

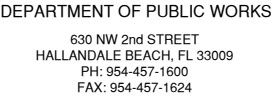
60% PHASE SUBMITTAL





1. THE CONTRACTOR MAY USE ANY OF THE OPTIONAL PIPE MATERIALS TABULATED FOR A GIVEN STRUCTURE. ONLY THE MATERIAL OPTIONS TABULATED FOR A GIVEN STRUCTURE CAN BE USED.
2. ADJUSTMENT TO THE BID QUANTITIES, PRICES AND PAYMENT WILL NOT BE ALLOWED DUE TO INCREASE OR DECREASE IN STRUCTURE SIZE, SHAPE, LENGTH, WIDTH, DEPTH OR CONSTRUCTION ACCESSORY NECESSARY TO ACCOMMODATE THE USE OF AN OPTIONAL PIPE MATERIAL OTHER THAN THE "PLOTTED" OPTION; LIKEWISE THERE WILL BE NO ADDED OR REDUCED COMPENSATION FOR STRUCTURE ALTERATIONS REQUIRED TO RELIEVE UTILITY CONFLICTS WHICH ARISE FROM THE USE OF AN OPTIONAL MATERIAL OTHER THAN THE "PLOTTED" OPTION.
3. ADJUSTMENT TO THE BID QUANTITIES, PRICES AND PAYMENT WILL NOT BE ALLOWED DUE TO INCREASED OR DECREASED EXCAVATION, BEDDING, BORROW, BACKFILLING, COMPACTION, SPECIAL INSTALLATION REQUIREMENTS OR DISPOSAL OF EXCESS MATERIALS DUE TO USE OF ANY OF THE PIPE OPTIONAL MATERIALS. LIKEWISE, DUE TO DIFFERENCES IN END TREATMENT SIZE OR TYPES, PIPE LENGTH, ALTERNATE JOINTING AND CONNECTING MATERIALS, SADDLES, CRADLES, FILTER FABRICS, SHORING OR SIMILAR FEATURES DUE TO USE OF AN OPTIONAL MATERIAL OTHER THAN THE "PLOTTED" OPTION.
4. IF ADJUSTMENTS ARE REQUIRED DUE TO PLAN ERRORS OR OMISSIONS OR AUTHORIZED FIELD CHANGES, THE "PLOTTED" MATERIAL AND NOT THE MATERIAL ELECTED BY THE CONTRACTOR WOULD BE USED TO ESTABLISH NEW PAY QUANTITIES.
5. THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING AS TO WHICH OPTIONAL PIPE MATERIAL HE/SHE CHOOSES TO USE AT THE PRECONSTRUCTION CONFERENCE. ONCE IDENTIFIED, THE CONTRACTOR MAY NOT CHANGE PIPE MATERIAL SELECTED WITHOUT THE APPROVAL OF THE ENGINEER.

1. NRCP (NON REINFORCED CONCRETE, CI. "I")
2. RCP I (STEEL REINFORCED CONCRETE, CI. "I")
3. RCP-HE-I (STEEL REINFORCED CONCRETE, CI. HE I)

[illegible]

**EAC Consulting, Inc.**  
5100 NW 33rd AVE, SUITE  
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CA # 7011  
**EAC PROJECT No. 14045.SD**

**Sunshine811.com**

# DIANA DRIVE ROADWAY AND DRAINAGE IMPROVEMENTS

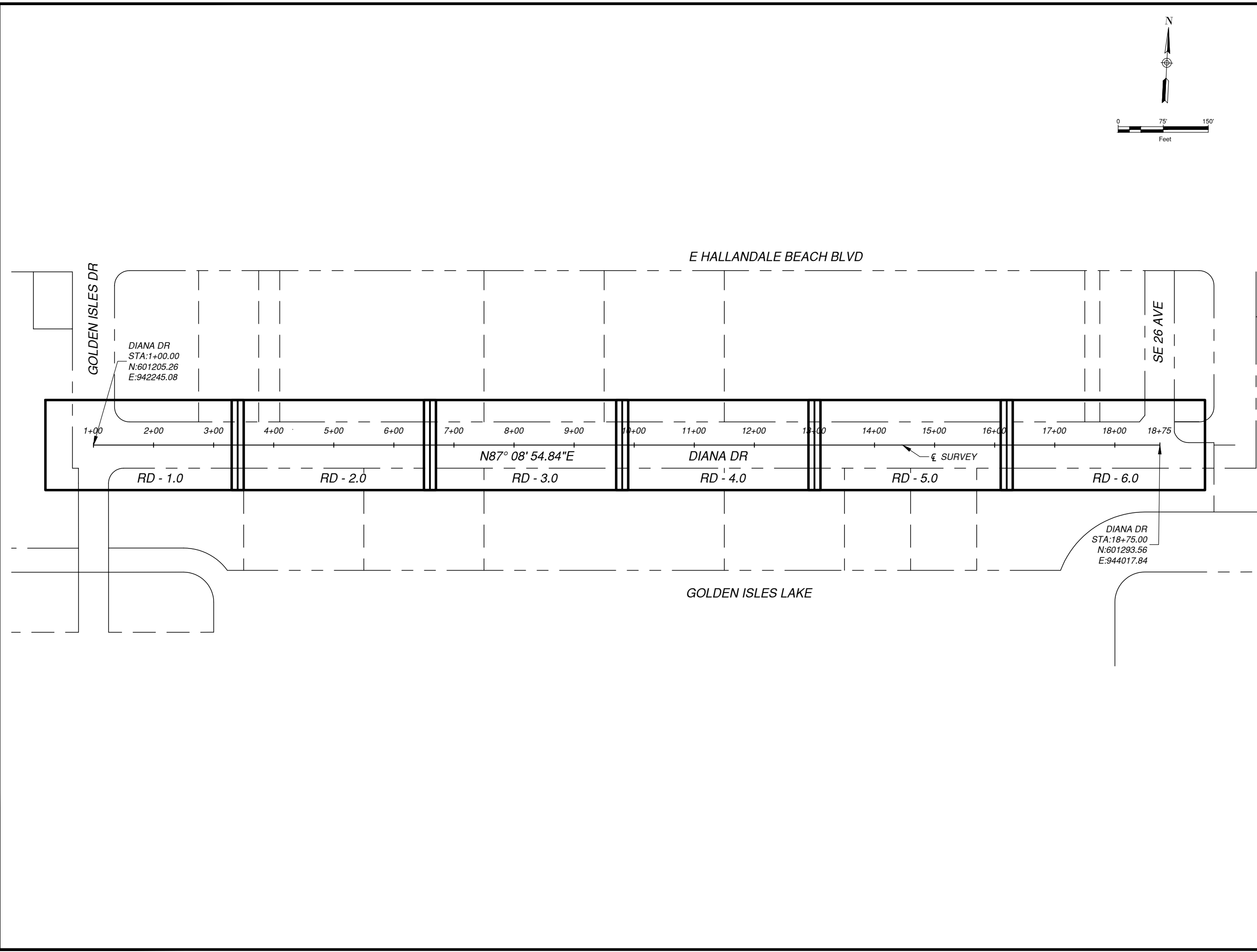
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SEAL:

## OPTIONAL MATERIALS TABULATION

## 60% PHASE SUBMITTAL

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EAC PROJECT No. 14045.SD01-02



PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

**PROJECT  
LAYOUT**

SHEET NO.

**G-4.0**

SHEET 5 OF 42

60% PHASE SUBMITTAL

L:\Project\14045.SD01-02\_Hallandale Beach\14045.SD01-02 - Diana Drive\csl\drawings\PROJECT LAYOUT.dwg [G-4.0] Sep 23, 2016 4:40pm RGC/ENAGA

GENERAL NOTES

1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT MUST BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS ("FLORIDA GREEN BOOK"), FDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT STANDARDS. ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF CITY OF HALLANDALE BEACH & ENGINEER OF RECORD.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH PROJECT SITE & TO DETERMINE TOPOGRAPHIC OR UNDERGROUND FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION. CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO THE COUNTY AND EOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR MUST INCLUDE IN HIS/HER BID PRICE, THE COST OF RELOCATING OR REPLACING IN KIND ANY FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO EXISTING TREES, UTILITY BOXES, SIGNS, FIRE HYDRANTS, GUARDRAILS, UTILITY POLES, VALVES, ETC. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED BY CITY OF HALLANDALE BEACH IN THE EVENT THE CONTRACTOR NEGLECTS TO ACCOUNT FOR THIS WORK IN HIS/HER BID PRICE.
3. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, & UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING UTILITIES NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY THE CONTRACTOR, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE CITY.
4. THE LOCATION & SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. CONTRACTOR SHALL ADVISE IF CONFLICT EXIST AND PROPOSED A SOLUTION FOR EOR TO APPROVE. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT & NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE ADEQUATE MEASURES TO ENSURE SAFETY WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL, TELEPHONE & OTHER UTILITIES. PROPER COORDINATION WITH JURISDICTIONAL AUTHORITIES MUST BE UNDERTAKEN AS APPLICABLE.
6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED OR EXPOSED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES WHEN THE CONTRACTOR IS NOT WORKING.
7. CONTRACTOR SHALL KEEP THE SITE REASONABLY FREE FROM DEBRIS, TRASH, & CONSTRUCTION WASTE. CONSTRUCTION DEBRIS STORED ADJACENT TO OR UPON THE ROADWAY SHALL BE ADEQUATELY MARKED AT ALL TIMES FOR PEDESTRIAN & TRAFFIC SAFETY. ALL ROADS SHALL BE KEPT ACCESSIBLE TO EMERGENCY VEHICLES.
8. CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC.
9. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL 811 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION/DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
10. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS PRIOR TO THE START OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO AN NPDES NOI PERMIT & ANY OTHER PERMIT ASSOCIATED WITH SUCH PERMIT.
11. ALL LANDSCAPED/OPEN AREAS, SIDEWALKS, PAVEMENTS & OTHER IMPROVEMENTS IMPACTED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE CITY.
12. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY ADVISE CITY OF HALLANDALE BEACH AND ENGINEER OF RECORD.
13. ANY MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
14. GEOTECHNICAL EXPLORATIONS WERE CARRIED OUT ON THE PROJECT SITE BY PROFESSIONAL SERVICE INDUSTRIES, INC. & A REPORT DATED JULY 25TH 2016 WAS GENERATED, AND REVISED ON AUGUST 15TH 2016. THIS REPORT IS INCLUDED AS PART OF THE PROJECT'S SPECIFICATIONS.

15. CONTRACTOR SHALL PREPARE & SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATIONS.
16. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE & FLUSH WITH EXISTING PAVEMENT.
17. ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION.
18. RADII, DIMENSIONS AND ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
19. GRADES SHOWN ARE FINISHED GRADES.
20. R/W BREAK LINES STATIONS AND OFFSETS ARE MEASURED FROM BASELINE OF SURVEY.
21. CONTRACTOR IS FULLY RESPONSIBLE TO RESTORE EXISTING TRAFFIC RELATED INFRASTRUCTURE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST COORDINATE WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
22. THE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR THE PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST PRODUCE HIS/HER OWN MOT PLANS & MUST HAVE SAID PLANS APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. RESIDENTS ACCESS TO THEIR HOMES AND ACCESS FOR EMERGENCY VEHICLES SHOULD BE PROVIDED AT ALL TIMES. THE COST ASSOCIATED WITH THIS EFFORT MUST BE REFLECTED IN THE BID. NO ADDITIONAL COMPENSATION WILL BE GRANTED BY THE CITY FOR MOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD.
23. MOT PLANS SHALL INCLUDE BUT IS NOT LIMITED TO MESSAGE BOARDS TO INFORM DRIVERS OF CONSTRUCTION ON ROADWAY & MAINTAINING CROSSING ACCESS, ETC. CONTRACTOR IS ALSO RESPONSIBLE FOR NOTIFYING ALL SCHOOLS & EMERGENCY SERVICES WITHIN THE VICINITY OF THE PROJECT LIMITS ABOUT THE CONSTRUCTION SCHEDULE.
24. AN APPROVED SET OF CONSTRUCTION PLANS AND CONTRACT DOCUMENTS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING OPERATIONS.
25. CONTRACTOR SHALL PROVIDE TO THE CITY'S REPRESENTATIVE, PRIOR TO CONSTRUCTION OF THE PROJECT, A CERTIFICATE FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY. STATING THAT THE SOD, HAY, STRAW AND MULCH MATERIALS ARE FREE FROM NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE.
26. CONTRACTOR IS FULLY RESPONSIBLE FOR RESTORING ALL PAVEMENT MARKINGS WITH NEW STRIPING AS SHOWN ON PLANS. FINAL PAVEMENT STRIPING MUST BE THERMOPLASTIC IN ACCORDANCE WITH FDOT STANDARDS. ALL CONSTRUCTION WORK EFFORT ASSOCIATED WITH THIS ITEM MUST BE INCLUDED IN THE BID PRICE.
27. ALL ELEVATIONS ON THE PLAN & PROFILE SHEETS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988. (NAVD-1988).
28. SURVEY MONUMENTS WITHIN THE LIMITS OF THE PROJECT ARE TO BE PROTECTED.
29. CONTRACTOR MUST COMPLY WITH ALL HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS AS STATED IN THE FLORIDA ADMINISTRATIVE CODE (F.A.C.) RULE 62-555.314.
30. CONTRACTOR MUST ENSURE THAT PRECISE RECORDS ARE TAKEN PRIOR TO BACKFILLING OVER UTILITIES. AS-BUILTS MUST CONFORM TO APPLICABLE STANDARDS & REQUIREMENTS STIPULATED BY THE PROJECT SPECIFICATIONS.
31. CONTRACTOR WILL BE REQUIRED TO MAKE A PRE-CONSTRUCTION VIDEO FOR HIS/ HER RECORDS AND SUBMIT A COPY OF THE VIDEO TO THE CITY AND EOR FOR THEIR RECORDS.
32. THE TOPOGRAPHY SURVEY WAS PREPARED BY GIBBS LAND SURVEYORS (LIC #7018) DATED JULY 11, 2014, REVISED ON AUGUST 16, 2016, AND PROVIDED BY CITY OF HALLANDALE BEACH.

UTILITIES NOTES

1. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND RETROFITTING ALL UTILITY INFRASTRUCTURE WITHIN THE PROPOSED ROAD IMPROVEMENTS SUCH THAT THEY ARE FLUSH WITH THE PROPOSED SURFACE AND ARE TRAFFIC RATED WHETHER THEY ARE SHOWN IN THE PLANS OR NOT. THESE TYPES OF INFRASTRUCTURE INCLUDE BUT ARE NOT LIMITED TO VALVES COVERS, MANHOLES, ETC. THESE ADJUSTMENTS AND RETROFITS MUST BE COORDINATED WITH THE OWNERS OF THE FACILITIES AND THE COSTS MUST BE INCLUDED IN THE BID PRICE. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THE ABOVE.
3. 

UTILITY OWNER:

ATT/ DISTRIBUTION

COMCAST CABLE

TECO PEOPLES GAS - SOUTH FLORIDA

FIBERNET LLC

HOTWIRE COMMUNICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION - ITS

FLORIDA POWER & LIGHT

CITY OF HALLANDALE BEACH

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION

305-222-8745

954-239-8386

954-453-0824

305-552-2931

954-417-3606

954-847-1996

800-868-9554

954-457-3042

954-847-2745

SUNSHINE 811 DESIGN TICKET NO. 197603879

APPLICABLE CODES AND STANDARDS:

1. AMERICANS WITH DISABILITIES ACT AND ACCESSIBILITY GUIDELINES (ADA), 2010
2. CITY OF HALLANDALE BEACH CODE OF ORDINANCE
3. CITY OF HALLANDALE BEACH COMPREHENSIVE PLAN, 2009
4. CITY OF HALLANDALE BEACH DESIGN GUIDELINES MANUAL
5. BROWARD COUNTY CODE OF ORDINANCE
6. BROWARD COUNTY ADMINISTRATIVE CODE, MINIMUM STANDARDS
7. BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
8. BROWARD COUNTY ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT (EPGMD)
9. FLORIDA ADMINISTRATIVE CODE (FAC)
10. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
11. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS 2016-17
12. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2016
13. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (FLORIDA GREENBOOK), 2013
14. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009, REV 2
15. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS
16. SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)



DEPARTMENT OF PUBLIC WORKS

630 NW 2nd STREET  
HALLANDALE BEACH, FL 33009  
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FAX: 954-457-1624

CONSULTANT:



EAC Consulting, Inc.

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FORT LAUDERDALE, FL 33309  
PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011

EAC PROJECT No. 14045.SD01-02

Always call 811 two full business days before you dig



PROJECT:

DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: SR

DRAWN BY: RG

REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

GENERAL  
NOTES (1 OF 3)

SHEET NO.

G-5.0

SHEET 6 OF 42

60% PHASE SUBMITTAL



PRE-TRENCHING NOTES

1.

UTILITIES SHOWN ON THESE PLANS SHEETS ARE APPROXIMATE & ADDITIONAL UTILITIES MAY EXIST IN THE FIELD THAT IS NOT SHOWN ON THE PLANS. THE CONTRACTOR MUST INCLUDE AS PART OF HIS/HER BID, AN ITEM FOR PRE-TRENCHING TO ENSURE THAT NO PORTION OF THE PROPOSED WORK CONFLICTS WITH ANY UTILITIES, PRIOR TO CONSTRUCTION. IF POTENTIAL CONFLICTS ARE FOUND, THEN THE CONTRACTOR MUST NOTIFY THE OWNER, ENGINEER & UTILITY OWNER AT LEAST SEVEN (7) DAYS ADVANCED NOTICE PRIOR TO CONSTRUCTION. THIS NOTIFICATION SHALL INCLUDE SURVEY INFORMATION ABOUT THE CONFLICTING UTILITY'S HORIZONTAL & VERTICAL ALIGNMENT. FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH PRIOR TO CONSTRUCTION IS AT HIS/HER OWN RISK & BY SO DOING RELIEVES THE OWNER & THE ENGINEER OF ANY & ALL LIABILITIES & COSTS ASSOCIATED WITH RESOLVING UTILITY CONFLICTS. IN ADDITION, NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ANY COSTS INCURRED AS A RESULT OF FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH.
2.

EXTREME CAUTION MUST BE USED DURING ANY EXCAVATION. ALL EXCAVATIONS MUST BE SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED AS INDICATED IN THE GEOTECHNICAL REPORT'S RECOMMENDATIONS.
3.

CONTRACTOR MUST UTILIZE SUBSURFACE UTILITY ENGINEERING METHODS & CORING TO DISCLOSE THE PRESENCE OF ROCK, UTILITIES & OTHER SUBSURFACE ELEMENTS NOT INDICATED ON TOPOGRAPHY SURVEY.
4.

CONTRACTOR MUST ENGAGE IN CONSULTATIONS WITH IDENTIFIED UTILITY OWNERS.
5.

PRE-TRENCHING DIRECTIONS TO CONTRACTOR:

A.

CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.

B.

CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATION, OR HEAVY LOADS.

C.

CONTRACTOR MUST PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.

D.

CONFORM TO FLORIDA'S TRENCH SAFETY ACT & OSHA REQUIREMENTS.
6.

BEFORE TRENCHING OR EXCAVATION, CONTRACTOR MUST CHECK THE FOLLOWING:

A.

SOIL CONDITIONS OR OTHER MATERIAL TO BE REMOVED.

B.

PROXIMITY TO UTILITIES, BUILDINGS & SOURCES OF VIBRATIONS.

C.

OWNERS OF UTILITIES, SERVICE, OR TRANSMISSION PIPING, ETC. & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.

D.

FOR PREVIOUSLY DISTRIBUTED GROUND.

E.

FOR TREES, BOULDERS, OR OTHER HAZARDS.

F.

ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.
7.

DURING TRENCHING OR EXCAVATION, CONTRACTOR MUST REGULARLY CHECK FOR THE FOLLOWING:

A.

CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.

B.

POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.

C.

ADEQUACY OF SHORING AND/OR SLOPING AS WORK PROGRESSES.

D.

MAINTENANCE OF ENTRANCE & EXIT FACILITIES.

E.

ALL SHEETING, BRACING, SHORING & UNDERPINNING.

F.

CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS
8.

AFTER TRENCHING OR EXCAVATION, THE CONTRACTOR MUST CHECK FOR:

A.

DEPTH OF TRENCHING OR EXCAVATION, ITS SLOPING & SHORING.

B.

SLOPING OF BANKS, SIDES & WALLS IN RELATION TO DEPTH OF CUT, WATER CONTENT OF SOIL, VIBRATIONS.

C.

ENTRANCE & EXIT FACILITIES.

D.

LOCATION OF HEAVY EQUIPMENT - POWER SHOVELS, DERRICK, TRUCKS.

E.

EXCAVATION MATERIAL IS TWO FEET OR MORE FROM EDGE OF OPENING.

F.

PORTABLE TRENCH BOXES OR TRENCH SHIELDS ARE ADEQUATE, IF USED.

G.

CROSS BRACES OR TRENCH JACKS ARE CORRECTLY POSITIONED TO PREVENT SLIDING, FALLING OR KICKOUTS.
9.

PRE-TRENCHING REQUIREMENTS CHECKLIST:

A.

PRIOR TO EXCAVATION, THE CONTRACTOR MUST UNDERTAKE EFFORTS TO DETERMINE UNDERGROUND INSTALLATIONS SUCH AS SEWER, TELEPHONE, WATER, GAS, ELECTRIC LINES, ETC. ARE PRESENT & WHERE THEY ARE ACTUALLY LOCATED.

B.

THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO
- DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLOPING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.

C.

THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS: DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN AND/OR WATER.

D.

ALL SLOPES SHALL BE EXCAVATED TO AT LEAST THE ANGLE OF REPOSE EXCEPT IN AREAS WHERE SOLID ROCK ALLOWS FOR LINE DRILLING OR PRESPLITTING.

E.

IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER, EXCAVATED OR OTHER MATERIALS SHALL BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.
- GRADING NOTES
1.

OSHA TRENCH SAFETY COMPLIANCE - THE CONTRACTOR SHALL UTILIZE TRENCH BOXES OR OTHER APPROVED MEANS TO COMPLY WITH THE FLORIDA TRENCH SAFETY ACT (FLORIDA STATUTE SECTIONS 553.60-553.63), AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARDS, 29 C.F.R.S. 1926.650 SUBPART P.

2.

EXCESS EXCAVATED MATERIAL - EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE AND AUTHORIZED BY JURISDICTIONAL AUTHORITIES. CONTRACTOR MUST COMPLY WITH APPLICABLE SECTIONS OF TECHNICAL SPECIFICATIONS.

3.

CONSTRUCTION DEBRIS SHALL NOT BE BURIED OR LEFT ON SITE DURING OR AFTER CONSTRUCTION. ADVERSE IMPACTS TO PROPOSED WORK OR ALREADY CONSTRUCTED WORK BY DEBRIS MUST BE AVOIDED.

4.

LANDSCAPED AREAS & OTHER PERVIOUS AREAS THAT DON'T HAVE A DEFINED DRAINAGE COLLECTION SYSTEM SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE.
- PAVING NOTES
1.

RESURFACING OF MILLED AREAS SHALL BE COMPLETED WITHIN 3 CALENDAR DAYS OF MILLING OPERATION TO MINIMIZE POTHOLE DEVELOPMENT AND INCONVENIENCES TO MOTORING PUBLIC.

2.

UNLESS OTHERWISE INDICATED, ONLY ROADWAY LANES AFFECTED BY ACTUAL CONSTRUCTION OR DAMAGED BY CONSTRUCTION EQUIPMENT SHALL BE MILLED AND RESURFACED. LANES DAMAGED BY CONSTRUCTION EQUIPMENT OR BY THE IMPROPER OPERATION OF CONSTRUCTION EQUIPMENT SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL RESTORATION SHALL COMPLY WITH THE STANDARDS AND REQUIREMENTS OF FDOT AND BROWARD COUNTY STANDARDS.

3.

GRASSED AREAS: UNLESS OTHERWISE SPECIFIED ON CONSTRUCTION DRAWINGS, DETAILS AND SPECIFICATIONS, PROVIDE SOLID SODDING OF BAHIA WHERE PROPOSED SOD IS CALLED OUT ON THE CONSTRUCTION DOCUMENTS.

4.

CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, UTILITY ACCESS BOXES, CATCH BASINS, VALVE BOXES TO BE FLUSH WITH FINISH GRADES.
- ABBREVIATIONS
- |          |  |        |                                       |
|----------|--|--------|---------------------------------------|
| ABND     | ABANDONED                                  | P,B,   | PLAT BOOK                             |
| APPROX   | APPROXIMATE                                | PC     | POINT OF CURVATURE                    |
| ASPH     | ASPHALT                                    | PG     | PAGE                                  |
| ASPH DWY | ASPHALT DRIVEWAY                           | PVC    | POINT OF VERTICAL CURVE (BEGIN POINT) |
| ASTM     | AMERICAN SOCIETY FOR TESTING AND MATERIALS | PVI    | POINT OF VERTICAL INTERSECTION        |
| AVE      | AVENUE                                     | PVT    | POINT OF VERTICAL TANGENT (END POINT) |
| AVG      | AVERAGE                                    | PROP   | PROPOSED                              |
| ℄/BL     | BASELINE                                   | PSI    | POUNDS PER SQUARE INCH                |
| BE       | BURIED ELECTRICAL                          | PT     | POINT                                 |
| BLVD     | BOULEVARD                                  | PVMT   | PAVEMENT                              |
| CDWY     | CONCRETE DRIVEWAY                          | RAD/R  | RADIUS                                |
| C&G      | CURB AND GUTTER                            | RT     | RIGHT                                 |
| CB       | CATCH BASIN                                | R/W    | RIGHT OF WAY                          |
| CL℄      | CENTERLINE                                 | SD     | STORM DRAINAGE                        |
| C.L.F    | CHAIN LINK FENCE                           | SDWK   | SIDEWALK                              |
| CONC.    | CONCRETE                                   | SPEC.  | SPECIFIC                              |
| CY       | CUBIC YARDS                                | SPEC   | SPECIFICATION                         |
| Δ        | DEFLECTION ANGLE                           | SS     | SANITARY SEWER                        |
| DET      | DETAIL                                     | STA    | STATION                               |
| DIA/Ø    | DIAMETER                                   | STD    | STANDARD                              |
| DISP.    | DISPLACED                                  | SY     | SQUARE YARDS                          |
| DWG      | DRAWING                                    | T.B.M. | TEMPORARY BENCH MARK                  |
| DWY      | DRIVEWAY                                   | TOC    | TOP OF CURB                           |
| E        | EASTING                                    | TYP    | TYPICAL                               |
| EA       | EACH                                       | VERT   | VERTICAL                              |
| ESMT     | EASEMENT                                   | WM     | WATER MAIN                            |
| EL/ELEV  | ELEVATION                                  | NAVD   | NATIONAL AMERICAN                     |
| EOP      | EDGE OF PAVEMENT                           |        | VERTICAL DATUM                        |
| EOR      | ENGINEER OF RECORD                         | PGL    | PROPOSED GROUND                       |
| EOT      | EDGE OF TRAVEL LANE                        |        | ELEVATION                             |
| EQ       | EQUATION                                   |        |                                       |
| EXIST    | EXISTING                                   |        |                                       |
| FM       | FORCE MAIN                                 |        |                                       |
| FT       | FEET                                       |        |                                       |
| GB       | GRADE BREAK                                |        |                                       |
| HORIZ    | HORIZONTAL                                 |        |                                       |
| L        | LENGTH                                     |        |                                       |
| LAT      | LATERALS                                   |        |                                       |
| LF       | LINEAR FOOT                                |        |                                       |
| LS       | LUMP SUM                                   |        |                                       |
| LT       | LEFT                                       |        |                                       |
| LVC      | LENGTH OF VERTICAL CURVE                   |        |                                       |
| MAX      | MAXIMUM                                    |        |                                       |
| MIN      | MINIMUM                                    |        |                                       |
| N        | NORTHING-NORTH                             |        |                                       |
| NGVD     | NATIONAL GEODETIC VERTICAL DATUM           |        |                                       |
| NTS      | NOT TO SCALE                               |        |                                       |
| OC       | ON CENTER                                  |        |                                       |
| OE       | OVERHEAD ELECTRICAL                        |        |                                       |
- Beach

Hallandale Beach

PROJECT, BUILDING OR CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS

630 NW 2nd STREET  
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PROJECT:

DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS  
SEAL:

SHARI J. RAMIREZ, P.E.

FL LICENSE No. 73078

SHEET TITLE:

GENERAL  
NOTES (2 OF 3)

SHEET NO.

G-6.0

SHEET 7 OF 42

60% PHASE SUBMITTAL

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LEGEND

	PROPOSED EOP
	EXISTING TOPOGRAPHY
	RIGHT OF WAY
	PROPERTY LINE
	CENTER LINE
	EXIST IRRIGATION MAIN
	EXIST GAS LINE
	EXIST SANITARY SEWER
	EXIST WATER MAIN
	EXIST OVERHEAD UTILITY LINE
	EXIST BURIED ELECTRICAL LINE
	EXIST STORM DRAIN
	EXIST FORCEMAIN
	EXIST BURIED TELEPHONE LINE
	EXIST BCTEDCO LINE
	EXIST FIBER OPTIC CABLE
	WOOD FENCE
	METAL FENCE
	INLET
	FRENCH DRAIN
	MANHOLE
	TEST HOLE
	CURB INLET
	BUILDING NUMBER

SYMBOL LEGEND

	CONCRETE LIGHT POLE
	CONCRETE POWER POLE
	POINT OF ELEVATION
	TREE
	WATER VALVE
	FIRE HYDRANT
	WATER METER
	SIGN (SINGLE SUPPORT)
	PALM
	DRAINAGE MANHOLE
	ELECTRIC MANHOLE
	CATCH BASIN
	FOUND NAIL
	FLAG POLE
	CABLE TV RISER
	TELEPHONE RISER
	ELECTRIC BOX
	BACKFLOW PREVENTOR
	SIAMESE CONNECTION
	BOLLARD
	WATER METER
	CLEANOUT
	CONCRETE
	ANCHOR/GUY WIRE
	METAL LIGHT POLE
	GATE VALVE
	WOOD POWER POLE
	MAIL BOX
	BROWARD COUNTY RECORDS
	OFFICIAL RECORD BOOK
	BUSH
	HEDGE

FDOT SPECIFICATIONS

101	MOBILIZATION
102	MAINTENANCE OF TRAFFIC
104	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION
107	LITTER REMOVAL AND MOWING
110	CLEARING AND GRUBBING
120	EXCAVATION AND EMBANKMENT
125	EXCAVATION FOR STRUCTURES AND PIPE
145	GEOSYNTHETIC REINFORCEMENT
160	STABILIZING
230	LIMEROCK STABILIZED BASE
286	TURNOUT CONSTRUCTION
300	PRIME AND TACK COATS
327	MILLING OF EXISTING ASPHALT PAVEMENT
334	SUPERPAVE ASPHALT CONCRETE
425	INLETS, MANHOLES, AND JUNCTION BOXES
430	PIPE CULVERTS
443	FRENCH DRAIN
522	CONCRETE SIDEWALK AND DRIVEWAYS
526	ARCHITECTURAL PAVERS
527	DETECTABLE WARNINGS
570	PERFORMANCE TURF
706	RETROREFLECTIVE PAVEMENT MARKERS AND BITUMINOUS ADHESIVE
711	THERMOPLASTIC PAVEMENT MARKINGS



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NOTES (3 OF 3)**

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SHEET 8 OF 42

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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NOTES

1. PERMANENT OR TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICE. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHALL BE THE PLACEMENT OF TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT, THE INITIAL WORK AREA, & OTHER AFFECTED AREAS TO PREVENT STORM WATER POLLUTION.
2. CONFORMANCE WITH SWPPP DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES TO PROTECT ADJACENT PROPERTIES, FEATURES & NATURAL ENVIRONMENT FROM THE POSSIBLE DAMAGE IMPACT THAT MAY ARISE AS A RESULT OF THE CONSTRUCTION .
3. CONTRACTOR SHALL INSTALL PERIMETER POLLUTION PREVENTION CONTROLS AFTER CLEARING & GRUBBING BUT BEFORE BEGINNING OTHER CONSTRUCTION PHASES. CONTRACTOR SHALL REMOVE PERIMETER CONTROLS ONLY AFTER ALL AREAS HAVE BEEN STABILIZED.
4. MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN MUST BE SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR APPROVAL.
5. IF ADDITIONAL EROSION & SEDIMENT CONTROL BMP'S ARE REQUESTED BY ANY REGULATORY AGENCY, THE CONTRACTOR SHALL PROMPTLY IMPLEMENT SAID MEASURES AFTER APPROVAL OF EOR/JURISDICTIONS.
6. MAINTENANCE REQUIREMENTS:

A. THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES THAT WILL BE FOLLOWED TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROLS, STORMWATER MANAGEMENT PRACTICES, AND OTHER PROTECTIVE MEASURES AND BMPS SO THEY WILL REMAIN IN GOOD AND EFFECTIVE OPERATING CONDITION.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE & REPAIRS OF EROSION & SEDIMENT CONTROL/SWPPP DEVICES PER THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION). THE MAINTENANCE OF THESE DEVICES SHALL OCCUR UNTIL BCAD'S REPRESENTATIVE ESTABLISHES AREAS AS PERMANENTLY STABILIZED. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AFTER COMPLETION OF THE PROJECT.

