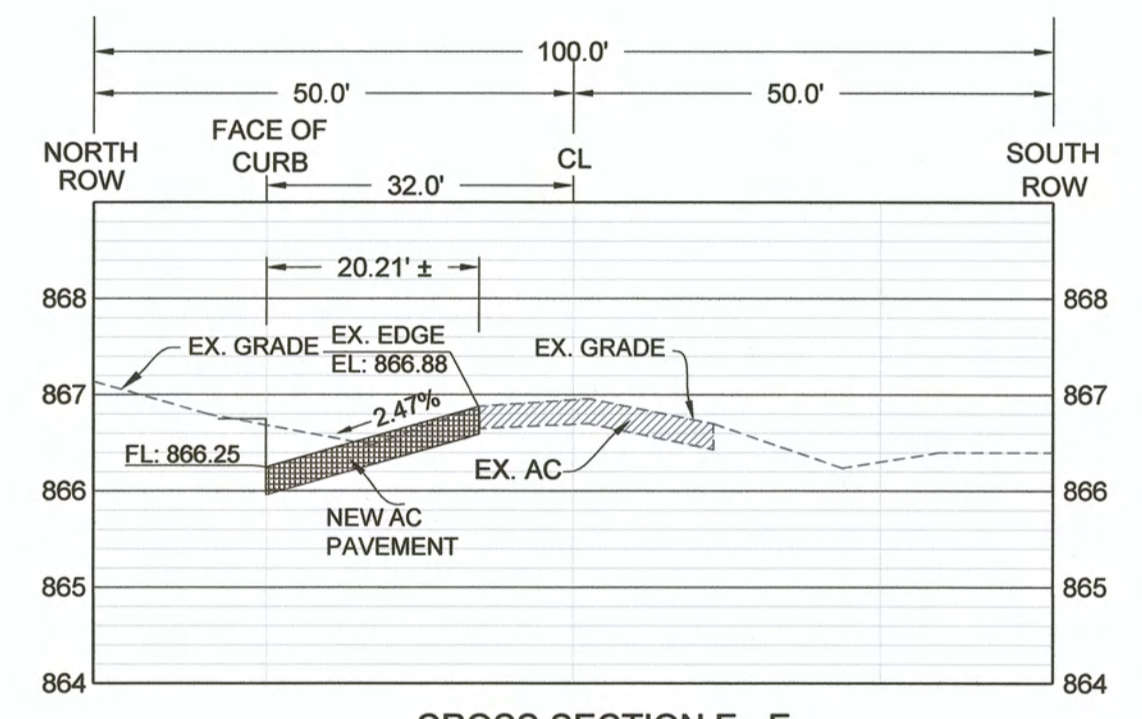
CROSS SECTION B - B
STA 6+00



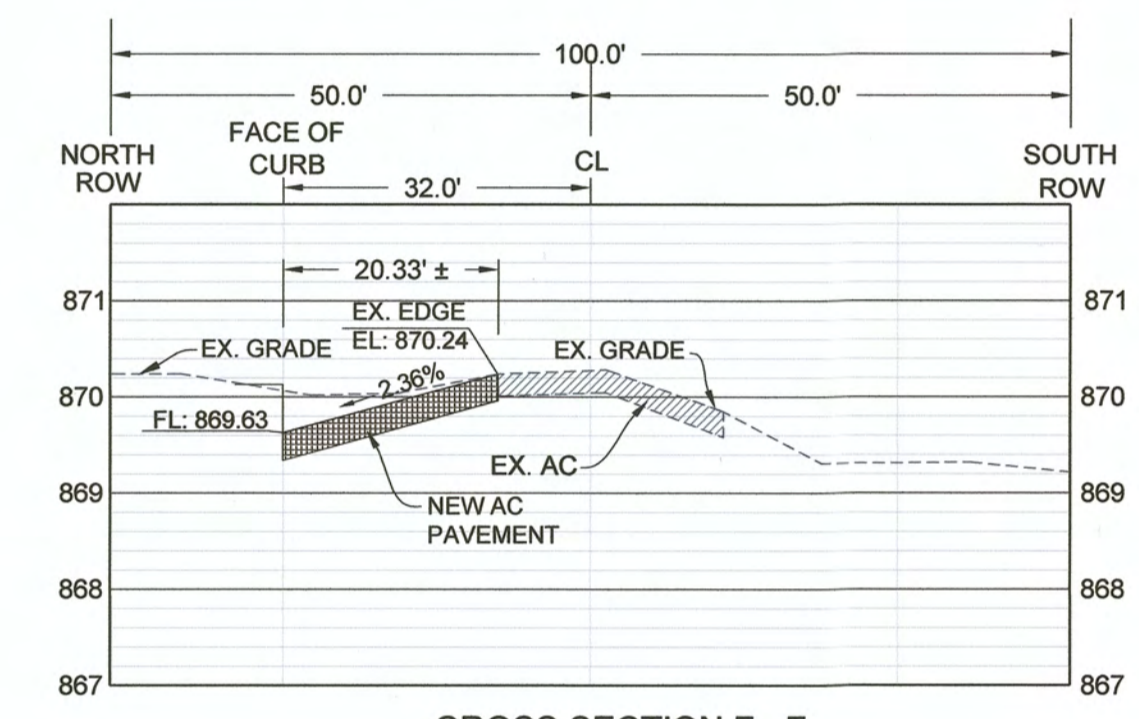
CROSS SECTION C - C
STA 9+00



CROSS SECTION D - D
STA 12+00



CROSS SECTION E - E
STA 16+00



CROSS SECTION F - F
STA 22+00

Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121
 Exp. 6-30-24
 CIVIL ENGINEER
 STATE OF CALIFORNIA



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028
 Exp. 9-30-25
 CIVIL ENGINEER
 STATE OF CALIFORNIA

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 11/13/2023
 DRAWN: DB, FM
 SCALE: AS SHOWN
 CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

| CROSS SECTIONS | |
|------------------|------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| | PAGE 15 OF 19 |

WEAKENED PLANE JOINT
AT 15'-0" O.C. (TYP.)

EXPANSION JOINT
AT 45'-0" O.C. (TYP.)

CURB AND GUTTER SECTION

NOTES:
1. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.S, E.C.S CURB RETURNS AND STRUCTURES IN ADDITION TO 45' O.C.
2. CURB AND GUTTER SHALL BE CLASS "3" CONCRETE WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD.
3. WIDTH OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINES UNLESS OTHERWISE INDICATED.
4. CURING COMPOUND SHALL BE APPLIED UNIFORMLY ON EXPOSED SURFACES. HYDRO-CURE CLEAR CC-309-1W, OR APPROVED EQUAL.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING SHALL BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINT MAY BE SAWCUT.
6. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE THE PUBLIC SAFETY.
7. ALL EXPOSED SURFACES TO HAVE A SMOOTH TROWEL FINISH. DRY SACK FINISH WILL NOT BE ALLOWED.
8. 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 0.02' FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FEET SECTION. THE HORIZONTAL CURB EDGES SHALL NOT VARY MORE THAN 1/4" INCH IN ANY GIVEN 100 FOOT SECTION.

