CITY OF HIGHLAND VILLAGE

CONSTRUCTION PLANS FOR

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

MAYOR
CHARLOTTE WILCOX

CITY COUNCIL

KEVIN COX — RHONDA HURST

HOGAN HEATHINGTON — DAVID JAWORSKI

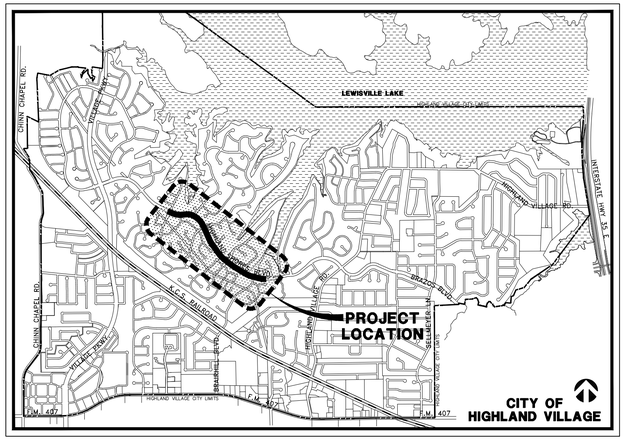
BRIAN FIORENZA — SHAWN NELSON

CITY MANAGER
PAUL STEVENS

DIRECTOR OF PUBLIC WORKS
SCOTT KRISTON

DEPUTY DIRECTOR OF PUBLIC WORKS
GLENN HOLLOWELL, P.E.

CITY OF Highland Village



VICINITY MAP

SPI JOB NO. 23-2132

SEPTEMBER 2026

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NOTE: CITY OF HIGHLAND VILLAGE GENERAL STANDARD DETAILS CAN BE FOUND ON CITY'S WEBSITE.

OWNER:
CITY OF HIGHLAND VILLAGE
1000 HIGHLAND VILLAGE ROAD
HIGHLAND VILLAGE, TEXAS 75077

ENGINEER:
SCHAUMBURG & POLK, INC.
BEAUMONT | HOUSTON | RICHARDSON
KYLE | PORT ARTHUR | TERRELL | TYLER
2201 N. CENTRAL EXPRESSWAY
SUITE 205
RICHARDSON, TEXAS 75080
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

23-2132 - HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

GENERAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF HIGHLAND VILLAGE STANDARDS AND SPECIFICATIONS AND THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT (NCTCOG) STANDARDS AND SPECIFICATIONS, EXCEPT AS NOTED. IN THE EVENT OF A CONFLICT, THE CITY OF HIGHLAND VILLAGE STANDARDS AND SPECIFICATIONS SHALL GOVERN.

2. CONTRACTOR SHALL KEEP PROJECT WORK SITE CLEAN AND ORDERLY AND REMOVE DEBRIS DAILY. IT WILL BE UNACCEPTABLE TO ALLOW TRASH TO BLOW ONTO ADJACENT PROPERTIES. STRICT ATTENTION WILL BE PAID TO THIS ITEM. IF CONTRACTOR FAILS TO ADHERE TO THIS STIPULATION, OWNER RESERVES THE RIGHT TO STOP WORK UNTIL TRASH IS CLEANED UP. THIS STOPPAGE OF WORK WILL NOT EXTEND THE ORIGINAL CONTRACT TIME. CONTRACTOR SHALL CONTAIN CONSTRUCTION DEBRIS TO PREVENT PUBLIC ACCESS TO THE DEBRIS.

3. CONTRACTOR SHALL MAINTAIN ADEQUATE SANITARY FACILITIES FOR USE BY WORKERS THROUGHOUT CONSTRUCTION.

4. NO TRAFFIC SIGNS ARE TO BE RELOCATED OR REMOVED WITHOUT PRIOR APPROVAL OF THE CITY OF HIGHLAND VILLAGE

5. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES RESULTING FROM CONSTRUCTION WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENT OR REPRESENTATIVES IN PERFORMANCE OF THE WORK. THE SEAL OF SCHAUMBURG AND POLK, INC. REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS, INCLUDING THE PLANS AND SPECIFICATIONS.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE PLANS OF RECORD.

8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SITE DRAINAGE THROUGHOUT THE DURATION OF THIS PROJECT.

9. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS BEFORE CONSTRUCTION BEGINS.

10. THE CONTRACTOR SHALL KEEP EXCAVATED TRENCHES FREE OF GROUNDWATER DURING CONSTRUCTION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE DEWATERING IN ORDER TO CONTROL GROUNDWATER DURING CONSTRUCTION SUCH THAT IT DOES NOT AFFECT HIS CONSTRUCTION WORK. (NO SEPARATE PAY ITEM)

11. EXISTING FACILITIES ARE SHOWN IN APPROXIMATE LOCATIONS PER INFORMATION AND RECORDS AVAILABLE. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO UNCOVER AND VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING FACILITIES WHEREVER NECESSARY PRIOR TO CONSTRUCTION.

12. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OR HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

13. CONTRACTOR SHALL CONTACT 1-800-DIG-TESS (344-8377) PRIOR TO ANY EXCAVATION. CONTACT (972) 317-2989 CITY OF HIGHLAND VILLAGE UTILITIES DEPARTMENT FOR WET UTILITY LOCATES.

14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT ELECTRIC POWER AND TELEPHONE RISERS ARE NOT DISTURBED DURING CONSTRUCTION.

15. HIGH VOLTAGE UNDERGROUND ELECTRIC IS PRESENT IN THE AREA. CONTRACTOR SHALL CONTACT COSERV 48 HOURS PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO ENSURE ALL HIGH VOLTAGE LINES ARE MARKED AND PROTECTED PRIOR TO ANY EXCAVATION.

16. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROTECTION OF PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, VALVE BOXES, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND/OR AFTER PLACING OF PERMANENT PAVING. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUPPORT OF EXISTING STREET SIGNS, ETC., WHEN EXCAVATING IN THE VICINITY.

17. EROSION CONTROL SHALL START WITH INITIAL CONSTRUCTION AND BE PRACTICED THROUGHOUT THE PROJECT.

18. IN THE EVENT AN ITEM IS NOT COVERED IN THE CITY OF HIGHLAND VILLAGE SPECIFICATIONS, THE CITY ENGINEER'S DECISION SHALL APPLY.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY DURING CONSTRUCTION AND WILL PROVIDE THE NECESSARY TRAFFIC BARRICADES AND WARNING SIGNAGE TO PROTECT THE CONSTRUCTION SITE. CONSTRUCTION BARRICADES SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. IN AREAS WHERE LONG TERM NIGHTTIME BARRICADES ARE USED, BARRICADES SHOULD INCLUDE HIGH INTENSITY REFLECTIVE SHEETING.

20. THE CITY OF HIGHLAND VILLAGE PUBLIC WORKS IS TO BE NOTIFIED 48 HOURS (2 WORKING DAYS) PRIOR TO ANY CONSTRUCTION OF PAVING AND UTILITIES IN RIGHT- OF-WAY, EASEMENTS.

21. ALL DISTURBED EARTH AREAS ARE TO BE FINISH GRADED TO ORIGINAL OR PROPOSED CONTOURS, FERTILIZED AND COVERED WITH SOLID SOD/HYDROMULCH ACCORDING TO NCTCOG SPECIFICATIONS IMMEDIATELY AFTER CONSTRUCTION. BACKFILL IS TO BE SELECT MATERIAL FREE OF ROCK AND OTHER DEBRIS. CONTRACTOR SHALL THOROUGHLY WATER THE SOD IMMEDIATELY AFTER PLACEMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTINUED MAINTENANCE (INCLUDING MOWING) AND WATERING OF THE NEWLY SODDED AREAS UNTIL THE ENTIRE PROJECT IS COMPLETED AND ACCEPTED BY THE CITY OF HIGHLAND VILLAGE. GRASS SHALL BE WEED FREE. WATERING OF THE SOD SHALL BE DONE IN A MANNER AND QUANTITY AS DIRECTED BY CITY OF HIGHLAND VILLAGE INSPECTION PERSONNEL. (NO SEPARATE PAY)

22. ARRANGEMENTS FOR CONSTRUCTION WATER SHALL BE MADE THROUGH THE CITY OF HIGHLAND VILLAGE AND SHALL BE AT THE METERED EXPENSE OF THE CONTRACTOR. CONTRACTOR TO PAY FOR WATER (METER DEPOSIT NOT REQUIRED).

23. THE CONTRACTOR SHALL USE THE PUBLIC RIGHT-OF-WAYS AND EXISTING UTILITY EASEMENTS FOR ACCESS TO THE JOB SITE.

24. NO EXISTING TREES SHALL BE REMOVED WITHOUT APPROVAL OF THE CITY OF HIGHLAND VILLAGE. IN ADDITION, THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL BE DONE WITH EXTREME CAUTION.

25. ALL EXCAVATION SHALL BE UNCLASSIFIED EXCAVATION FOR PAYMENT PURPOSES. THE TOP 3 INCHES OF SOIL SHALL BE STRIPPED AND STOCKPILED ON THE SITE AND SPREAD OVER THE SITE AS TOP SOIL DURING FINAL GRADING.

26. THE CONTRACTOR SHALL NOT PLACE FILL, STAGE OR STORE ANY MATERIAL, OR PLACE WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT PRIOR WRITTEN AGREEMENT WITH THE PROPERTY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COPY OF ANY AGREEMENT WITH PRIVATE PROPERTY OWNERS TO THE CITY OF HIGHLAND VILLAGE WITHIN SEVEN CALENDAR DAYS OF THE START OF DISRUPTION OF PRIVATE PROPERTY. IF THE CONTRACTOR PLACES MATERIAL IN AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN EXPENSE.

27. SIGNS ALONG ROUTE REMOVED FOR CONVENIENCE OF CONSTRUCTION SHALL BE RE-ESTABLISHED AFTER COMPLETION OF BACKFILLING IN THAT AREA. (NO SEPARATE PAY ITEM.)

28. THE CONTRACTOR SHALL PROVIDE MEANS FOR ADEQUATELY CONTROLLING AND AVOIDING SOIL EROSION DURING CONSTRUCTION. FILTER FABRIC FENCE FOR EROSION CONTROL SHALL BE PROVIDED, IF NECESSARY. THE CONTRACTOR SHALL NOT STORE SPOIL IN DRAINAGE WAYS DURING CONSTRUCTION.

29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PUBLIC SAFETY DURING CONSTRUCTION AND WILL PROVIDE THE NECESSARY TRAFFIC BARRICADES AND WARNING SIGNAGE TO PROTECT THE CONSTRUCTION SITE. CONSTRUCTION BARRICADES SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), LATEST EDITION. IN AREAS WHERE LONG TERM NIGHTTIME BARRICADES ARE USED, BARRICADES SHOULD INCLUDE HIGH INTENSITY REFLECTIVE SHEETING.

30. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSTRUCTION STAKING.

31. THE CONTRACTOR SHALL BE PREPARED TO PROVIDE ACCESS ACROSS TRENCHES AND DRIVEWAYS AT ALL TIMES IN CASE OF EMERGENCY.

32. CONTRACTOR SHALL BE REQUIRED TO NOTIFY CITY INSPECTOR AND AFFECTED PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO MAKING MAJOR WATER LINE SHUTDOWNS (IF REQUIRED).

33. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION OF PEDESTRIAN WALKWAYS, BARRIER-FREE RAMPS, ETC., SHALL MEET CURRENT ADA CRITERIA AS DICTATED BY TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR). THIS SHALL INCLUDE SLOPES OF PEDESTRIAN WALKWAYS AT NO MORE THAN 2% CROSS SLOPE AND 5% LONGITUDINAL SLOPE.

34. THE CONTRACTOR'S MATERIAL STORAGE SITE TO BE APPROVED BY OWNER IN ADVANCE OF MOBILIZATION. MATERIAL SHALL BE SECURED AND PUBLIC ACCESS TO THE STORAGE SITE PROHIBITED. MATERIAL WILL BE REMOVED COMPLETELY UPON NOTICE TO CONTRACTOR OF UNSAFE CONDITIONS.

35. THE CONTRACTOR SHALL PROVIDE FOR PROPER DUST CONTROL MEASURES IN ACCORDANCE WITH DIVISION 203.8 OF THE NCTCOG STANDARDS AND SPECIFICATIONS (NO SEPARATE PAY).