C. EROSION & SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED BY THE CONTRACTOR TO PERFORM THE INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

D. CONTRACTOR SHALL VERIFY THAT ALL DRAINAGE STRUCTURES, WITHIN THE PROJECT LIMITS WHETHER INDICATED ON THE PLANS OR NOT ARE PROTECTED IN ACCORDANCE WITH THE ESTABLISHED METHODS AS NOTED ABOVE.

E. DUST, RESULTING FROM PROPOSED DEMOLITION ACTIVITIES, MUST BE PREVENTED FROM INTRUSION INTO THE STORMWATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES (WATER OR SLURRY) MUST BE RETAINED ON SITE. CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENTS SHALL NOT BE UTILIZED.

F. THE EXISTING DRAINAGE FLOW PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.

G. THE CONTRACTOR SHALL MONITOR ALL POLLUTION CONTROL DEVICES TO ENSURE SUFFICIENT CONVEYANCE OF STORMWATER RUNOFF & TO ELIMINATE SOIL EROSION DURING CONSTRUCTION.

H. CONTRACTOR SHALL COVER LOADED TRUCKS WITH TARPULINS.

I. CONTRACTOR SHALL REMOVE EXCESS DIRT FROM WORK SITE ON A DAILY BASIS.

J. BUILT-UP SEDIMENT WILL BE REMOVED FROM THE STAKED SILT FENCE WHEN IT REACHES ONE-THIRD OF THE FENCE BARRIER OR WHENEVER FLOW IS IMPEDED.

K. AT NO TIME SHOULD SEDIMENTS BE ALLOWED TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

L. STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL SHALL BE PROTECTED AGAINST ACCIDENTAL TRANSPORTATION FROM PROJECT SITE BY WIND & WATER FLOW.

M. ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT WATER CANNOT GAIN ENTRY INTO THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHER WISE TREATED TO REMOVE SEDIMENTS.

9. THE FOLLOWING NON-STORMWATER DISCHARGES ARE PROHIBITED:

A. WASTEWATER FROM WASHOUT OF CONCRETE.

B. WASTEWATER FROM WASHOUT AND CLEANOUTS OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.

C. FUELS, OILS, OR OTHER POLLUTANTS ASSOCIATED WITH VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.

D. SOAPS OR SOLVENTS USED IN VEHICLE OR EQUIPMENT WASHING OR CLEANING.
10. POLLUTION PREVENTION CONTROLS. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO ACCOMPLISH ALL OF THE FOLLOWING:

A. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. TREAT WASH WATERS USING A TREATMENT SYSTEM SO THAT THEY DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF WATER QUALITY STANDARDS.

B. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER.

C. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS; AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES.

D. CONTROL WASTES, SUCH AS DISCARDED BUILDING MATERIALS, CHEMICALS, LITTER, AND SANITARY WASTE, IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS.

E. FOLLOW ALL APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER, AND SEPTIC SYSTEM REGULATIONS.

F. USE PROPER APPLICATION RATES AND METHODS FOR FERTILIZERS, HERBICIDES, AND PESTICIDES. SET FORTH HOW THESE PROCEDURES WILL BE IMPLEMENTED AND ENFORCED. APPLY NUTRIENTS ONLY AT RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION AND CONSISTENT WITH ALL LABELING REQUIREMENTS.

G. LIMIT THE APPLICATION, GENERATION, AND MIGRATION OF TOXIC SUBSTANCES; AND PROPERLY STORE AND DISPOSE OF TOXIC MATERIALS.
11. EROSION AND SEDIMENT CONTROLS. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF APPROPRIATE EROSION AND SEDIMENT CONTROLS TO ACCOMPLISH ALL OF THE FOLLOWING:

A. CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION.

B. CONTROL STORMWATER PEAK DISCHARGE RATES AND VOLUME TO MINIMIZE EROSION AT DISCHARGE OUTFALLS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAMBANK EROSION.

C. MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING THE CONSTRUCTION ACTIVITY.

D. MINIMIZE THE DISTURBANCE OF STEEP SLOPES.

E. MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. THE DESIGN, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS SHALL ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY, AND DURATION OF PRECIPITATION; THE NATURE OF THE RESULTING STORMWATER; AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON THE SITE.

F. MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS ONTO PAVED SURFACES AND THE GENERATION OF DUST. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.

G. WHERE FEASIBLE, DIRECT STORMWATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION AND TO PROVIDE AND MAINTAIN NATURAL BUFFERS ADJACENT TO SURFACE WATERS OF THE STATE.

H. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
12. INSPECTIONS. AN INSPECTOR QUALIFIED IN ACCORDANCE WITH PART II.12. OF DEP DOCUMENT NO. 62-621.300(4)(A), EFFECTIVE FEBRUARY 17, 2009, INCORPORATED BY REFERENCE IN PARAGRAPH 62-621.300(4)(A), F.A.C., (PROVIDED BY THE OWNER OR OPERATOR) SHALL PERFORM ALL REQUIRED SITE INSPECTIONS. SITE INSPECTIONS MUST INCLUDE ALL POINTS OF DISCHARGE INTO SURFACE WATERS OR AN MS4;

DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED; AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; STRUCTURAL CONTROLS; AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. SITE INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. INSPECTIONS SHALL INCLUDE:

- A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT MEASURES ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS, INCLUDING RETAINING SEDIMENT ONSITE PURSUANT TO RULE 62-40.432, F.A.C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPS, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF NEEDED, POLLUTION PREVENTION CONTROLS, BMPS, AND MEASURES IDENTIFIED IN THE PLAN SHALL BE REVISED AS NECESSARY TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPS, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN. SUCH REVISIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION; NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION; THE DATE(S) OF THE INSPECTION; RAINFALL DATA; MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN; AND ACTIONS TAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PERMIT, SHALL BE MADE AND RETAINED AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

14. CONTRACTOR SHALL KEEP RUNOFF VELOCITIES LOW AND RETAIN RUNOFF ON SITE.

15. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN NPDES STORMWATER PERMIT COVERAGE BY SUBMITTING THE FOLLOWING TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).

A. PREPARE AND SUBMIT A CGP NOTICE OF INTENT (NOI) (DEP FORM 62-621.300(4)(B)

B. DEVELOP AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN PART, THE PLAN MUST INCLUDE THE FOLLOWING:

A SITE EVALUATION OF HOW AND WHERE POLLUTANTS MAY BE MOBILIZED BY STORMWATER.

A SITE PLAN FOR MANAGING STORMWATER RUNOFF.

IDENTIFICATION OF APPROPRIATE EROSION AND SEDIMENT CONTROLS AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs) TO REDUCE EROSION, SEDIMENTATION, AND STORMWATER POLLUTION.

A MAINTENANCE AND INSPECTION SCHEDULE.

A RECORD KEEPING PROCESS.

IDENTIFICATION OF STORMWATER EXIT AREAS.

C. PREPARE AND SUBMIT A NOTICE OF TERMINATION (NOT) (DEP FORM 62-621.300(6) IN ORDER TO DISCONTINUE PERMIT COVERAGE. ALSO AN NOT MAY BE SUBMITTED ONLY WHEN THE SITE MEETS THE ELIGIBILITY REQUIREMENTS FOR TERMINATION SPECIFIED IN THE CGP.



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PROJECT:

DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

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SWPP NOTES

SHEET NO.

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SHEET 9 OF 42

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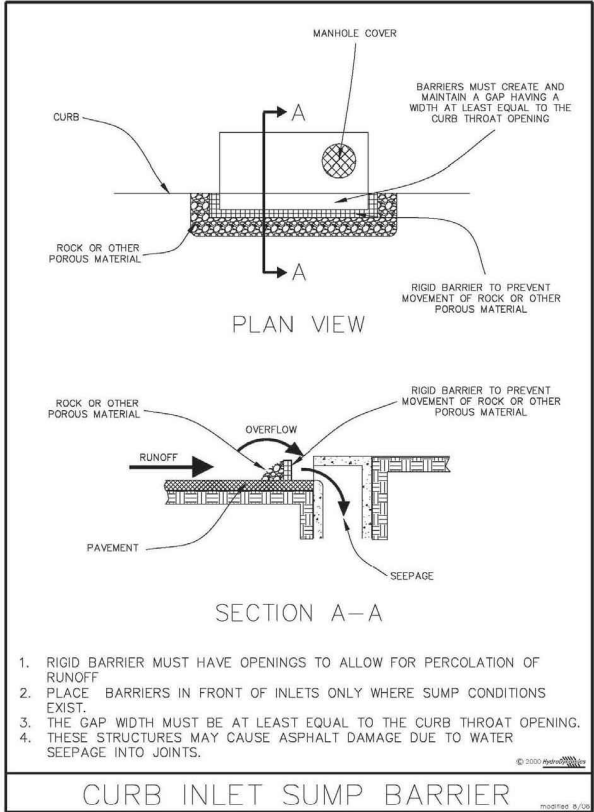


Figure V-48: Illustration of a Curb Inlet "Sump" Barrier

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V-23

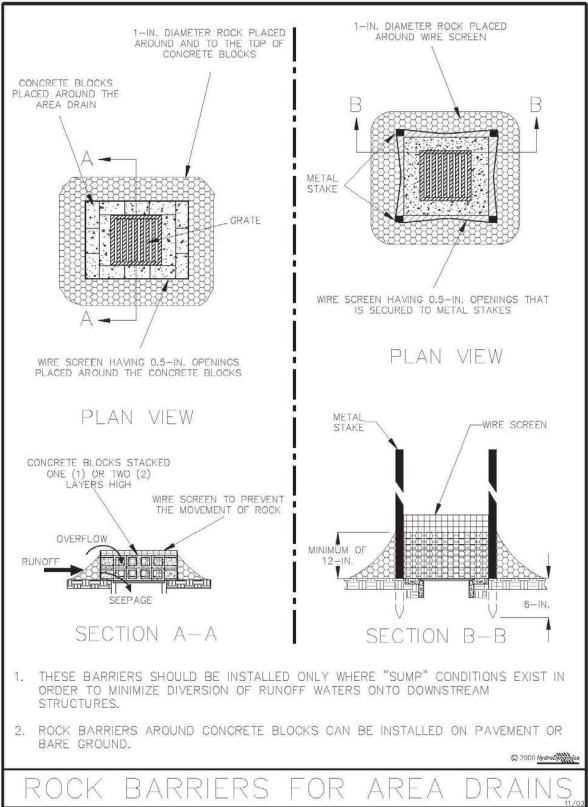


Figure V-46: Illustration of Rock Barriers around Area Drains

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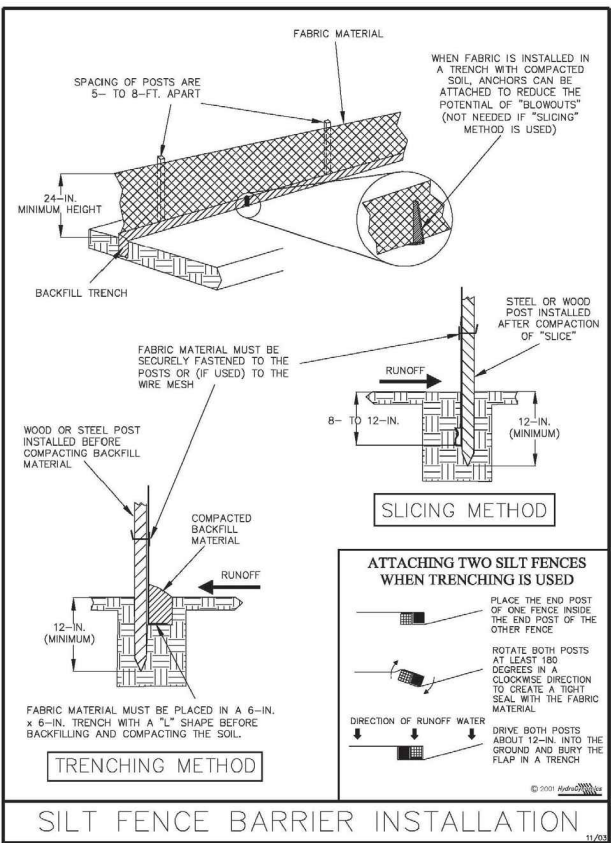


Figure V-40: Illustration of a Silt Fence Barrier

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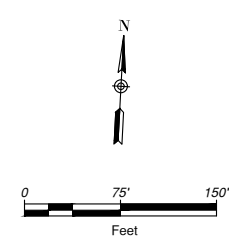
**SWPP DETAILS**

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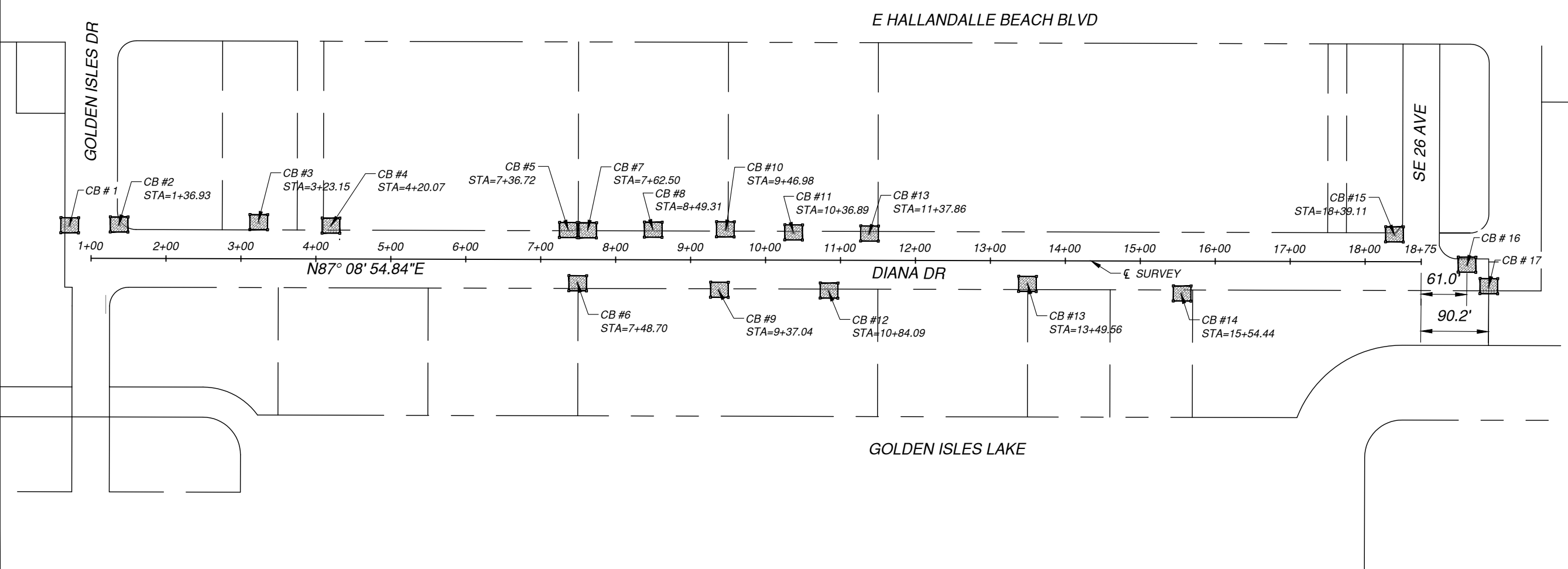
SHEET 10 OF 42

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**LEGEND**

- PROTECT DRAINAGE INLET STRUCTURE WITH ROCK BARRIERS OR APPROVED BEST MANAGEMENT PRACTICE (BMP) EQUAL
- SILT FENCE



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**SWPP PLAN**

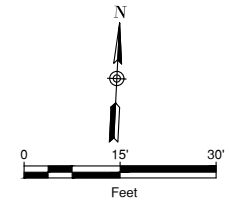
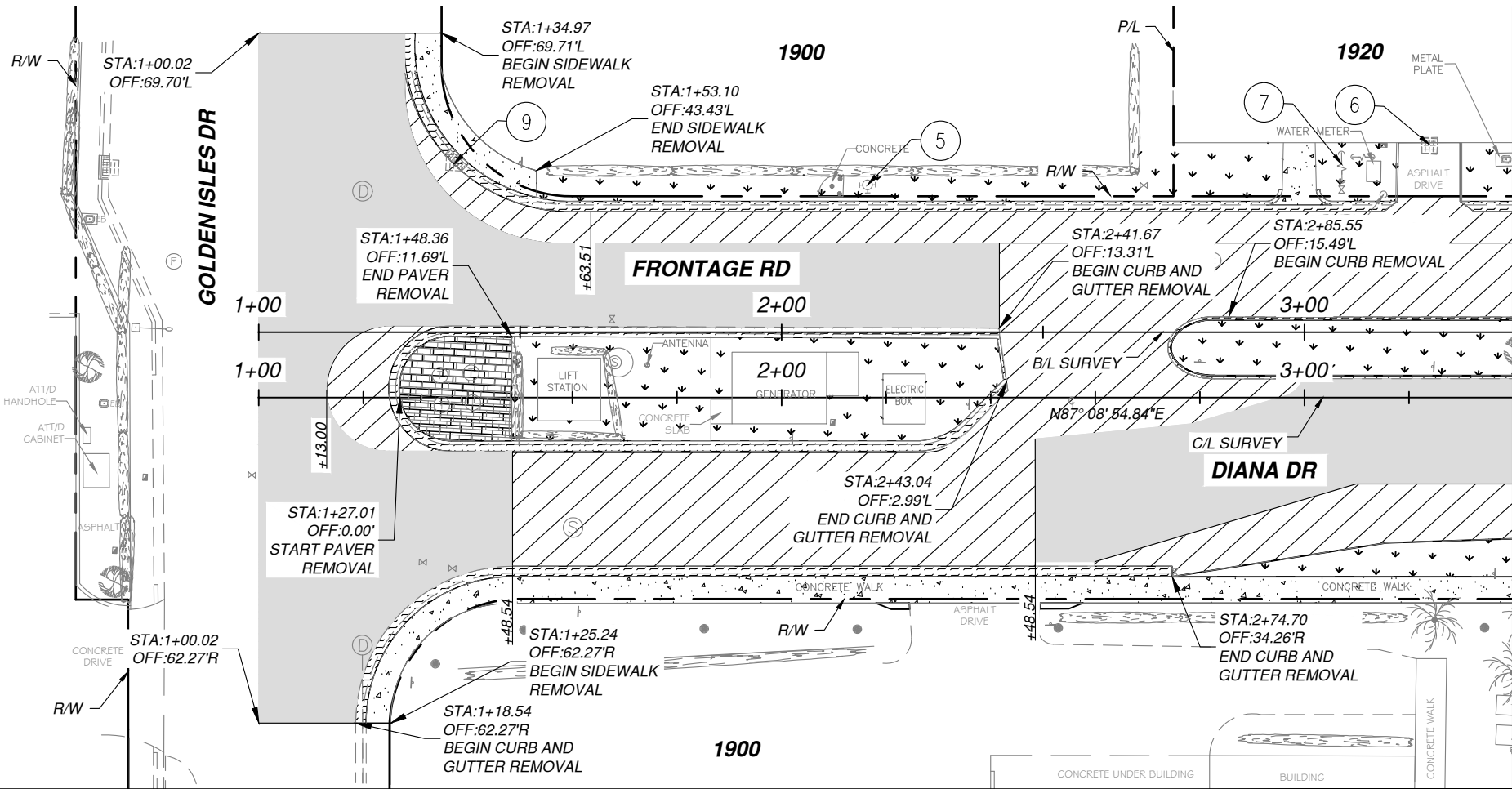
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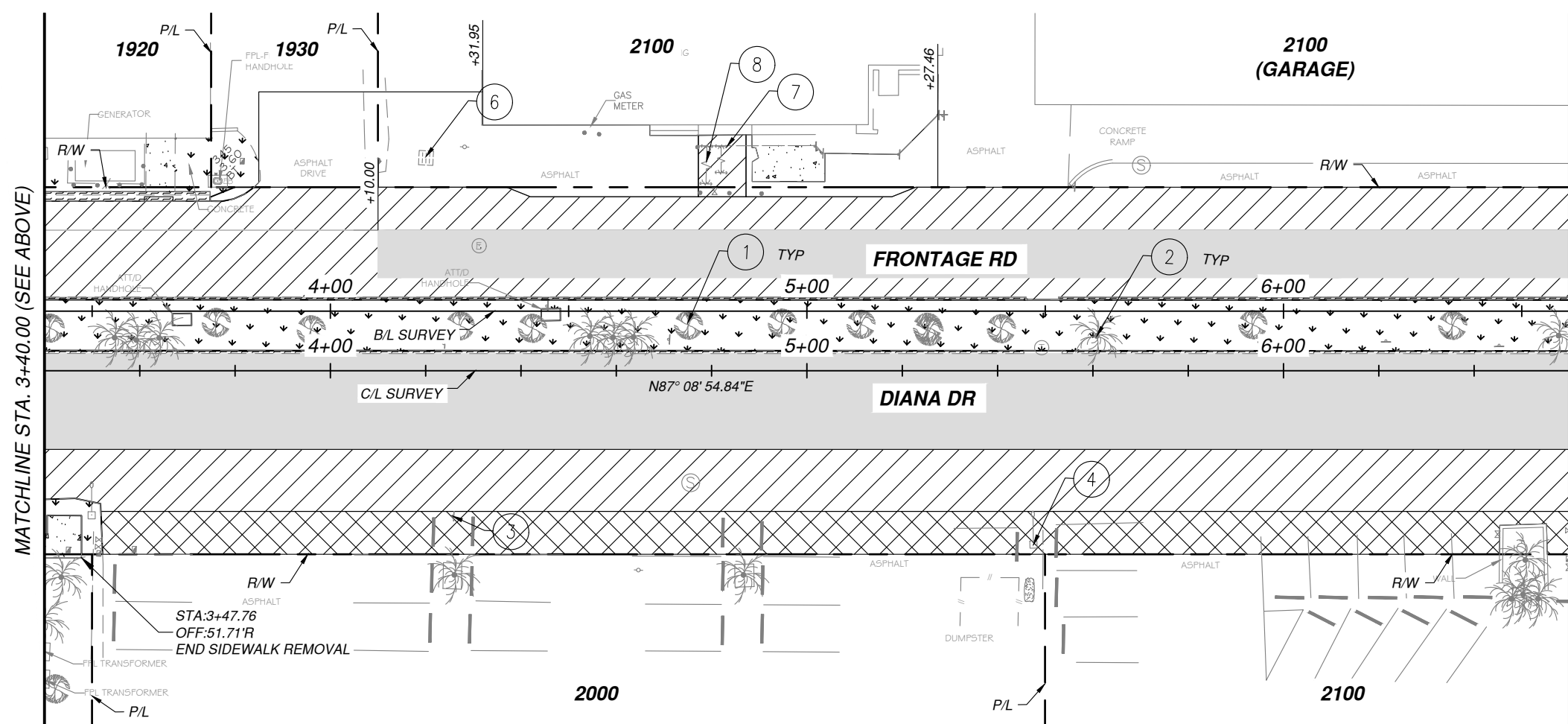
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- LEGEND**
- EXIST ROADWAY ASPHALT PAVEMENT TO BE REMOVED
  - EXIST CURB AND/OR CURB AND GUTTER TO BE REMOVED
  - EXIST CONCRETE SIDEWALK TO BE REMOVED
  - EXIST SOD TO BE REMOVED
  - EXIST BRICK PAVERS TO BE REMOVED
  - EXIST ASPHALT TO BE MILLED (0" - 2")
  - EXIST TURNOUT ASPHALT PAVEMENT TO BE REMOVED
- NOTE:**
- REMOVE ALL TREES WITHIN ROADWAY MEDIAN



- LEGEND**
- EXIST TREE TO BE REMOVED
  - EXIST PALM TO BE REMOVED
  - EXIST SIGN TO REMAIN
  - EXIST LIGHT POLE TO REMAIN
  - EXIST FIRE HYDRANT TO REMAIN
  - EXIST INLET TO REMAIN
  - EXIST WATER BACKFLOW PREVENTER TO REMAIN
  - EXIST FIRE PROTECTION DOUBLE DETECTOR CHECK VALVE TO REMAIN
  - EXIST INLET TOP TO BE REMOVED

MATCHLINE STA. 3+40.00 (SEE ABOVE)

MATCHLINE STA. 6+60.00 (SEE SHEET DM-2.0)

**Hallandale Beach**  
DEPARTMENT OF PUBLIC WORKS  
630 NW 2nd STREET  
HALLANDALE BEACH, FL 33009  
PH: 954-457-1600  
FAX: 954-457-1624

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5100 NW 33rd AVE, SUITE 243  
FORT LAUDERDALE, FL 33309  
PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011  
EAC PROJECT No. 14045.SD01-02

Always call 811 two full business days before you dig.  
**Sunshine811.com**

PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

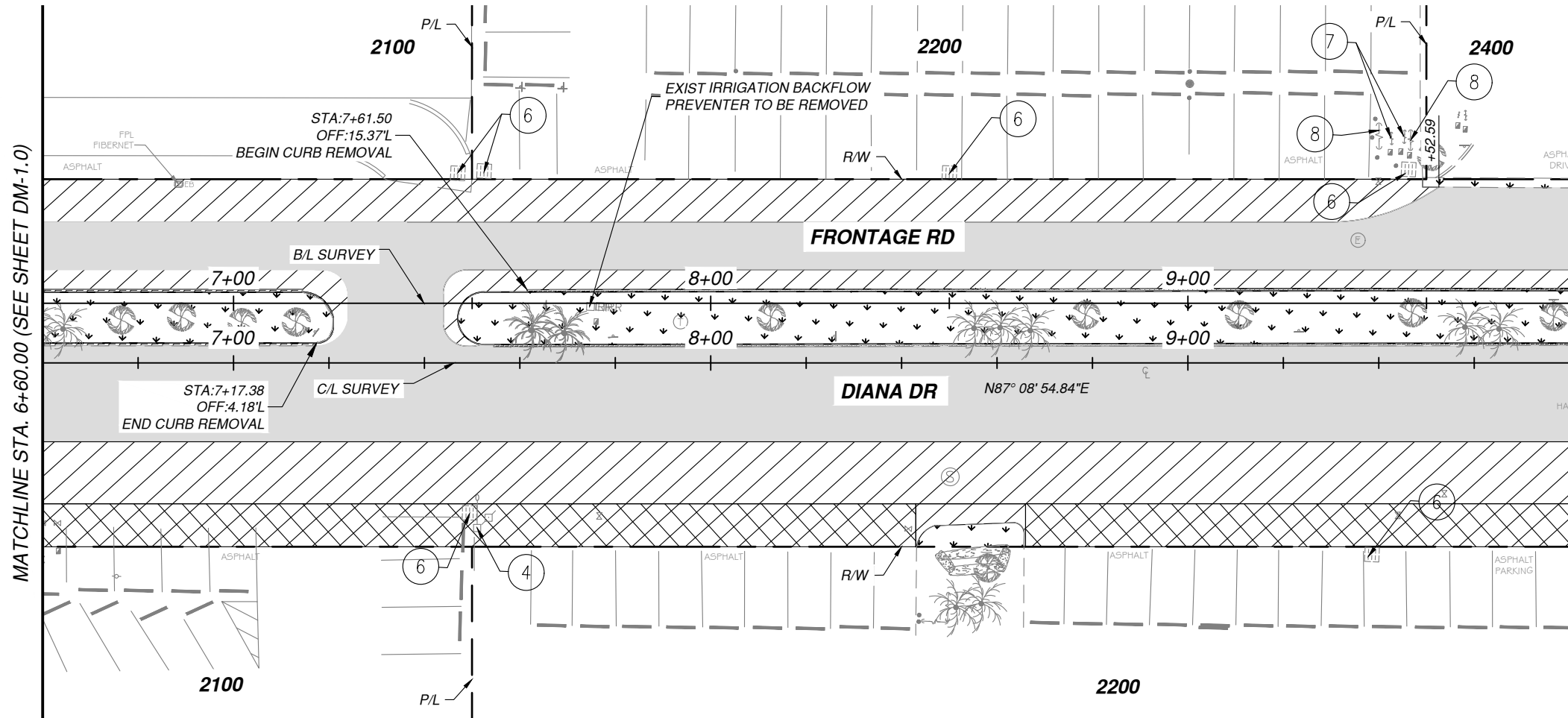
DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**DEMOLITION  
PLAN**