COUNTY of IMPERIAL
DEPARTMENT of PUBLIC WORKS
EL CENTRO, CALIFORNIA

CURB AND GUTTER DETAIL

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

DRIVEWAY ACCESS DETAIL

NOTES:
1. SUBGRADE TO BE 12" COMPACTED TO 90% OF MAXIMUM DENSITY AND MAINTAIN A MOISTURE CONTENT OF (18% +/- 2%) FOR ALL LOCATIONS UNDERNEATH CONCRETE.
2. WEAKENED PLANE JOINTS REQUIRED ON DRIVEWAY CENTER LINE.
3. FOR JOINTS DETAILS SEE COUNTY STD. DWG. 400
4. WIDTH AND LOCATION AS DIRECTED BY OWNER AND APPROVED BY THE COUNTY ENGINEER OR HIS REPRESENTATIVE.
5. ENCROACHMENT PERMIT REQUIRED FROM COUNTY PUBLIC WORKS DEPT. FOR DRIVEWAY. FOR FUTURE MAINTENANCE OF DRIVEWAY AND SIDEWALK IS THE RESPONSIBILITY OF FRONTING LANDOWNER.
6. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS," INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE PUBLIC SAFETY.
7. CONCRETE 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

DRIVEWAY ACCESS DETAIL

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

CONTIGUOUS SIDEWALK DETAIL

NOTE:
1. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE PUBLIC SAFETY.
2. EXPANSION JOINTS TO BE INSTALLED AT ALL B.C.S, E.C.S, CURB RETURNS AND STRUCTURES IN ADDITION TO 45' O.C.
3. FOR JOINTS DETAILS SEE GATEWAY STD. DWG. 400
4. SIDEWALK AND CURB SHALL NOT BE POURED MONOLITHIC.
5. SUBGRADE SHALL BE 8" INCHES MINIMUM OF 95% OF ASTM D1557 MAXIMUM DRY DENSITY
6. CONTIGUOUS SIDEWALK SHALL BE CLASS "3" CONCRETE WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI IN ACCORDANCE WITH ASTM C39/C39M-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 DETAIL

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

CONCRETE SCORING DETAILS

NOTES:
1. EXPANSION JOINTS, 1/2" THICK, SHALL BE PLACED AT THE B.C. AND E.C. OF ALL RETURNS, AT THE OUTER EDGES OF DRIVEWAYS INCLUDING "C" DISTANCES, AND AT UNIFORM INTERVALS.
2. SCORING LINES, 1/2" DEEP, SHALL BE CONSTRUCTED IN CURBS AT LOCATIONS OF WEAKENED PLANE JOINTS IN THE GUTTER AND IN THE WALK AS SHOWN.
3. WEAKENED PLANE JOINT, ONE INCH DEEP, SHALL BE CONSTRUCTED AT EQUAL SPACING BETWEEN JOINTS IN WALKS AND GUTTERS. JOINTS SHALL BE MADE WITH A BRASS CP-314 TOOLING DEVICE AS MANUFACTURED BY KEARF TOOL COMPANY, KANSAS CITY, MISSOURI OR APPROVED EQUAL.
4. JOINTS IN THE CURB AND GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE WALK.
5. LONGITUDINAL SCORING LINES WILL BE REQUIRED IN WALKS WIDER THAN 10 FEET.
6. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS "MUSHROOMS" INSTALLED AT ALL TIMES DURING USE, TO ADEQUATELY INSURE THE PUBLIC SAFETY.

COUNTY of IMPERIAL
DEPARTMENT of PUBLIC WORKS
EL CENTRO, CALIFORNIA

CONCRETE SCORING DETAILS

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

EARTHEN DRAINAGE "V" SWALE DETAIL

NOTES:
EARTHEN DRAINAGE SWALE CAN BE FIELD LOCATED TO AVOID CONFLICTS WITH EXISTING INFRASTRUCTURE. DISTANCE FROM EDGE OF PAVEMENT TO CENTER OF SWALE SHOWN ON DETAIL IS APPROXIMATE.

BLOW-UP DETAIL "A"

CONSTRUCTION KEYNOTES:
1. INSTALL 4 INCHES OF ASPHALT CONCRETE OVER 18 INCHES OF CLASS II AGGREGATE BASE. AGGREGATE BASE SHALL BE PLACED OVER 12 INCHES OF MOISTURE CONDITIONED NATIVE MATERIAL COMPACTED TO 90% OF ASTM D1557 IN 6 INCH MAXIMUM LIFTS.
2. INSTALL P.C.C. 6-INCH CURB AND GUTTER PER COUNTY DETAILS DWG NO. 400 AND DWG NO. 444. SEE SHEET 16.
3. INSTALL P.C.C. SIDEWALK PER COUNTY DETAILS DWG NO. 420 AND DWG NO. 444. SEE SHEET 16.
4. INSTALL P.C.C. PEDESTRIAN RAMP AND CURB RETURN PER CALTRANS STANDARD PLAN A88A DETAIL CASE "C". SEE DETAIL 7 ON SHEET 16.
5. INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
6. INSTALL P.C.C. CROSS GUTTER AND SPANDREL PER DETAILS 5 AND 6, SEE SHEET 17.
7. INSTALL PAVEMENT EXTENSION JOINT PER DETAIL 3, SEE SHEET 17.

SCALE 1"=5'

Dynamic CONSULTING ENGINEERS

CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
IMPERIAL, CA. 92251
TEL. (760) 545-0162 FAX (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |

PREPARED UNDER THE DIRECT SUPERVISION OF:

CARLOS BELTRAN
No. 69121
Exp. 9-30-24
CIVIL ENGINEER
STATE OF CALIFORNIA

69121 R.C.E. No.
06/30/2024 REG. EXP.

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

JOHN A. GAY
No. 62028
Exp. 9-30-25
CIVIL ENGINEER
STATE OF CALIFORNIA

62028 R.C.E. No.
09/30/2025 REG. EXP.

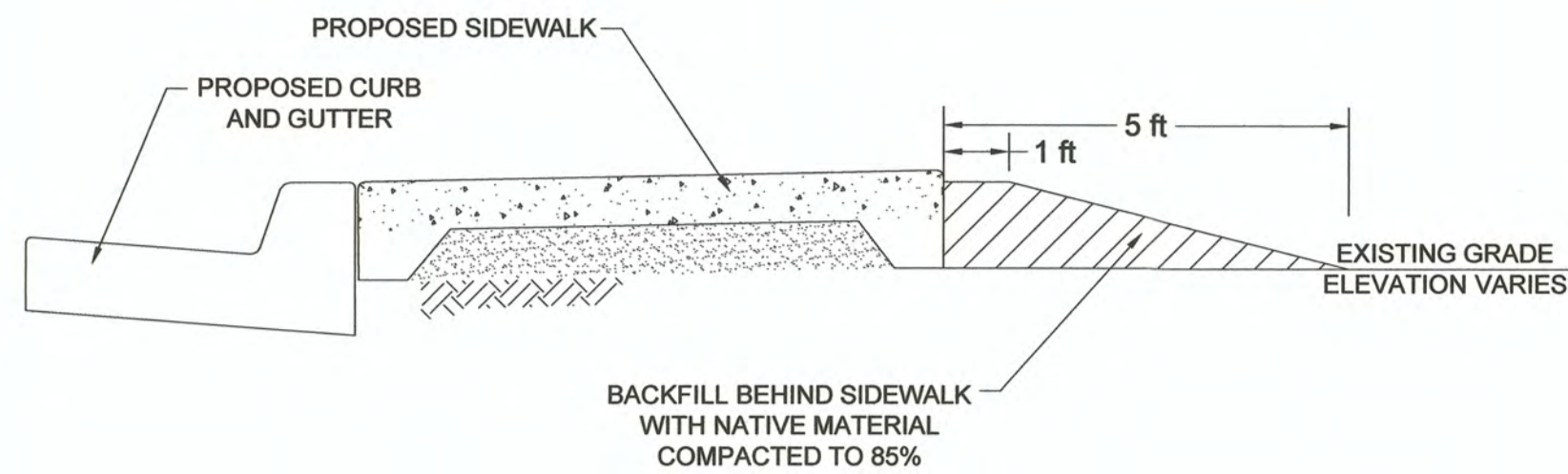
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 11/13/23
DRAWN: DB, FM
SCALE: AS SHOWN
CHECKED: CB