36. ANY ITEMS MARKED AS TO BE HELD, SALVAGED, OR DELIVERED TO THE CITY SHALL BECOME PROPERTY OF THE CONTRACTOR IF THE CITY REFUSES TO ACCEPT THE MATERIAL. THE CONTRACTOR WILL BE THEN RESPONSIBLE FOR DISPOSING THE MATERIAL. THIS EFFORT, IF REQUIRED, SHALL BE SUBSIDIARY TO OTHER ITEMS. NO SEPARATE PAY ITEM WILL BE CREATED.

37. ALL REPAIRS FOR DRIVEWAYS, CURB AND GUTTER, AND STREET REPAIR SHALL MATCH EXISTING DRAINAGE PATTERNS.

38. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS, PARKING AREAS, SIDEWALKS, ETC., ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM CONSTRUCTION.

39. ANY AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF THE PROJECT LIMITS SHALL BE REPLACED IN AS GOOD OF CONDITION PRIOR TO CONSTRUCTION. THIS MAY INCLUDE RESODDING OF GRASS AREAS OR OTHER REPLACEMENTS AS NECESSARY (NO SEPARATE PAY).

40. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST EXISTING MANHOLE COVERS, VALVE COVERS, CLEANOUT COVERS AND ANY OTHER EXISTING UTILITIES TO MATCH THE FINAL ELEVATIONS.

GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL USE THE PUBLIC RIGHT-OF-WAY AND EXISTING UTILITY EASEMENTS TO ACCESS THE JOB SITE. UNDER NO CIRCUMSTANCES WILL UNAUTHORIZED ACCESS ACROSS PRIVATE PROPERTY BE TOLERATED.

2. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PUBLIC SAFETY THROUGHOUT THE DURATION OF CONSTRUCTION.

3. ALL TEMPORARY SIGNS, MARKINGS, CONES, CHANNELIZING DEVICES, WARNING LIGHTS AND BARRICADES SHALL BE IN ACCORDANCE WITH THE CURRENT STATE OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

4. TYPE "A" WARNING LIGHTS SHALL BE PLACED ON ALL ADVANCE WARNING SIGNS. IN ADDITION, FLAGS SHALL BE PLACED ON ALL ADVANCE WARNING SIGNS THAT DETOUR TRAFFIC.

5. THE SPACING OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED TO FIT THE GEOMETRIC CONDITIONS ENCOUNTERED, SUCH AS DRIVEWAYS, INTERSECTING ROADWAYS, VERTICAL AND HORIZONTAL ALIGNMENT, ETC., AS APPROVED BY THE CITY OF HIGHLAND VILLAGE.

6. ANY EXISTING CONFLICTING MARKINGS SHALL BE REMOVED PRIOR TO SHIFTING TRAFFIC.

7. ADVANCE WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.

8. USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE CITY OF HIGHLAND VILLAGE DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FOOT SETBACK, THE CITY OF HIGHLAND VILLAGE SHALL APPROVE ALTERNATE LOCATIONS.

9. THE POSTED SPEED FOR WARNING SIGNAGE IS TO BE DETERMINED AT THE SITE BY THE CITY OF HIGHLAND VILLAGE.

10. REDUCED SPEED WARNING SIGNAGE SHOULD BE PLACED PRIOR TO AND AT REGULAR INTERVALS WITHIN THE CONSTRUCTION ZONE.

11. THE CONTRACTOR SHALL ACCOMMODATE EXISTING TRAFFIC DURING CONSTRUCTION AND SHALL MAINTAIN AT LEAST ONE OPEN LANE OF TRAFFIC AT ALL TIMES, UNLESS OTHERWISE NOTED. THE USE OF FLAG MEN, BARRICADES, VERTICAL PANELS, ETC. SHALL BE REQUIRED AND SHALL BE CONSIDERED SUBSIDIARY TO "CONSTRUCTION BARRICADING/ SIGNING/TRAFFIC CONTROL".

12. ALL STREETS AND PROPERTIES MUST BE KEPT ACCESSIBLE TO FIRE TRUCKS, AMBULANCES AND OTHER EMERGENCY VEHICLES AT ALL TIMES.

13. STORM WATER POLLUTION PREVENTION DEVICES MUST BE PROPERLY INSTALLED AND MAINTAINED DURING ALL STAGES OF CONSTRUCTION.

14. NO WORK ALONG THE ROAD SIDE OR STREET CROSSING SHALL BE DONE UNLESS PROPER TRAFFIC CONTROL PERSONNEL ARE PRESENT AND SUPPLIED BY THE CONTRACTOR.

15. AS PART OF THE BID ITEM, "CONSTRUCTION BARRICADING/SIGNING/TRAFFIC CONTROL," THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN FOR CONSTRUCTION, A MINIMUM OF 3 DAYS PRIOR TO CHANGES IN TRAFFIC HANDLING OR MOVEMENT. THESE PLANS ARE TO BE REVIEWED AND APPROVED BY THE CITY OF HIGHLAND VILLAGE PRIOR TO CONSTRUCTION OF THAT PHASE.

16. ALL TEMPORARY PAVEMENT MARKINGS REQUIRED DURING CONSTRUCTION SHALL BE OF THE REMOVABLE TYPE. TEMPORARY MARKINGS AND STRIPING MAY BE REQUIRED TO TRANSITION TRAVEL LANES BETWEEN CONSTRUCTION PHASES. ALL PAVEMENT MARKINGS AND STRIPING SHALL BE REFLECTIVE. (NO SEPARATE PAY)

17. SIGNS ALONG ROUTE REMOVED FOR CONVENIENCE OF CONSTRUCTION SHALL BE RE-ESTABLISHED AFTER COMPLETION OF BACKFILLING IN THE AREA. (NO SEPARATE PAY ITEM)

18. NO TRAFFIC SIGNS ARE TO BE RELOCATED OR REMOVED WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY OF ALLEN, TRAFFIC DIVISION OF THE ENGINEERING DEPARTMENT.

19. NO WORK ON SUNDAYS WILL BE ALLOWED ON THIS PROJECT. SATURDAY WORK MAY BE ALLOWED DEPENDING ON CONDITIONS AND APPROVAL BY THE CITY. SATURDAY WORK MUST BE REQUESTED BY THE CONTRACTOR IN WRITING NO LATER THAN THURSDAY PRIOR TO THE SPECIFIC WEEKEND BEING REQUESTED.

SCHAUMBURG & POLK, INC.
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STATE OF TEXAS
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ENGINEER

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

CITY OF HIGHLAND VILLAGE

PROJECT GENERAL NOTES

NO.:	DATE:	REVISION:	REVIEWED:
A			
B			
C			
D			
E			
F			
G			

SCALE:
NO SCALE

DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
2

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132GENNOTES

GENERAL CONSTRUCTION SEQUENCING NOTES

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL DEVELOP AND SUBMIT FOR CITY OF HIGHLAND VILLAGE APPROVAL, IN DETAIL, A CONSTRUCTION SCHEDULE THAT SHALL CAUSE MINIMUM INTERFERENCE WITH TRAFFIC ALONG, ACROSS AND ADJACENT TO THE PROJECT DURING CONSTRUCTION. IF THE SCHEDULE OR SEQUENCE BECOMES UNWORKABLE OR UNSATISFACTORY AS WORK PROCEEDS, ADJUSTMENTS SHALL BE MADE.

MEASUREMENT AND PAYMENT NOTES:

1. THE TOTAL CONTRACT PRICE SHALL COVER ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS. ALL COSTS IN CONNECTION WITH THE PROPER AND SUCCESSFUL COMPLETION OF THE WORK, INCLUDING FURNISHING ALL MATERIALS, EQUIPMENT, SUPPLIES, AND APPURTENANCES; PROVIDING ALL CONSTRUCTION PLANT, EQUIPMENT, AND TOOLS; AND PERFORMING ALL NECESSARY LABOR AND SUPERVISION TO FULLY COMPLETE THE WORK, SHALL BE INCLUDED IN THE UNIT AND LUMP SUM PRICES BID. ALL WORK NOT SPECIFICALLY SET FORTH AS A PAY ITEM IN THE BID FORM SHALL BE CONSIDERED A SUBSIDIARY/INCIDENTAL TO OTHER ITEMS OF WORK AND ALL COSTS IN CONNECTION THEREWITH SHALL BE INCLUDED IN THE PRICES BID.

2. THERE SHALL BE NO SEPARATE PAY FOR THE FOLLOWING ITEMS, WHICH SHALL BE CONSIDERED SUBSIDIARY TO OTHER PAY ITEMS.

   - ALL PAVEMENT JOINTS INCLUDING BUT NOT LIMITED TO LONGITUDINAL BUTT JOINTS.
   - ALL WATER LINE FITTINGS, CONCRETE BLOCKING, AND OTHER APPURTENANCES.
   - CONTRACTOR NEGOTIATIONS WITH PROPERTY OWNERS REGARDING TEMPORARY STAGING AREAS.
   - TEMPORARY CONSTRUCTION FENCING WHERE REQUIRED BY THE CITY.
   - STRIPPING, STOCKPILING, AND REGRADING OF TOPSOIL EXCAVATION AND BACKFILL OF UTILITY TRENCHES.
   - CUTTING AND PLUGGING EXISTING WATER LINE TO BE ABANDONED.
   - FINAL CLEANUP.
   - LOCATING EXISTING UTILITIES.
   - PREPARATION OF SUBGRADE AND FINE GRADING.
   - ALL FEES INCLUDING TCEQ FEES FOR THE SWPPP.
   - COORDINATION WITH POWER COMPANY AND MATERIALS, LABOR, OR WORKMANSHIP REQUIRED TO COMPLY WITH STANDARDS OF THE UTILITY COMPANY.
   - PROTECTION OF EXISTING MANHOLES, VALVES, TREES, FENCES, WALLS, ECT.

CONCRETE PAVING NOTES:

1. REINFORCED CONCRETE STREET PAVEMENT:
   A. SHALL BE 8" THICK REINFORCED CONCRETE, STRENGTH SHALL CLASS 'P1" (NCTCOG LATEST EDITION).
   B. ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT.
   C. DETAIL AND ARRANGEMENT OF PAVEMENT JOINTS, ALL TYPES, SHALL BE AS SHOWN ON CITY OF HIGHLAND VILLAGE STANDARD DETAILS OR SHALL MATCH EXISTING JOINT LINES IN ADJACENT PAVEMENT.

2. STREET BASE:
   A. SHALL BE 8" THICK, CEMENT STABILIZED BASE
   B. CEMENT BASE SHALL BE 6% CEMENT BY DRY WEIGHT MEASURE AND CONFORMS TO TXDOT ITEM 275.
   C. AFTER CEMENT MIXING THE MIXTURE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR (ASTM D698) AND TO A MOISTURE CONTENT THAT IS AT OR ABOVE THE OPTIMUM MOISTURE.
   D. CEMENT SHALL BE PLACED BY SLURRY METHOD.

3. STREET SUBGRADE:
   A. SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR AT -2% TO +4% OPTIMUM MOISTURE. THERE IS NO SEPARATE PAY FOR THIS AND IT CONSIDERED SUBSIDIARY TO CEMENT BASE/AGGREGATE BASE.

4. NO TRAFFIC ON FINISHED BASE SHALL BE PERMITTED AFTER REINFORCING STEEL IS INSTALLED ABOVE BASE. NO TRAFFIC SHALL BE PERMITTED BEFORE OR DURING THE PLACING OF CONCRETE.

5. CROSS SLOPE OF STRAIGHT CROWN STREETS SHALL BE AS DICTATED IN THE CONSTRUCTION PLANS UNLESS APPROVED BY CITY ENGINEER. ALL SIDEWALK CROSS SLOPES SHALL BE MIN. 1% PER FOOT, AND IN NO CASE SHALL EXCEED 2% PER FOOT (ZERO TOLERANCE), TO MEET ACCESSIBILITY REQUIREMENTS.

6. REINFOCED CONCRETE SIDEWALK PAVEMENT
   A. SHALL BE 4"/6" THICK REINFORCED CONCRETE, STRENGTH SHALL CLASS 'A" (NCTCOG LATEST EDITION).
   B. ALL CURBS SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE OF THE SAME STRENGTH AS CONCRETE PAVEMENT.

7. THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE POTENTIAL DROP-OFF HAZARDS.

8. BEDDING SHOULD BE WATERED JUST PRIOR TO POURING CONCRETE TO PREVENT PREMATURE CURING.

9. ALL MANHOLES, VALVE BOXES, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND/OR AFTER PLACING OF PERMANENT PAVING.

10. TEMPORARY TRENCH REPAIRS LASTING LESS THAN SEVEN (7) CALENDAR DAYS MAY USE 4" OF FLEXIBLE BASE OVER TRENCH BACKFILL COMPACTED TO 95% STANDARD PROCTOR DENSITY. WHERE WEATHER CONDITIONS OR OTHER DELAYS DO NOT PERMIT FINAL PAVEMENT REPAIRS WITHIN SEVEN (7) DAYS, A TEMPORARY TWO (2") LAYER OF H.M.A.C. (TYPE D) SURFACE COURSE OVER TRENCH BACKFILL COMPACTED TO 95% PROCTOR DENSITY SHALL BE USED IN PLACE OF FLEXIBLE BASE ON ALL TRENCHES. TEMPORARY FLEXIBLE BASE OR ASPHALT SHALL BE PLACED AND MAINTAINED WITH AN EVEN FINISH, WITHOUT DIPS OR RUTS, FREE OF DUST. THIS TEMPORARY PAVING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE SUBSIDIARY TO LUMP SUM PAY ITEM FOR TRAFFIC CONTROL MEASURES.

11. SIDEWALK SHALL BE REPLACED TO THE LIMITS NECESSARY TO MEET ADA SLOPE REQUIREMENT (5% MAX. LONGITUDINAL, 2% MAX. CROSS-SLOPE) AND TIE IN FLUSH WITH ADJACENT SIDEWALK PANELS. SIDEWALK SHALL BE REPLACED IN FULL PANEL SECTIONS ONLY.

12. CONCRETE SHOULD BE IN PLACE NO MORE THAN 1HR. 15MIN. FROM TIME OF BEING DELIVERED.

13. REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.

14. CONTRACTOR SHALL VIBRATE CONCRETE AS NEEDED TO REMOVE VOIDS.

15. PRIOR TO FINAL ACCEPTANCE, ALL CONCRETE SURFACES SHALL BE CLEARED OF ALL DISCOLORATION SUCH AS TIRE MARKS OR OTHER DISFIGUREMENT.

WATER NOTES:

1. ALL WATER LINES SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

   1.1 THE PIPE CLASS SHALL BE A MINIMUM CLASS DR14 FOR 6" PIPE AND CLASS DR18 FOR 8" AND LARGER PIPE. UNPLASTICIZED PVC WATER PIPE SHALL MEET OR EXCEED REQUIREMENTS OF AWWA C900 FOR PIPES 12" IN DIAMETER AND LESS. AWWA C905 SHALL BE USED FOR PIPES GREATER THAN 12".

   1.2 PIPE SHALL BE FURNISHED WITH A RUBBER RING AT EACH JOINT AND AN INTEGRAL THICKENED BELL AS PART OF EACH JOINT. LAYING LENGTHS SHALL BE 20-FOOT. PIPE AND FITTINGS MUST BE ASSEMBLED WITH NON-TOXIC LUBRICANT.

   1.3 FITTINGS FOR PVC SHALL BE DOMESTIC ONLY AND SHALL BE DUCTILE IRON OF THE BELL AND SPIGOT OR MECHANICAL JOINT TYPE AND CLASS 250 IN ACCORDANCE WITH AWWA C110, C111 OR C153. FITTINGS SHALL BE POLY-WRAPPED IN ACCORDANCE WITH INDUSTRY STANDARDS.

   1.4 UNLESS OTHERWISE SPECIFIED ON PLANS OR SHOWN IN PROFILES, PVC WATER PIPE SHALL BE INSTALLED TO CLEAR ALL UTILITIES BY A MINIMUM OF 2 FEET. CONTRACTOR SHALL FOLLOW THE REGULATIONS OUTLINES BY TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) FOR WATER CROSSING WITH SANITARY SEWER MAINS.

2. ALL WATER MAINS SHALL HAVE THE FOLLOWING MINIMUM COVER (UNLESS OTHERWISE SPECIFIED)

   2.1 6" AND SMALLER - 42"
   2.2 8" - 48" COVER
   2.3 GREATER THAN 8" - 60"

3. GENERAL WORKER SAFETY AND TRENCH SAFETY SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUBMIT A TRENCH SAFETY DESIGN PLAN SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF TEXAS, FOR REVIEW AND APPROVAL PRIOR TO START FOR ANY UTILITY CONSTRUCTION. THIS PLAN SHALL, AT MINIMUM PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY THAT COMPLIES WITH OSHA STANDARDS FOR TRENCH EXCAVATION.

4. THE CONTRACTOR SHALL KEEP EXCAVATED TRENCHES FREE OF GROUNDWATER DURING CONSTRUCTION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE DEWATERING IN ORDER TO CONTROL GROUNDWATER DURING CONSTRUCTION SUCH THAT IT DOES NOT EFFECT HIS/HER CONSTRUCTION WORK (NO SEPARATE PAY ITEM).

TURF NOTES:

1. ALL DISTURBED EARTH AREAS ARE TO BE FINISH GRADED TO ORIGINAL OR PROPOSED CONTOURS, FERTILIZED AND COVERED WITH SOLID SOD/HYDROMULCH ACCORDING TO THE CONSTRUCTION PLANS AND NCTCOG SPECIFICATIONS IMMEDIATELY AFTER CONSTRUCTION. THE CONTRACTOR SHALL REMOVE A TOTAL OF 5" OF SOIL BELOW FINISH GRADE AT ALL DISTURBED AREAS AND REPLACE WITH 4" OF TOP SOIL AND SOLID SOD. BACKFILL BEHIND NEW CURB AND SIDEWALKS TO BE SELECT MATERIAL FREE OF ROCK AND OTHER DEBRIS. CONTRACTOR SHALL THOROUGHLY WATER SOD AND LANDSCAPED AREAS IMMEDIATELY AFTER PLACEMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTINUED MAINTENANCE AND WATERING OF THE NEWLY SODDED AREAS UNTIL THE ENTIRE PROJECT IS COMPLETED AND ACCEPTED BY THE CITY OF HIGHLAND VILLAGE. WATERING OF THE SOD AREA SHALL BE DONE IN A MANNER AND AREA SHALL BE DONE IN A MANNER AND QUANTITY AS DIRECTED BY CITY OF HIGHLAND VILLAGE INSPECTION PERSONNEL. EXCESS MATERIAL SHALL BE HAULED OFF AT CONTRACTOR'S EXPENSE (NO SEPERATE PAY).

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

CITY OF HIGHLAND VILLAGE

PROJECT GENERAL NOTES

NO.:	DATE:	REVISION:	REVIEWED
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2			
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5			
6			
7			

SCALE:
NO SCALE

DATE:
SEPTEMBER 2026

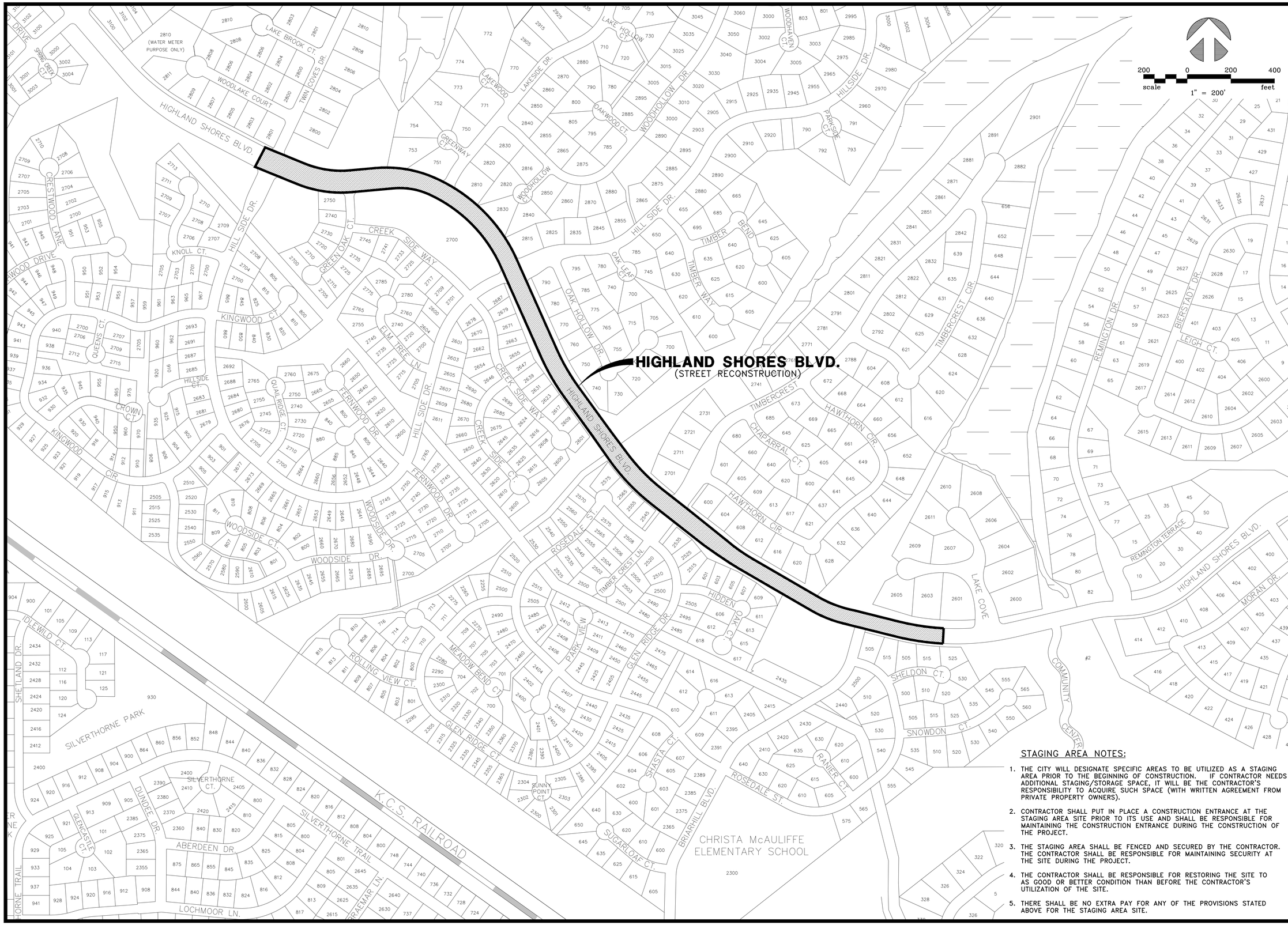
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
3

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132GENNOTES



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9-23-25

CITY OF HIGHLAND VILLAGE

PROJECT LOCATION MAP

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
1" = 200'

DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

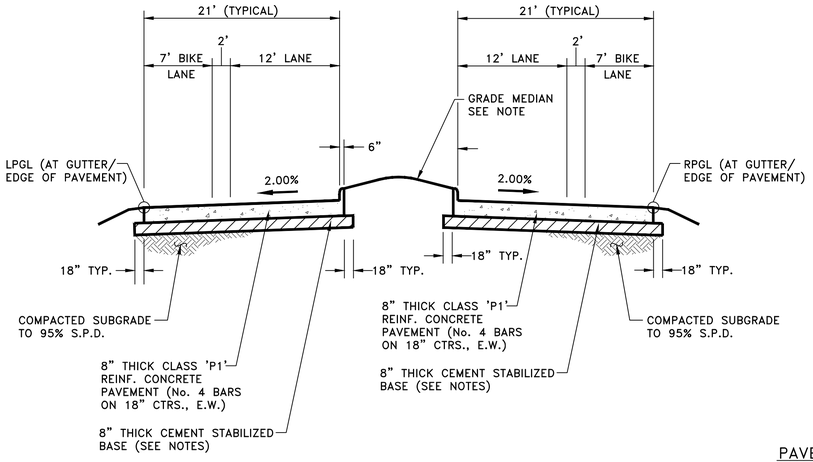
PROJECT NO:
23-2132

SHEET NO:
4

STAGING AREA NOTES:

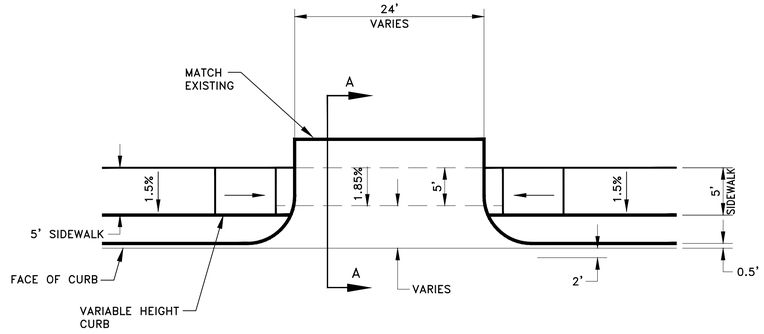
1. THE CITY WILL DESIGNATE SPECIFIC AREAS TO BE UTILIZED AS A STAGING AREA PRIOR TO THE BEGINNING OF CONSTRUCTION. IF CONTRACTOR NEEDS ADDITIONAL STAGING/STORAGE SPACE, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE SUCH SPACE (WITH WRITTEN AGREEMENT FROM PRIVATE PROPERTY OWNERS).
2. CONTRACTOR SHALL PUT IN PLACE A CONSTRUCTION ENTRANCE AT THE STAGING AREA SITE PRIOR TO ITS USE AND SHALL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION ENTRANCE DURING THE CONSTRUCTION OF THE PROJECT.
3. THE STAGING AREA SHALL BE FENCED AND SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SECURITY AT THE SITE DURING THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SITE TO AS GOOD OR BETTER CONDITION THAN BEFORE THE CONTRACTOR'S UTILIZATION OF THE SITE.
5. THERE SHALL BE NO EXTRA PAY FOR ANY OF THE PROVISIONS STATED ABOVE FOR THE STAGING AREA SITE.

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132LOCMAP



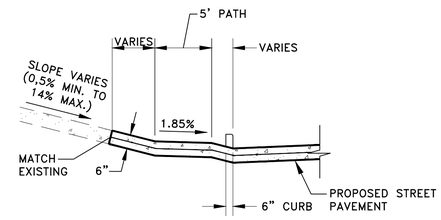
HIGHLAND SHORES BLVD PAVEMENT SECTION

NOT TO SCALE



PLAN VIEW AT DRIVEWAYS

NOT TO SCALE

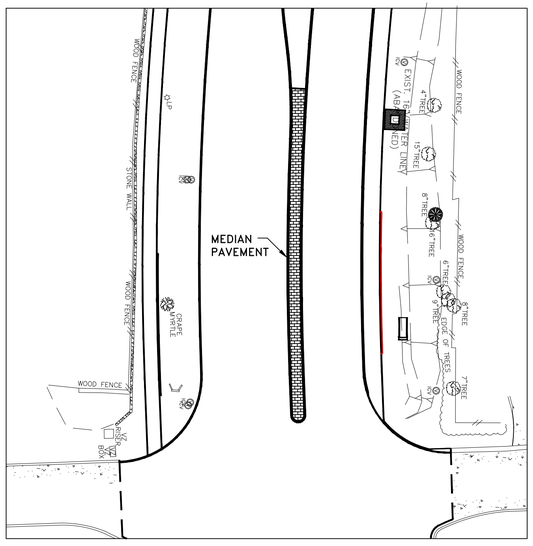


TYPICAL CROSS-SECTION A-A

NOT TO SCALE

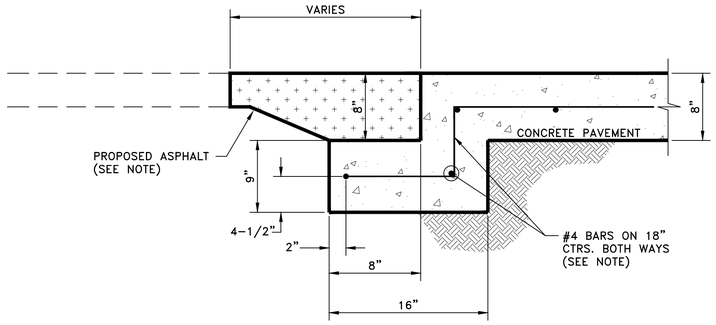
PAVEMENT SECTION NOTES:

1. STREET PAVEMENT SHALL BE 8" THICK CLASS 'P1' (4,000 PSI) WITH No.4 BARS ON 18" CENTERS EACH WAY. BAR LAPS SHALL BE 30 DIAMETER. BAR CHAIRS OR APPROVED SUPPORTING DEVICE SHALL BE FURNISHED.
2. CEMENT STABILIZED BASE SHALL BE 6% CEMENT BY DRY WEIGHT MEASURE. CEMENT BASE SHALL BE 8" THICK AND CONFORMS TO TXDOT ITEM 275. CEMENT SHALL BE PLACED BY SLURRY METHOD.
3. AFTER CEMENT MIXING, THE SOIL/CEMENT MIXTURE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR (ASTM D698) AND TO A MOISTURE CONTENT THAT IS AT OR ABOVE THE OPTIMUM MOISTURE.
4. IN LUE OF 8" CEMENT STABILIZED BASE CONTRACTOR MAY USE 8" THICK AGGREGATE BASE. AGGREGATE BASE SHALL BE TXDOT TYPE A OR TYPE D AND MEET TXDOT ITEM 247 GRADE 1-2. AGGREGATE BASE SHALL BE COMPACTED IN 4" TO 6" COMPACTED LIFTS TO A MINIMUM OF 95% OF THE MAXIMUM STANDARD PROCTOR (ASTM D698).
5. SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR AT -2% TO +4% OPTIMUM MOISTURE. THERE IS NO SEPARATE PAY FOR THIS AND IT CONSIDERED SUBSIDIARY TO CEMENT BASE/AGGREGATE BASE.
6. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT AND SHALL MEET THE SAME COMPRESSIVE STRENGTH AS PAVEMENT. REINFORCEMENT SHALL BE No. 4 BARS.
7. FINAL MEDIAN SHALL BE SMOOTHLY GRADED AND MOUNDED TO A 6"-12" CROWN ABOVE THE TOP OF THE FINAL CURBS, OR AT A MINIMUM OF 2.0% UNLESS NOTED OTHERWISE. MEDIAN SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE, AND INCLUDE 4" OF TOPSOIL AND SOD.



MEDIAN PAVEMENT NOTES:

1. MEDIAN PAVEMENT SHALL BE 4" (3,000 PSI) WITH #3 BARS O.C.E.W.
2. CONCRETE SHALL BE STAMPED WITH A LIMESTONE PATTERN. CONTRACTOR SHALL COORDINATE WITH THE CITY PRIOR TO PLACEMENT. UPON COMPLETION OF THE JOB CONTRACTOR SHALL FURNISH THE CITY WITH THE STAMP.
3. CONCRETE SHALL BE COLORED TAN. CONTRACTOR SHALL COORDINATE WITH THE CITY PRIOR TO PLACEMENT.
4. CONTRACTOR SHALL GRADE MEDIAN PAVEMENT TO DRAIN AND ENSURE WATER DOES NOT POND.



STREET HEADER FOR ASPHALT PAVEMENT

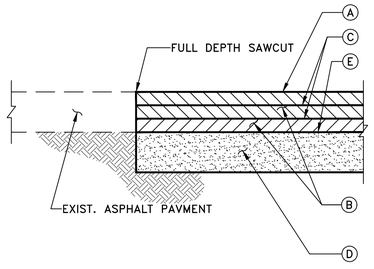
NOT TO SCALE

ASPHALT HEADER NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING ASPHALT AS REQUIRED TO CONSTRUCT THE ASPHALT HEADER. THERE IS NO SEPARATE PAY FOR 8" ASPHALT AND IT IS CONSIDERED SUBSIDIARY TO ASPHALT HEADER.
2. 8" REPLACEMENT ASPHALT SHALL:
   - 2" TYPE 'D' HMAC SURFACE COURSE
   - TACK COAT (@ 0.05 GAL/S.Y.)
   - 3" TYPE 'B' HMAC SURFACE COURSE
   - TACK COAT (@ 0.05 GAL/S.Y.)
   - 3" TYPE 'B' HMAC SURFACE COURSE
   - PRIME COAT (@ 0.30 GAL/S.Y.)
   - COMPACTED SUBGRADE TO 95% S.P.D.
3. CONTRACTOR SHALL GRADE REPLACEMENT ASPHALT TO ENSURE WATER DOES NOT POND.

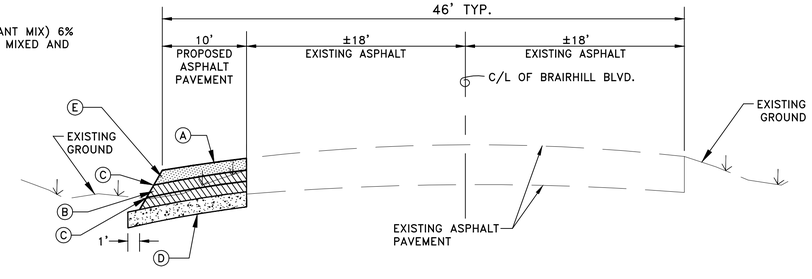
TYPICAL SECTIONS LEGEND:

- (A) 2" TYPE 'D' HMAC SURFACE COURSE (OVERLAY)
- (B) 4" TYPE 'B' HMAC BINDER COURSE (2-2" COURSES)
- (C) TACK COAT (@ 0.05 GAL/S.Y.)
- (D) 6" THICK CEMENT TREATED BASE (PLANT MIX) 6% CEMENT (36 LBS./S.Y.), THOROUGHLY MIXED AND COMPACTED TO 95% S.P.D.
- (E) PRIME COAT (@ 0.30 GAL/S.Y.)



BRAIRHILL ASPHALT SECTION (ADD ALT. 1)

NOT TO SCALE



BRAIRHILL BLVD. TYPICAL SECTION (ADD ALT. 1)

NOT TO SCALE

BRAIRHILL BLVD. TYPICAL SECTION NOTES:

1. EXISTING ASPHALT SURFACES TO BE CLEAN AND FREE OF LOOSE DEBRIS AND DIRT PRIOR TO BEING OVERLAID WITH NEW ASPHALT.
2. CEMENT STABILIZED BASE SHALL BE 6% CEMENT BY DRY WEIGHT MEASURE. CEMENT BASE SHALL BE 6" THICK AND CONFORMS TO TXDOT ITEM 275. CEMENT SHALL BE PLACED BY SLURRY METHOD.
3. AFTER CEMENT MIXING, THE SOIL/CEMENT MIXTURE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR (ASTM D698) AND TO A MOISTURE CONTENT THAT IS AT OR ABOVE THE OPTIMUM MOISTURE.
5. SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR AT -2% TO +4% OPTIMUM MOISTURE. THERE IS NO SEPARATE PAY FOR THIS AND IT CONSIDERED SUBSIDIARY TO CEMENT BASE/AGGREGATE BASE.