SHEET NO. **DM-1.0**  
SHEET 12 OF 42  
60% PHASE SUBMITTAL

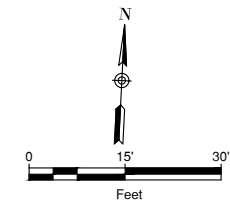


#### LEGEND

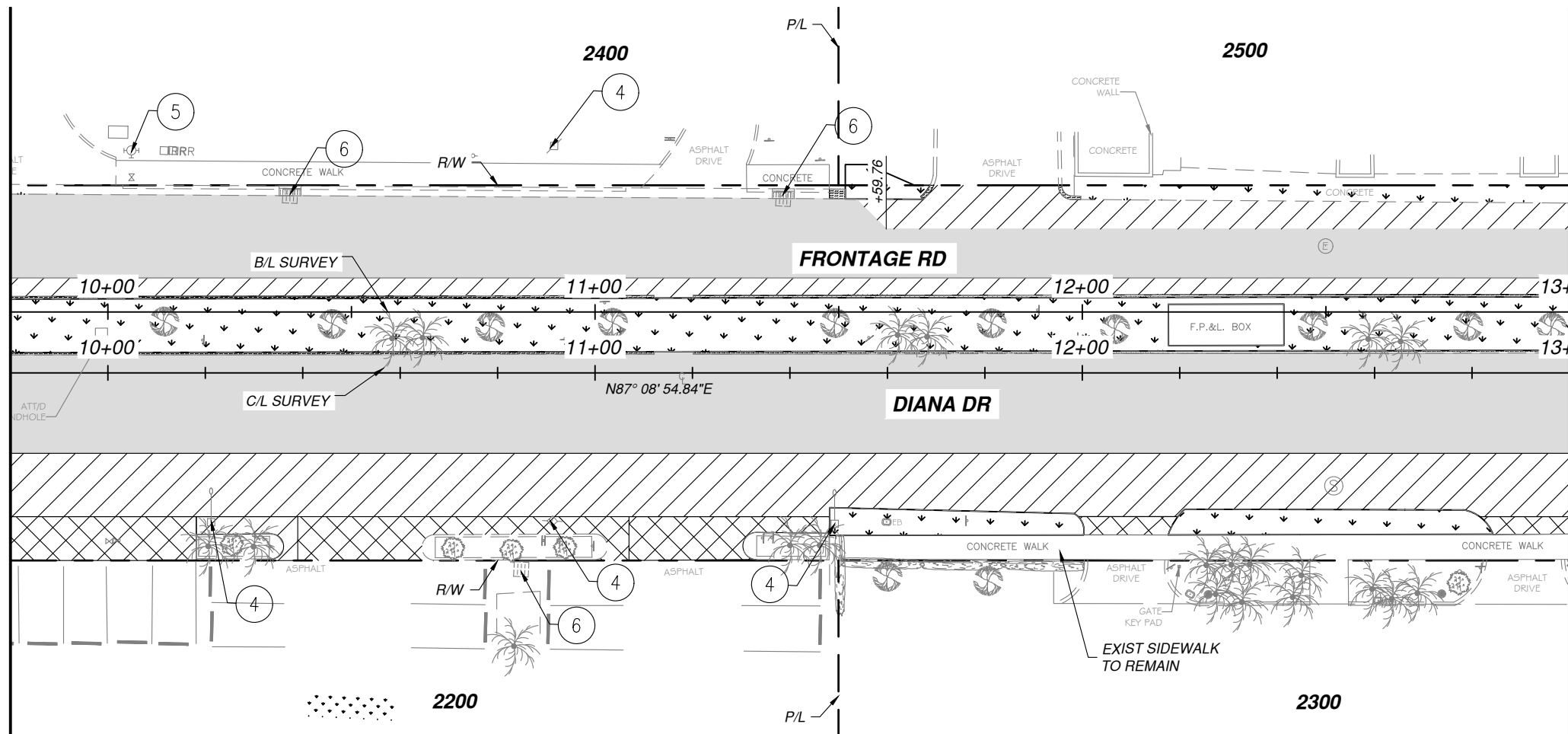
- EXIST ROADWAY ASPHALT PAVEMENT TO BE REMOVED
- EXIST CURB AND/OR CURB AND GUTTER TO BE REMOVED
- EXIST CONCRETE SIDEWALK TO BE REMOVED
- EXIST SOD TO BE REMOVED
- EXIST BRICK PAVERS TO BE REMOVED
- EXIST ASPHALT TO BE MILLED (0" - 2")
- EXIST TURNOUT ASPHALT PAVEMENT TO BE REMOVED

#### NOTE:

1. REMOVE ALL TREES WITHIN ROADWAY MEDIAN



MATCHLINE STA. 9+80.00 (SEE ABOVE)



#### LEGEND

- 1. EXIST TREE TO BE REMOVED
- 2. EXIST PALM TO BE REMOVED
- 3. EXIST SIGN TO REMAIN
- 4. EXIST LIGHT POLE TO REMAIN
- 5. EXIST FIRE HYDRANT TO REMAIN
- 6. EXIST INLET TO REMAIN
- 7. EXIST WATER BACKFLOW PREVENTER TO REMAIN
- 8. EXIST FIRE PROTECTION DOUBLE DETECTOR CHECK VALVE TO REMAIN
- 9. EXIST INLET TOP TO BE REMOVED



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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

### DIANA DRIVE ROADWAY AND DRAINAGE IMPROVEMENTS

KEY MAP:

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SHEET TITLE:

### DEMOLITION PLAN

SHEET NO. **DM-2.0**

SHEET 13 OF 42

60% PHASE SUBMITTAL



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PROJECT:

DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

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SHEET TITLE:

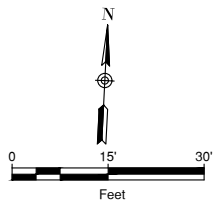
DEMOLITION  
PLAN

SHEET NO.

DM-3.0

SHEET 14 OF 42

60% PHASE SUBMITTAL



LEGEND

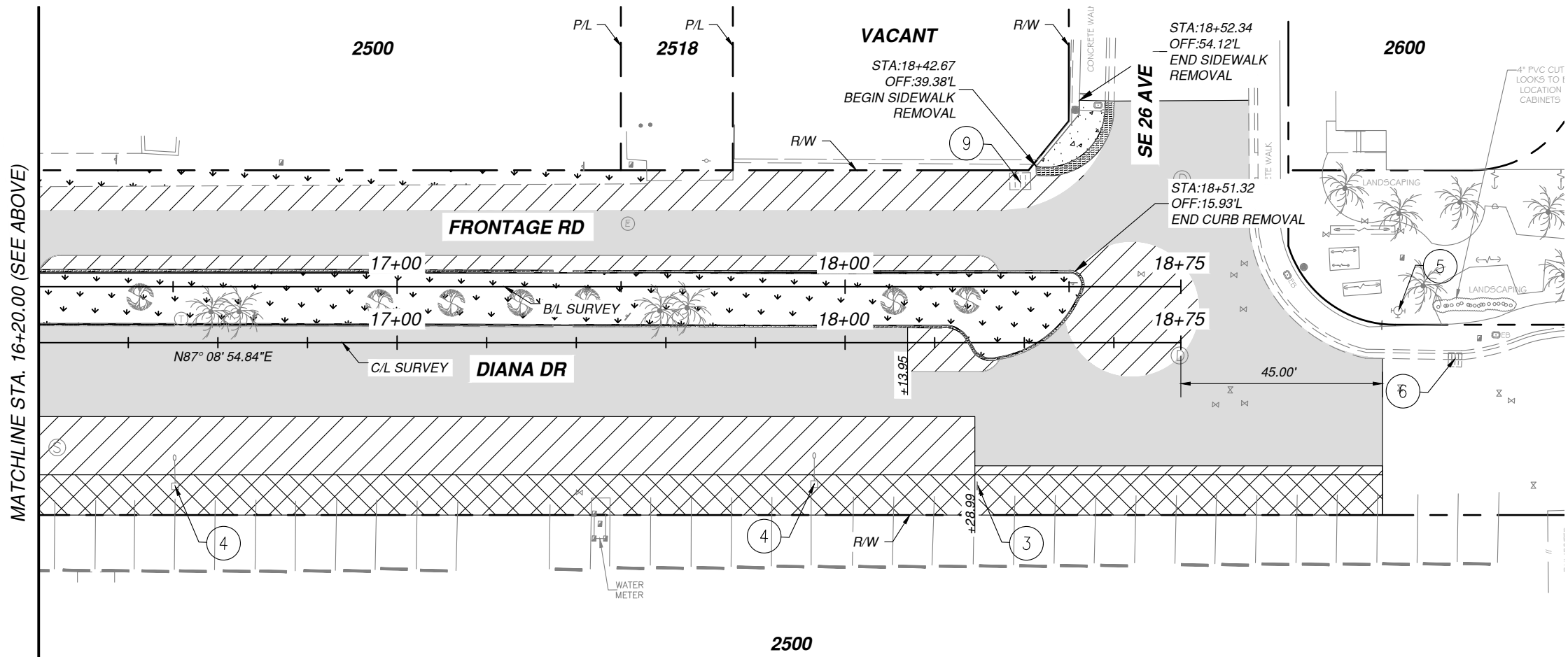
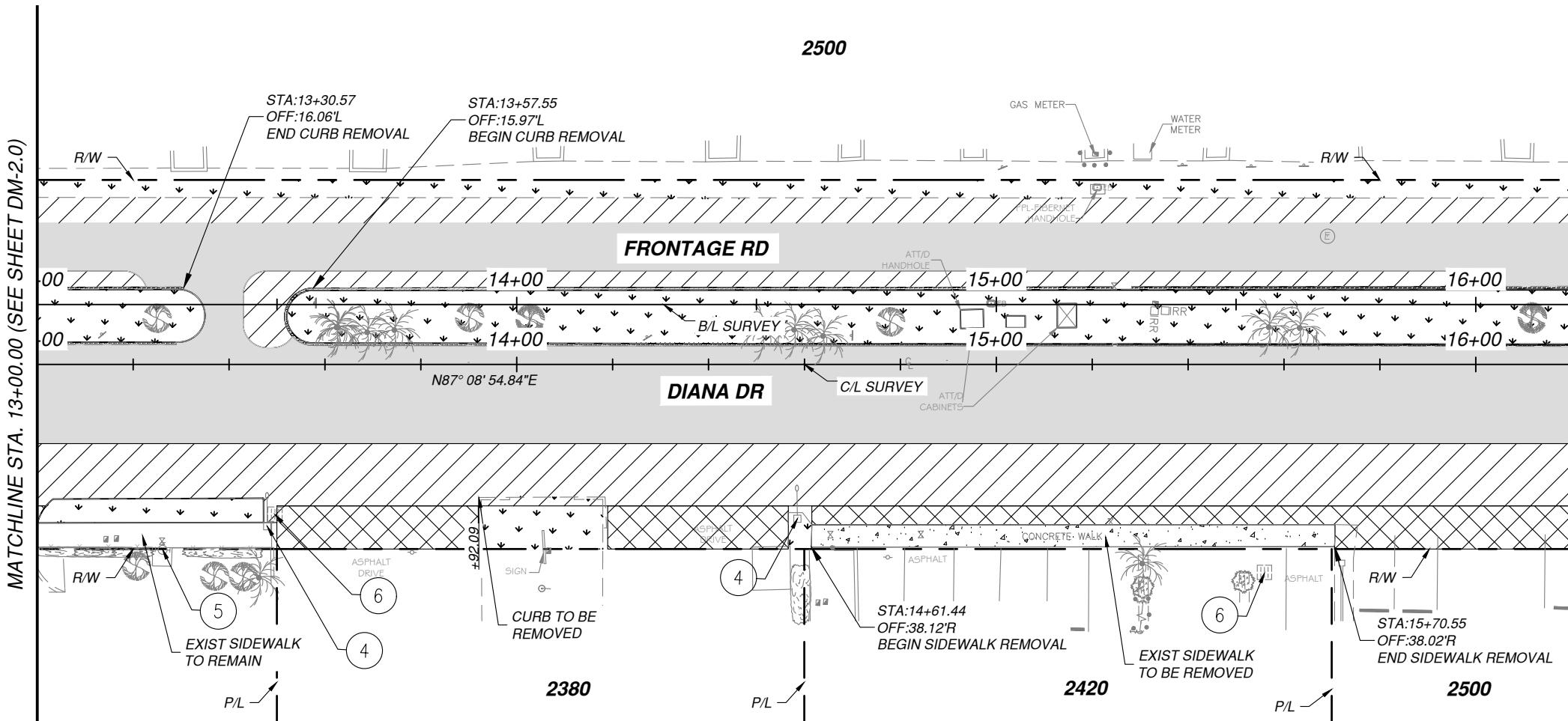
- EXIST ROADWAY ASPHALT PAVEMENT TO BE REMOVED
- EXIST CURB AND/OR CURB AND GUTTER TO BE REMOVED
- EXIST CONCRETE SIDEWALK TO BE REMOVED
- EXIST SOD TO BE REMOVED
- EXIST BRICK PAVERS TO BE REMOVED
- EXIST ASPHALT TO BE MILLED (0" - 2")
- EXIST TURNOUT ASPHALT PAVEMENT TO BE REMOVED

NOTE:

- REMOVE ALL TREES WITHIN ROADWAY MEDIAN

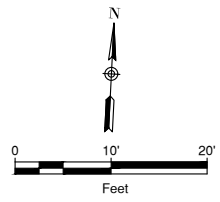
LEGEND

- EXIST TREE TO BE REMOVED
- EXIST PALM TO BE REMOVED
- EXIST SIGN TO REMAIN
- EXIST LIGHT POLE TO REMAIN
- EXIST FIRE HYDRANT TO REMAIN
- EXIST INLET TO REMAIN
- EXIST WATER BACKFLOW PREVENTER TO REMAIN
- EXIST FIRE PROTECTION DOUBLE DETECTOR CHECK VALVE TO REMAIN
- EXIST INLET TOP TO BE REMOVED





COASTAL VII APARTMENTS  
2200 E HALLANDALE BEACH BLVD  
HALLANDALE BEACH, FL 33009



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PROJECT:

DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

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SHEET TITLE:

BUILDING 2200  
DEMOLITION  
PLAN

SHEET NO.

DM-4.0

SHEET 15 OF 42

60% PHASE SUBMITTAL

2100

2400

2200

STA: 7+49.96  
OFF: -91.34 LT

STA: 7+99.30  
OFF: -91.17 LT

STA: 9+48.64  
OFF: -90.88 L

STA: 7+69.95  
OFF: -26.00 LT

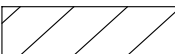
STA: 8+08.95  
OFF: -26.00 LT

STA: 9+02.88  
OFF: -26.00 LT

FRONTAGE RD

DIANA DR

LEGEND



EXIST ASPHALT PAVEMENT TO BE REMOVED



EXIST ASPHALT TO BE MILLED (0" - 1")

LEGEND

1

EXIST TREE TO BE REMOVED

2

EXIST PALM TO BE REMOVED

3

EXIST SIGN TO REMAIN

4

EXIST LIGHT POLE TO REMAIN

5

EXIST FIRE HYDRANT TO REMAIN

6

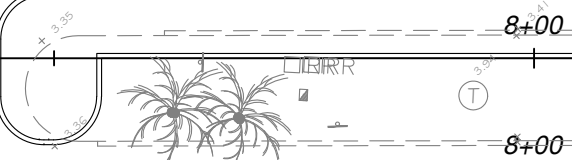
EXIST INLET TO REMAIN

7

EXIST WATER BACKFLOW PREVENTER TO  
REMAIN

8

EXIST FIRE PROTECTION DOUBLE DETECTOR  
CHECK VALVE TO REMAIN



N87° 08' 54.84"E

B/L SURVEY

C/L SURVEY

8+00

9+00

8+00

9+00

POOL DECK

STAIRS

RAMP

VARIABLE MILLING (0 - 1")

ASPHALT

ASPHALT



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PROJECT:

## DIANA DRIVE ROADWAY AND DRAINAGE IMPROVEMENTS

KEY MAP:

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SHEET TITLE:

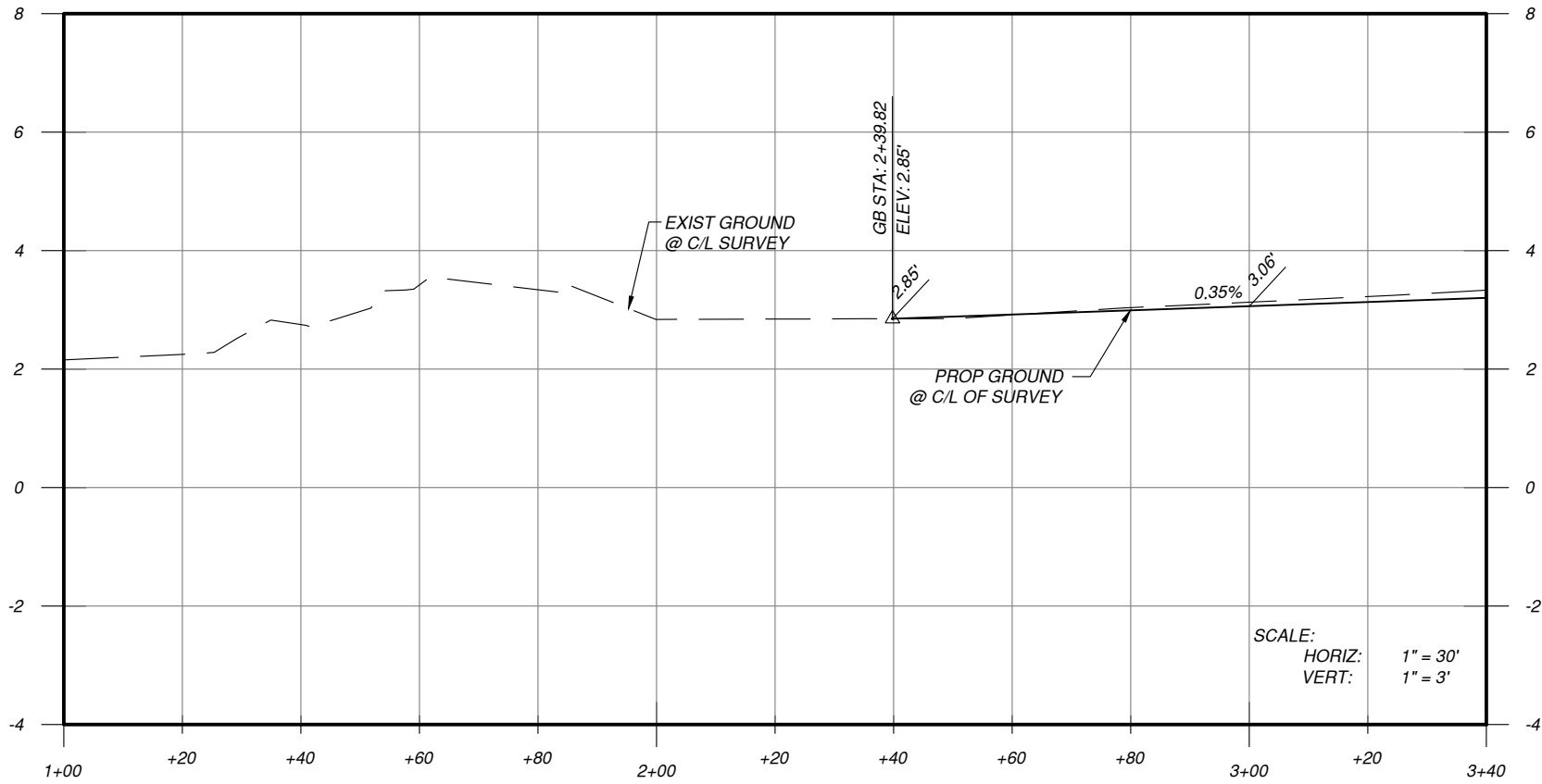
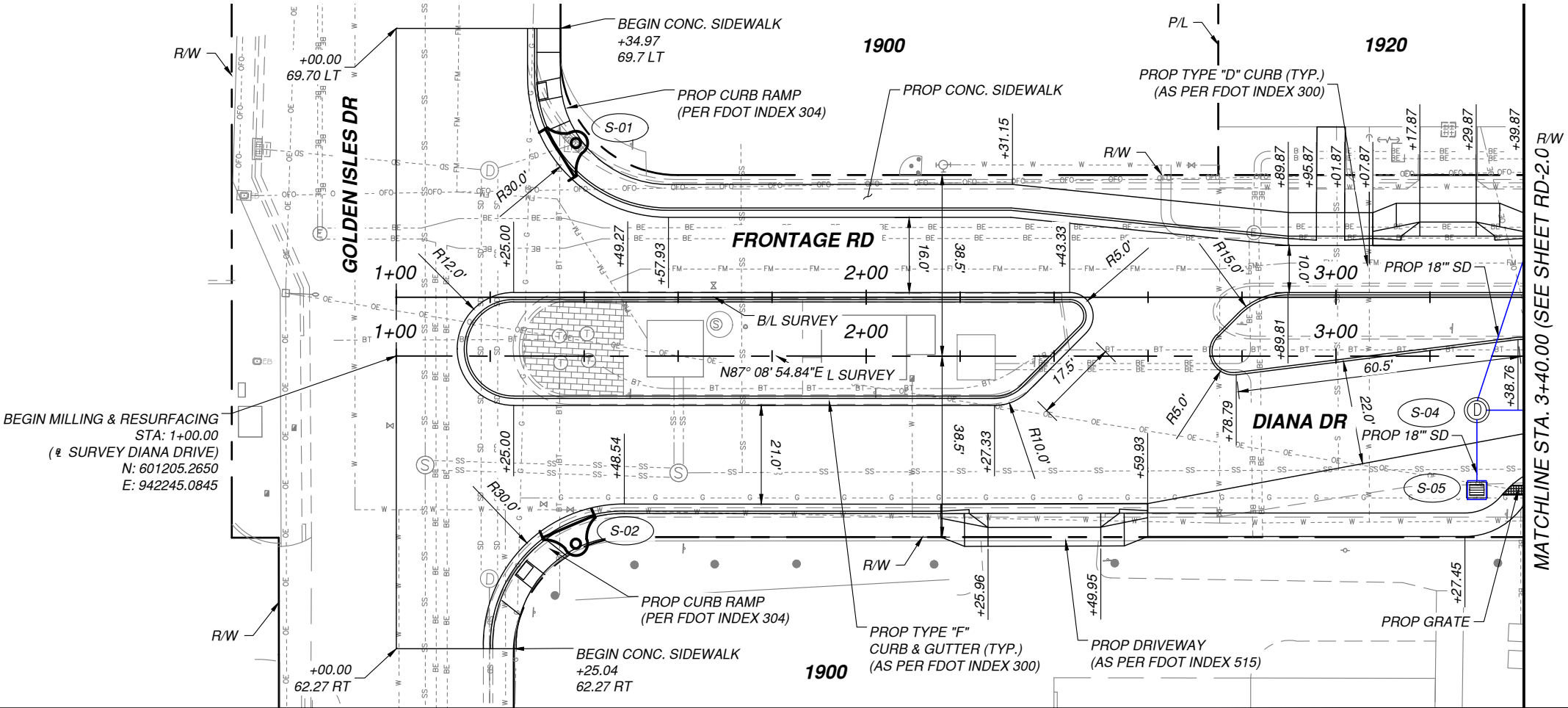
## ROADWAY PLAN & PROFILE

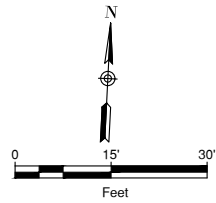
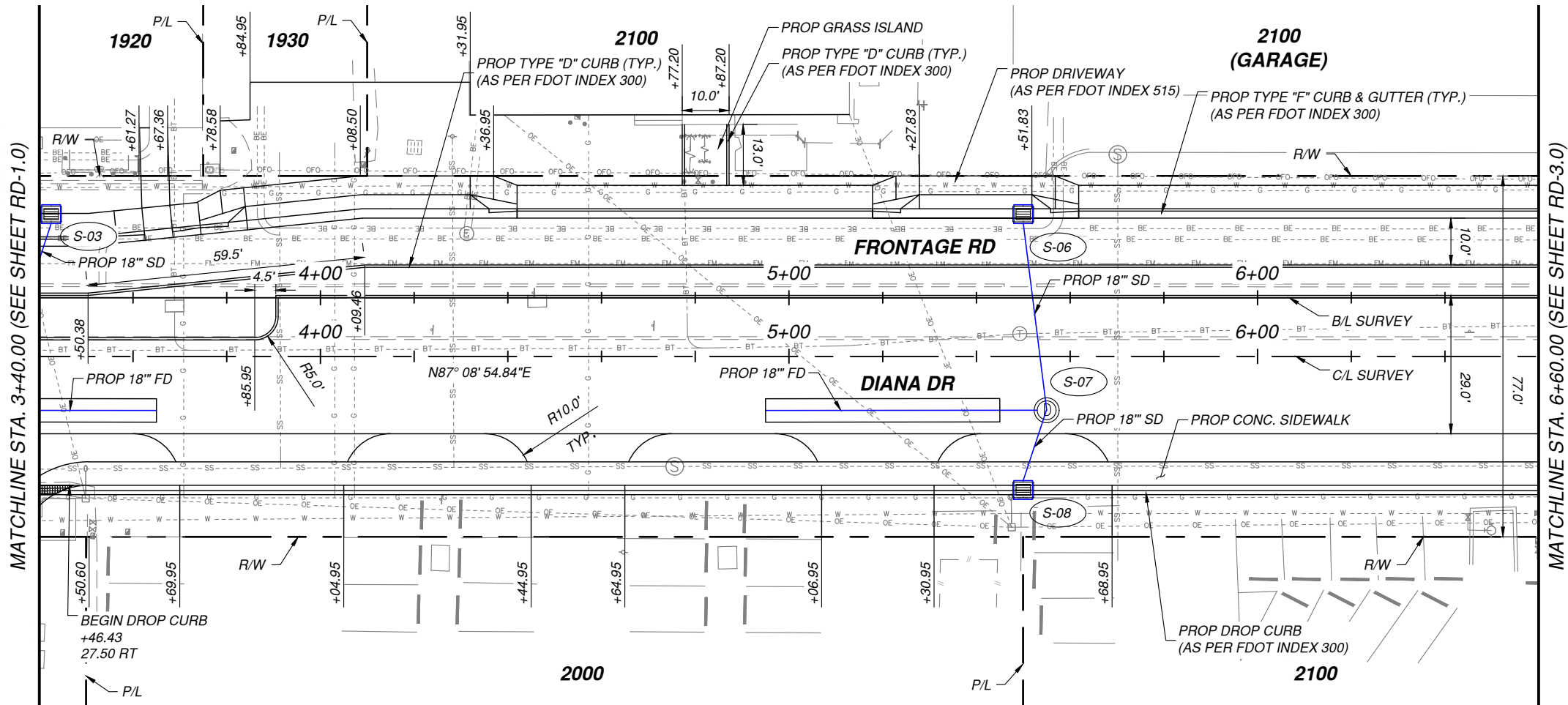
SHEET NO.

**RD-1.0**

SHEET 16 OF 42

60% PHASE SUBMITTAL





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PROJECT:  
**DIANA DRIVE  
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 AND DRAINAGE  
 IMPROVEMENTS**

KEY MAP:

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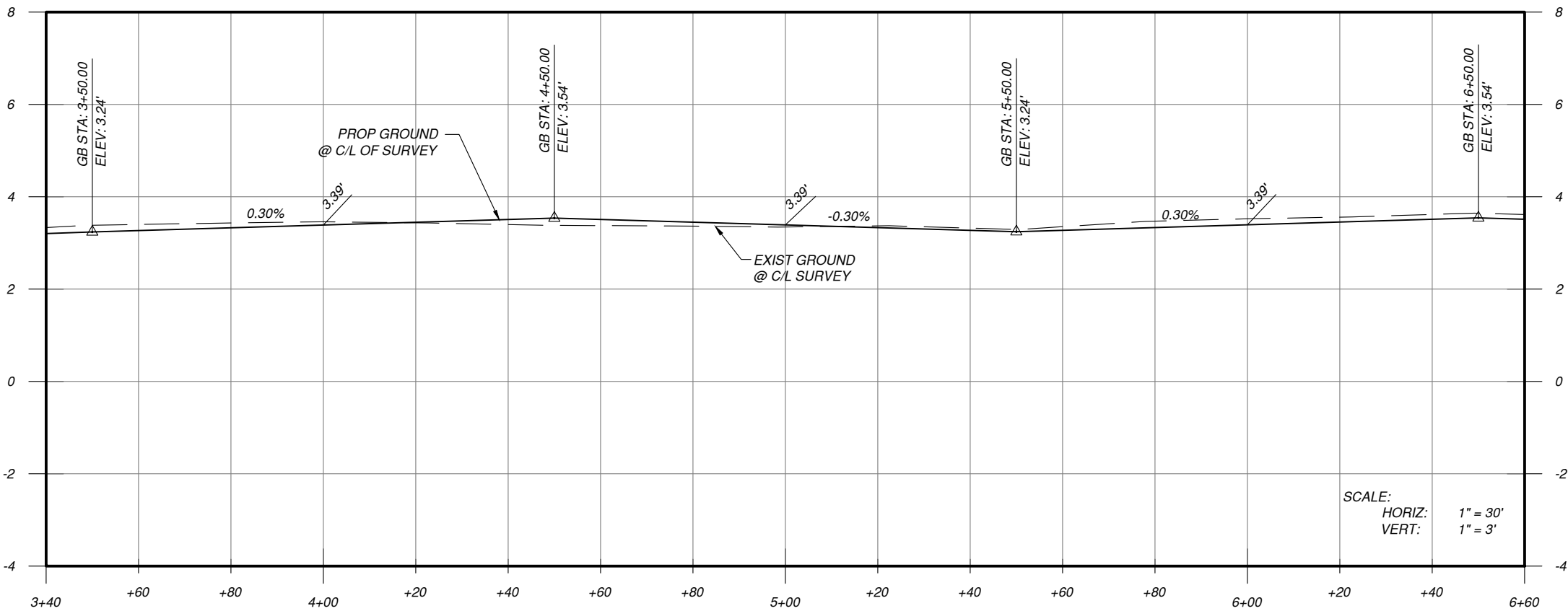
SHARI J. RAMIREZ, P.E.  
 FL LICENSE No. 73078