NILAND MAIN ST. IMPROVEMENTS NORTH
FROM HWY 111 TO MEMPHIS AVE.
FEDERAL AID PROJECT NO. CML 5958(119)
COUNTY PROJECT NO. 6601
DCE PROJECT NO. 127521

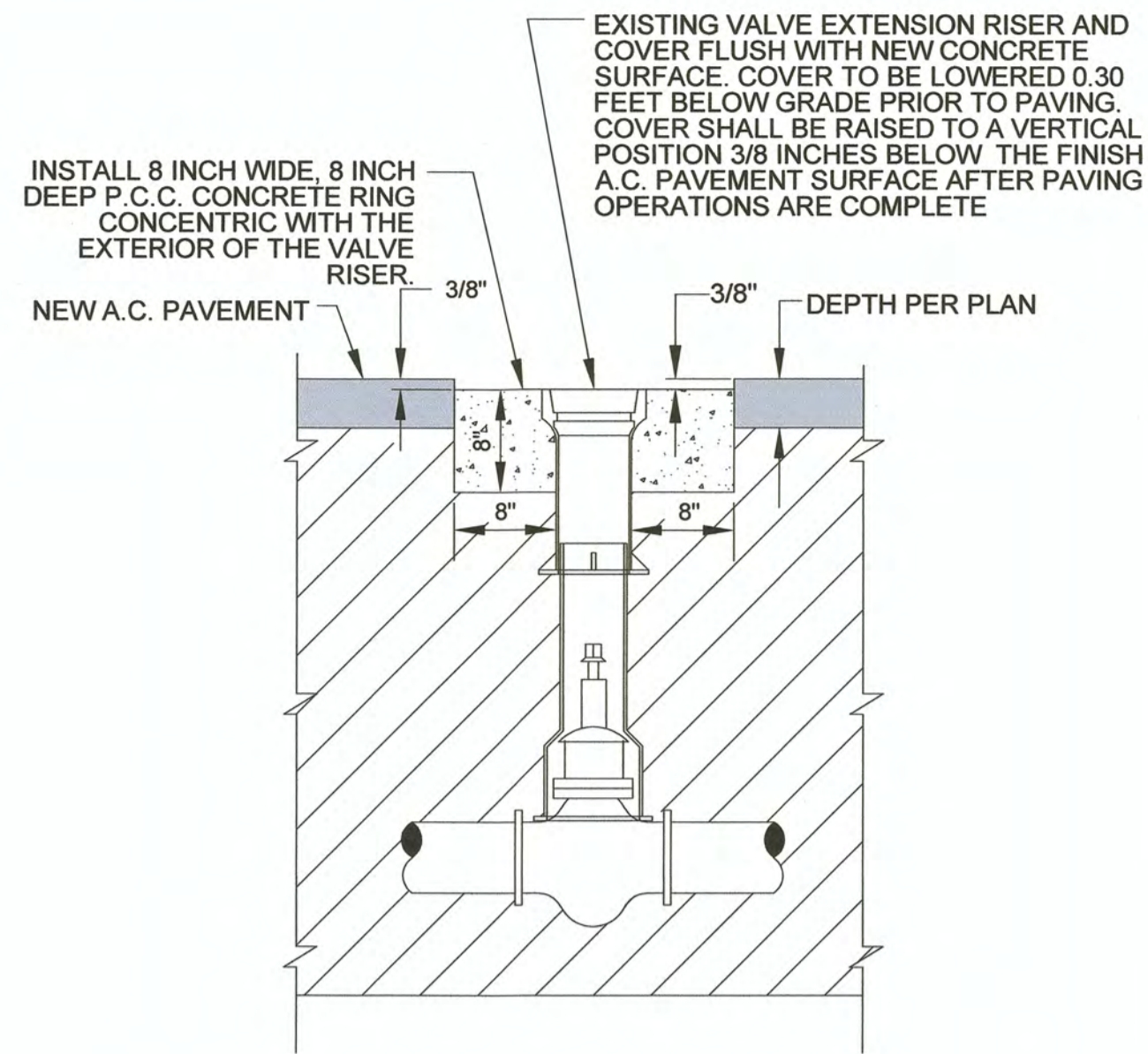
DETAILS

PROJECT NO. 6601
PAGE 16 OF 19



BEHIND SIDEWALK BACKFILL DETAIL

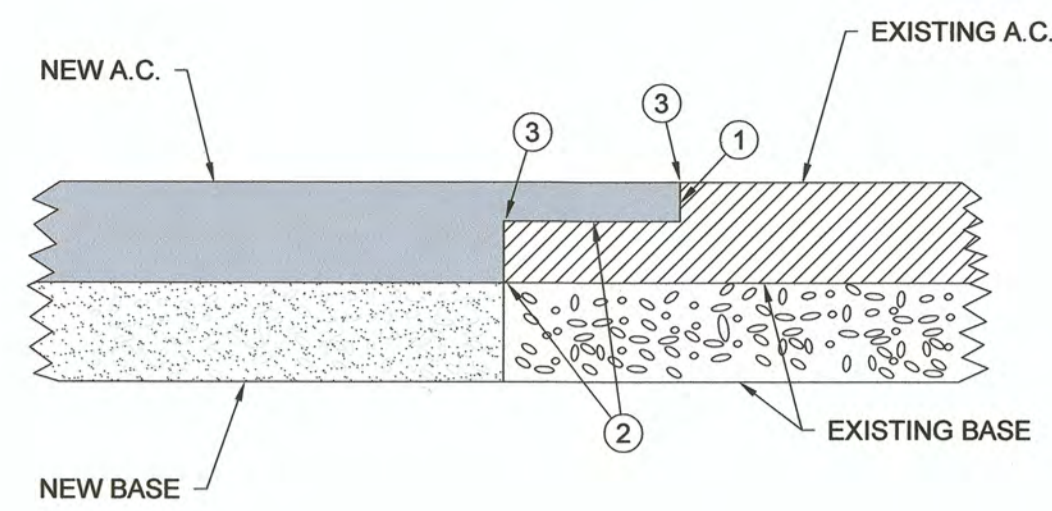
1



NOTES:
1. CONCRETE SHALL BE 4,000 PSI TYPE V CEMENT.