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STATE OF TEXAS
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9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
CONSTRUCTION DETAILS - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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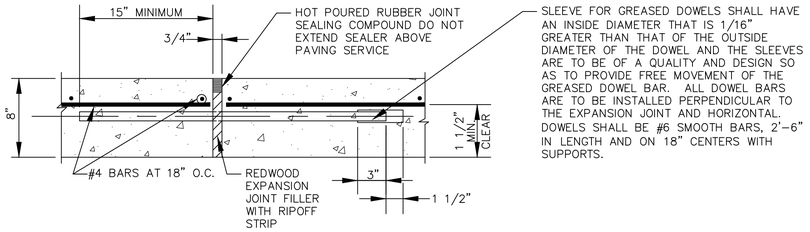
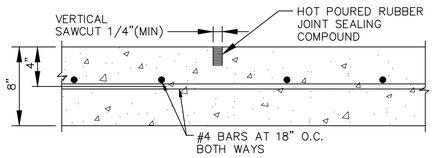
SCALE: NOT TO SCALE
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 5

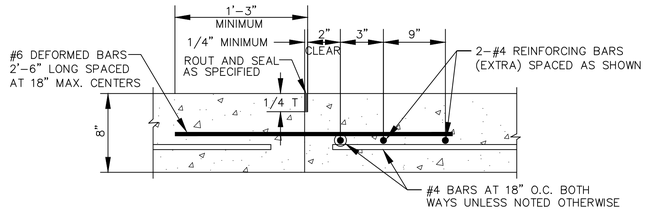
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS01



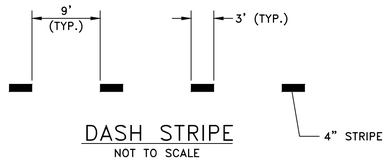
EXPANSION JOINT
NOT TO SCALE



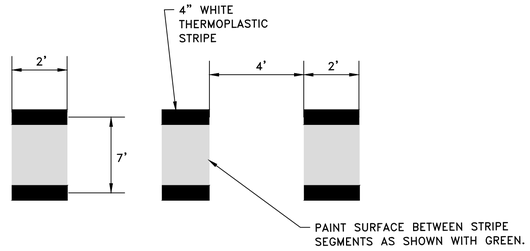
SAWED DUMMY JOINT
NOT TO SCALE



BUTT JOINT
NOT TO SCALE

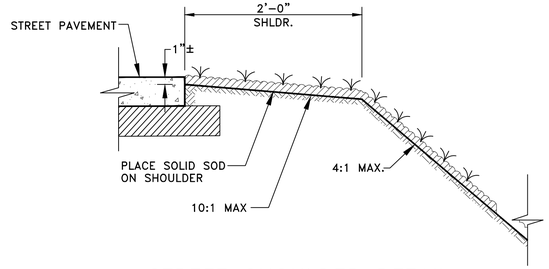


DASH STRIPE
NOT TO SCALE



BROKEN BIKE LANE DETAIL
NOT TO SCALE

NOTES:
1. PORTIONS OF BIKE LANE AS INDICATED IN PLAN ARE TO BE PAINTED WITH A SOLID GREEN PAINT. CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL.



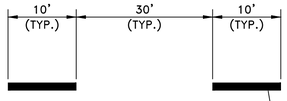
STREET SHOULDER DETAIL
NOT TO SCALE

JOINT NOTES:
1. SAWED TRANSVERSE DUMMY JOINTS SHALL BE SPACED 12'-0".
2. EXPANSION JOINT SPACING SHALL NOT EXCEED 200'.
3. ALL JOINTS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.

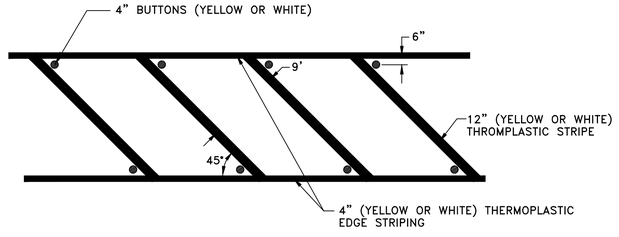


RADAR SIGN
NOT TO SCALE

RADAR SIGN NOTES:
1. CONTRACTOR SHALL INSTALL 2 RADAR DECTION SIGNS. CONTRACTOR SHALL COORDINATE WITH THE CITY ON LOCATION OF PROPOSED SIGNS.
2. RADAR SIGNS SHALL BE TRAFFIC LOGIX SAFEPACE EVOLUTION 18FM YELLOW IN COLOR WITH 50 WATT SOLAR PANEL. (OR APPROVED EQUAL)
3. RADAR SIGNS SHALL BE PLACED ON 2.875 DIA. SCHEDULE 80 STEEL PIPE GALVANIZED STEEL POST PER ASTM A123 OR ASTM A653 G210. RADAR SIGNS SHALL BE INSTALLED PER MANUFACTURES RECOMMENDATIONS.
4. FOUNDATION SHALL BE A 12" DIAMETER HOLE 42" DEEP, WITH THE STEEL POST ENCASED IN CLASS 'A' (3,000 PSI) CONCRETE.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR CITY APPROVAL PRIOR TO INSTALLATION.
6. ALL PARTS OF THE RADAR SIGN SHALL BE INCLUDED IN THE UNIT COST FOR RADAR SIGN INCLUDING (BUT NOT LIMITED TO RADAR SIGN, POST, FOUNDATION, SOLAR PANEL, MOUNTING BRACKETS, ETC.



LANE LINE STRIPE
NOT TO SCALE



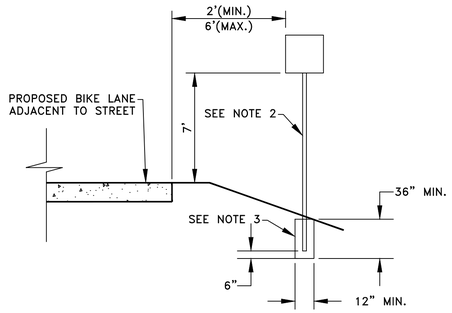
DIAGONAL STRIPING DETAIL
NOT TO SCALE

NOTES:
1. 4" BUTTONS SHALL BE 4" NON-REFLECTIVE CERAMIC MARKER. WHITE BUTTONS SHALL BE TRANTEX 10210-200 OR APPROVED EQUAL. YELLOW BUTTONS SHALL BE TRANTEX 10211-200 OR APPROVED EQUAL.
2. 4" BUTTONS SHALL BE SUBSIDIARY TO 12" YELLOW THERMOPLASTIC STRIPE (NO SEPARATE PAY).



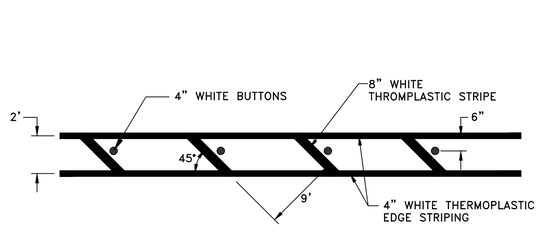
DECORATIVE SIGN POST
NOT TO SCALE

DECORATIVE SIGN POST NOTES:
1. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST.
2. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS.
3. DECORATIVE STREET SIGN POST SHALL BE CAPITAL STREET SCAPES (OR APPROVED EQUAL) AND CONSIST OF:
   - FL3X14 – 3" x 14' FLUTED POLE
   - ACORN3 – ACORN FINIAL FOR 3" POLE
   - BASE31 – SLIPOVER BASE FOR 3" POLE
   - FR300CT – FRAME FOR 30" STOP SIGN
   - FR3030 – FRAME FOR 30" x 30" SIGN
   - FR1824 – FRAME FOR 24" x 18" SIGN
   - FR6X36 – FRAME FOR 6" x 36" STREET SIGN
4. CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR CITY APPROVAL PRIOR TO INSTALLATION.
5. ALL PARTS OF THE DECORATIVE SIGN POST SHALL BE INCLUDED IN THE UNIT COST FOR DECORATIVE SIGN POST INCLUDING (BUT NOT LIMITED TO) BASE, SIGN FRAME, FINIAL, FLUTED POLE, MOUNTING BRACKETS, ETC.



SIGN PLACEMENT ALONG BIKE LANE
NOT TO SCALE

SIGN PLACEMENT NOTES:
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TEXAS M.U.T.C.D. UNLESS OTHERWISE NOTED.
2. SIGN POSTS SHALL BE 2.875" DIA. SCHEDULE 80 STEEL PIPE GALVANIZED STEEL POST PER ASTM A123 OR ASTM A653 G210.
3. FOUNDATION SHALL BE A 12" DIAMETER HOLE 36" DEEP, WITH THE STEEL POST ENCASED IN CLASS 'A' (3,000 PSI) CONCRETE.
4. TRAFFIC SIGN POST AND FOUNDATION SHALL CONFORM TO TXDOT SMD(SLIP-1)-08 AND TXDOT SMD(SLIP-2)-08.
5. ALL PARTS OF THE SIGN ASSEMBLY INCLUDING SIGN, POST, FOUNDATION, U-BOLTS BRACKETS, FRICTION CAPS, ETC. SHALL BE CONSIDERED SUBSIDIARY TO THE ITEM.



BIKE LANE STRIPING DETAIL
NOT TO SCALE

NOTES:
1. 4" WHITE BUTTONS SHALL BE 4" WHITE NON-REFLECTIVE CERAMIC MARKER. TRANTEX 10210-200 OR APPROVED EQUAL.
2. BIKE LANE STRIPING SHALL BE PAID BY LINEAR FOOT WITH NO SEPARATE PAY FOR BUTTONS, EDGE STRIPING OR DIAGONAL STRIPING.

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JONATHAN D. WATKINS
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HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
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CONSTRUCTION DETAILS - SHEET 2
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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SCALE: NOT TO SCALE
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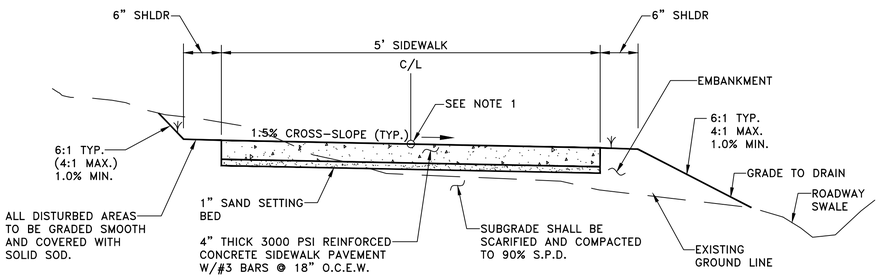
SHEET NO: 6

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS01

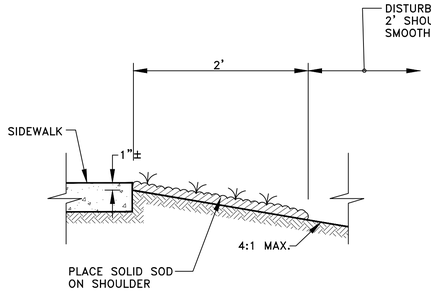


SIDEWALK – TYPICAL SECTION

NOT TO SCALE

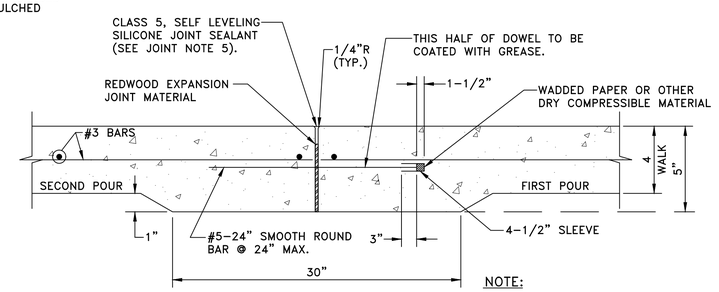
SIDEWALK NOTES:

1. THE CENTERLINE OF THE SIDEWALK AS SHOWN IN THE TYPICAL SECTIONS ABOVE SHALL BE UTILIZED AS THE PROFILE GRADE LINE OF THE SIDEWALK.
2. THE CROSS-SLOPE OF THE SIDEWALK SHALL BE TYPICAL 1.5% AND SHALL BE AS SHOWN ON THE PLANS.
3. LEVEL OF SOD SHALL MATCH TOP OF TRAIL. SOD SHALL NOT BE HIGHER THAN TRAIL, RESULTING IN TRAPPED WATER.
4. COST FOR SAND SETTING BED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN OTHER BID ITEMS.
5. ALL EMBANKMENT MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE IN MAXIMUM 8" LOOSE LIFTS. NO ORGANIC MATERIAL SHALL REMAIN UNDER PAVEMENT.
6. FINAL CONCRETE PAVEMENT SURFACE SHALL HAVE A LIGHT BROOM FINISH.