SHEET TITLE:  
**ROADWAY PLAN  
 & PROFILE**

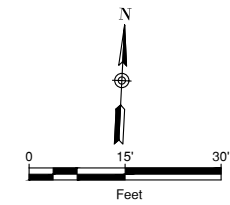
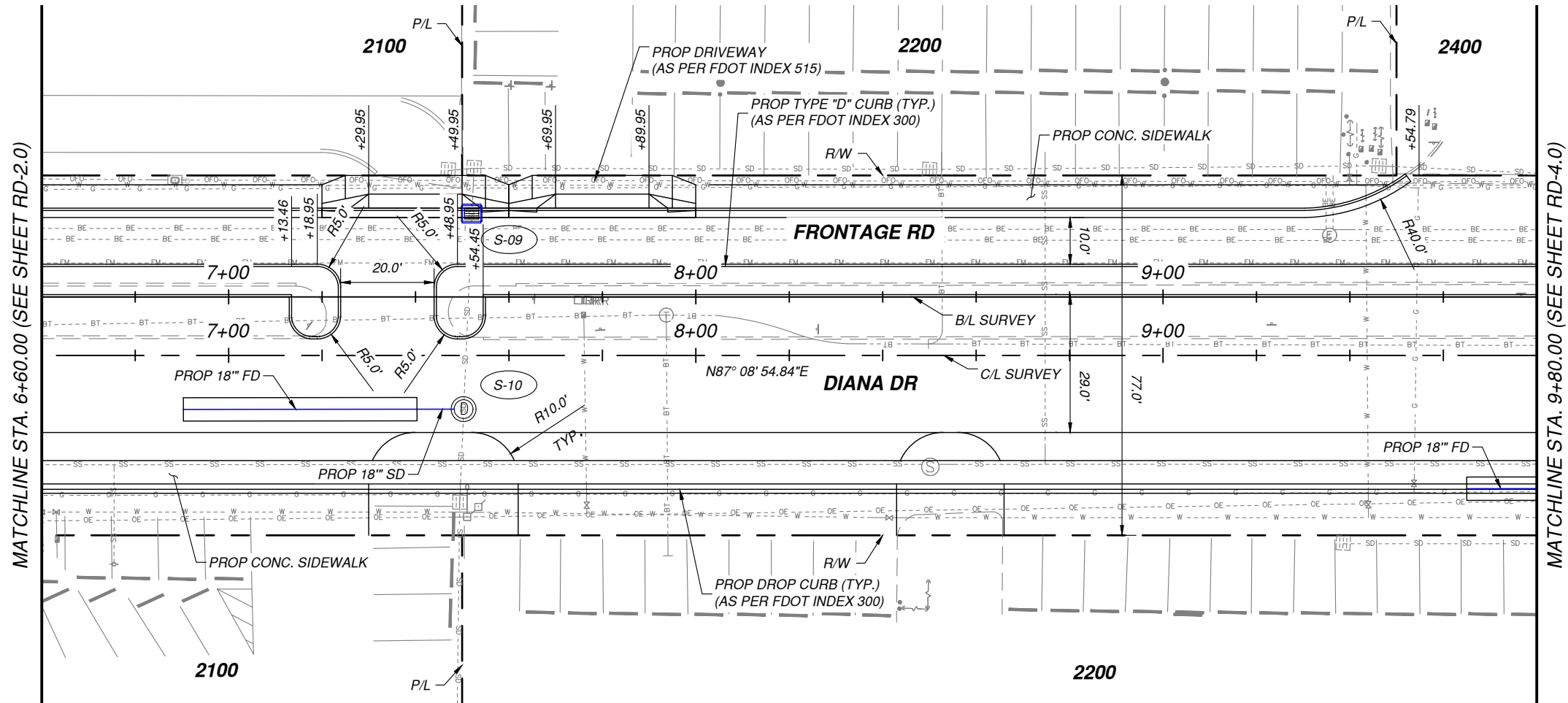
SHEET NO. **RD-2.0**

SHEET 17 OF 42

60% PHASE SUBMITTAL







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PROJECT:

**DIANA DRIVE  
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SHEET TITLE:

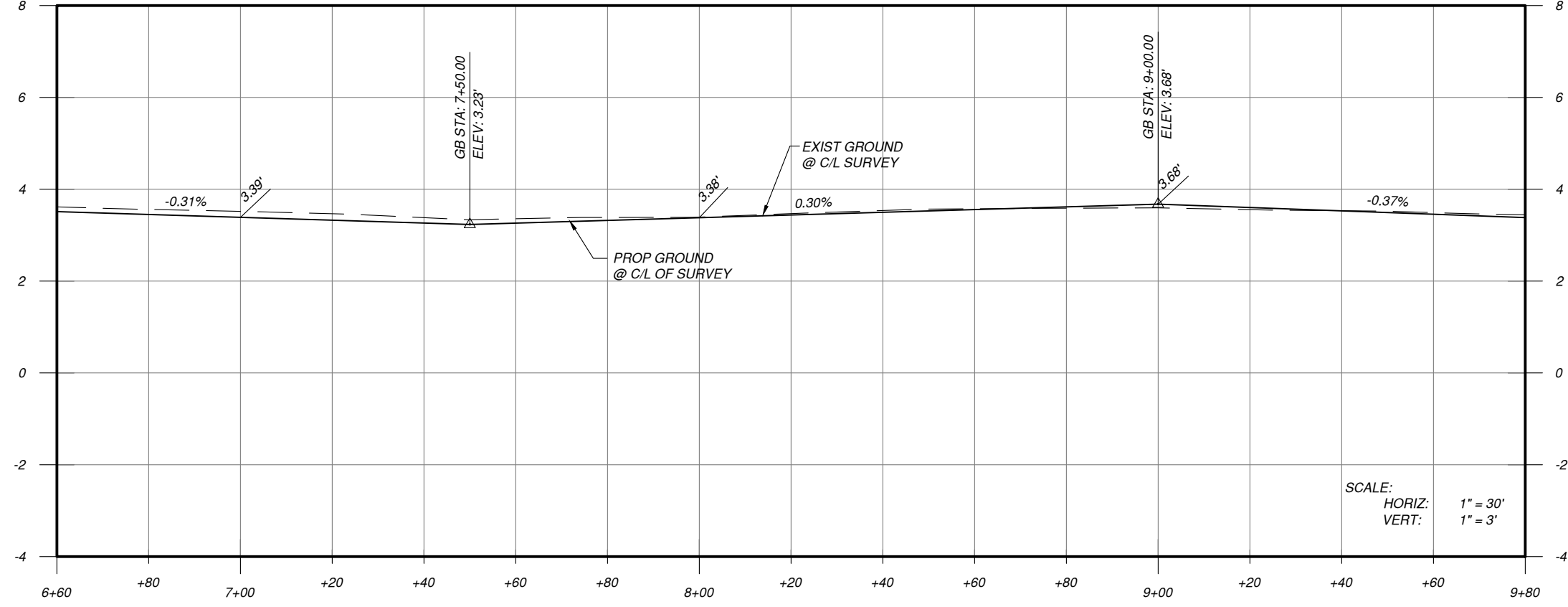
**ROADWAY PLAN  
& PROFILE**

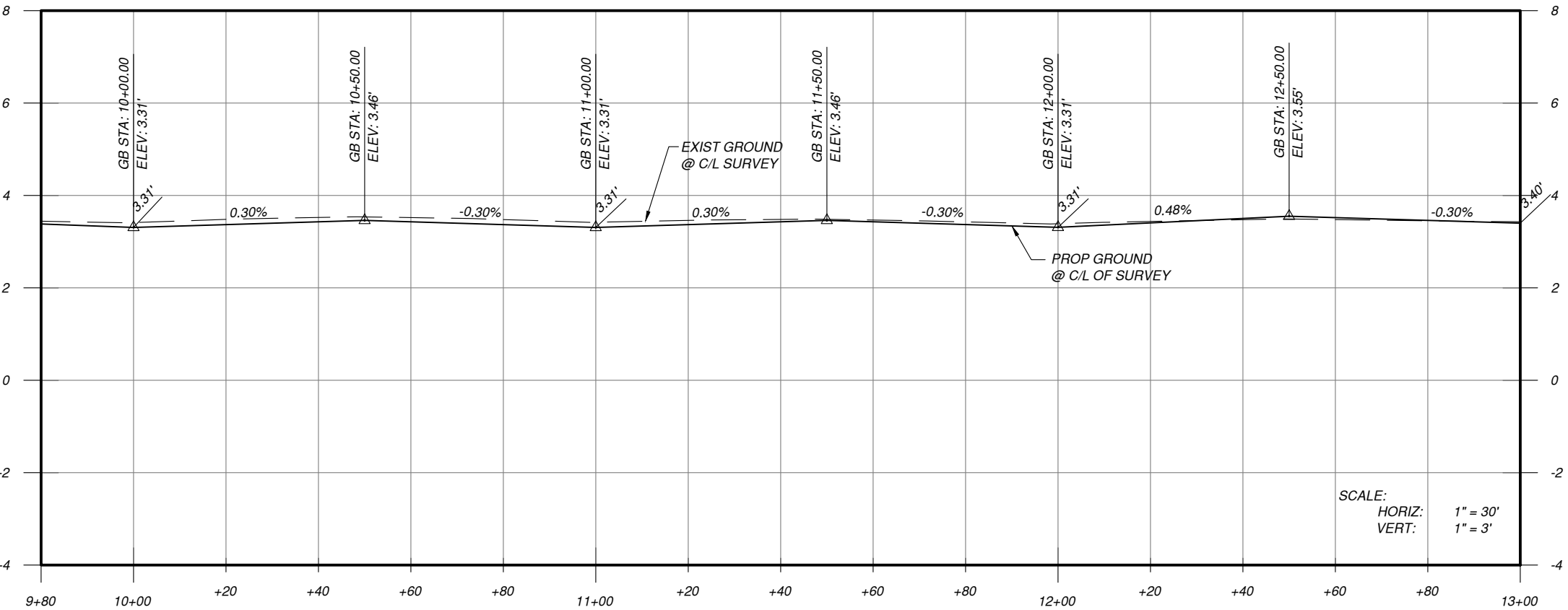
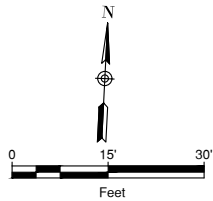
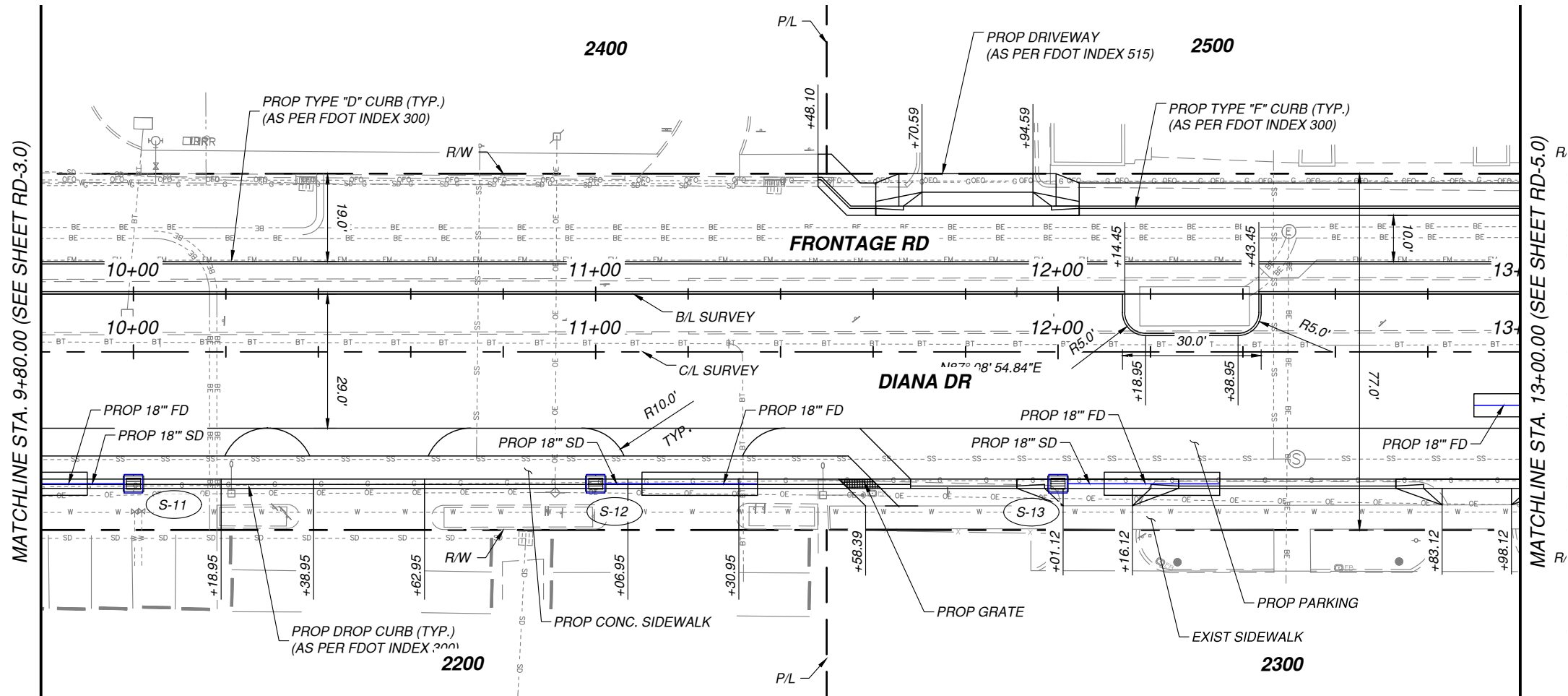
SHEET NO.

**RD-3.0**

SHEET 18 OF 42

60% PHASE SUBMITTAL





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PROJECT:

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ROADWAY  
AND DRAINAGE  
IMPROVEMENTS

KEY MAP:

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SHEET TITLE:

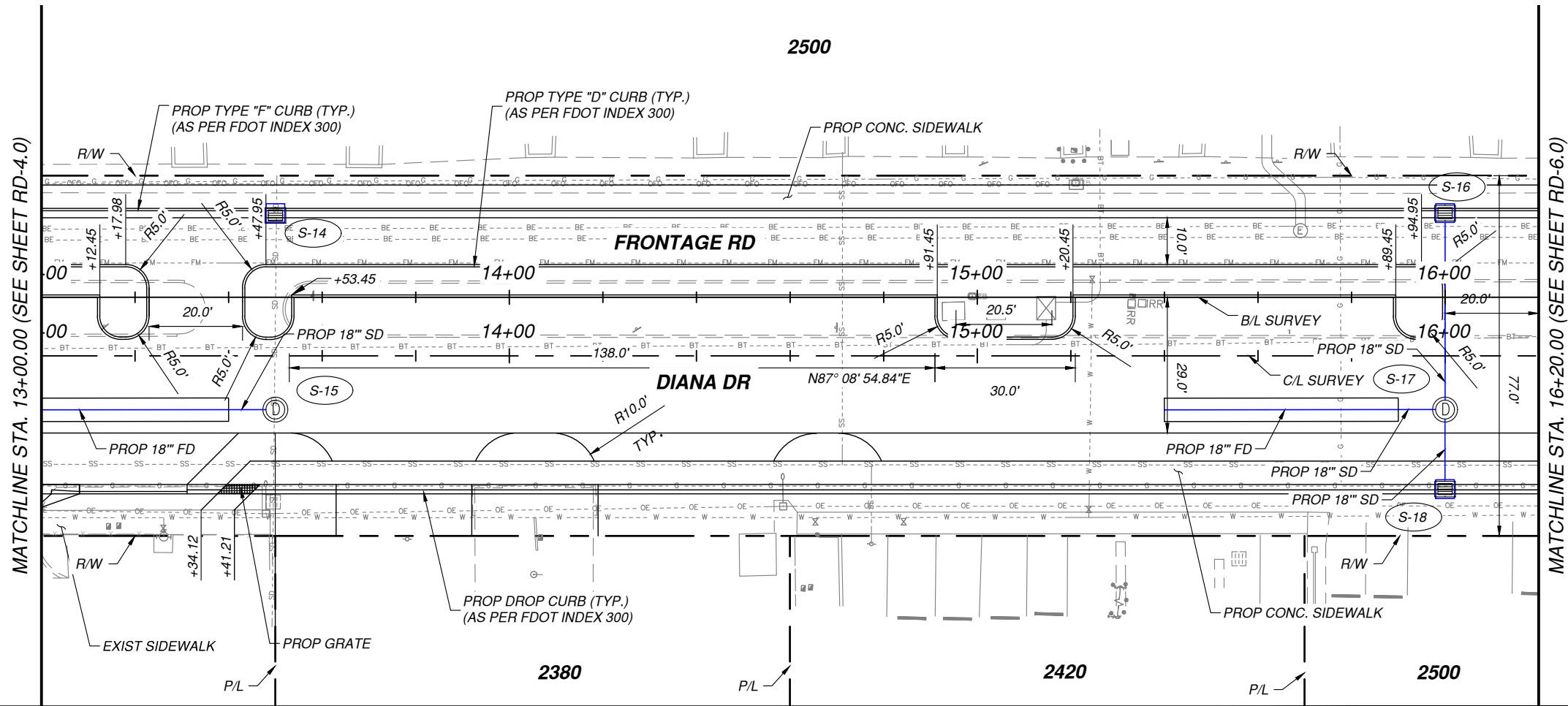
ROADWAY PLAN  
& PROFILE

SHEET NO.

RD-4.0

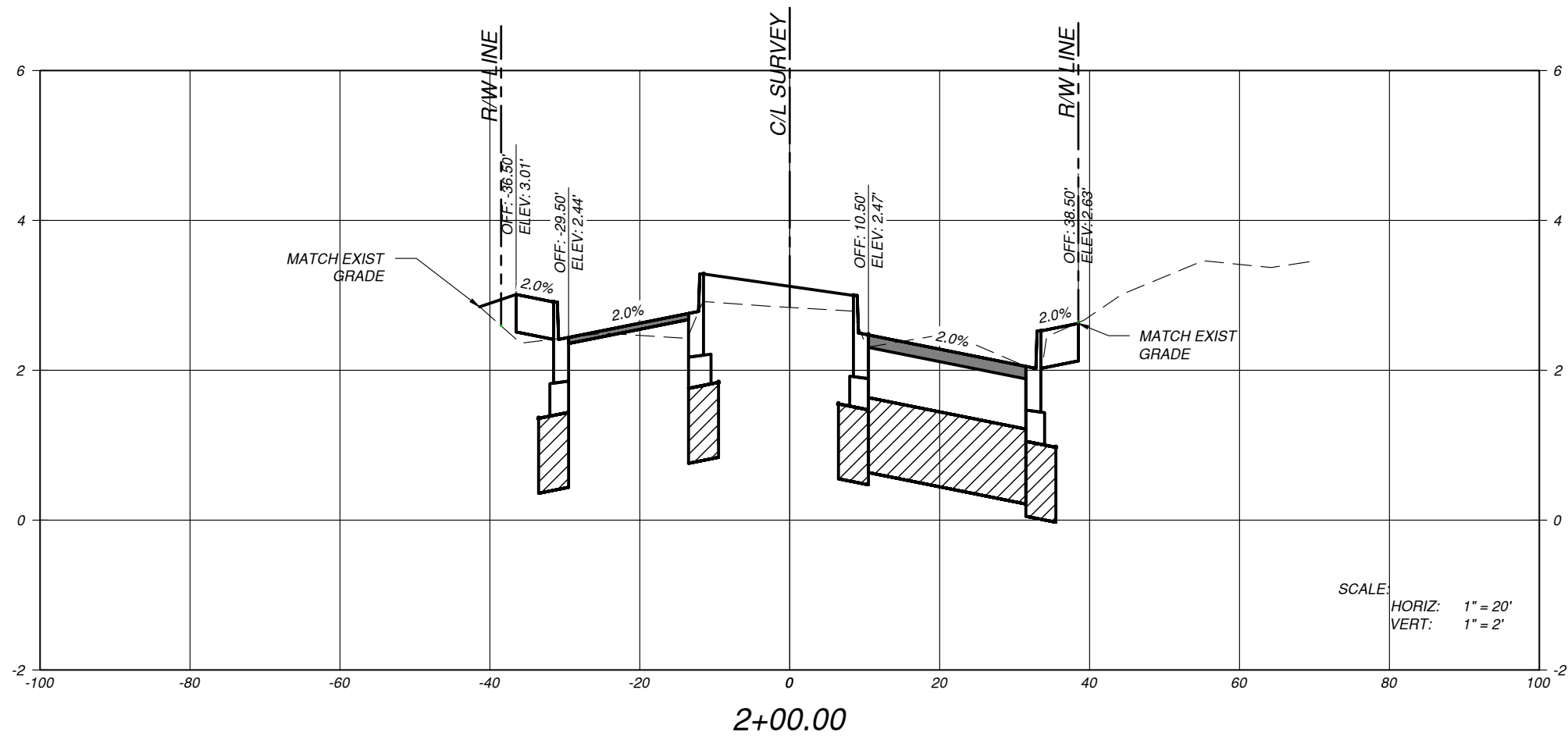
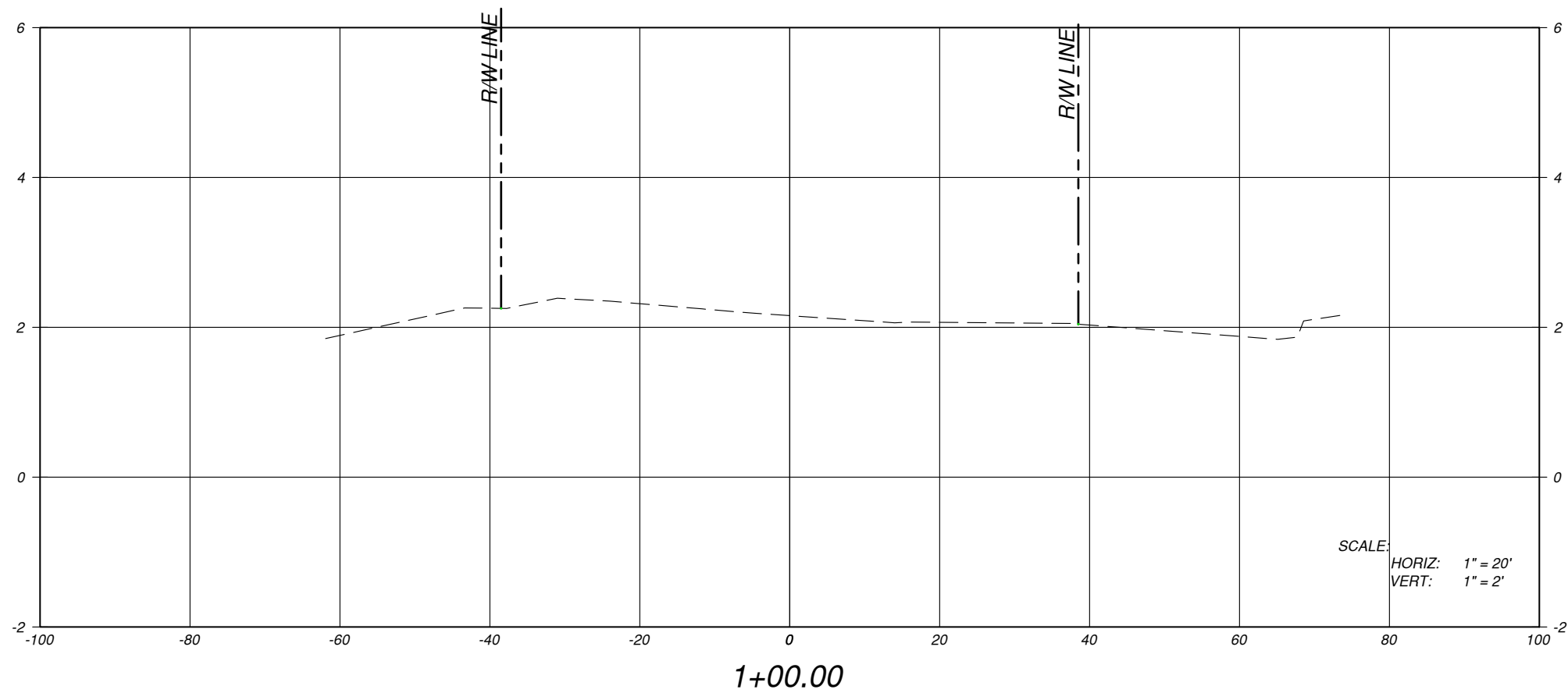
SHEET 19 OF 42

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PROJECT:  
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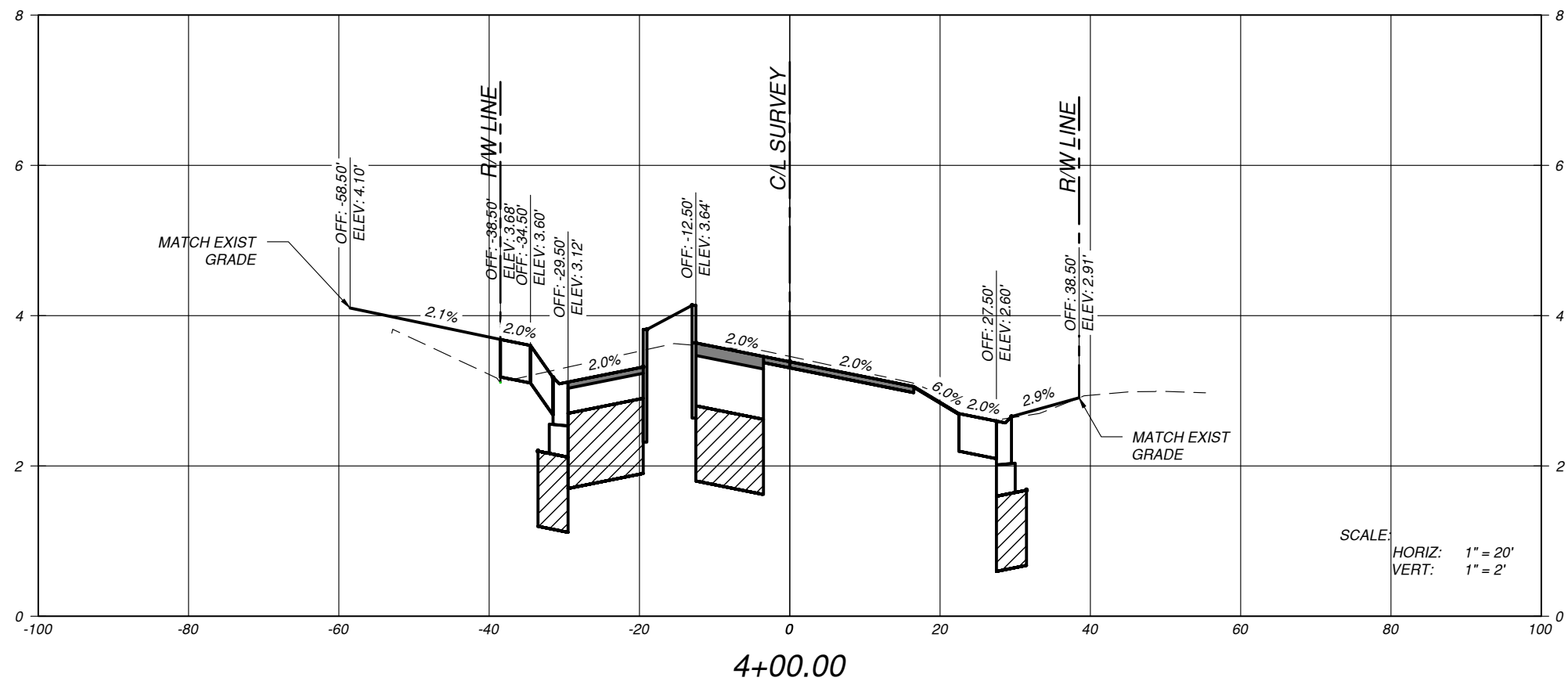
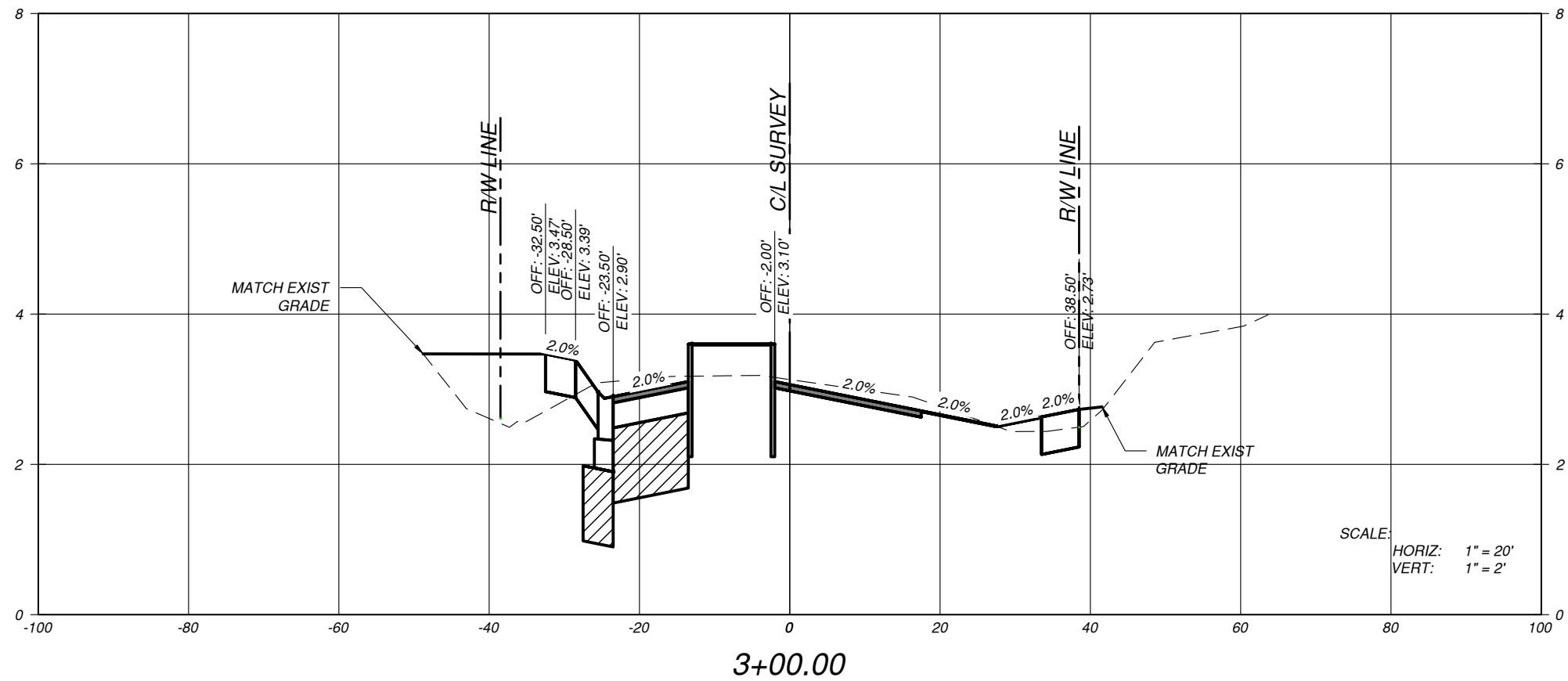
SHEET TITLE:

**CROSS  
SECTIONS**

SHEET NO. **CS-1.0**

SHEET 22 OF 42

60% PHASE SUBMITTAL



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PROJECT:

**DIANA DRIVE  
ROADWAY  
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IMPROVEMENTS**

KEY MAP:

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SHEET TITLE:

**CROSS  
SECTIONS**

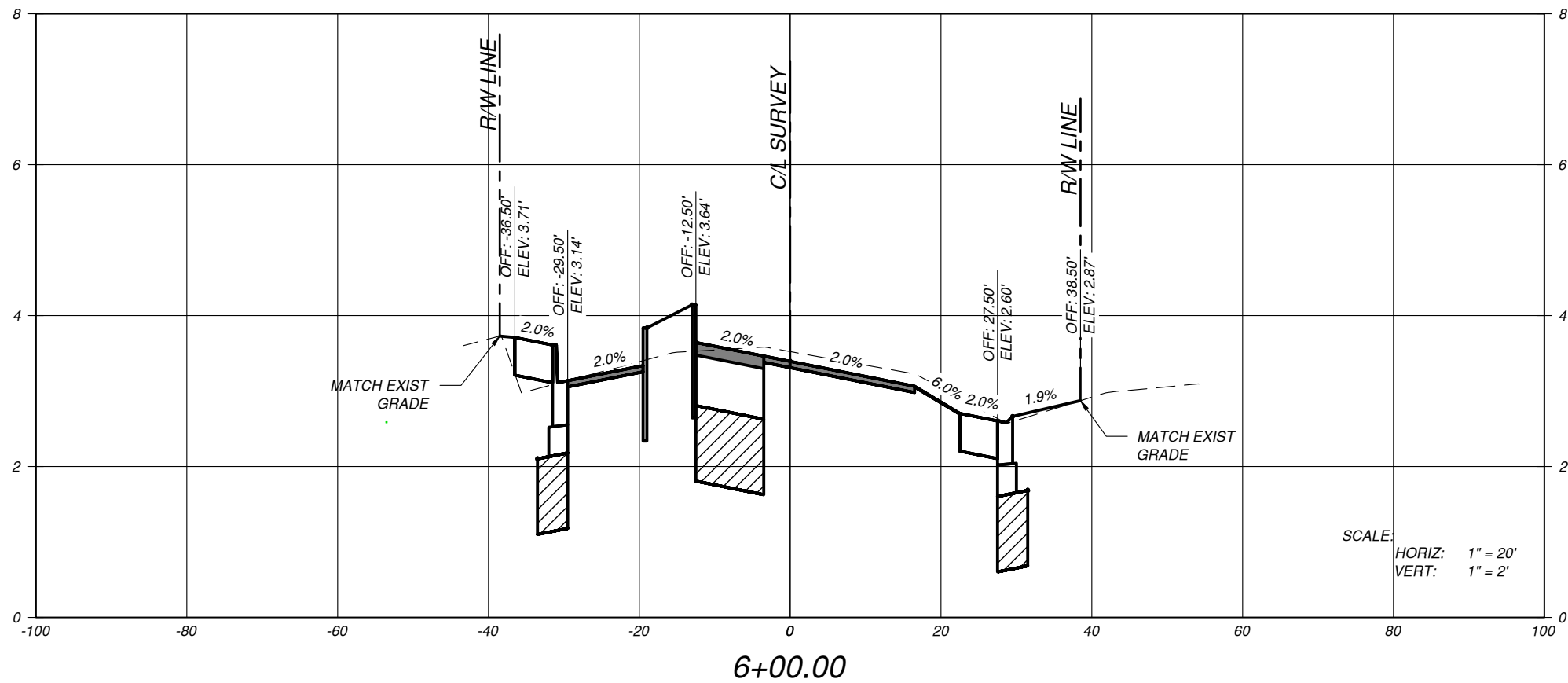
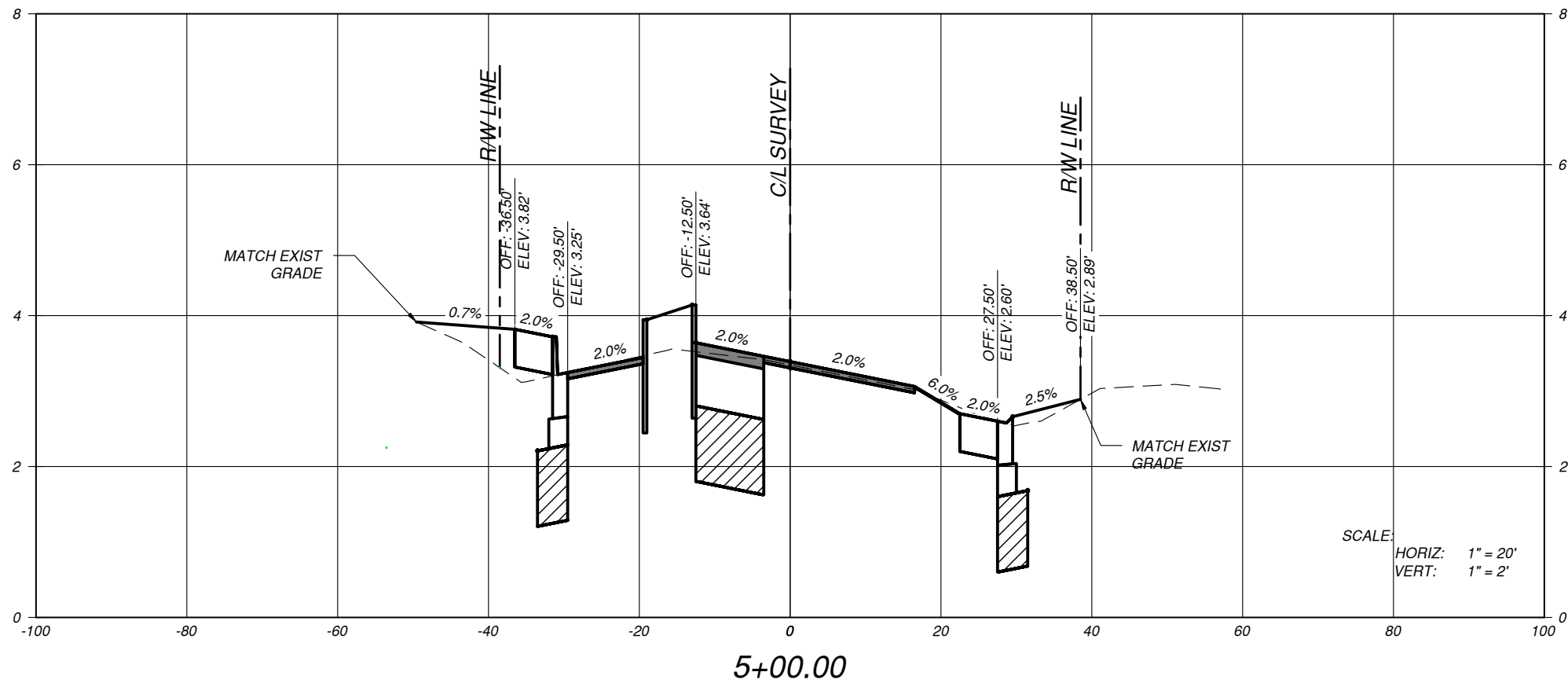
SHEET NO.

**CS-2.0**

SHEET 23 OF 42

60% PHASE SUBMITTAL





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PROJECT:

**DIANA DRIVE  
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KEY MAP:

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SHEET TITLE:

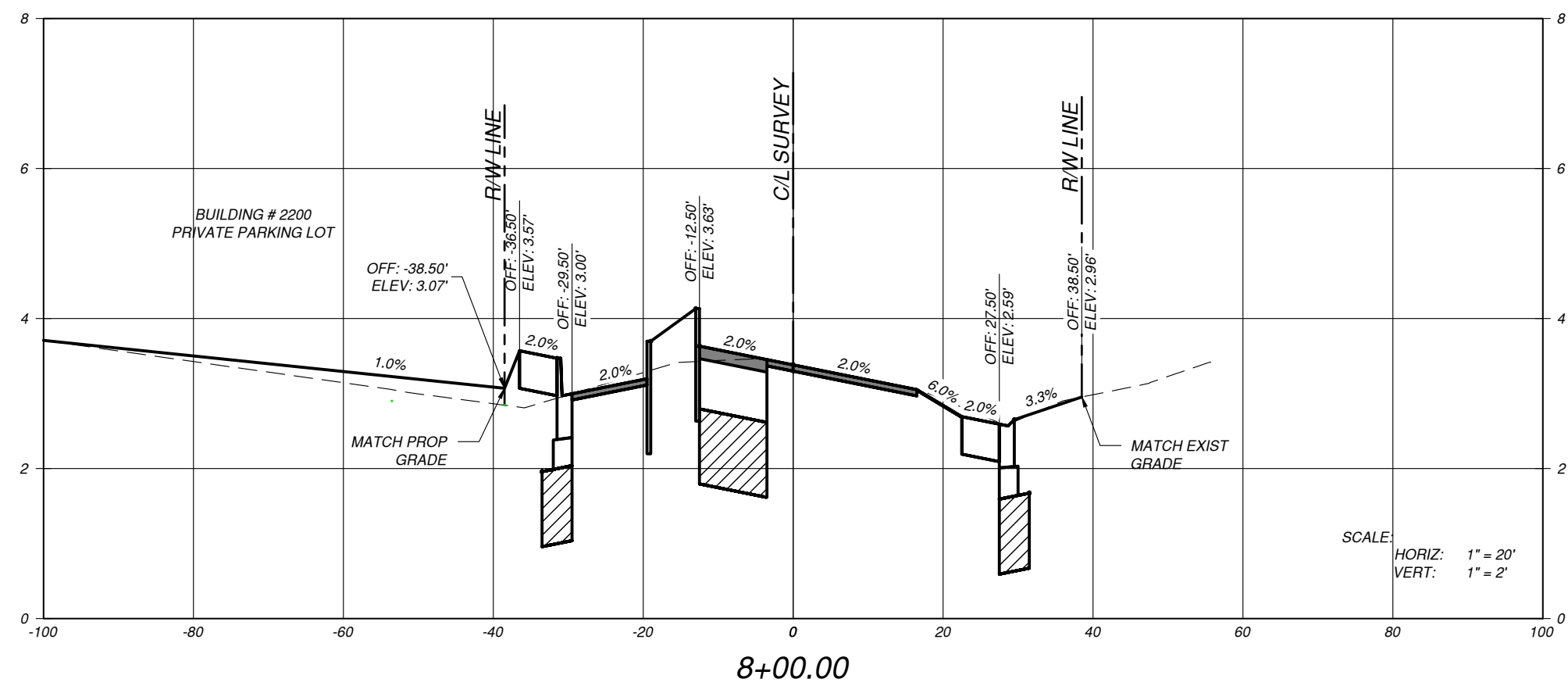
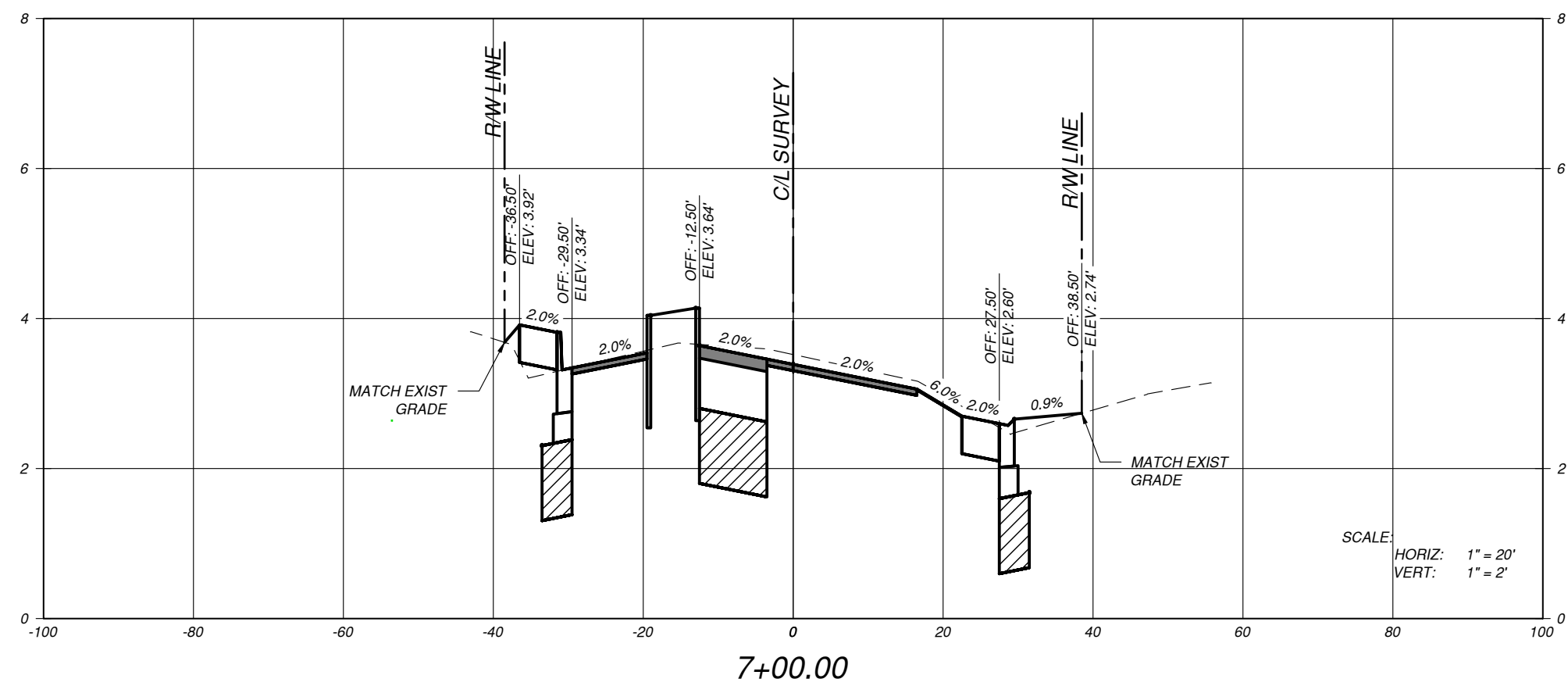
**CROSS  
SECTIONS**

SHEET NO.

**CS-3.0**

SHEET 24 OF 42

60% PHASE SUBMITTAL



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SHEET TITLE:

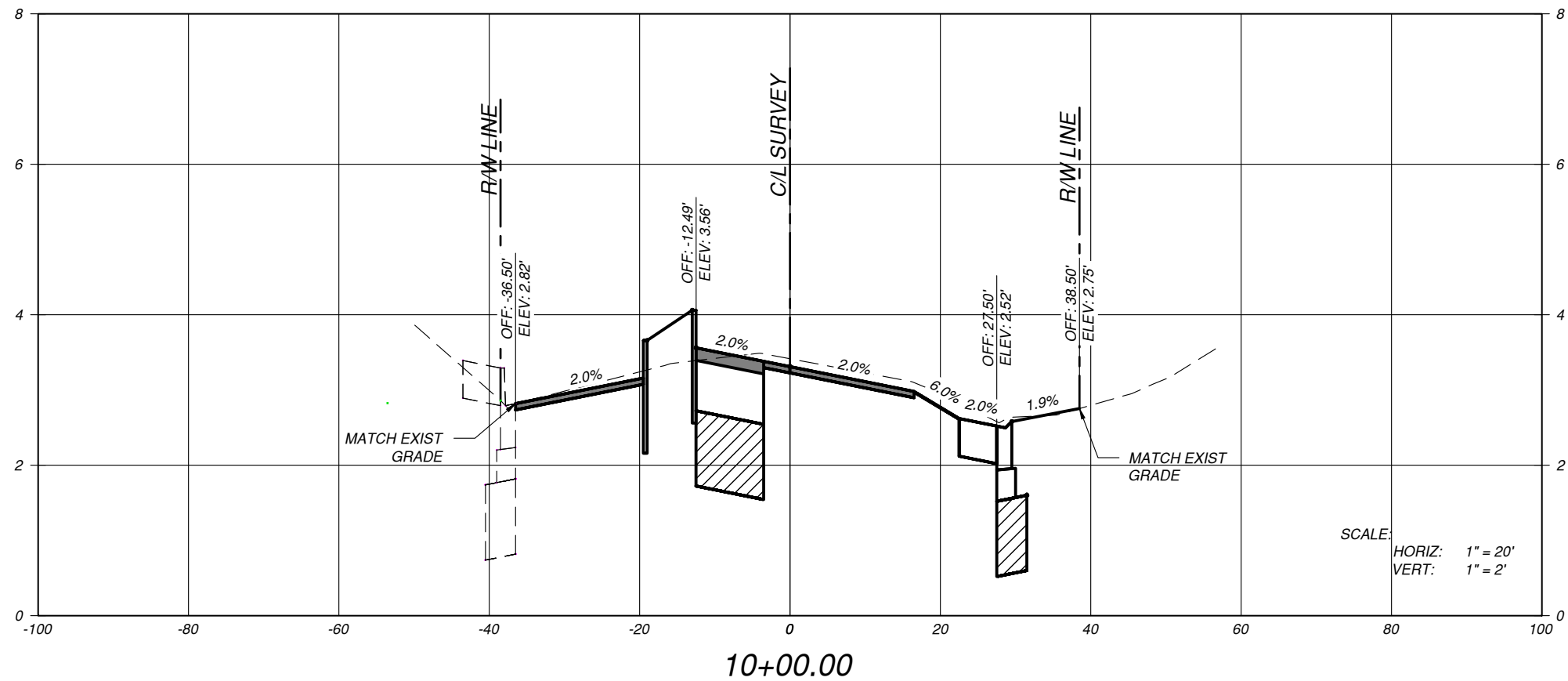
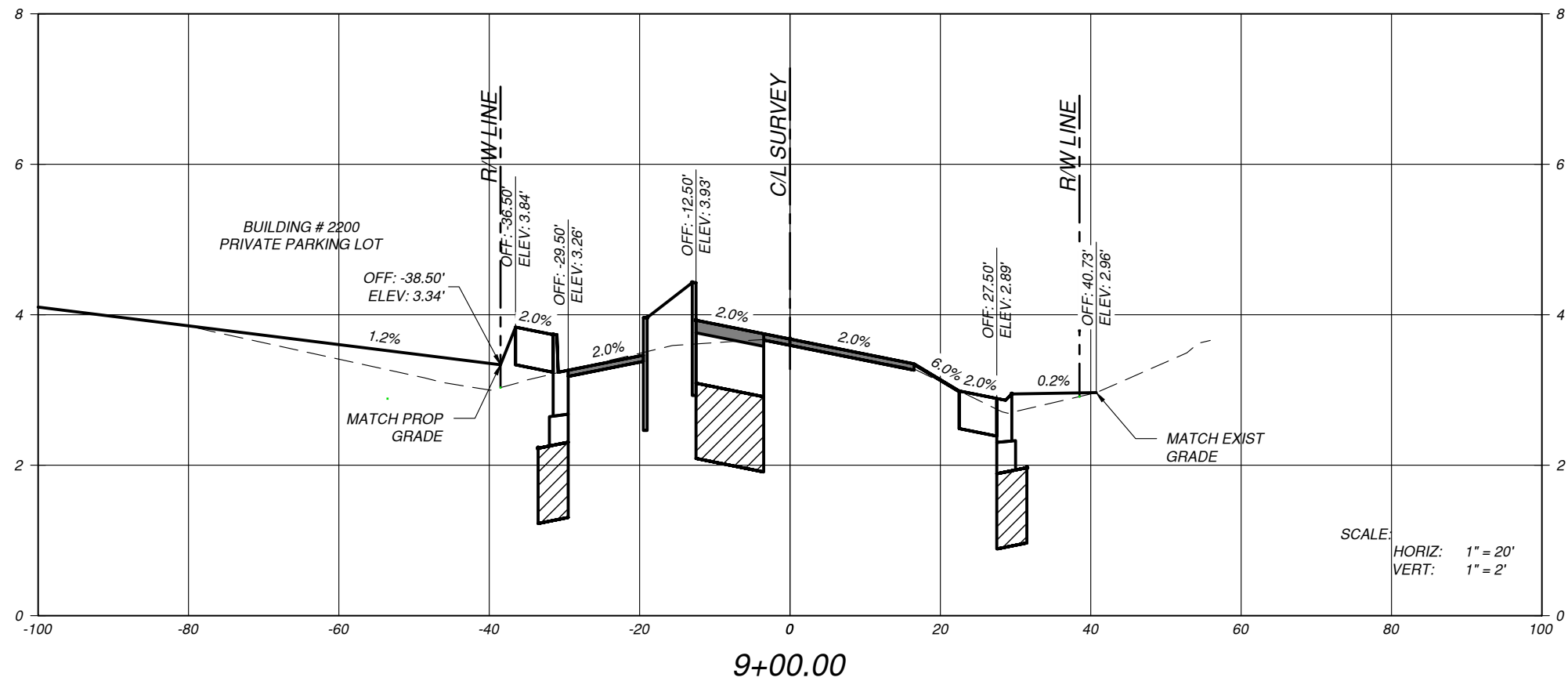
**CROSS  
SECTIONS**

SHEET NO.

**CS-4.0**

SHEET 25 OF 42

60% PHASE SUBMITTAL



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**DIANA DRIVE  
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SHEET TITLE:

**CROSS  
SECTIONS**

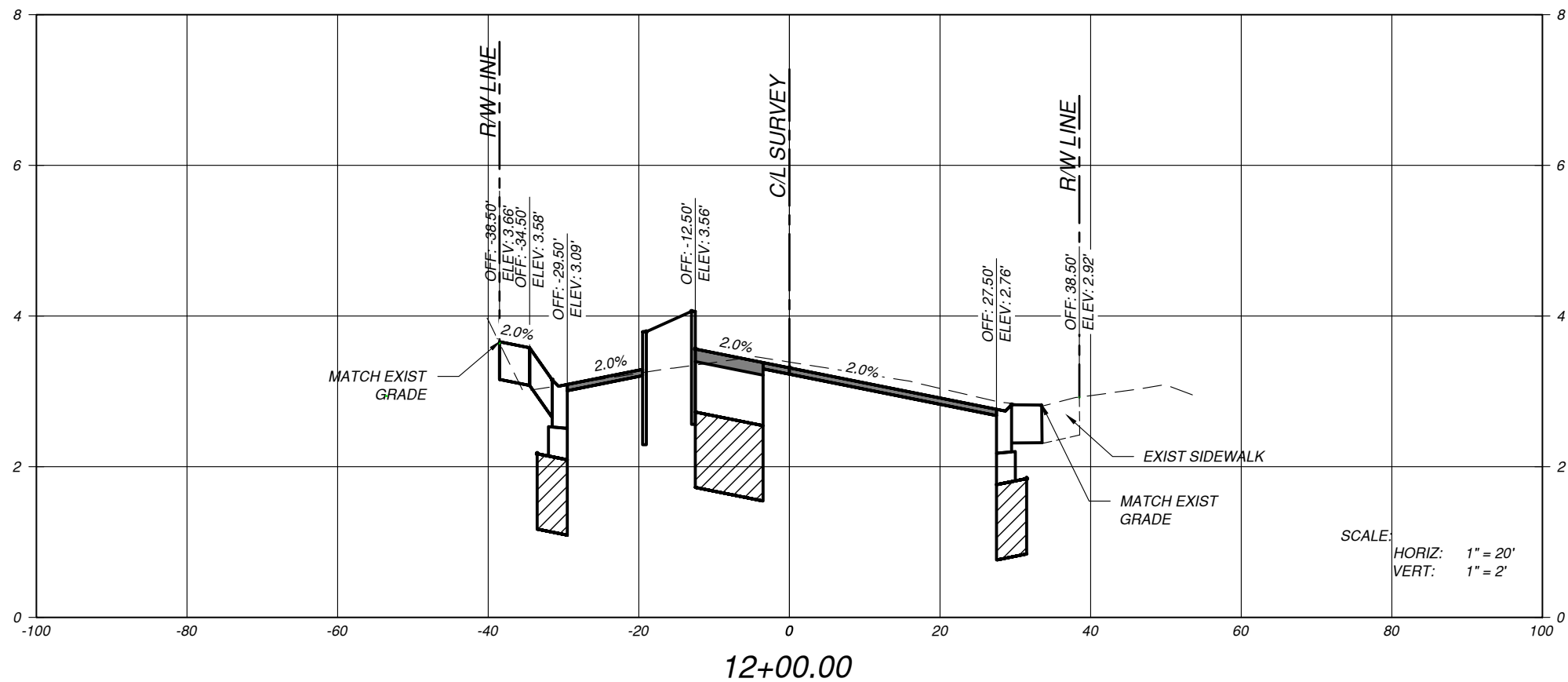
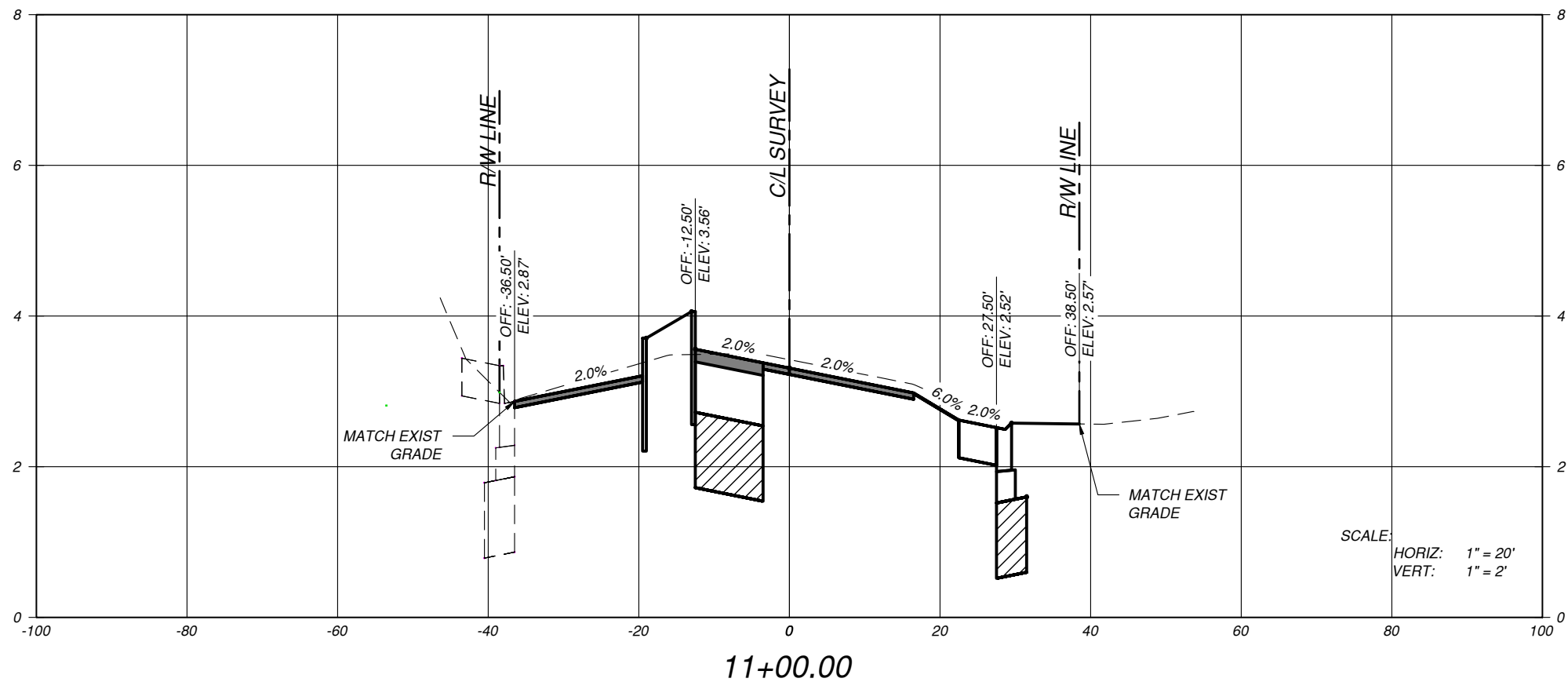
SHEET NO.