VALVE RISER AND COVER ADJUSTMENT

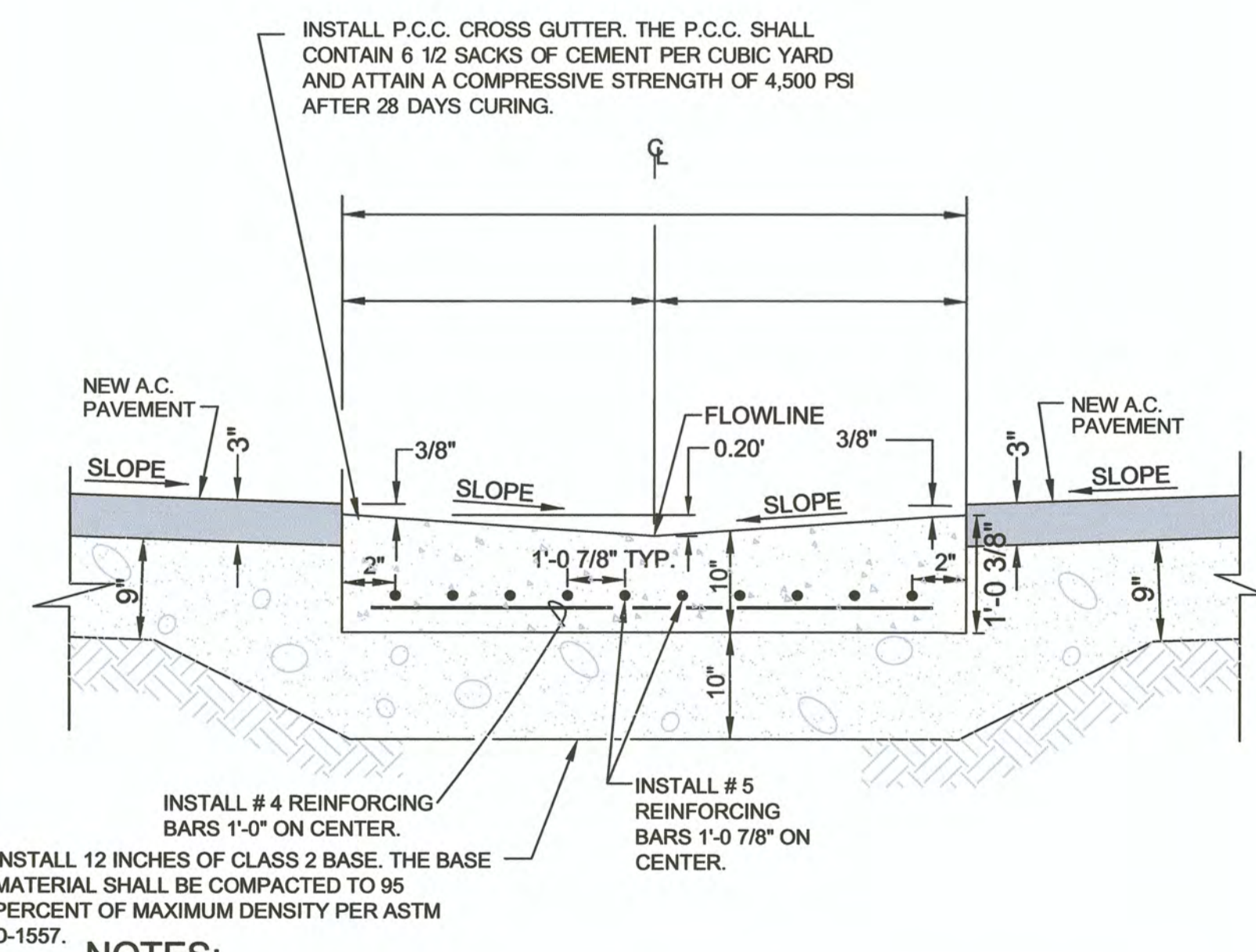
2



NOTES:
① GRIND 2' WIDE X 0.20' DEEP HEADER FULL LENGTH OF JOINT.
② TACK COAT ENTIRE SURFACE WITH AR 1000 PAVING ASPHALT AT AN APPROXIMATE RATE OF 0.05 GALLON PER SQUARE YARD OR GRADE SS-IH EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.01 GALLON GALLON PER SQUARE YARD SHALL BE UNIFORMLY APPLIED UPON THE EXISTING PAVEMENT PRECEDING THE PLACEMENT OF THE ASPHALT CONCRETE. THE SURFACE SHALL BE FREE OF WATER, FOREIGN MATERIAL OR DUST, WHEN THE TACKCOAT IS APPLIED.
③ OVERLAY HEADER AREA TO MATCH NEW & EXISTING A.C. SURFACES.
④ WHEN PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER (AS HERE IS DESCRIBED) MUST BE PROVIDED AT THE CONSTRUCTION JOINT.

NEW CONSTRUCTION PAVEMENT EXTENSION JOINT

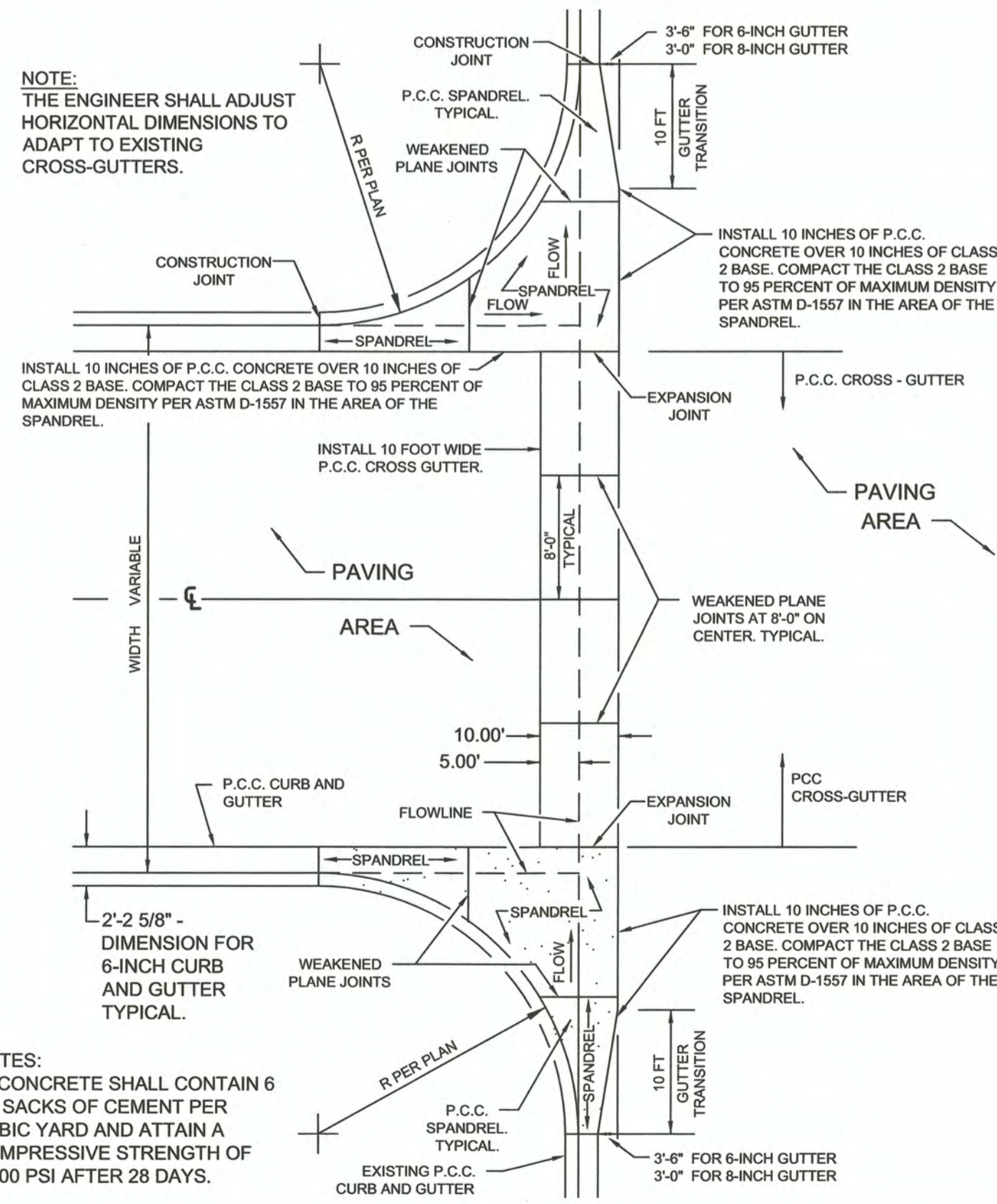
3



NOTES:
1 PLACE WEAKENED PLANE JOINTS EVERY 8 FEET ON CENTER ALONG THE CROSS GUTTER.
2 THE CROSS GUTTER EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURRING IN ANY GIVEN 10 FOOT SECTION.