SIDEWALK DETAIL AT SHOULDER

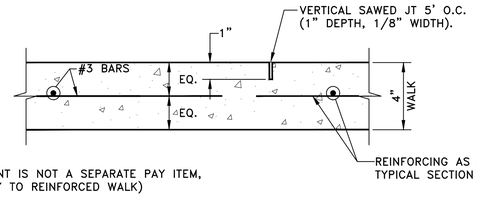
NOT TO SCALE



NOTE:
EXPANSION JOINTS AND DUMMY JOINTS ARE NOT A SEPARATE PAY ITEMS. (SUBSIDIARY TO REINFORCED CONCRETE WALK)

SIDEWALK EXPANSION JOINT

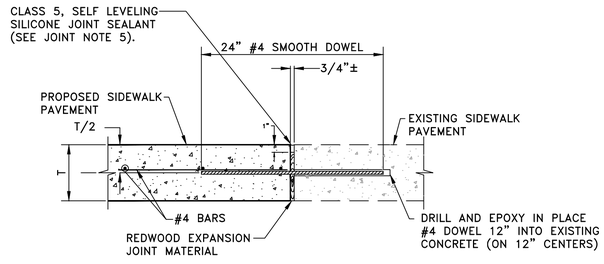
NOT TO SCALE



NOTE:
DUMMY JOINT IS NOT A SEPARATE PAY ITEM, (SUBSIDIARY TO REINFORCED WALK)

SIDEWALK SAWED DUMMY JOINT

NOT TO SCALE

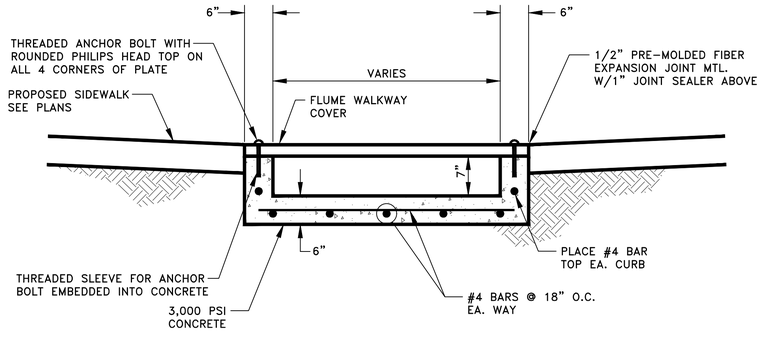


SIDEWALK BUTT JOINT

NOT TO SCALE

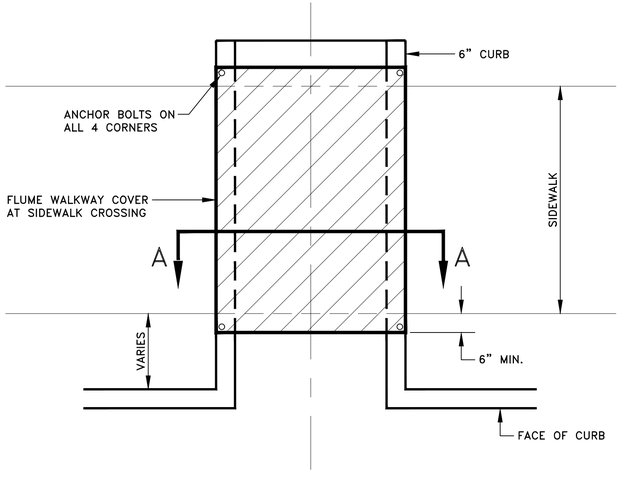
JOINT NOTES:

1. EXPANSION JOINTS SHALL BE INSTALLED AS REQUIRED.
2. EXPANSION JOINTS SHALL BE SPACED MAX. 40' AND AT THE TERMINATION OF EACH WORKING DAY.
3. SAWED DUMMY JOINTS WILL BE BUILT THROUGHOUT THE PROJECT AT 5' CENTERS (TYPICAL).
4. ALTERNATE METHODS TO SAWING MAY BE USED FOR FORMING DUMMY JOINTS SUBJECT TO APPROVAL OF THE ENGINEER. WORKMANSHIP SHALL BE COMPARABLE TO A SAWED JOINT.
5. JOINT SEALANT SHALL BE DOW-CORNING 890-SL OR APPROVED EQUAL MEETING TxDOT CLASS 5 SILICONE SEALANT REQUIREMENTS (DMS-6310), GREY IN COLOR.



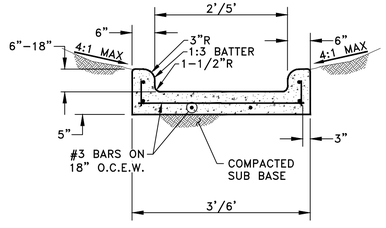
FLUME – SECTION A-A

NOT TO SCALE



FLUME – PLAN VIEW

NOT TO SCALE



2'/5' FLUME TYPICAL SECTION

NOT TO SCALE

FLUME NOTES:

1. FLUME CONCRETE SHALL BE CLASS "A" (3,000 PSI) WITH #3 BARS AT 18" O.C.E.W.
2. SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
3. FLUME SHALL HAVE A MINIMUM CURB HEIGHT OF 6". ADDITIONAL CURB HEIGHT SHALL BE INSTALLED IF THE GRADE EXCEEDS A 4H:1V SLOPE. CURB HEIGHT SHALL BE APPROVED BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION OF THE CURB (NO SEPARATE PAY FOR ADDITIONAL CURB HEIGHT).
4. VARIABLE HEIGHT CURBS SHALL BE INCLUDED IN THE UNIT PRICE FOR FLUME (NO SEPARATE PAY)
5. SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
6. ALL DISTURBED AREAS SHALL BE SODDED WITH THE SAME TYPE OF SOD FOUND AT THE LOCATION.
7. TOPSOIL WILL BE GOOD QUALITY MATERIAL FREE OF TRASH, DEBRIS, ROCKS, ETC.
8. FLUME WALKWAY COVER SHALL BE 1/4" GALVANIZED STEEL OR 1/2" ALUMINUM WITH AN ANTI SKID SURFACE.

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
CONSTRUCTION DETAILS - SHEET 3

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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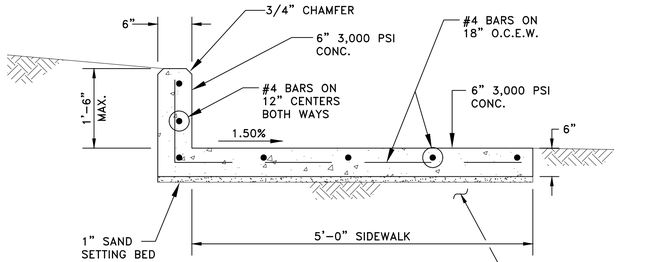
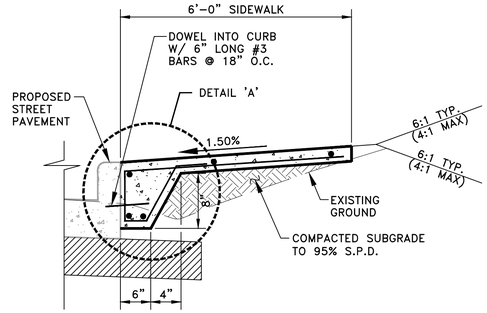
SCALE: NOT TO SCALE
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 7

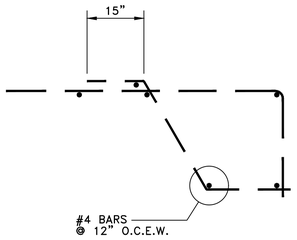
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS02



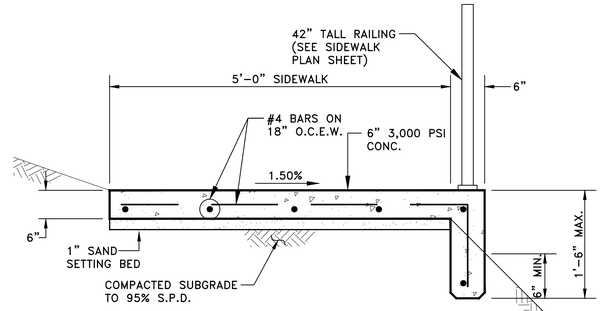
SIDEWALK CURB
NOT TO SCALE



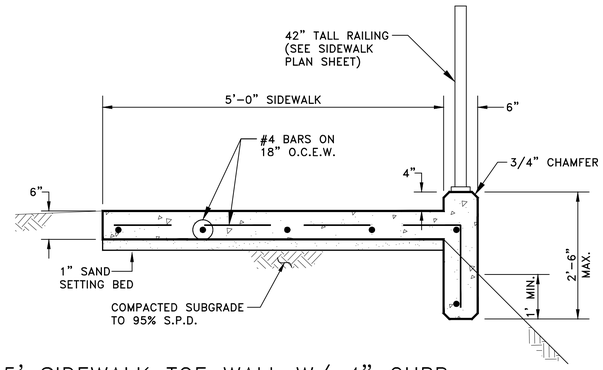
ON CURB SIDEWALK TYPICAL SECTION
NOT TO SCALE



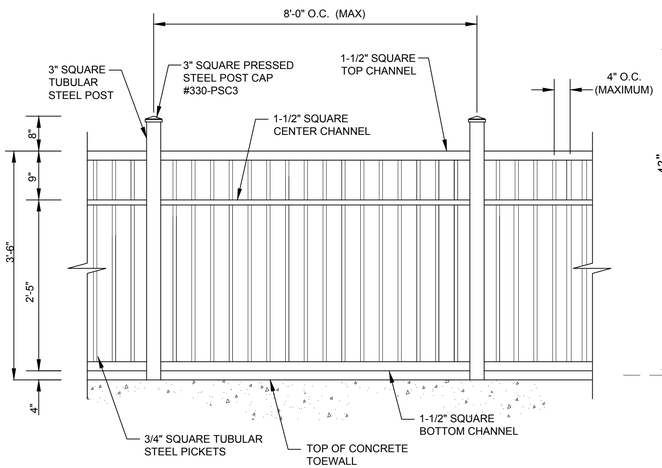
DETAIL 'A'
NOT TO SCALE



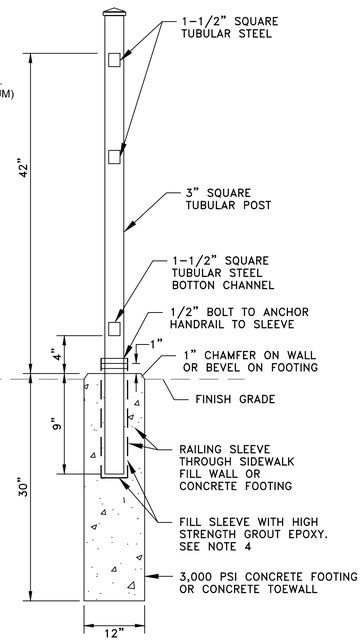
5' SIDEWALK TOE WALL
NOT TO SCALE



5' SIDEWALK TOE WALL W/ 4" CURB
NOT TO SCALE



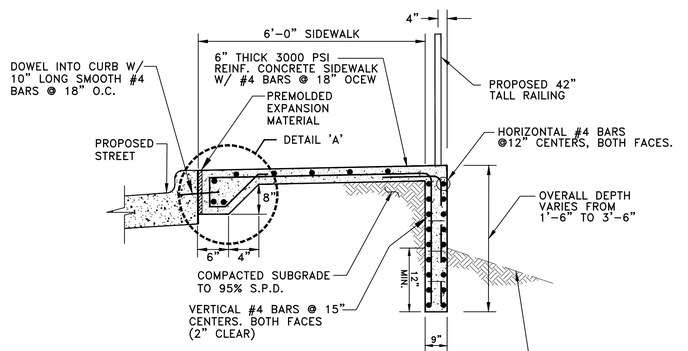
42" RAILING
NOT TO SCALE



42" RAILING FOOTING
NOT TO SCALE

42" RAILING NOTES:

1. ALL RAILING WELDS MUST BE FULL AND COMPLETE, GROUND SMOOTH.
2. RAILING TO BE POWDER COATED DARK GREEN, SUBMIT SHOP DRAWING FOR OWNER AND ENGINEER APPROVAL.
3. ALL VERTICAL RAILING ELEMENTS SHALL BE PLUMB.
4. ALL EPOXY SHALL BE IN ACCORDANCE WITH TXDOT SPECIFICATION D-9-6100.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PROPOSED RAILING FOR OWNER AND ENGINEER APPROVAL.
6. CONCRETE FOOTINGS SHALL BE INCLUDED IN THE UNIT PRICE FOR 42" PEDESTRIAN RAILING.