**CS-5.0**

SHEET 26 OF 42

60% PHASE SUBMITTAL





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PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

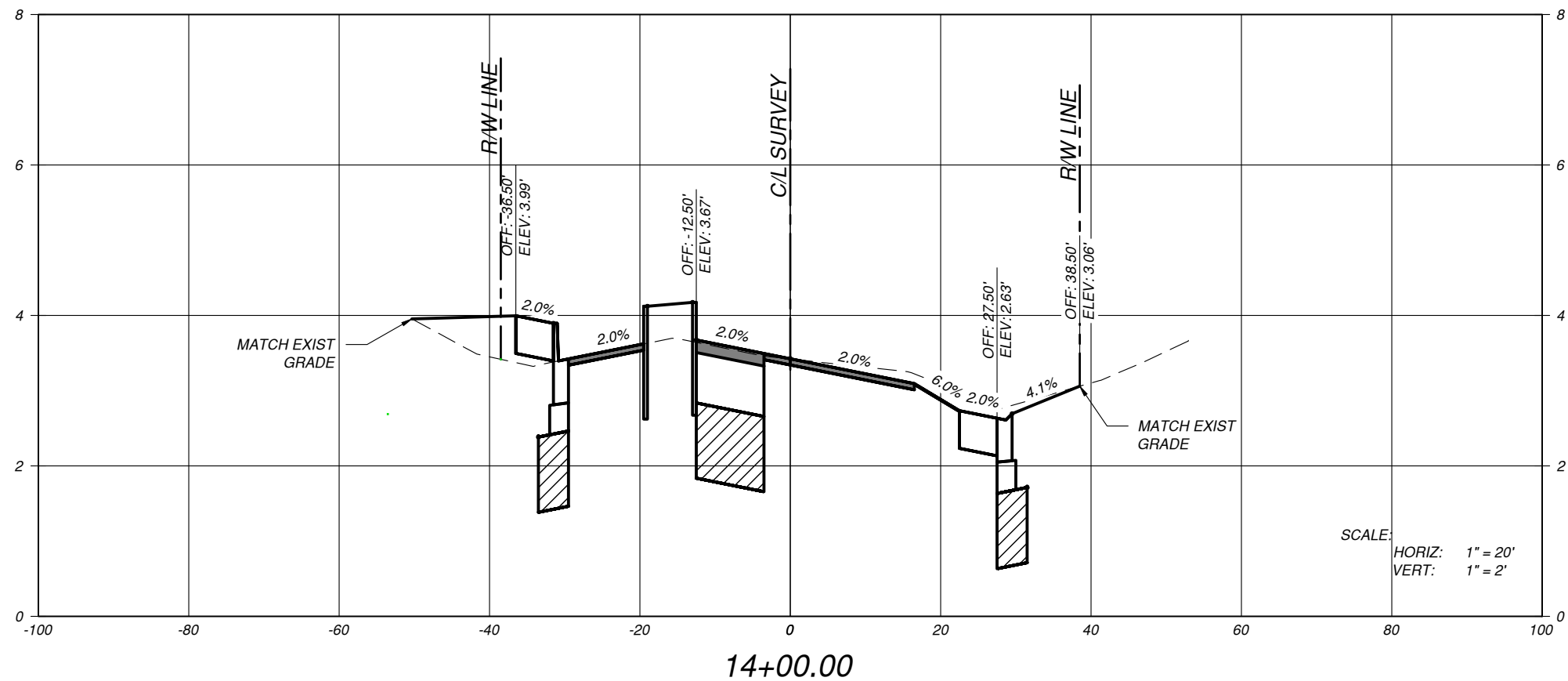
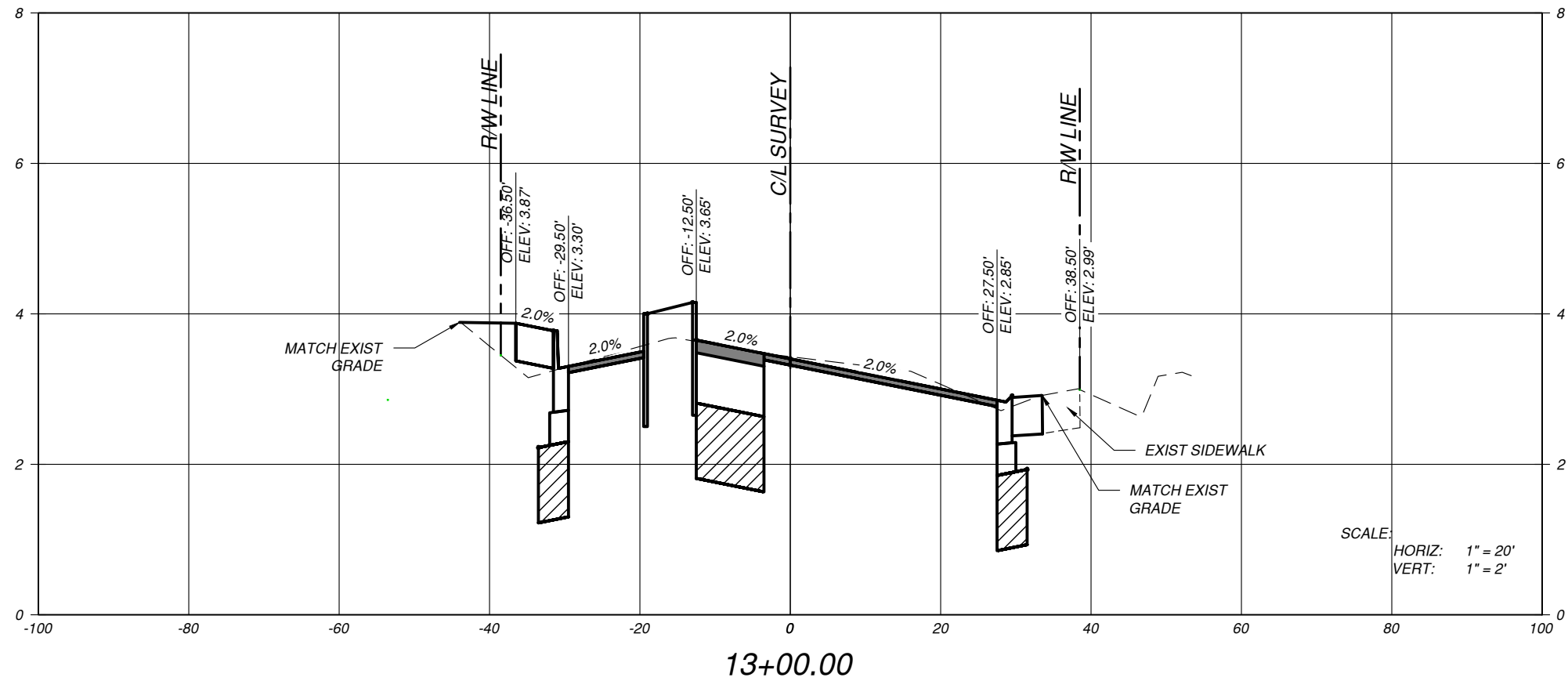
REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:  
  
SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**CROSS  
SECTIONS**

SHEET NO. **CS-6.0**  
SHEET 27 OF 42  
60% PHASE SUBMITTAL



DEPARTMENT OF PUBLIC WORKS  
630 NW 2nd STREET  
HALLANDALE BEACH, FL 33009  
PH: 954-457-1600  
FAX: 954-457-1624

CONSULTANT:



EAC Consulting, Inc.  
5100 NW 33rd AVE, SUITE 243  
FORT LAUDERDALE, FL 33309  
PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: SR

DRAWN BY: RG

REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

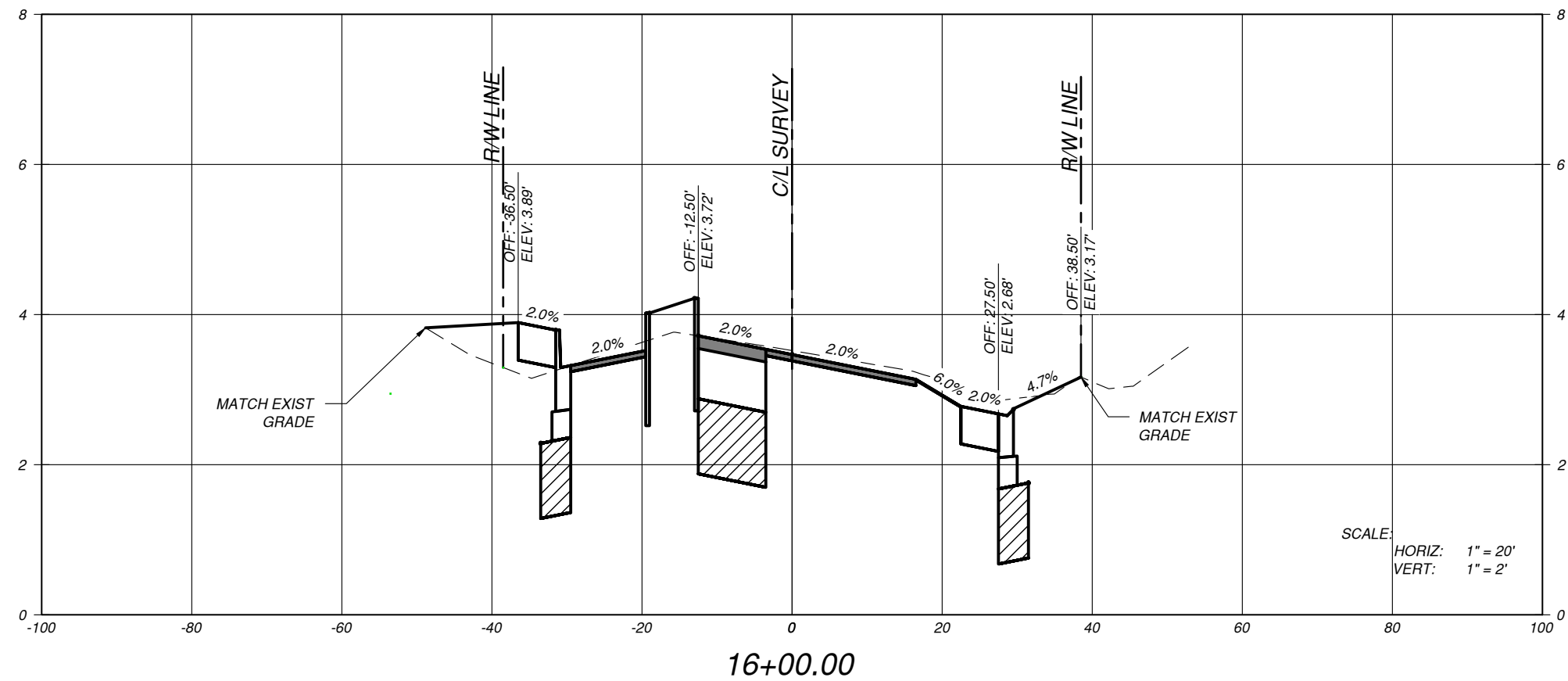
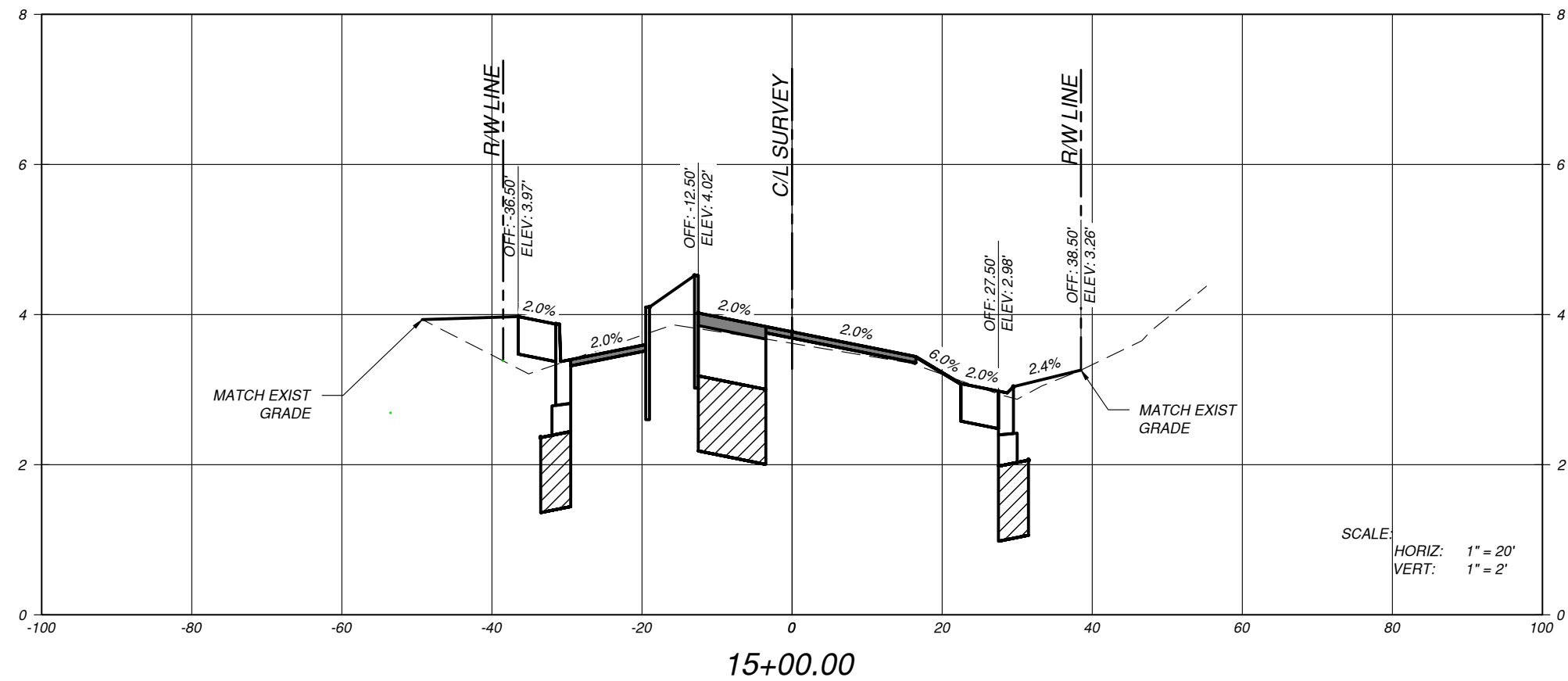
**CROSS  
SECTIONS**

SHEET NO.

**CS-7.0**

SHEET 28 OF 42

60% PHASE SUBMITTAL



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FAX: 954-457-1624

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
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PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:			
NO.	DESCRIPTION	DATE	BY

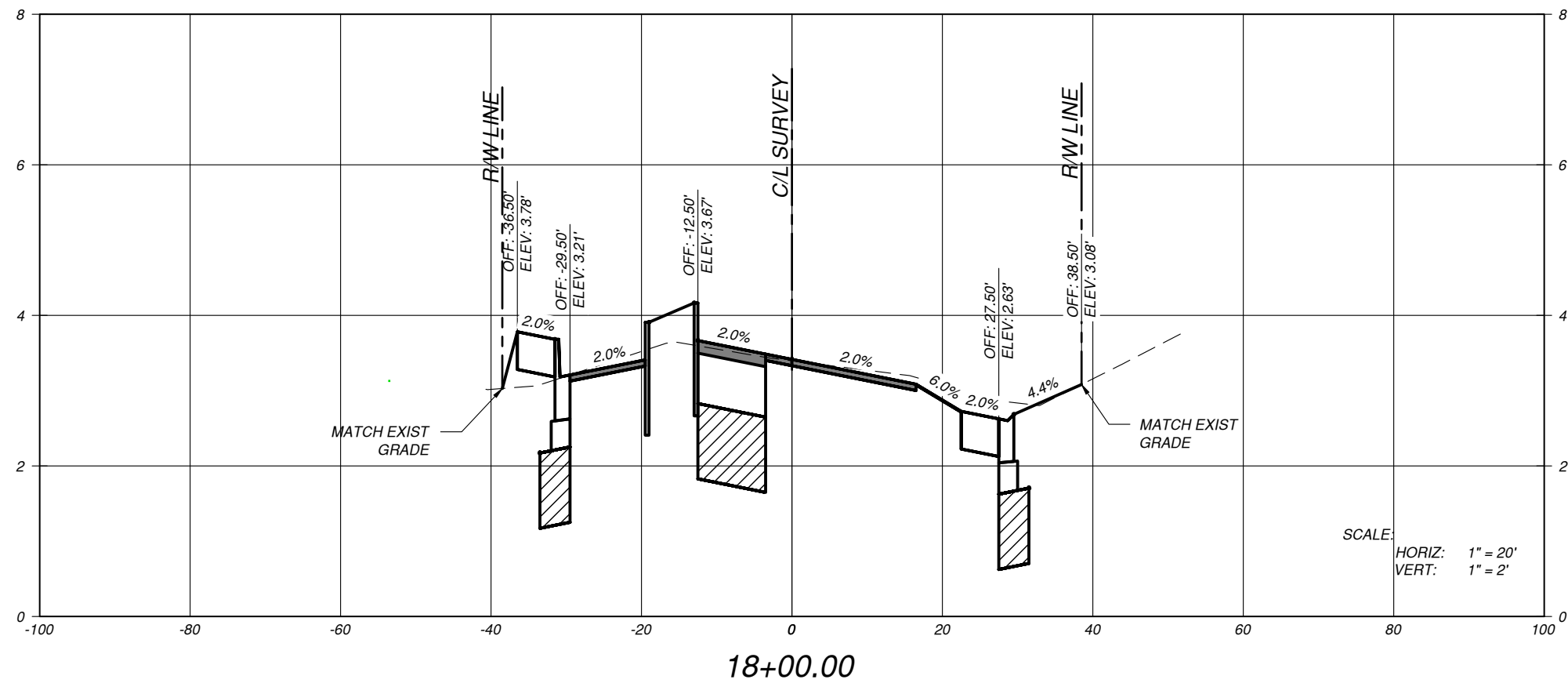
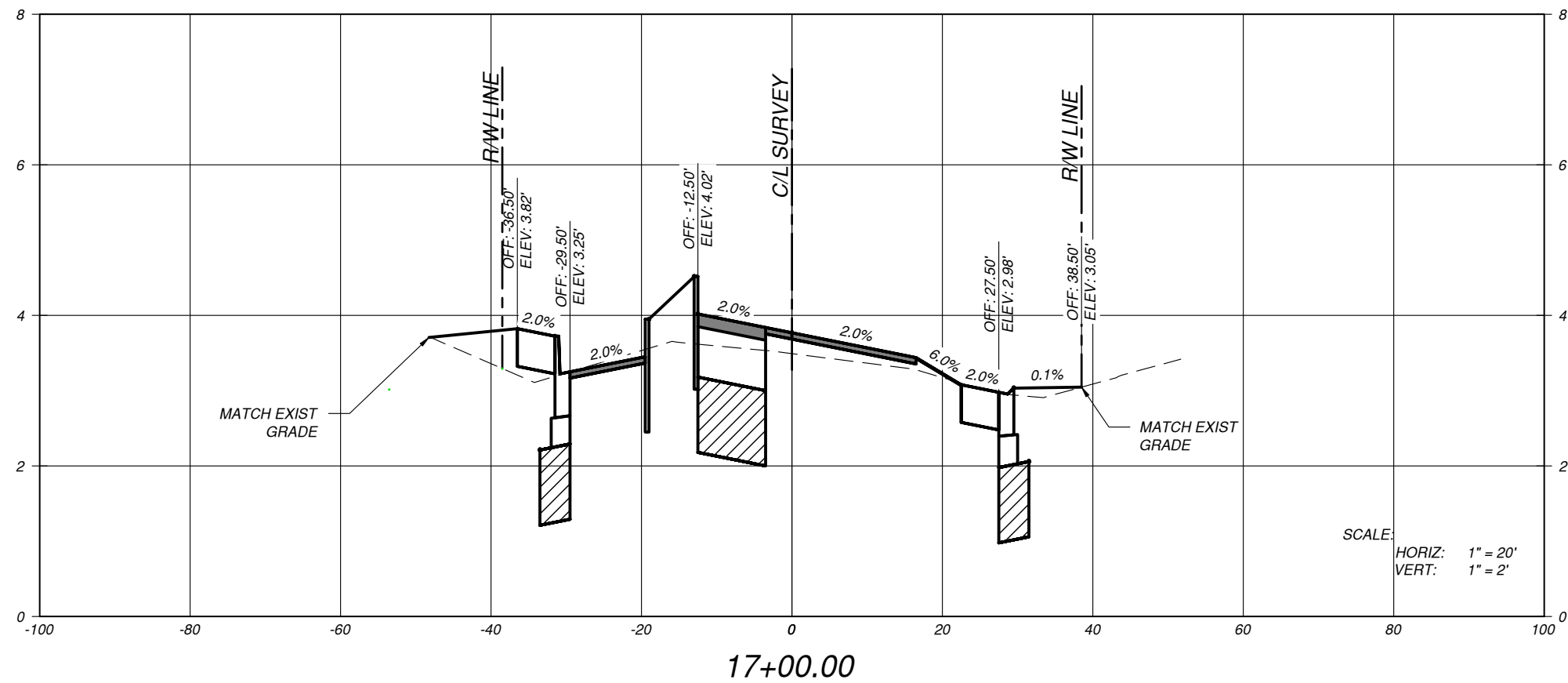
DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:  
  
SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**CROSS  
SECTIONS**

SHEET NO. **CS-8.0**  
SHEET 29 OF 42  
60% PHASE SUBMITTAL





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PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: SR

DRAWN BY: RG

REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

**CROSS  
SECTIONS**

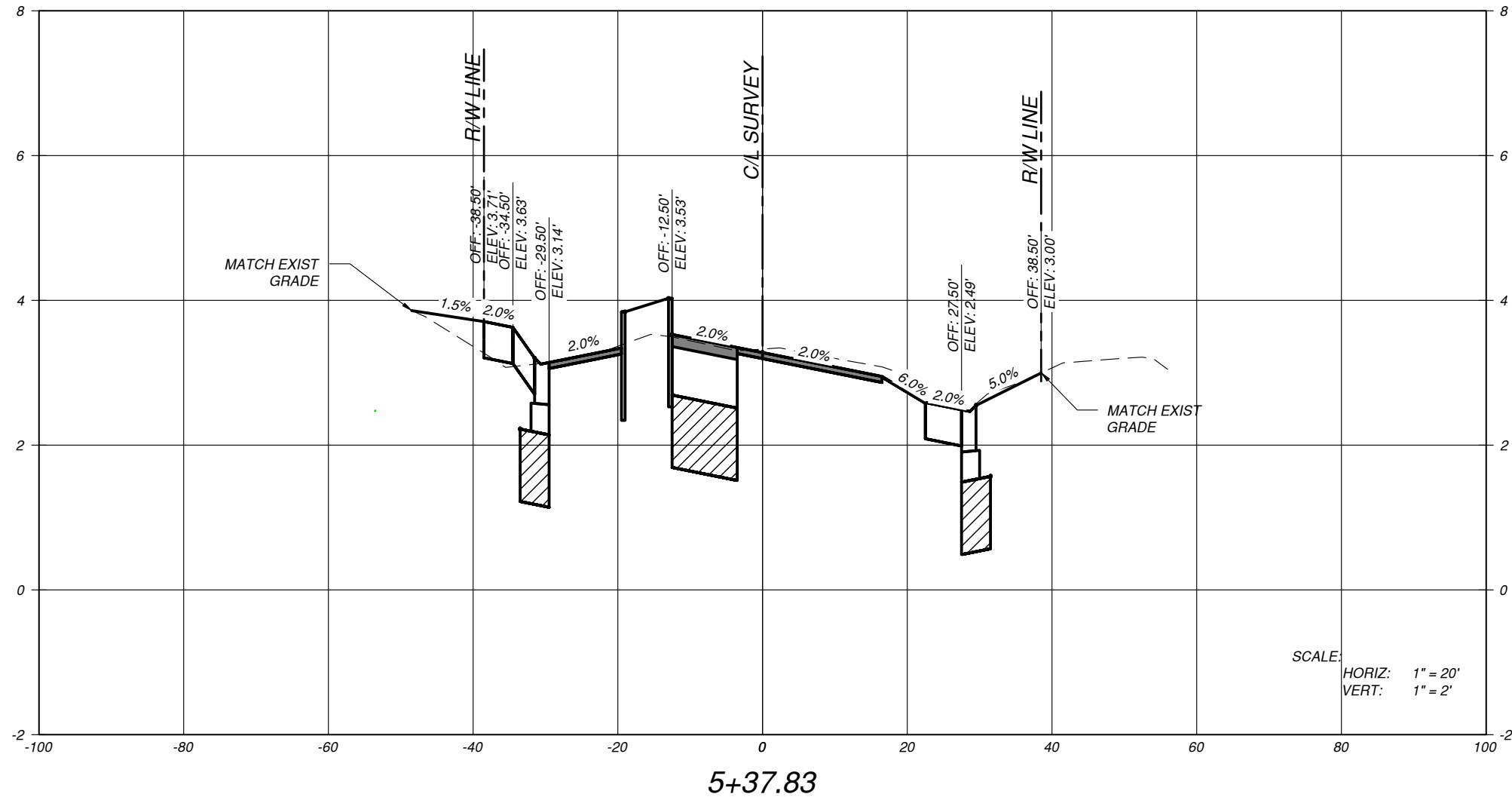
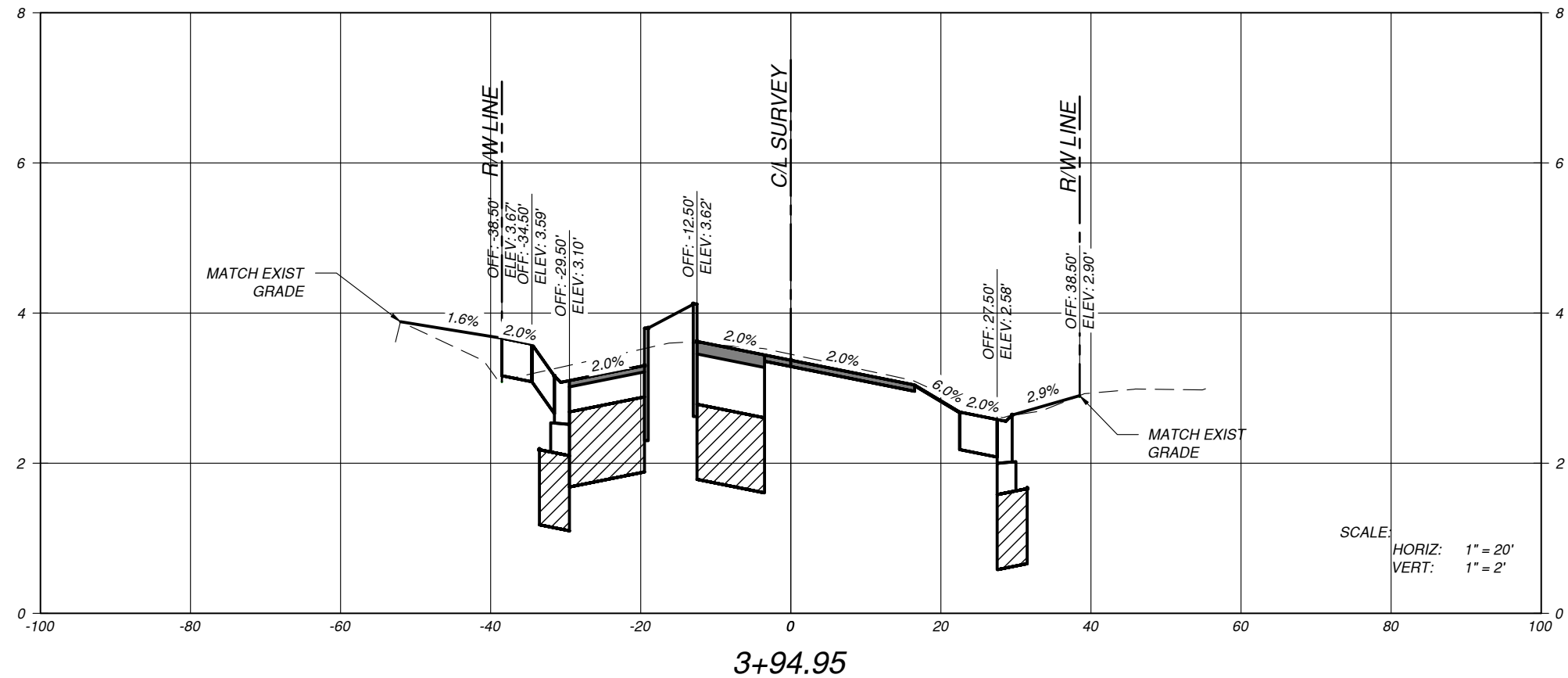
SHEET NO.

**CS-9.0**

SHEET 30 OF 42

60% PHASE SUBMITTAL





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FAX: 954-457-1624

CONSULTANT:



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FORT LAUDERDALE, FL 33309  
PH: 954-714-2000 FAX: 954-733-8604  
CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: SR

DRAWN BY: RG

REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

**DRIVEWAYS  
CROSS  
SECTIONS**

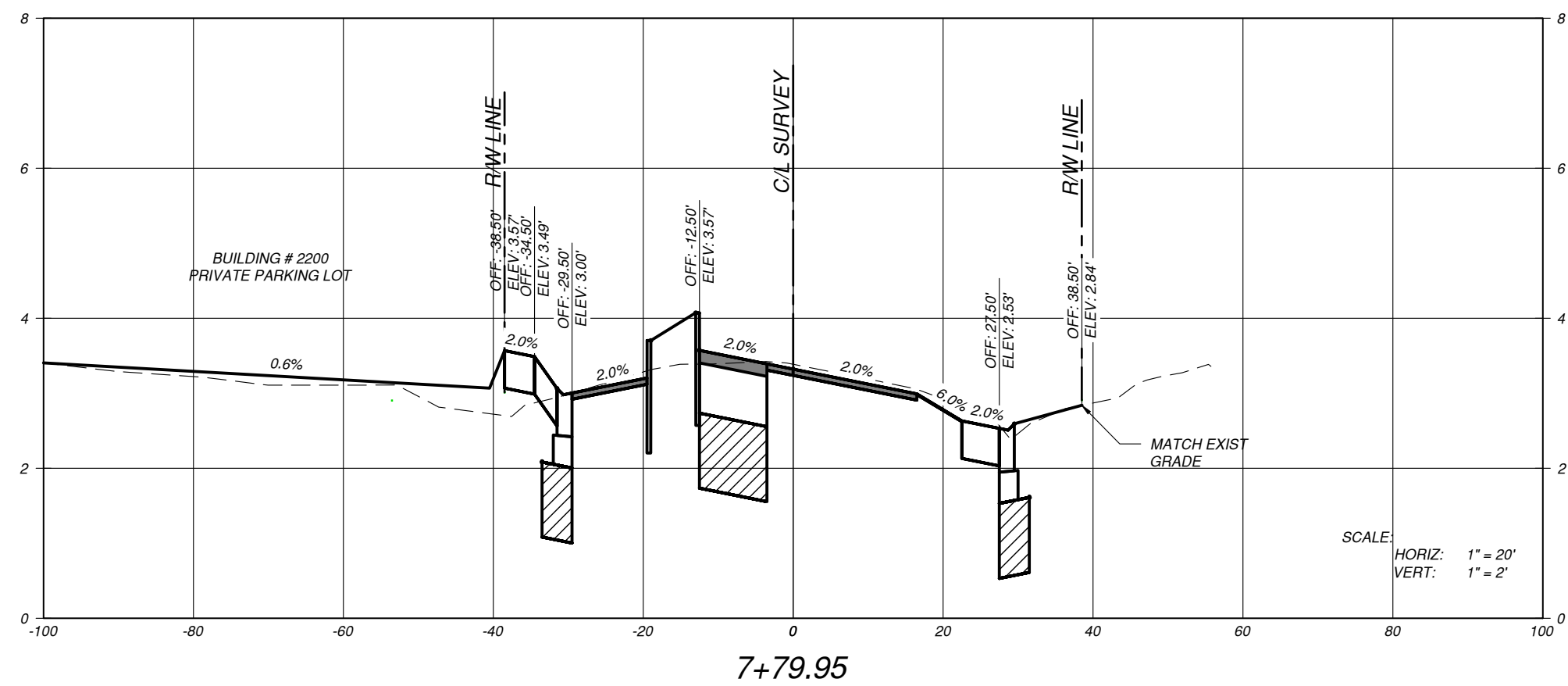
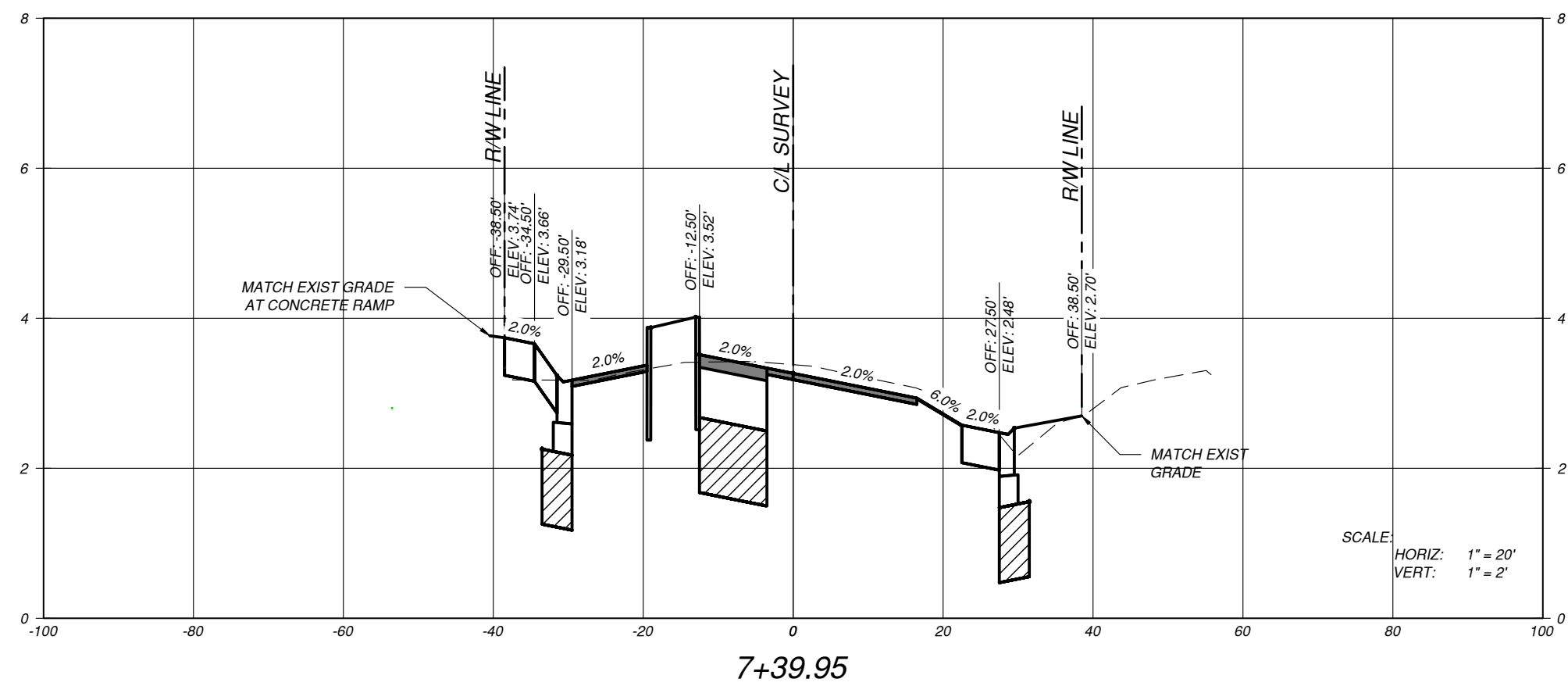
SHEET NO.