CROSS GUTTER DETAIL

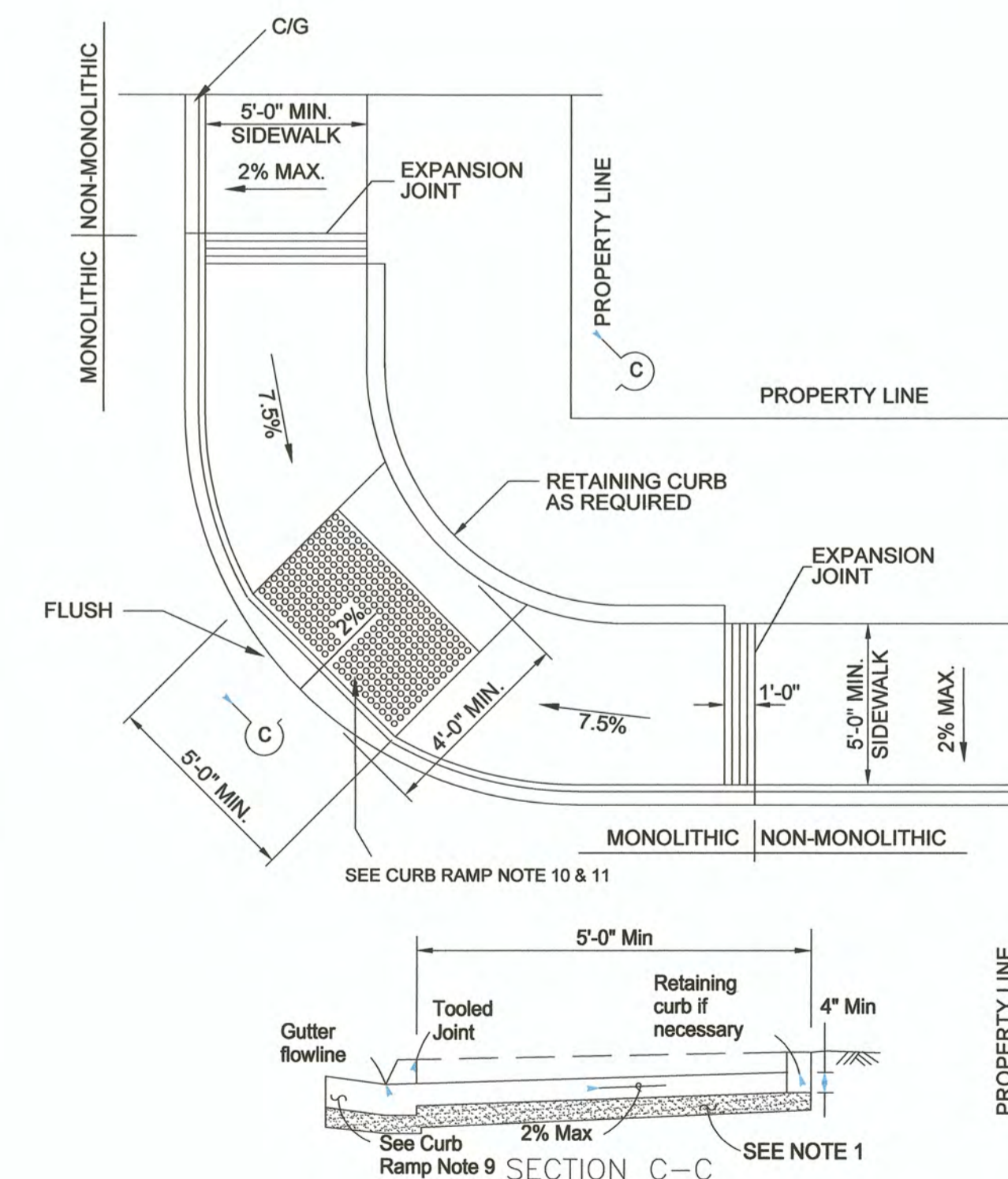
5



NOTES:
1. CONCRETE SHALL CONTAIN 6 1/2 SACKS OF CEMENT PER CUBIC YARD AND ATTAIN A COMPRESSIVE STRENGTH OF 4,500 PSI AFTER 28 DAYS.