6' SIDEWALK FILL WALL
NOT TO SCALE

SPI
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
CONSTRUCTION DETAILS - SHEET 4
CITY OF HIGHLAND VILLAGE

NO.	DATE:	REVISION:	REVIEWED:
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SCALE:
NOT TO SCALE

DATE:
SEPTEMBER 2026

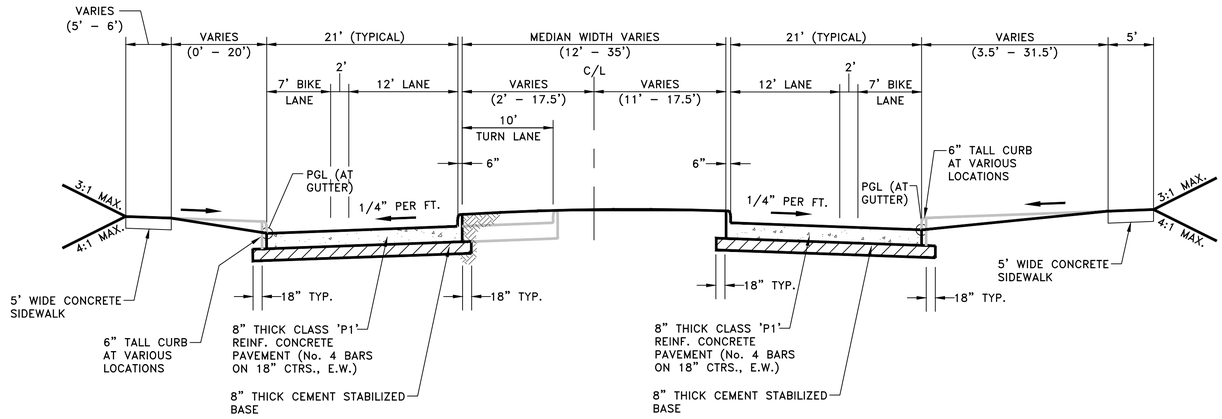
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
8

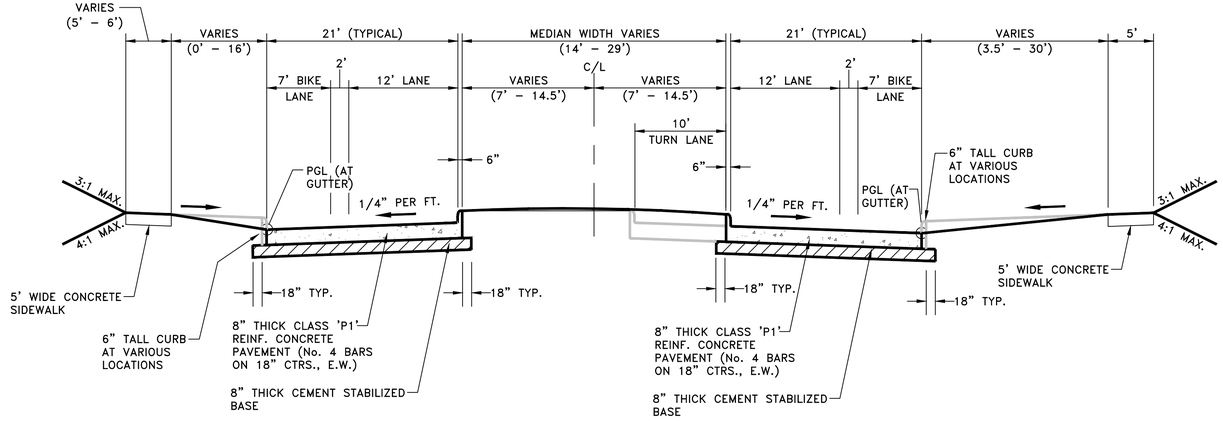
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS02



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 3+77 TO STA. 9+80
STA. 12+25 TO STA. 15+75
STA. 17+75 TO STA. 21+00
STA. 30+75 TO STA. 35+50
STA. 41+00 TP STA. 43+25

NOT TO SCALE



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 9+80 TO STA. 12+25
STA. 15+75 TO STA. 17+00
STA. 28+00 TP STA. 30+25

NOT TO SCALE

NOTES:

1. BASIS FOR THE STATIONING IS HIGHLAND SHORES BLVD. CENTER LINE.
2. SEE DETAIL SHEET FOR PAVEMENT SECTIONS.
3. SEE PAVING PLAN FOR LOCATIONS OF 6" TALL CURBS.
4. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.

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HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TYPICAL SECTIONS - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: NOT TO SCALE

DATE: SEPTEMBER 2026

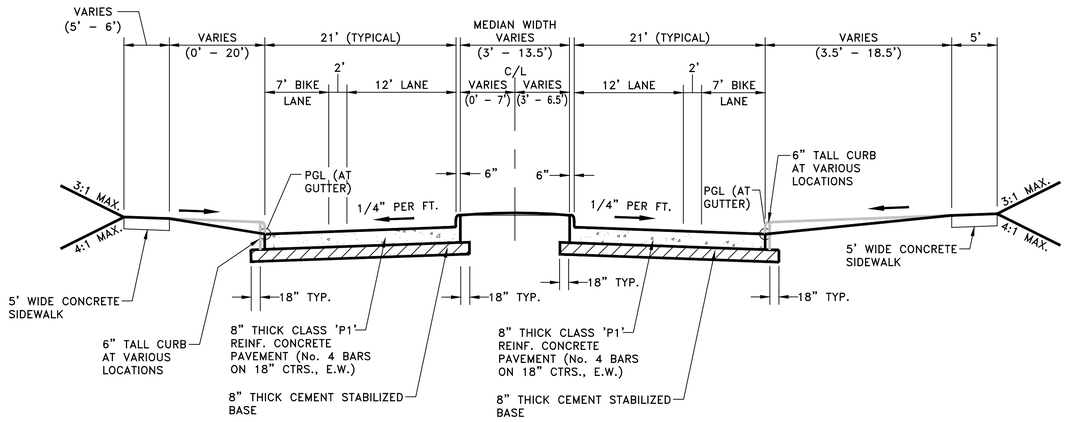
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 9

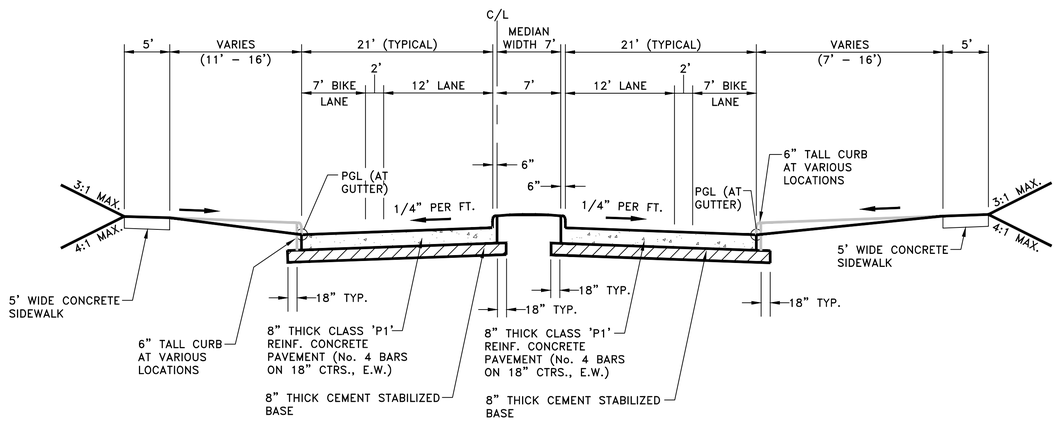
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS03



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 21+25 TO STA. 28+00

NOT TO SCALE



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 34+00 TO STA. 37+00

NOT TO SCALE

NOTES:

1. BASIS FOR THE STATIONING IS HIGHLAND SHORES BLVD. CENTER LINE.
2. SEE DETAIL SHEET FOR PAVEMENT SECTIONS.
3. SEE PAVING PLAN FOR LOCATIONS OF 6" TALL CURBS.
4. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.

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CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

TYPICAL SECTIONS - SHEET 2

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SCALE:
NOT TO SCALE

DATE:
SEPTEMBER 2026

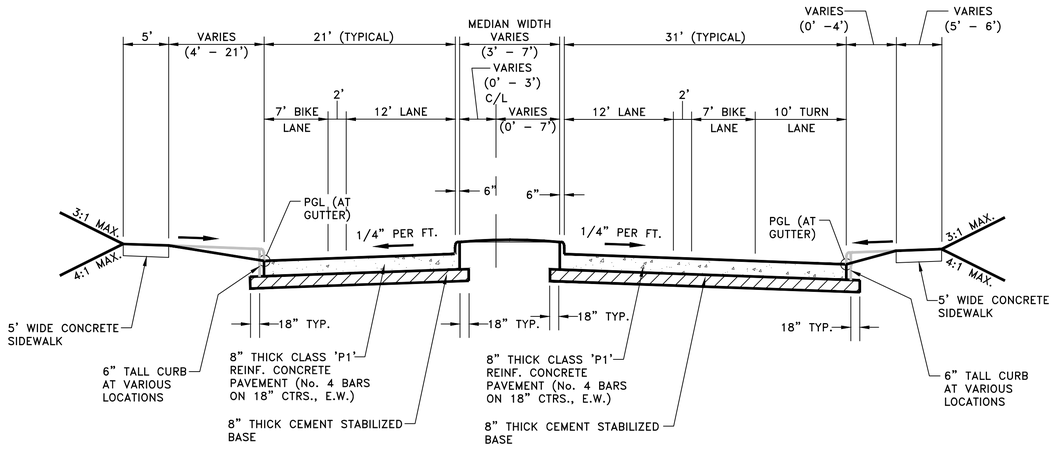
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
10

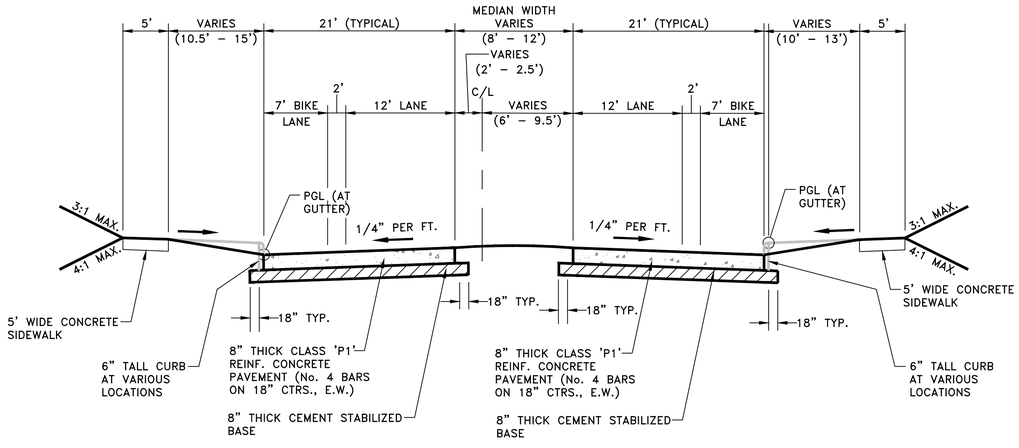
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS04



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 37+00 TO STA. 40+25

NOT TO SCALE



TYPICAL SECTION – HIGHLAND SHORES BLVD

STA. 43+25 TO STA. 44+50

NOT TO SCALE

NOTES:

1. BASIS FOR THE STATIONING IS HIGHLAND SHORES BLVD. CENTER LINE.
2. SEE DETAIL SHEET FOR PAVEMENT SECTIONS.
3. SEE PAVING PLAN FOR LOCATIONS OF 6" TALL CURBS.
4. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.