**CS-11.0**

SHEET 32 OF 42

60% PHASE SUBMITTAL





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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

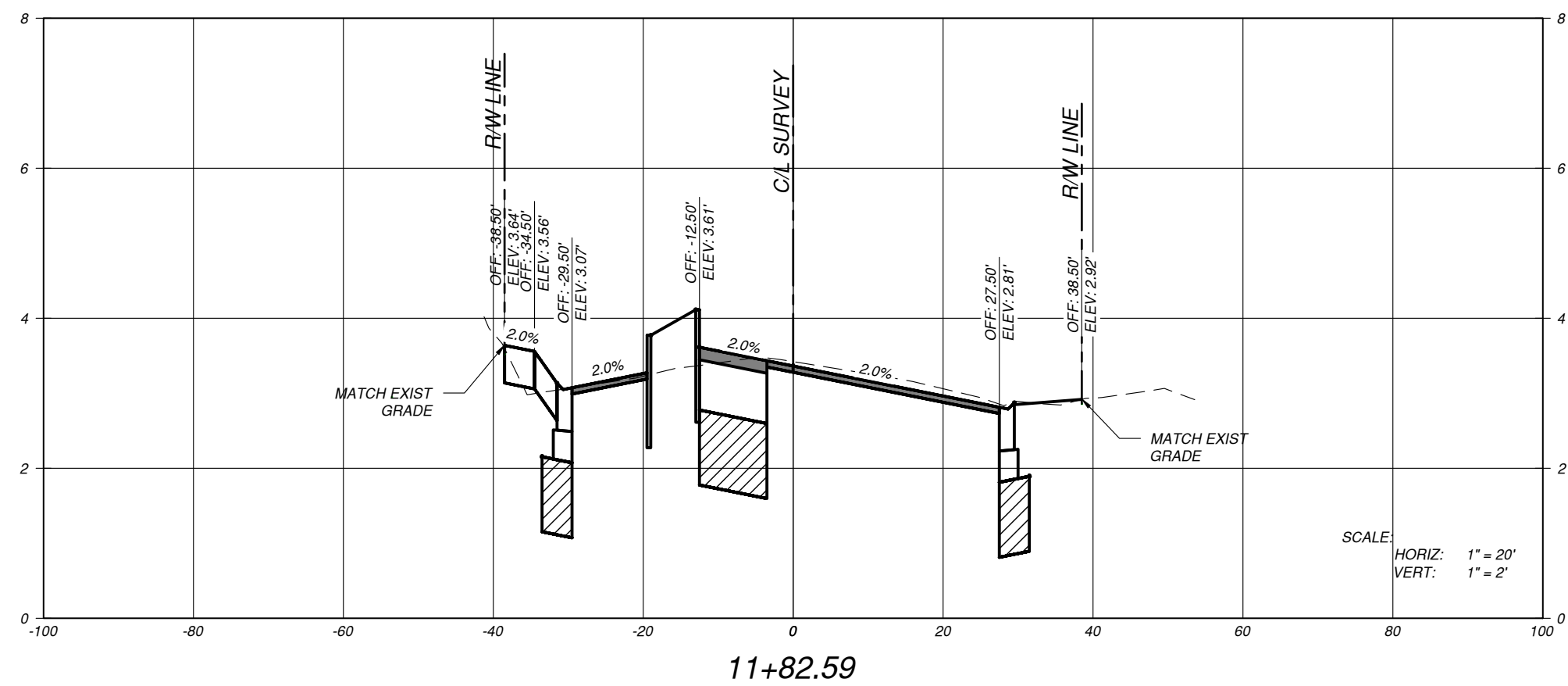
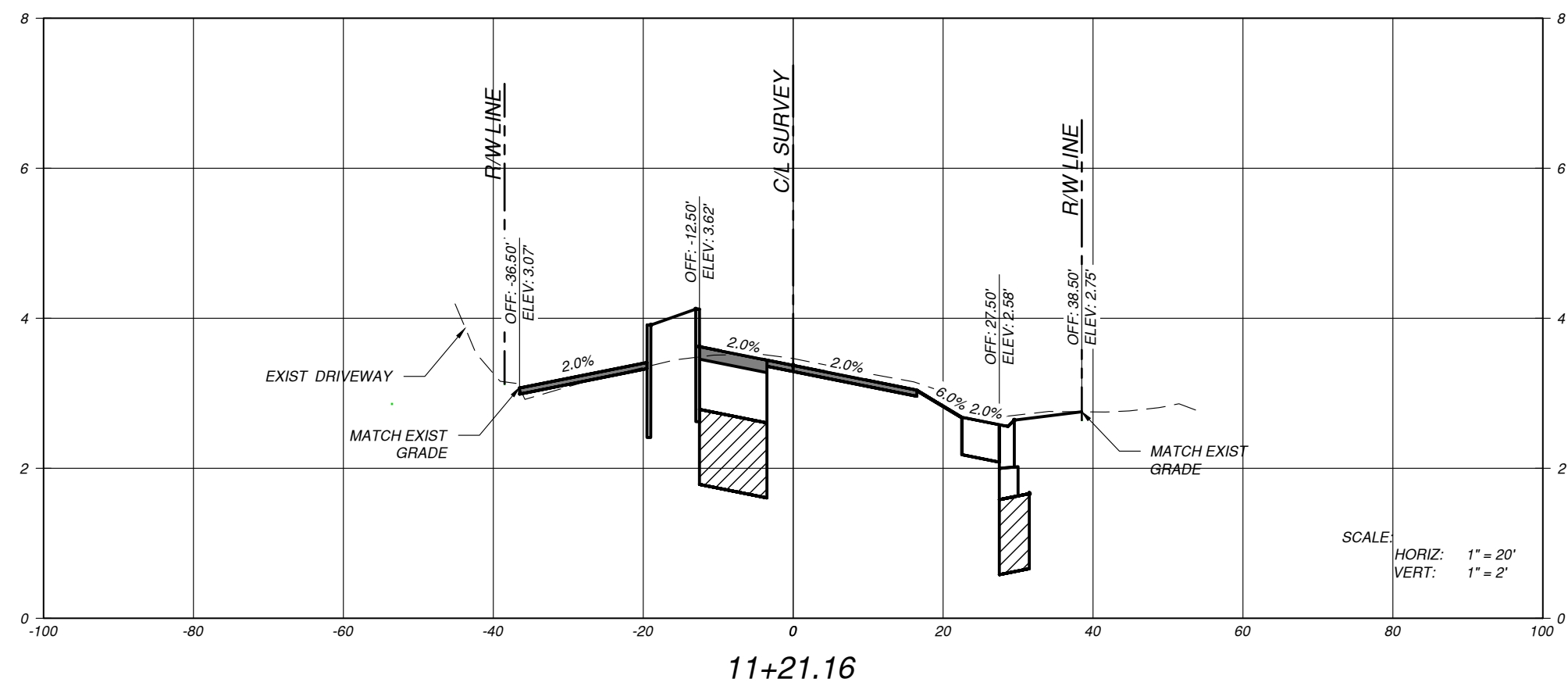
SHEET TITLE:

**DRIVEWAYS  
CROSS  
SECTIONS**

SHEET NO. **CS-12.0**

SHEET 33 OF 42

60% PHASE SUBMITTAL



DEPARTMENT OF PUBLIC WORKS  
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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

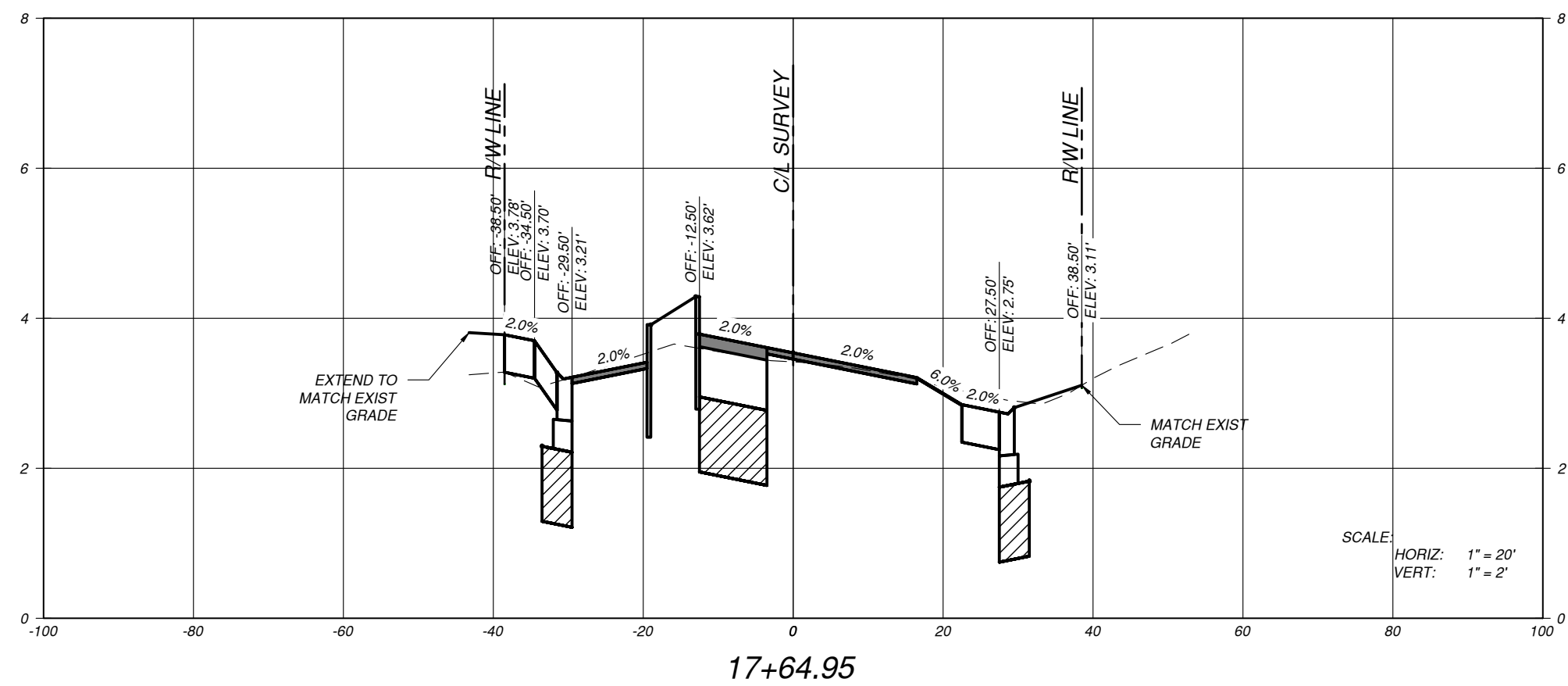
REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:  
  
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FL LICENSE No. 73078

SHEET TITLE:  
**DRIVEWAYS  
CROSS  
SECTIONS**

SHEET NO. **CS-13.0**  
SHEET 34 OF 42  
60% PHASE SUBMITTAL



17+64.95



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EAC PROJECT No. 14045.SD01-02

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PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

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FL LICENSE No. 73078

SHEET TITLE:

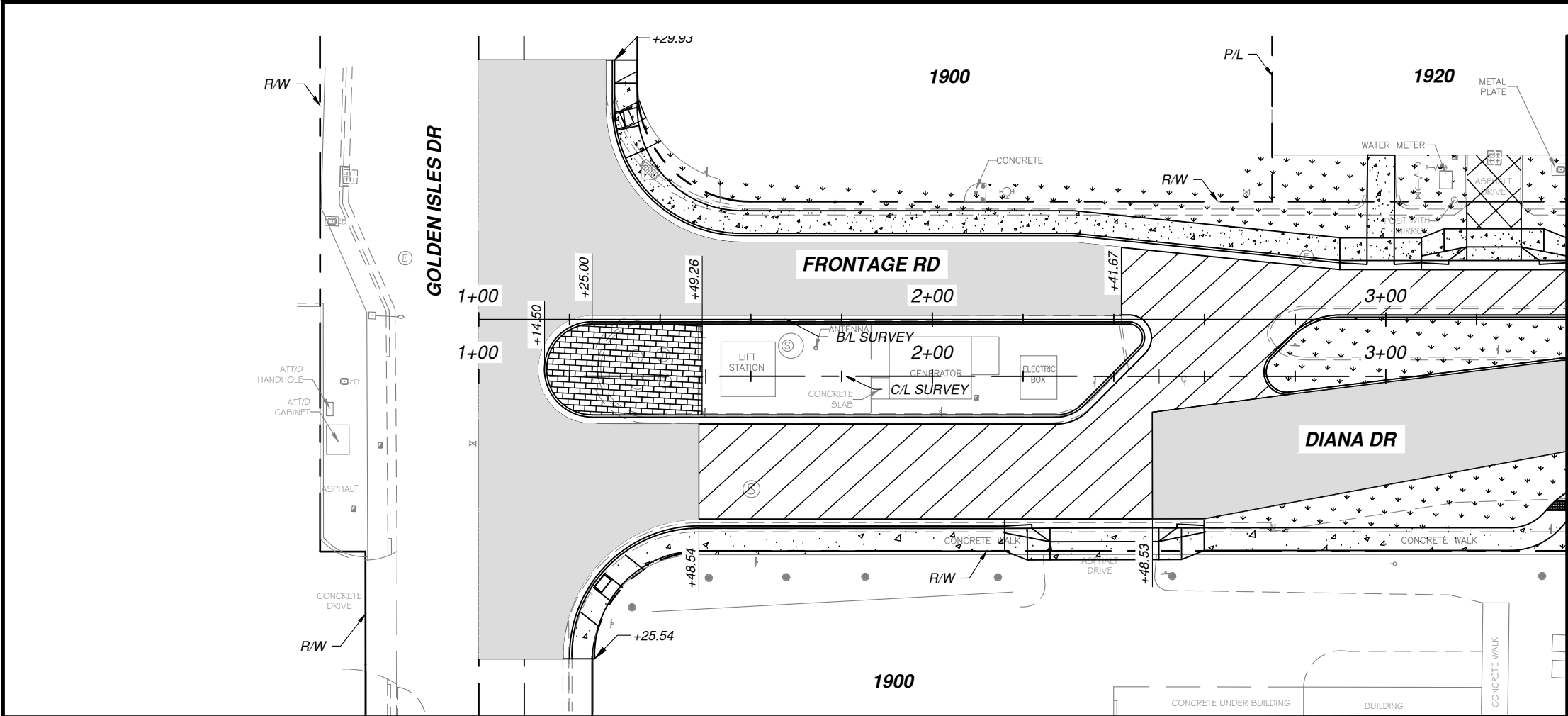
**DRIVEWAYS  
CROSS  
SECTIONS**

SHEET NO.

**CS-14.0**

SHEET 35 OF 42

60% PHASE SUBMITTAL



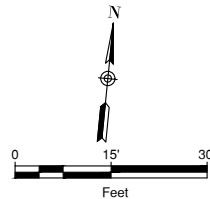
MATCH LINE STA. 3+40.00 (SEE BELOW)

**LEGEND**

- PROP ROADWAY RECONSTRUCTION
- PROP TURNOUT CONSTRUCTION
- PROP CONCRETE SIDEWALK
- PROP SOD (SEE NOTE 2)
- PROP BRICK PAVERS
- PROP 1" ASPHALT RESURFACING

**NOTE:**

- REMOVE ALL TREES WITHIN ROADWAY MEDIAN
- REFER TO LANDSCAPE PLANS



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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

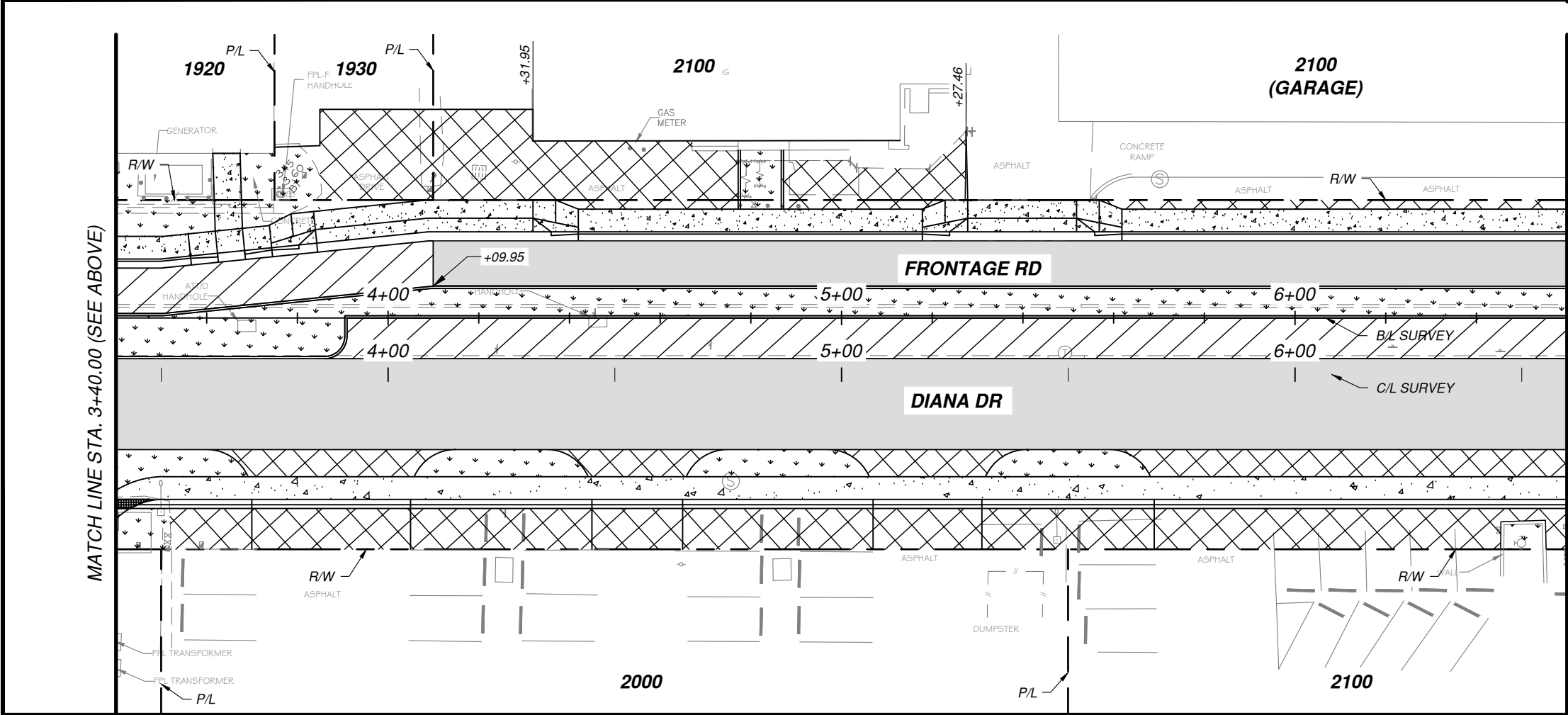
REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS  
SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**ROADWAY  
PAVING &  
GRADING PLAN**

SHEET NO.  
**C-1.0**  
SHEET 36 OF 42  
60% PHASE SUBMITTAL



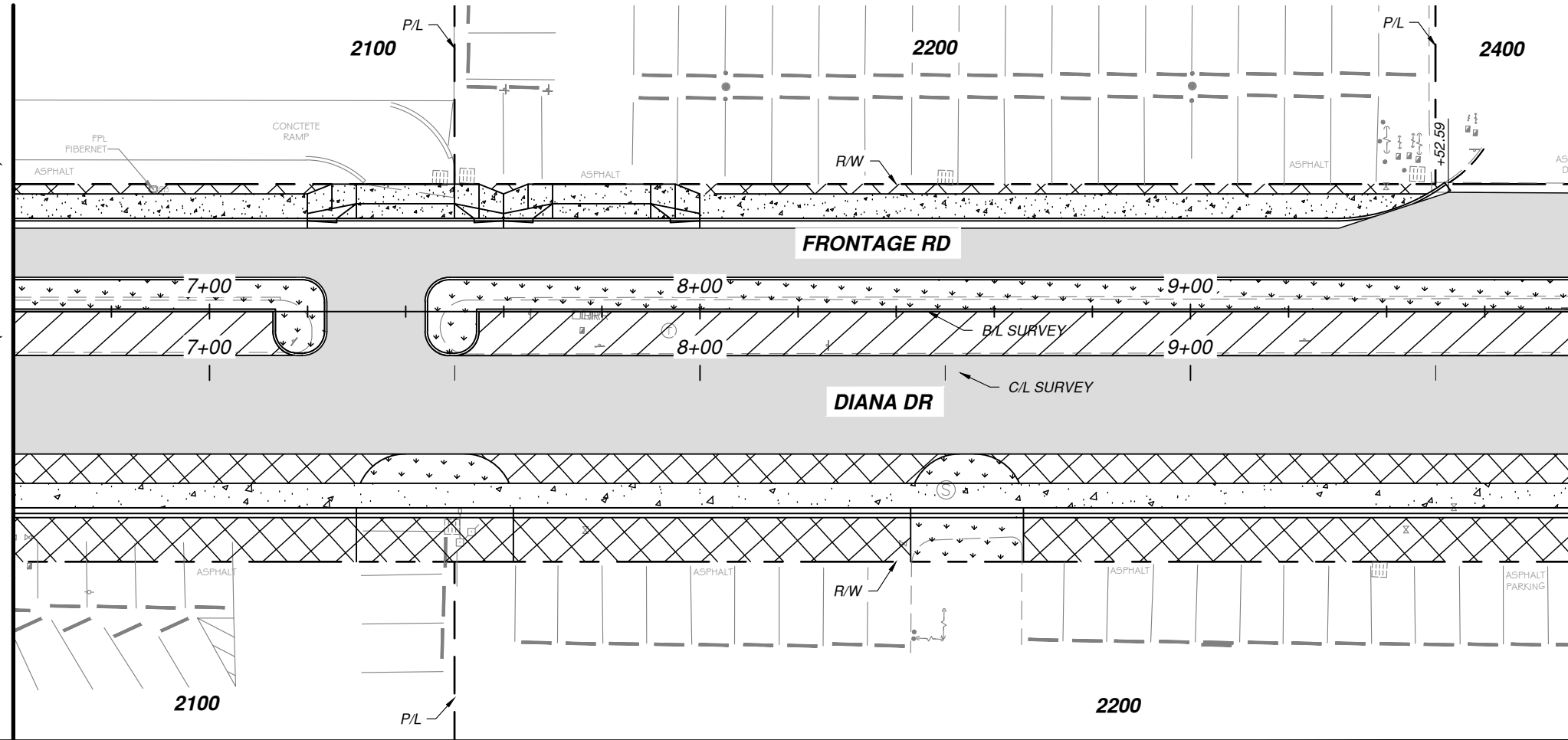
MATCH LINE STA. 3+40.00 (SEE ABOVE)

MATCH LINE STA. 6+60.00 (SEE SHEET C-2.0)

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MATCH LINE STA. 6+60.00 (SEE SHEET C-1.0)



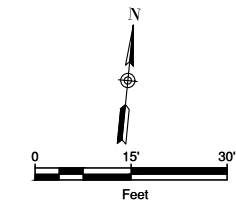
MATCH LINE STA. 9+80.00 (SEE BELOW)

### LEGEND

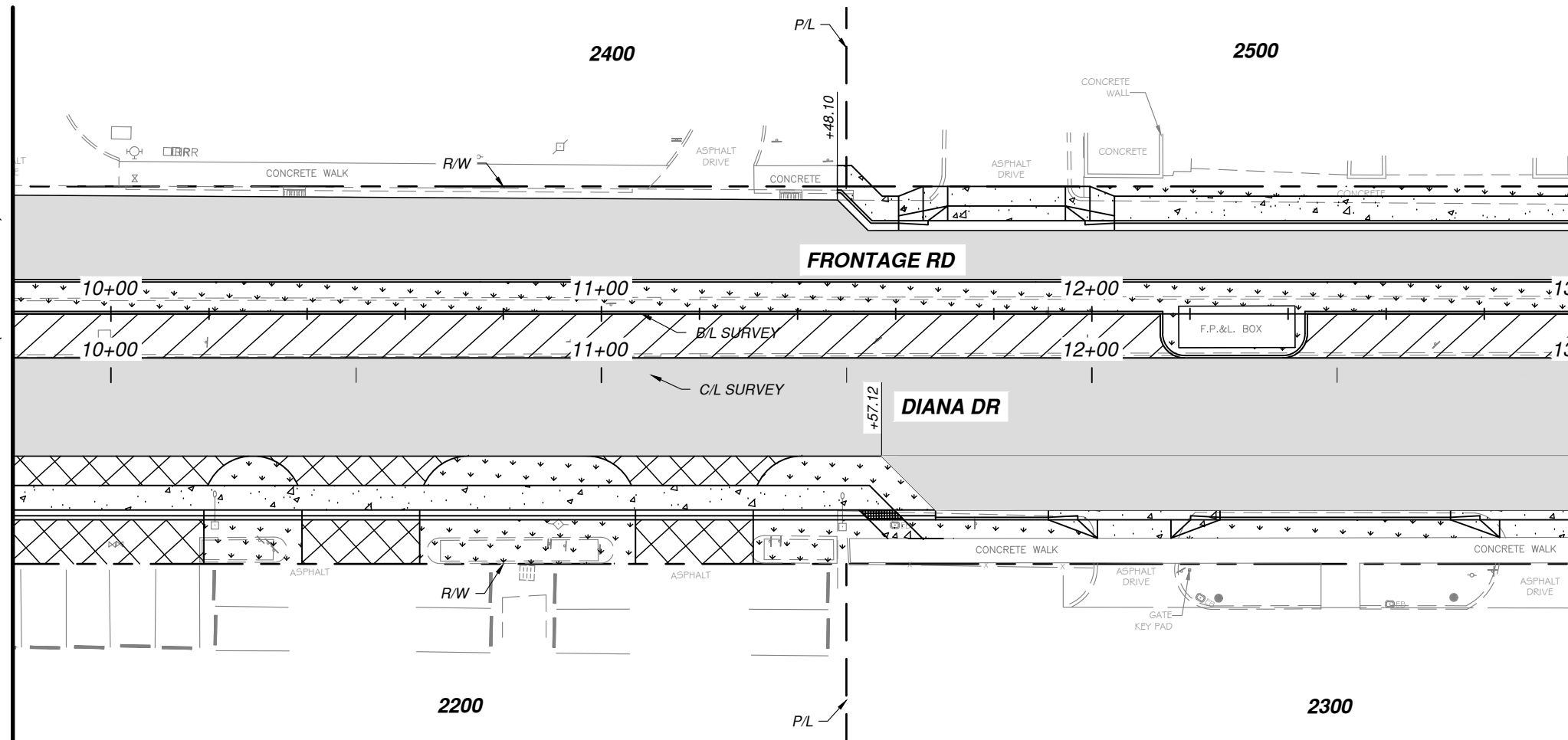
- PROP ROADWAY RECONSTRUCTION
- PROP TURNOUT CONSTRUCTION
- PROP CONCRETE SIDEWALK
- PROP SOD (SEE NOTE 2)
- PROP BRICK PAVERS
- PROP 1" ASPHALT RESURFACING

### NOTE:

- REMOVE ALL TREES WITHIN ROADWAY MEDIAN
- REFER TO LANDSCAPE PLANS



MATCH LINE STA. 9+80.00 (SEE ABOVE)



MATCH LINE STA. 13+00.00 (SEE SHEET C-3.0)

REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:

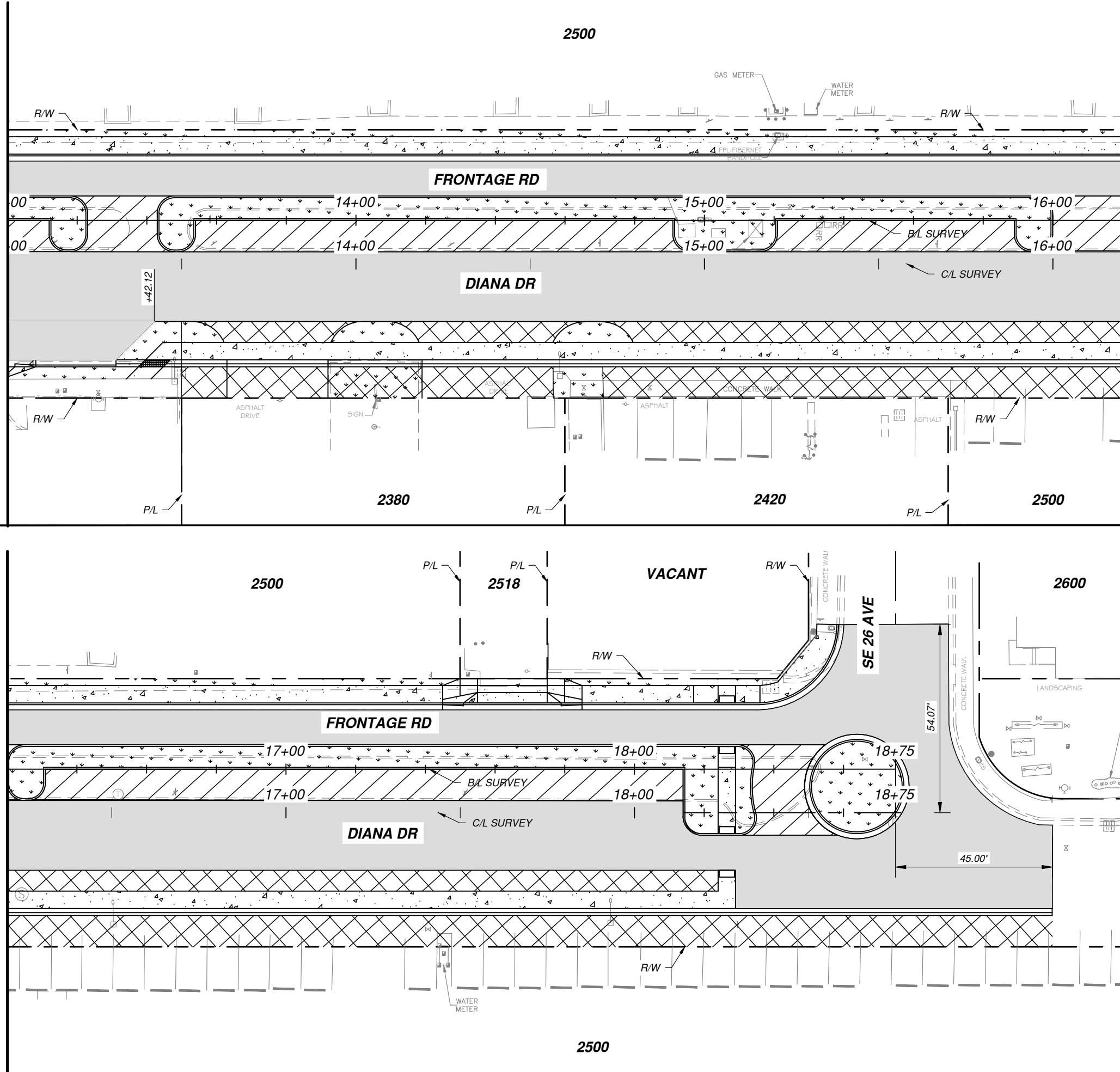
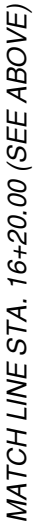
SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**ROADWAY  
PAVING &  
GRADING PLAN**