SPANDREL DETAIL

6

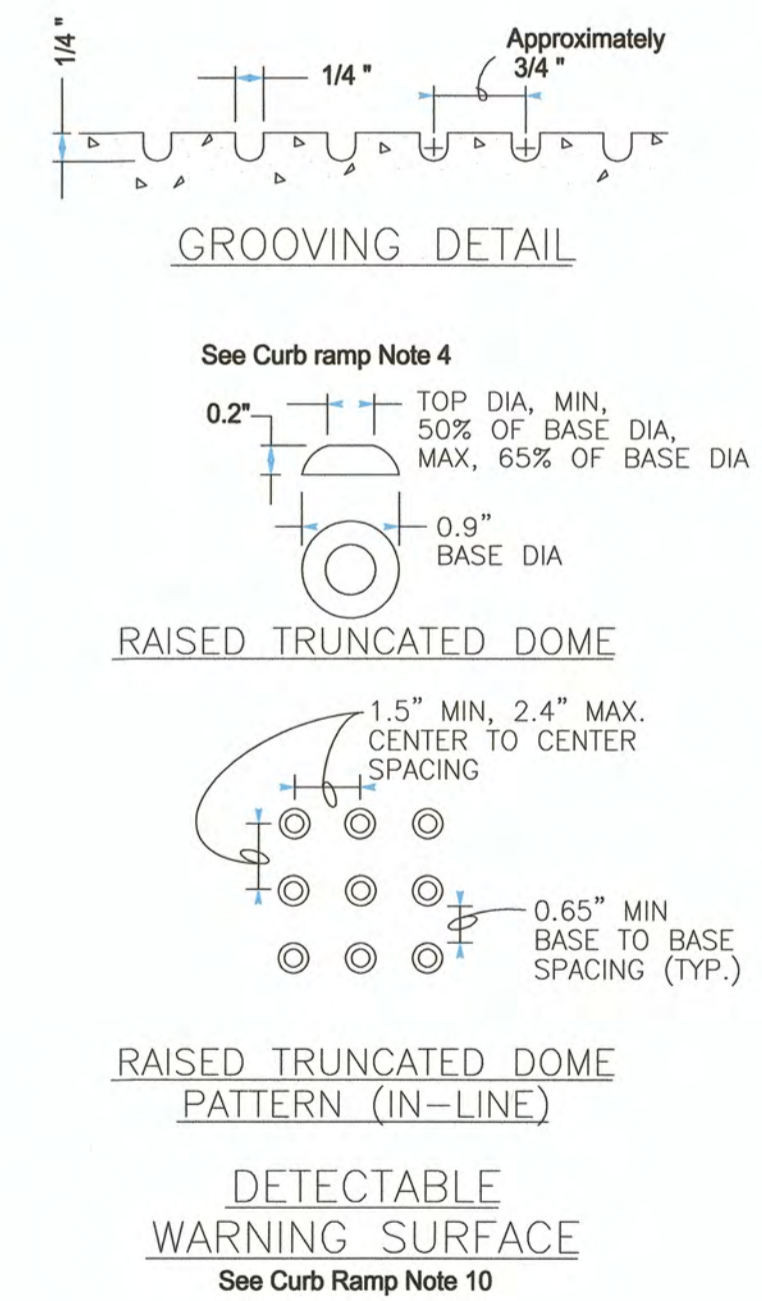


CURB RAMP DETAIL

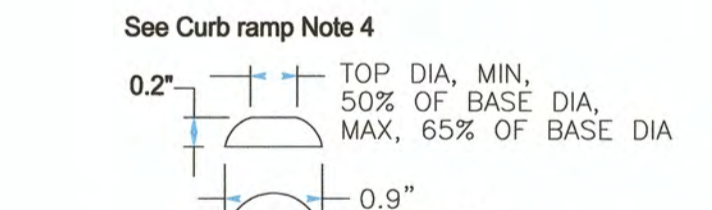
7

CURB RAMP NOTES

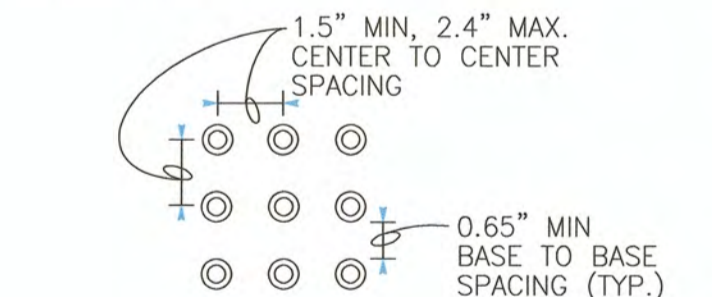
- Sidewalk and ramp shall be 4 inches P.C.C. and attain 4,000psi compressive strength after 28 day curing. Concrete shall be placed over 6" Class II base. Subgrade shall be scarified and recompact to 90% max. dry density per ASTM 1557 with optimal moisture.
- N/A
- When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B of the CALTRANS 2018 Revised Std. Plan RSP A88A & A88B .
- Prior to construction, the contractor shall determine and locate the existing right of way at curb ramps, see note 2 above. Modifications to the ramps shown is at the discretion of the City Engineer.
- If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-0".
- Side slope of ramp flares vary uniformly from a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C.
- The curb ramp shall be outlined, as shown, with a 12" wide border with 1/4" grooves approximately 3/4" on center. See grooving detail.
- Transitions from ramps to walks, gutters or streets shall be flush and free of abrupt changes.
- Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp and continuous passage to the curb ramp shall not exceed 5 percent within 4'-0" of the top or bottom of the curb ramp.
- Curb ramps shall have a detectable safety yellow warning surface that extends the full width and 3'-0" depth of the ramp. Detectable Warning Surfaces shall conform to the details shown and the requirements in the Caltrans Special Provisions. Detectable warning surface shall be cast in place Polymer Composite/Fiberglass Rigid Panels. Surface applied systems are to be used only at retrofit conditions and with the approval of the City Engineer.
- The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
- Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the contractor prior to, or in conjunction with, curb ramp construction. Approval for relocation shall be obtained from the County Engineer.
- N/A
- Concrete curb ramp and adjoining curb gutter shall be placed monolithic.
- All details used and/or modified per CALTRANS 2018 Revised Std. Plan RSP A88A
- Reference CALTRANS 2018 Revised Std. Plan RSP A88A & A88B for other conditions. More stringent condition shall apply; City Engineer has ultimate discretion.
- New concrete shall be doweled into existing concrete using #4 bars @ 18" O.C.
- All ramps will have a 1'-0" wide asphalt patch with full depth HMA to match existing structural depth.



GROOVING DETAIL



RAISED TRUNCATED DOME



RAISED TRUNCATED DOME PATTERN (IN-LINE)

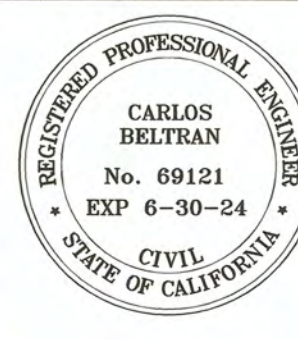
DETECTABLE WARNING SURFACE
See Curb Ramp Note 10

Dynamic CONSULTING ENGINEERS

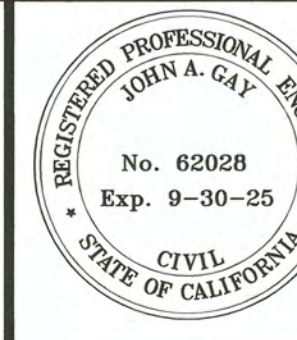
CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
IMPERIAL CA. 92251

TEL: (760) 545-0162 FAX: (760) 545-0163

| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
69121
R.C.E. No.
06/30/2024
REG. EXP.



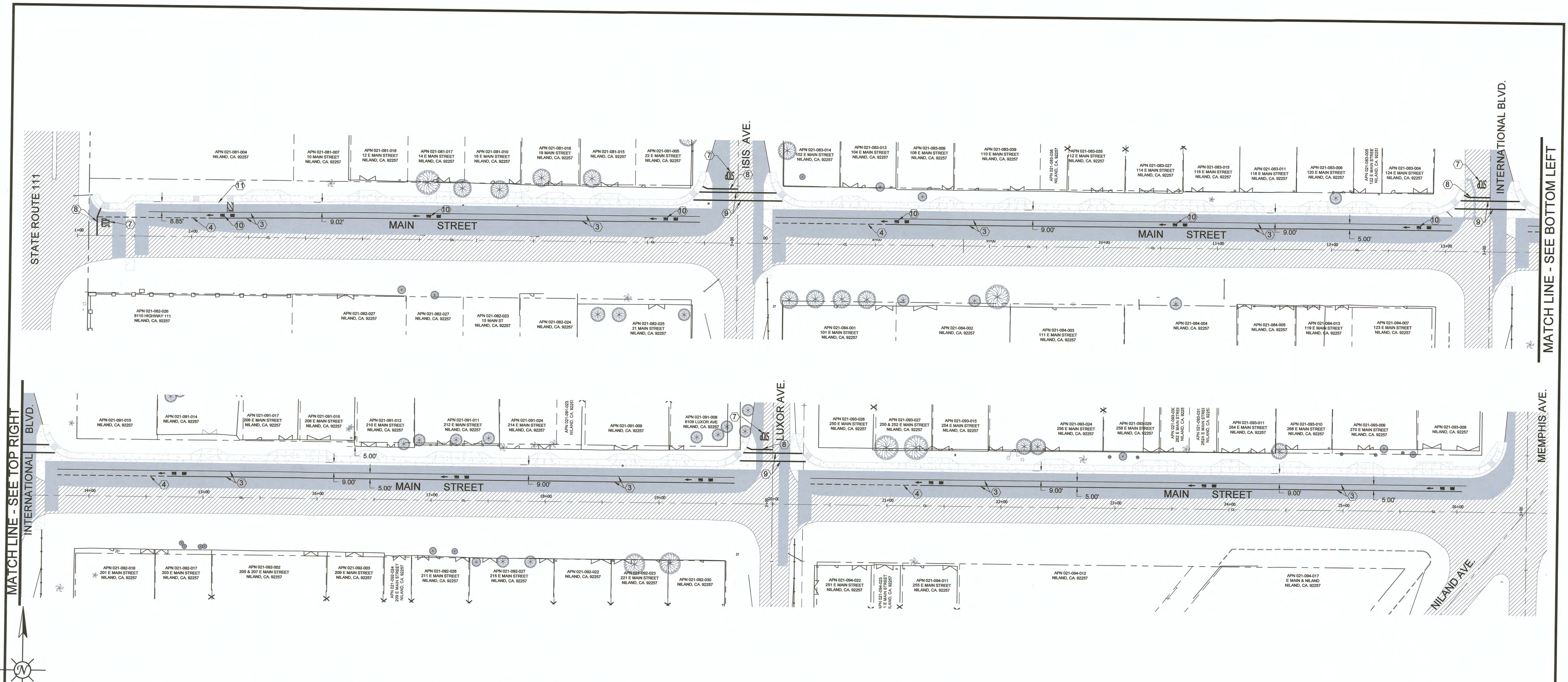
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay, P.E.
62028
R.C.E. No.
09/30/2025
REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 11/13/2023
DRAWN: DB, FM
SCALE: AS SHOWN
CHECKED: CB

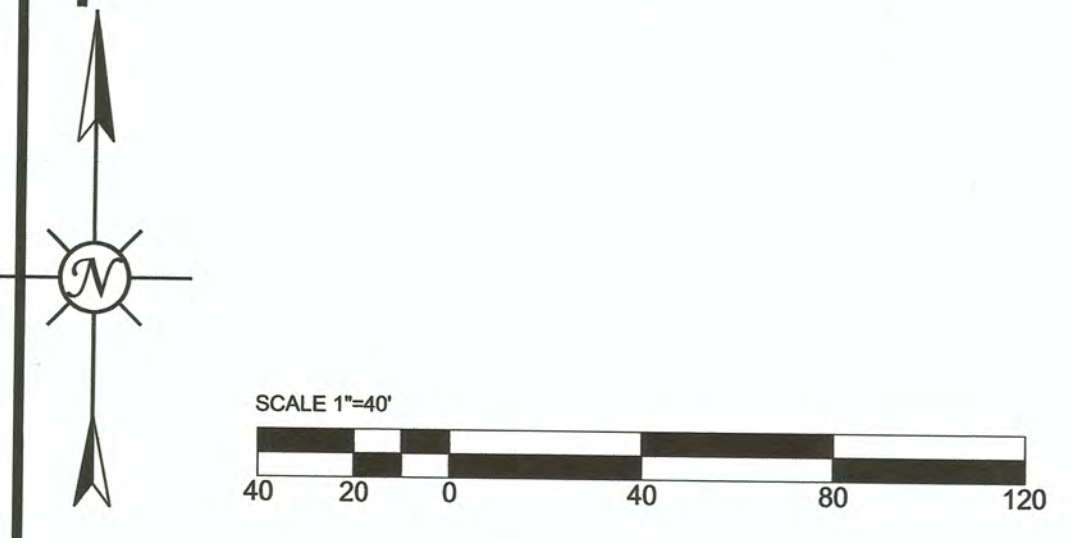
NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
FEDERAL AID PROJECT NO. CML 5958(119)
COUNTY PROJECT NO. 6601
DCE PROJECT NO. 127521

DETAILS
PROJECT NO. 6601
REFERENCE R-1002
PAGE 17 OF 19



MATCHLINE - SEE TOP RIGHT

MATCHLINE - SEE BOTTOM LEFT



LEGEND AND CONSTRUCTION NOTES:

- ③ INSTALL 6" WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39
- ④ INSTALL 6" WHITE INTERSECTION LINE BIKE LANE PER CALTRANS STANDARD PLAN A20D DETAIL 39A
- ⑦ INSTALL "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D
- ⑧ INSTALL LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E
- ⑨ INSTALL 12" WHITE BASIC CROSSWALK PER CALTRANS STANDARD PLAN A24F
- ⑩ INSTALL "BIKE LANE" AND ARROW PAVEMENT MARKING PER CA MUTCD FIGURE 9C-3, C WORD LEGEND.
- ⑪ PAINT "NO PARKING" LEGEND IN WHITE 12 INCH LETTERS PER CALTRANS STANDARD PLAN RSP A24E. PAINT 4 INCH WHITE DIAGONAL LINES 3 FT. OFF CENTER.

LEGEND:

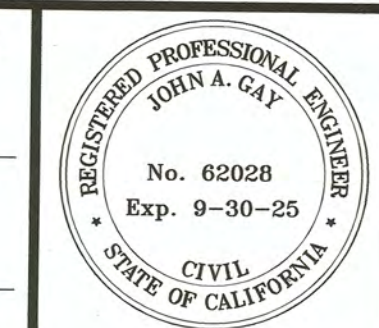
- INSTALL TYPE I 24' ARROWS PER CALTRANS STANDARD PLAN A24A
- INSTALL TYPE III (L) ARROW PER CALTRANS STANDARD PLAN A24B
- INSTALL TYPE III (R) ARROW PER CALTRANS STANDARD PLAN A24B
- INSTALL TYPE II (R) ARROW PER CALTRANS STANDARD PLAN A24B
- STRIPING TO BE THERMOPLASTIC

NOTE:
 ALL TRAFFIC STRIPING AND PAVEMENT MARKERS SHALL BE COMPLETED PER 2018 CALTRANS STANDARD SPECIFICATIONS DIVISION IX TRAFFIC CONTROL FACILITIES SECTION 84 TRAFFIC STRIPES AND PAVEMENT MARKINGS AND SECTION 85 PAVEMENT MARKERS.
 ALL STRIPING AND MARKINGS SHALL BE RETROREFLECTIVE THERMOPLASTIC. CONTRACTOR TO SUBMIT STRIPING SUBMITTAL PRIOR TO START CONSTRUCTION SPECIFYING MATERIALS TO BE USED FOR REVIEW AND APPROVAL BY THE COUNTY.

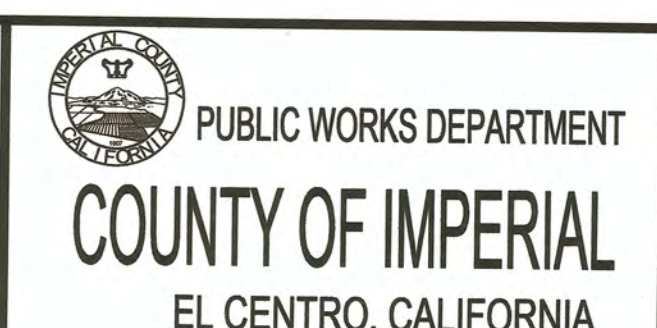
| REV. | DATE | REVISION DESCRIPTION |
|------|------------|--|
| 1 | 11-13-2023 | UPDATED CONSTRUCTION KEYNOTES ⑧ ⑭ UPDATED DEMOLITION KEYNOTE ⑭ |



PREPARED UNDER THE DIRECT SUPERVISION OF:
CARLOS BELTRAN, P.E.
 No. 69121
 R.C.E. No.
 06/30/2024
 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
JOHN A. GAY, P.E.
 No. 62028
 R.C.E. No.
 09/30/2025
 REG. EXP.