SHEET NO.  
**C-2.0**

SHEET 37 OF 42

60% PHASE SUBMITTAL



**CONSULTANT:**

**EAC**

**EAC Consulting, Inc.**

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CA # 7011

**EAC PROJECT No. 14045.SD01-02**

PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

[illegible]

DATE ISSUED: SEPTEMBER 23, 2016
DESIGNED BY: SR
DRAWN BY: RG
REVIEWED BY: SS
SEAL:

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

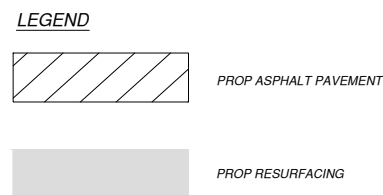
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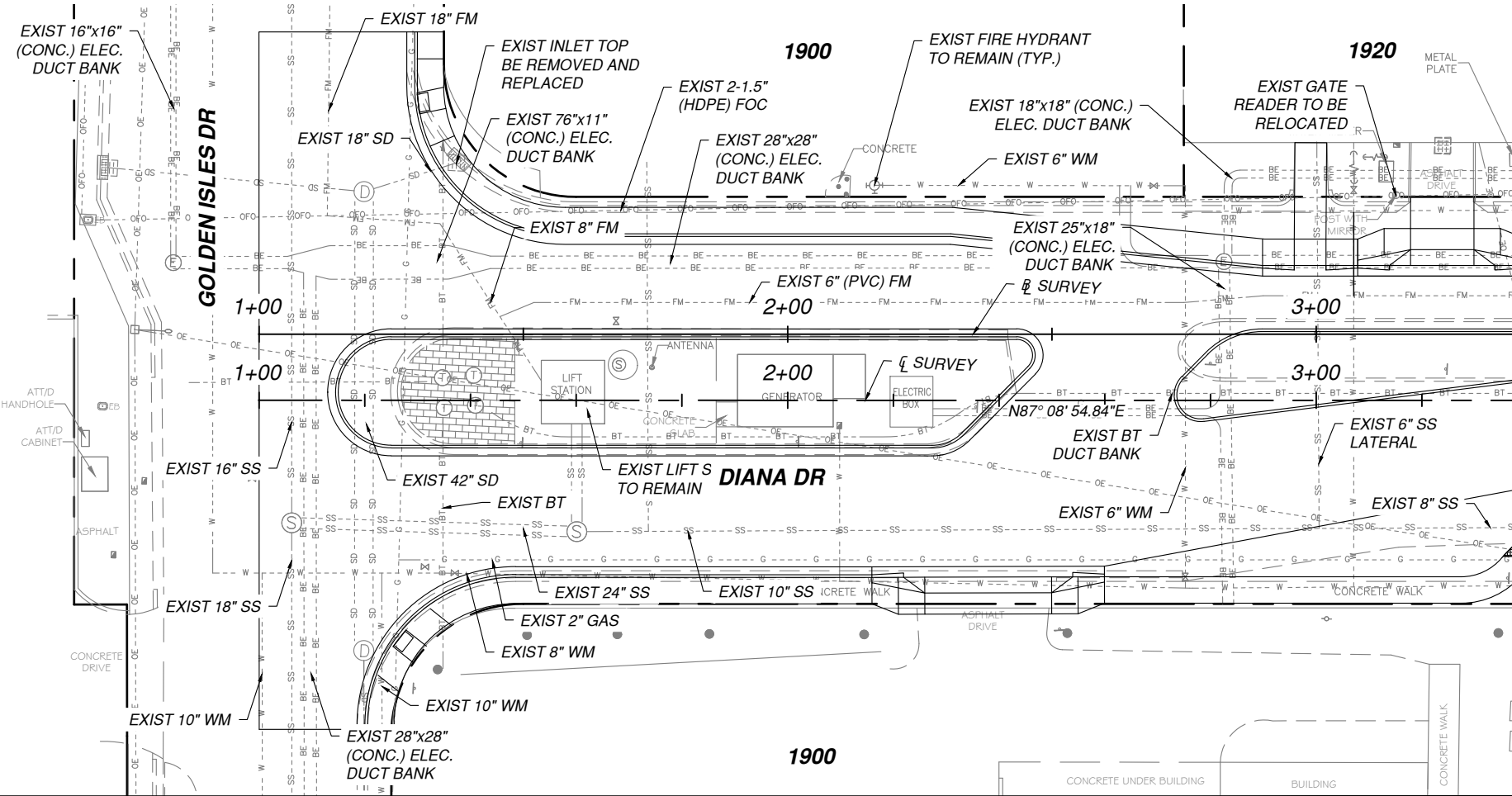
**BUILDING 2200  
PAVING &  
GRADING PLAN**

SHEET NO. **C-4.0**

SHEET 39 OF 42

60% PHASE SUBMITTAL

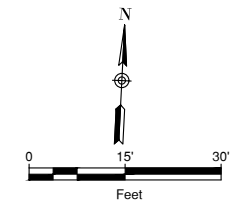




MATCHLINE STA. 3+40.00 (SEE BELOW)

**NOTE:**

1. CONTRACTOR SHALL ADJUST ALL MAINTENANCE ACCESS STRUCTURE, COVERS, UTILITY ACCESS BOXES, VALVE BOXES, AND INLETS TO BE FLUSH WITH FINISH GRADE.
2. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM DAMAGE.



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CONSULTANT:



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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

**REVISIONS:**

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: SR

DRAWN BY: RG

REVIEWED BY: SS

SEAL:

SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:

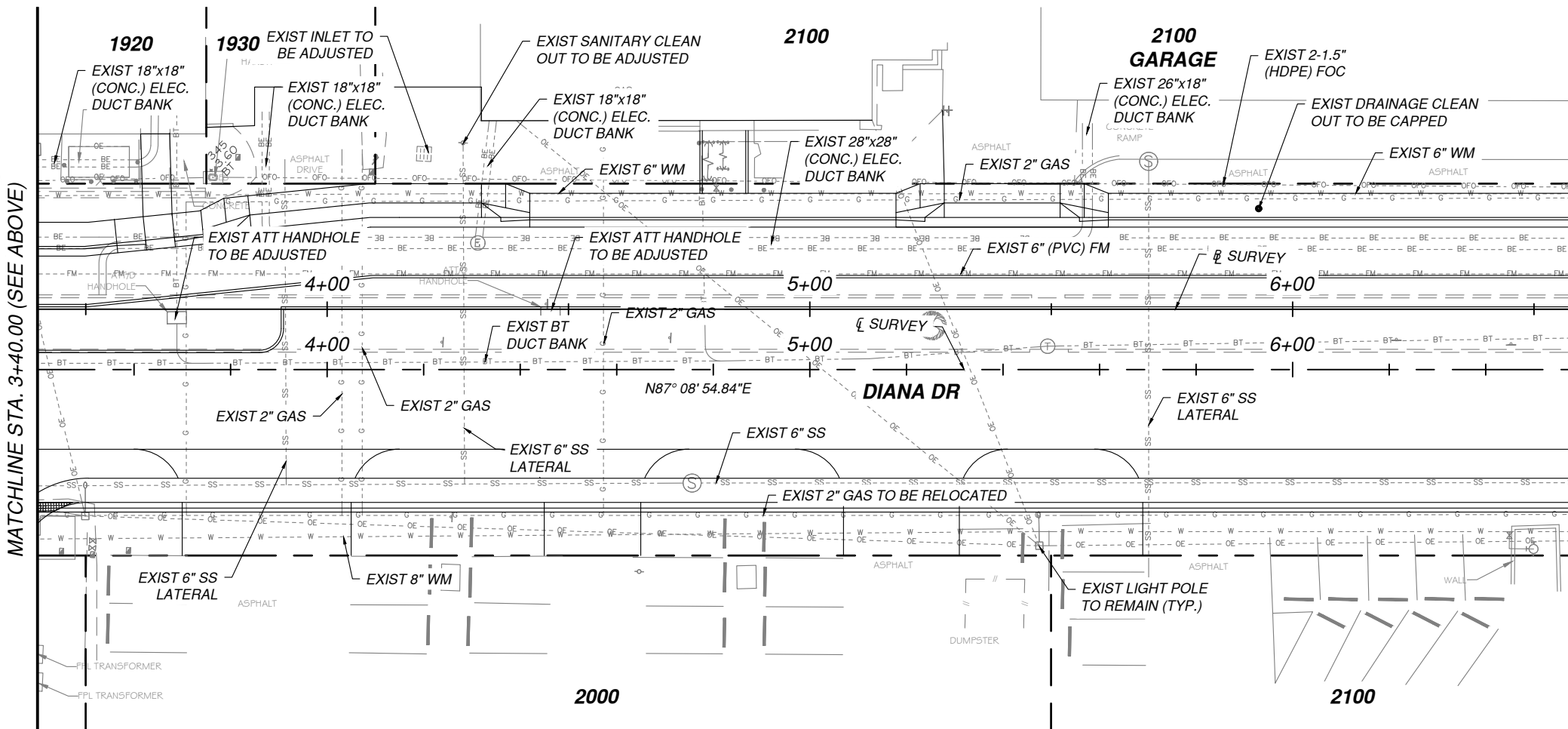
**UTILITY  
ADJUSTMENT**

SHEET NO.

**U-1.0**

SHEET 40 OF 42

60% PHASE SUBMITTAL

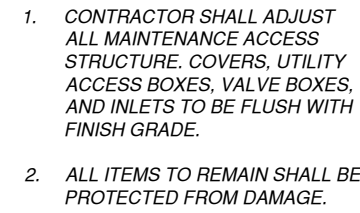
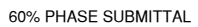


MATCHLINE STA. 3+40.00 (SEE ABOVE)

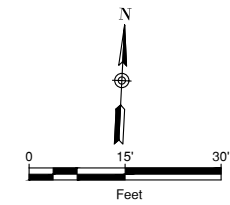
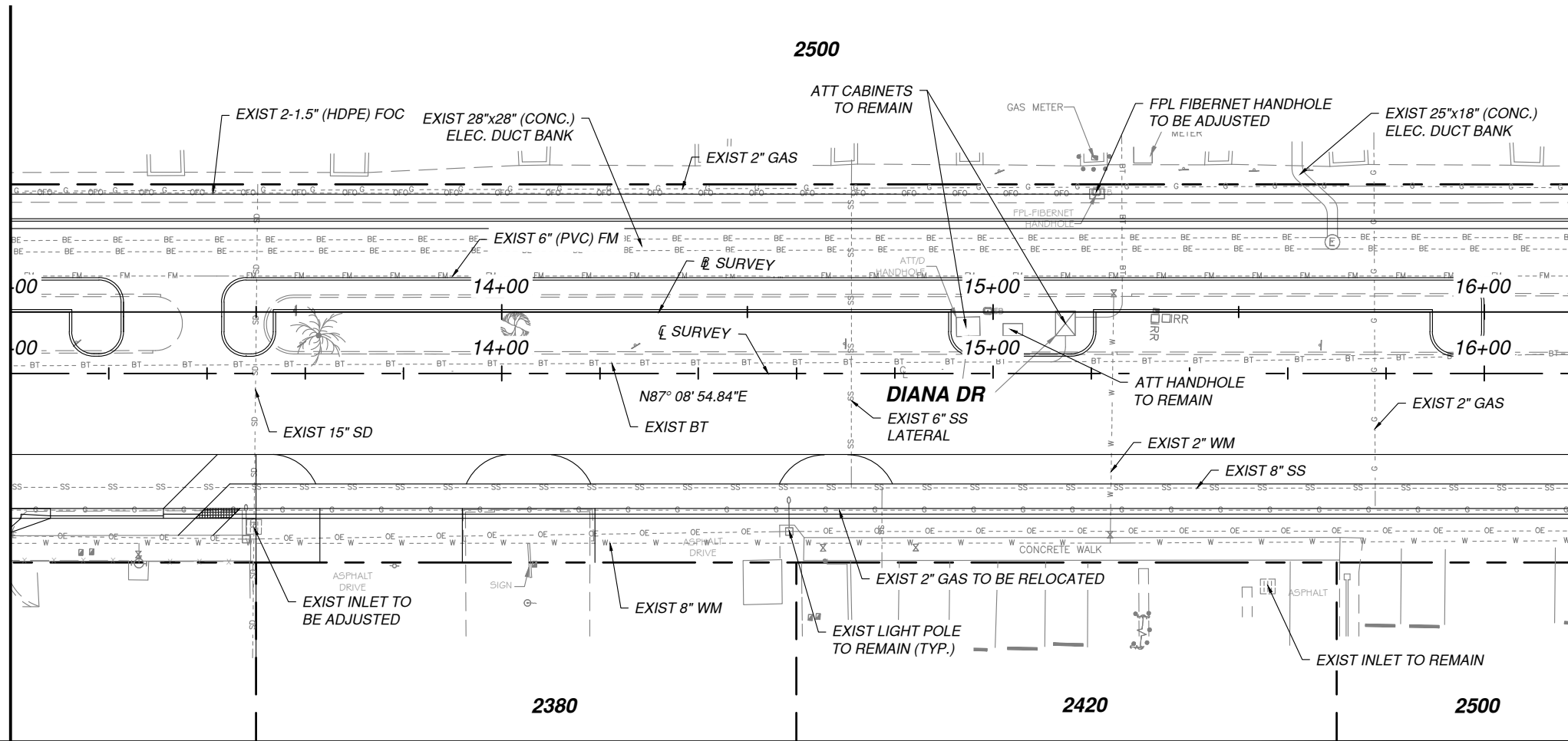
MATCHLINE STA. 6+60.00 (SEE SHEET U-2.0)

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MATCHLINE STA. 13+00.00 (SEE SHEET U-2.0)

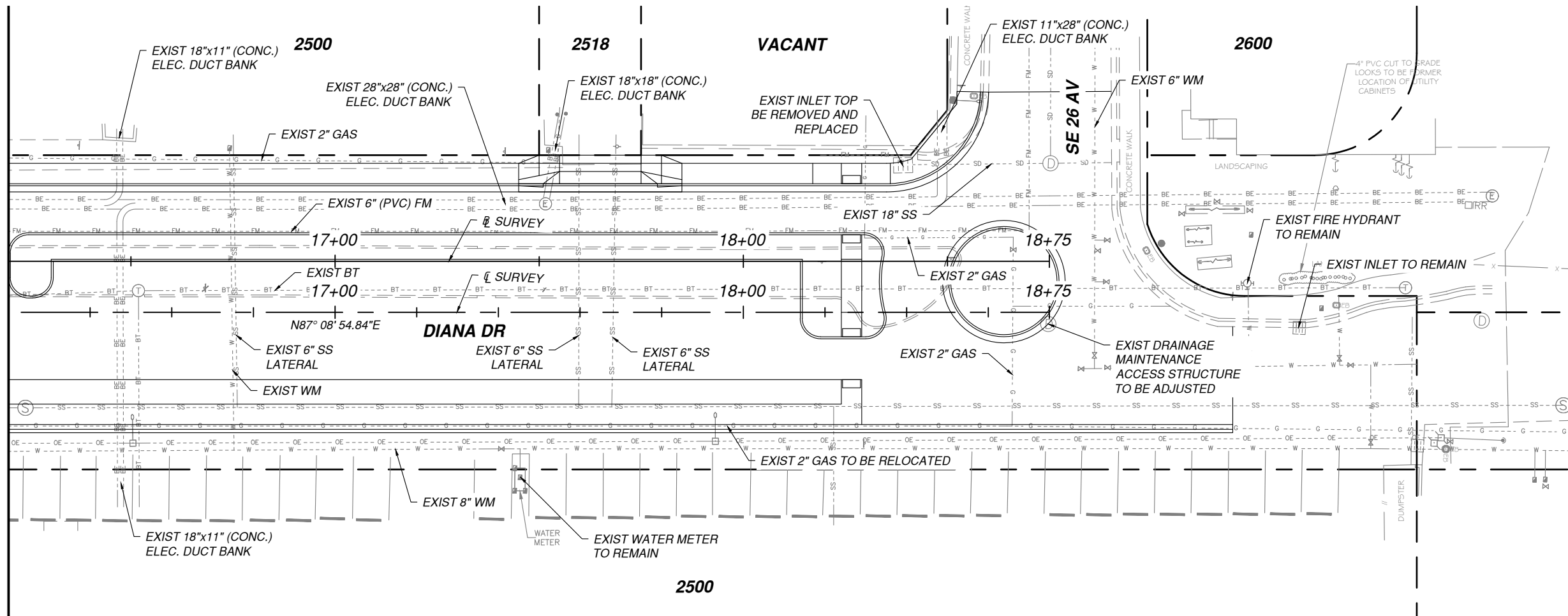


**NOTE:**

1. CONTRACTOR SHALL ADJUST ALL MAINTENANCE ACCESS STRUCTURE, COVERS, UTILITY ACCESS BOXES, VALVE BOXES, AND INLETS TO BE FLUSH WITH FINISH GRADE.
2. ALL ITEMS TO REMAIN SHALL BE PROTECTED FROM DAMAGE.

MATCHLINE STA. 16+20.00 (SEE BELOW)

MATCHLINE STA. 16+20.00 (SEE ABOVE)



  
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FLORIDA  
DEPARTMENT OF PUBLIC WORKS  
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HALLANDALE BEACH, FL 33009  
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FAX: 954-457-1624

CONSULTANT:  
  
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CA # 7011  
EAC PROJECT No. 14045.SD01-02

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PROJECT:  
**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016  
DESIGNED BY: SR  
DRAWN BY: RG  
REVIEWED BY: SS

SEAL:  
  
SHARI J. RAMIREZ, P.E.  
FL LICENSE No. 73078

SHEET TITLE:  
**UTILITY  
ADJUSTMENT**

SHEET NO. **U-3.0**  
SHEET 42 OF 42  
60% PHASE SUBMITTAL

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CA # 7011  
EAC PROJECT No. 14045.SD01-02



PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: JL

DRAWN BY: JP

REVIEWED BY: JL

SEAL:

Jean C. Lee, RLA  
FL LICENSE No. LA0001721

SHEET TITLE:

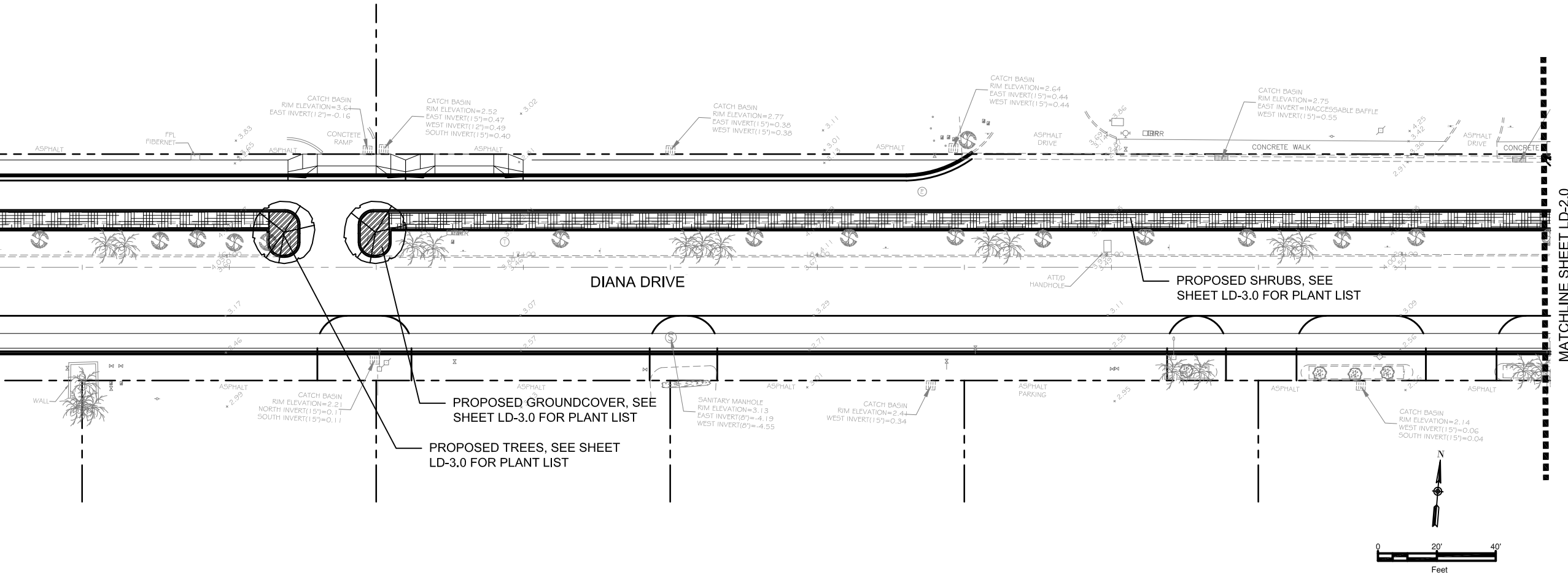
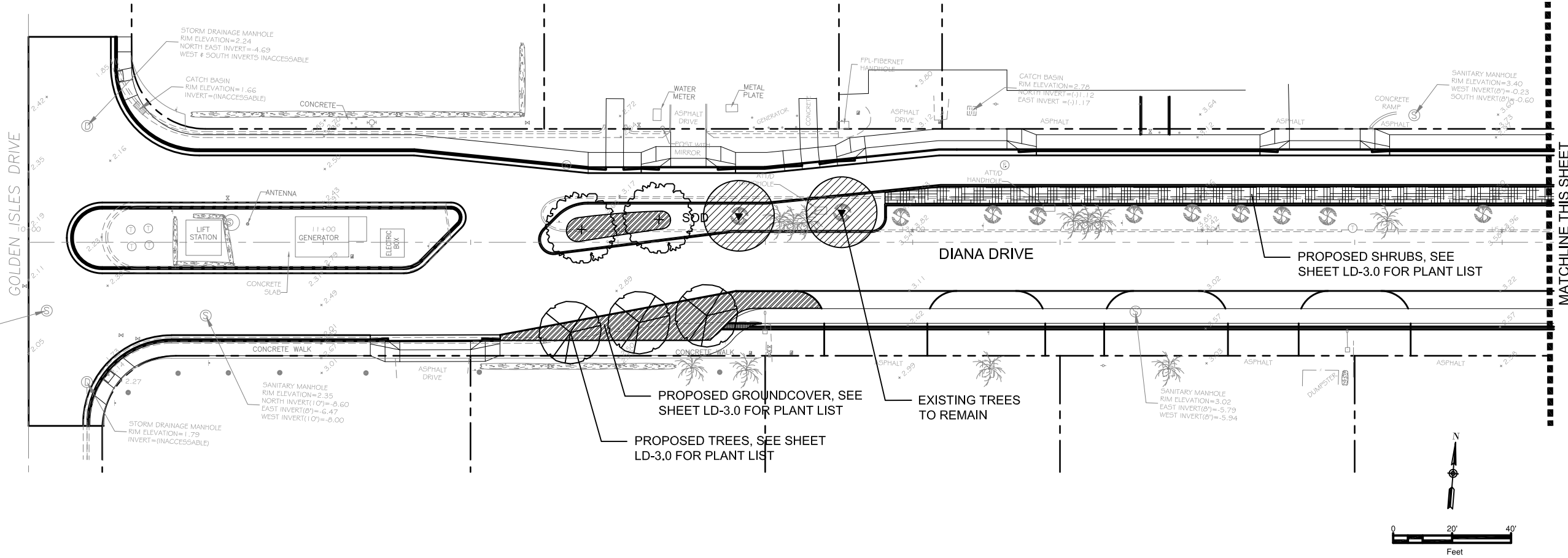
**PLANTING PLAN**

SHEET NO.

**LD-1.0**

SHEET 1 OF 3

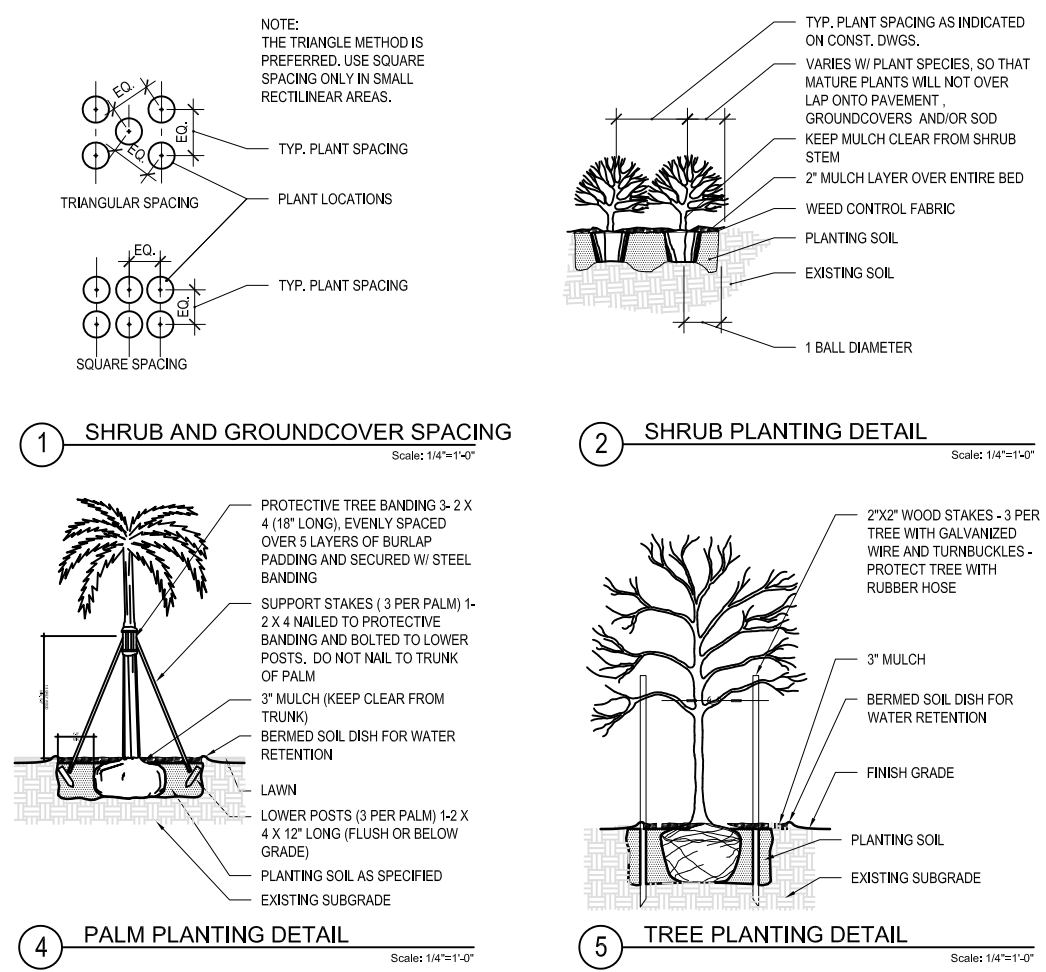
60% PHASE SUBMITTAL





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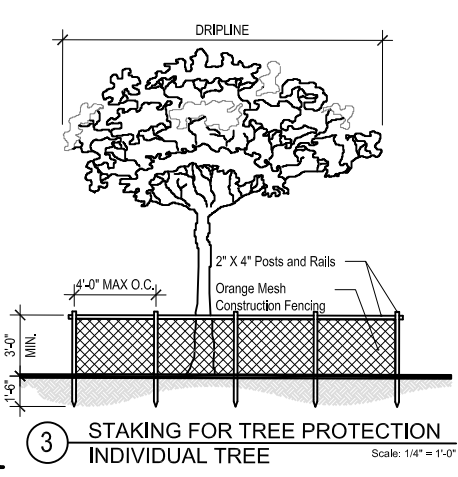




PLANT LEGEND

SYMBOL	DESCRIPTION	BOTANICAL NAME	COMMON NAME	SPECIFICATION
	TREE	Quercus virginiana Swietenia mahagoni	Live Oak Mahogany Tree	18' Ht, 7" spr., 5' ct, Full
	TREE	Bursera simaruba Conocarpus erectus	Gumbo Limbo Green Buttonwood	16' Ht, 7" spr., 4' ct, Full
	SHRUBS	Bambusa eutuldoides viridi Chrysobalanus icaco Clusia guttifera Conocarpus e. 'Sericeus'	Asian Lemon Bamboo Cocoplum Hedge Clusia Hedge Silver Buttonwood Hedge	7 gal, 42" ht, 32" spr, 36" oc
	GROUNDCOVER	Ficus 'Green Island' Jasminum volubile	Green Island Ficus Wax Jasmine	3 gal., 20" ht, 16" spr, 24" oc

- NOTES:
1. FINAL PLANS WILL CONTAIN SELECTIONS FROM THE SUGGESTED PLANT MATERIALS FROM THE PLANT LIST ABOVE..
  2. ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITIES NOT COVERED BY PAVEMENT, BUILDINGS, SHRUBS & GROUNDCOVER SHALL BE SODDED WITH SOLID ST. AUGUSTINE FLORATAM.
  3. ALL TREES AND PALMS SHALL BE FLORIDA #1 OR BETTER AND SHALL BE FIELD GROWN.
  4. ALL NEW LANDSCAPED AREAS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEM WHICH SHALL UTILIZE AN EXISTING WATER SUPPLY.
  5. IRRIGATION SYSTEM SHALL BE EQUIPPED WITH RAIN SENSOR AND SHALL PROVIDE 100% COVERAGE.
  6. CONTRACTOR SHALL SUBMIT PHOTOGRAPHS TO LANDSCAPE ARCHITECT FOR WRITTEN APPROVAL OF ALL PLANT MATERIAL PRIOR TO BRINGING TO THE SITE.
  7. VERIFY THAT IRRIGATION SYSTEM IS IN WORKING ORDER PRIOR TO DELIVERY OF PLANT MATERIALS.
  8. THESE PLANS ARE NOT COMPLETE WITHOUT WRITTEN SPECIFICATIONS.



GUMBO LIMBO TREE



OAK TREE



BAMBOO SCREEN



CLUSIA HEDGE



FICUS 'GREEN ISLAND'



SILVER BUTTONWOOD HEDGE



COCOPLUM HEDGE



WAX JASMINE

DEPARTMENT OF PUBLIC WORKS

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EAC PROJECT No. 14045.SD01-02

CURTIS + ROGERS  
DESIGN STUDIO INC

Landscape Architecture

7520 S RED ROAD, SUITE M  
SOUTH MIAMI, FLORIDA 33143  
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www.curtisrogers.com LC 0000241

PROJECT:

**DIANA DRIVE  
ROADWAY  
AND DRAINAGE  
IMPROVEMENTS**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: SEPTEMBER 23, 2016

DESIGNED BY: JL

DRAWN BY: JP

REVIEWED BY: JL

SEAL:

Jean C. Lee, RLA  
FL LICENSE No. LA0001721

SHEET TITLE:

**PLANTING DETAILS.  
NOTES & PICTURES**

SHEET NO.

**LD-3.0**

SHEET 3 OF 3

60% PHASE SUBMITTAL