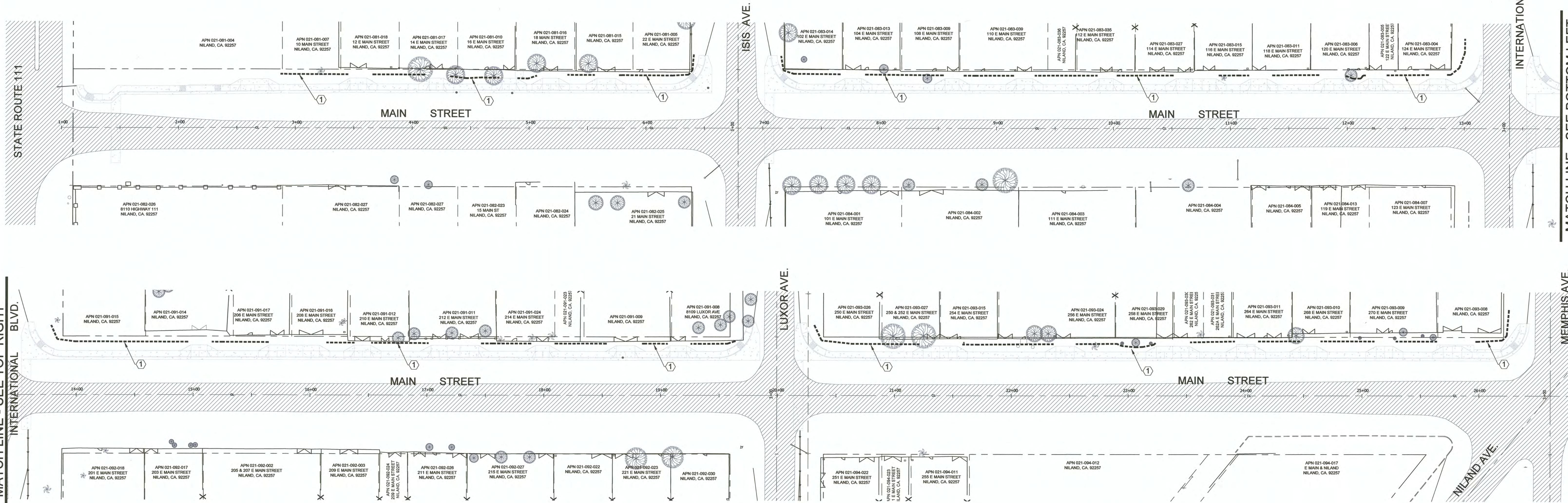


DATE 11/13/2023
 DRAWN DB, FM
 SCALE AS SHOWN
 CHECKED CB

NILDAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

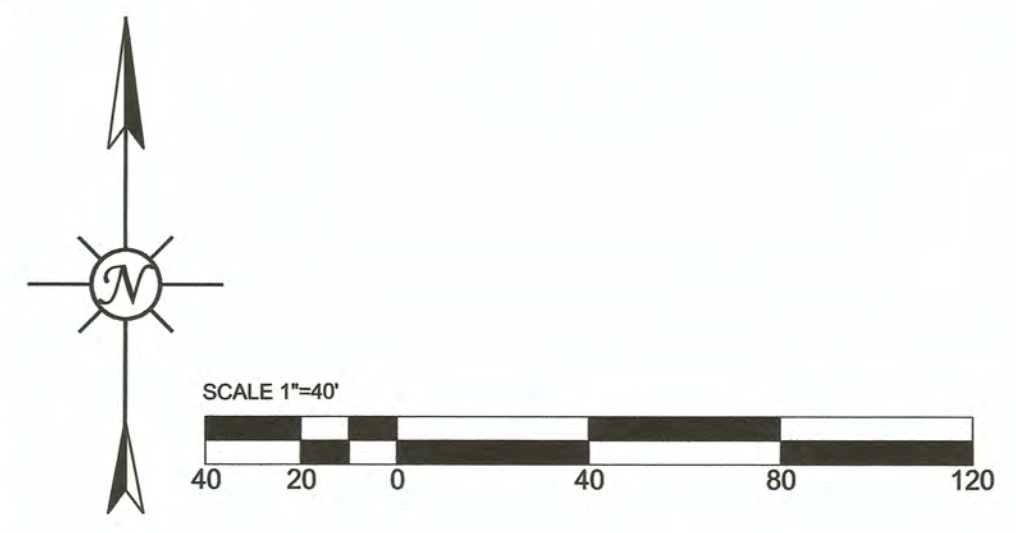
Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B., IMPERIAL CA, 92251
 TEL. (760) 545-0162 FAX (760) 545-0163

| | |
|---------------------------------------|------------------|
| STRIPING PLANS MAIN STREET | |
| PROJECT NO. 6601 | REFERENCE R-1002 |
| PAGE 18 OF 19 | |



MATCHLINE - SEE TOP RIGHT

MATCHLINE - SEE BOTTOM LEFT



EROSION CONTROL NOTES:

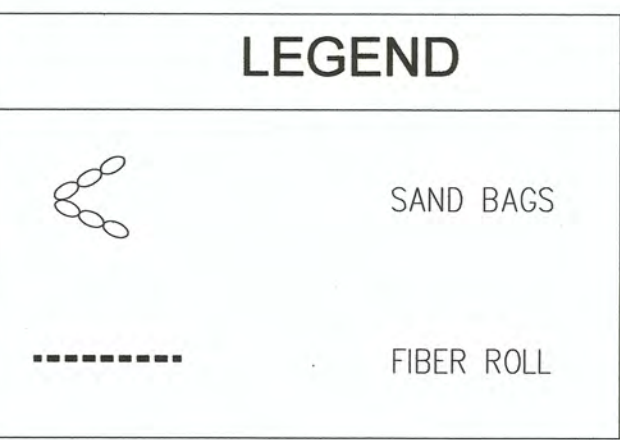
1. TEMPORARY EROSION CONTROL SHALL BE PERFORMED BY THE CONTRACTOR AS INDICATED BELOW:
2. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF SILT AND MUD ON ADJACENT STREETS DUE TO CONSTRUCTION ACTIVITY.
3. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON-SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN THE RAIN IS IMMINENT.
4. DEVICES SHOWN ON THESE PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
5. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE COUNTY ENGINEER AFTER EACH RAINFALL PRODUCING RUN-OFF
6. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE COUNTY ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE
7. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUND WATER CREATES A HAZARDOUS CONDITION.
8. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING AND STREET PLAN SHALL BE INCORPORATED HERON.
9. GRADING AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
10. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES:

1. PROVIDE FIBER ROLLS OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
2. ALL EROSION CONTROL DEVICES WITHIN THE PROJECT SCOPE SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF-PRODUCING STORM. CONTRACTOR SHALL MAKE SAFE ACCESS TO ALL AREAS AVAILABLE FOR MAINTENANCE CREWS.
3. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY THE COUNTY ENGINEER.

CONSTRUCTION NOTES:

- ① INSTALL FIBER ROLL (TYPE 1) PER CALTRANS STANDARD PLAN T56

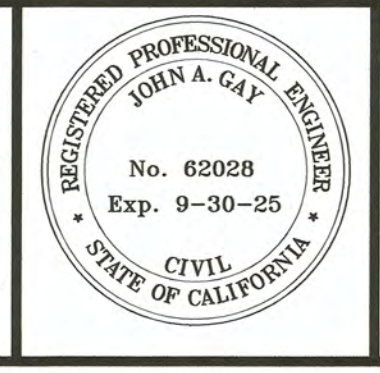


Dynamic CONSULTING ENGINEERS
 CIVIL ENGINEERING - LAND SURVEYING - CONSTRUCTION MANAGEMENT
 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B.,
 IMPERIAL CA. 92251
 TEL (760) 545-0162 FAX (760) 545-0163

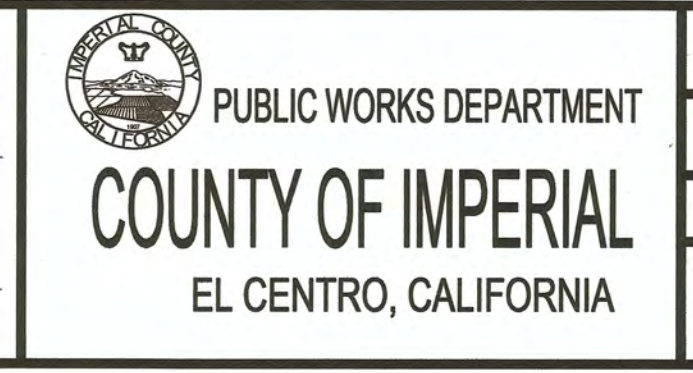
| REV. | DATE | REVISION DESCRIPTION |
|------|------------|---|
| 1 | 11-13-2023 | UPDATED CONTRACTION KEYNOTES (9) (14) UPDATED DEMOLITION KEYNOTE (14) |



PREPARED UNDER THE DIRECT SUPERVISION OF:
 CARLOS BELTRAN, P.E.
 69121 R.C.E. No.
 06/30/2024 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 62028 R.C.E. No.
 09/30/2025 REG. EXP.



DATE 11/13/2023
 DRAWN DB, FM
 SCALE AS SHOWN
 CHECKED CB

NILAND MAIN ST. IMPROVEMENTS NORTH FROM HWY 111 TO MEMPHIS AVE.
 FEDERAL AID PROJECT NO. CML 5958(119)
 COUNTY PROJECT NO. 6601
 DCE PROJECT NO. 127521

| EROSION CONTROL PLAN | |
|----------------------|------------------|
| PROJECT NO. 6601 | REFERENCE R-1002 |
| | PAGE 19 OF 19 |