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9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

TYPICAL SECTIONS - SHEET 3

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
NOT TO SCALE

DATE:
SEPTEMBER 2026

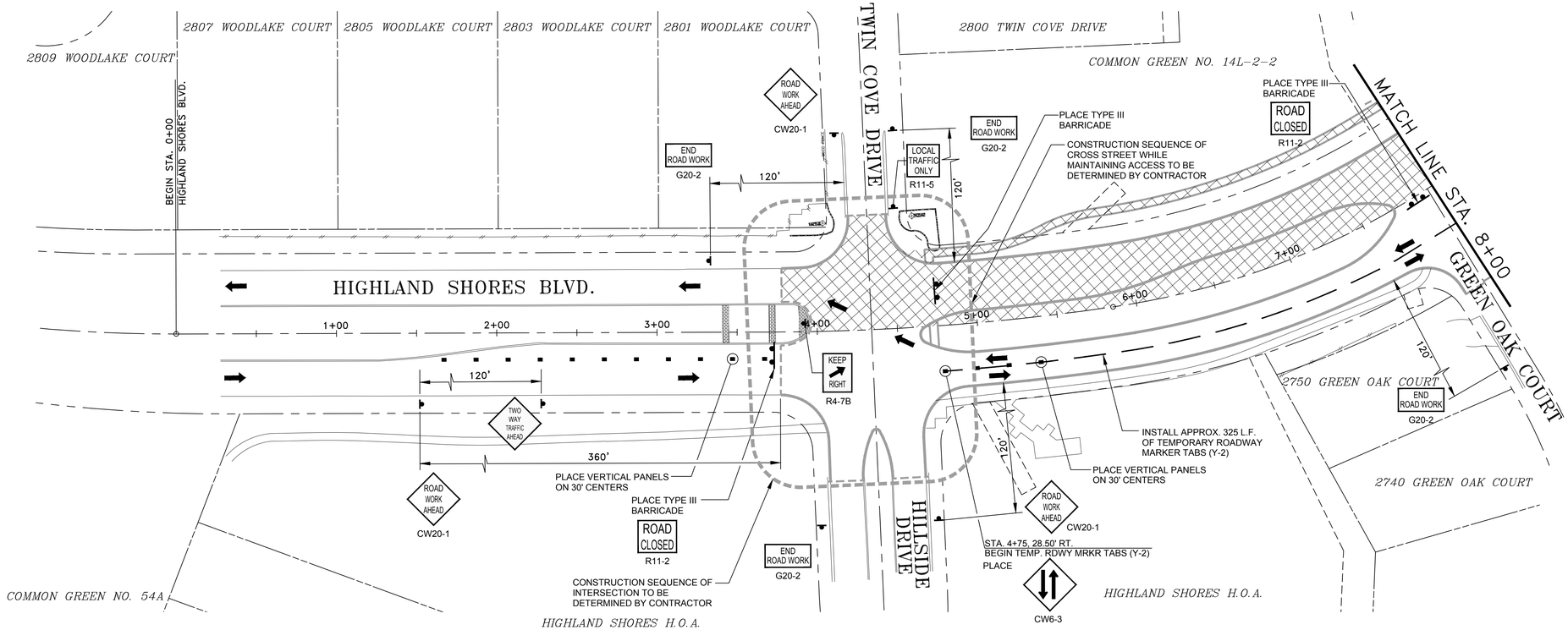
DRAWN BY:
SPI

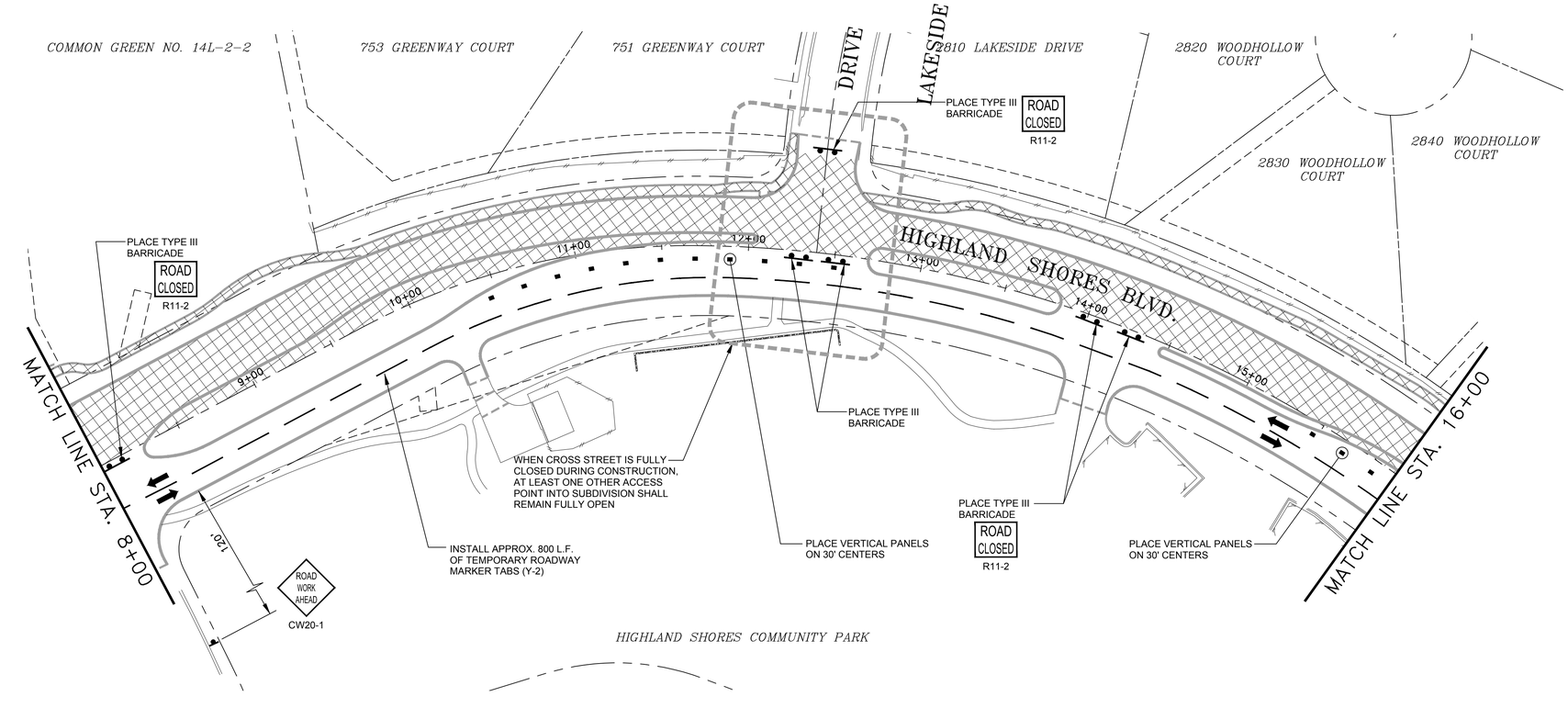
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
11

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DETAILS05





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
3. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE CITY 10 DAYS PRIOR TO INITIATING CONSTRUCTION OF THAT PHASE.
4. CONSTRUCTION SEQUENCING SHOWN ON THESE PLANS ARE A SUGGESTED APPROACH ONLY AND MAY BE MODIFIED BY THE CONTRACTOR IF APPROVED BY THE CITY.

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STATE OF TEXAS
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REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN PHASE 1 - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

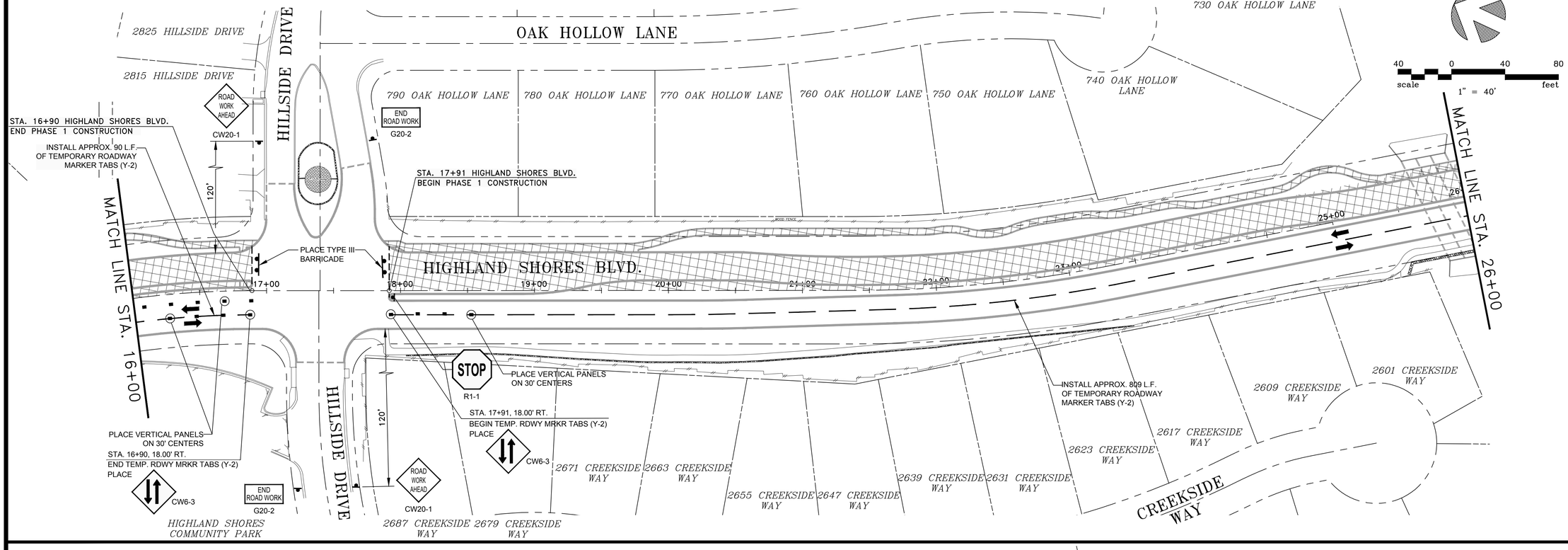
DRAWN BY: SPI

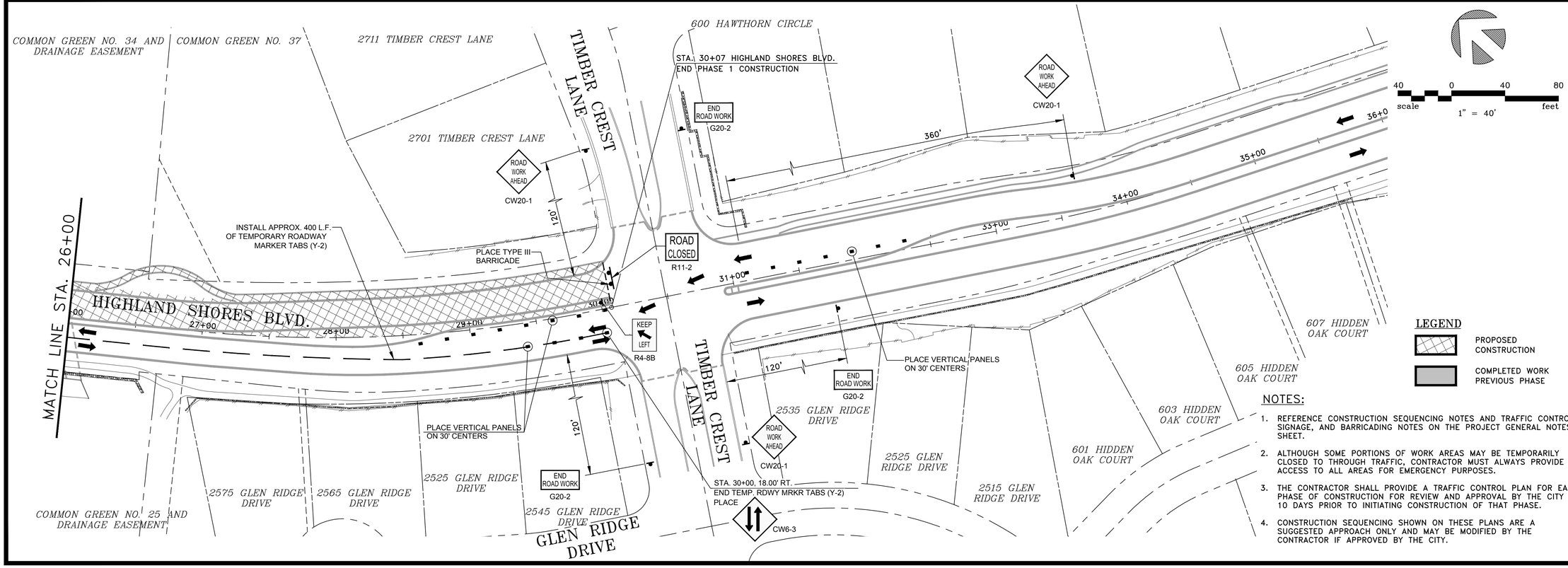
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 12

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
3. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE CITY 10 DAYS PRIOR TO INITIATING CONSTRUCTION OF THAT PHASE.
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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN PHASE 1 - SHEET 2
CITY OF HIGHLAND VILLAGE

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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

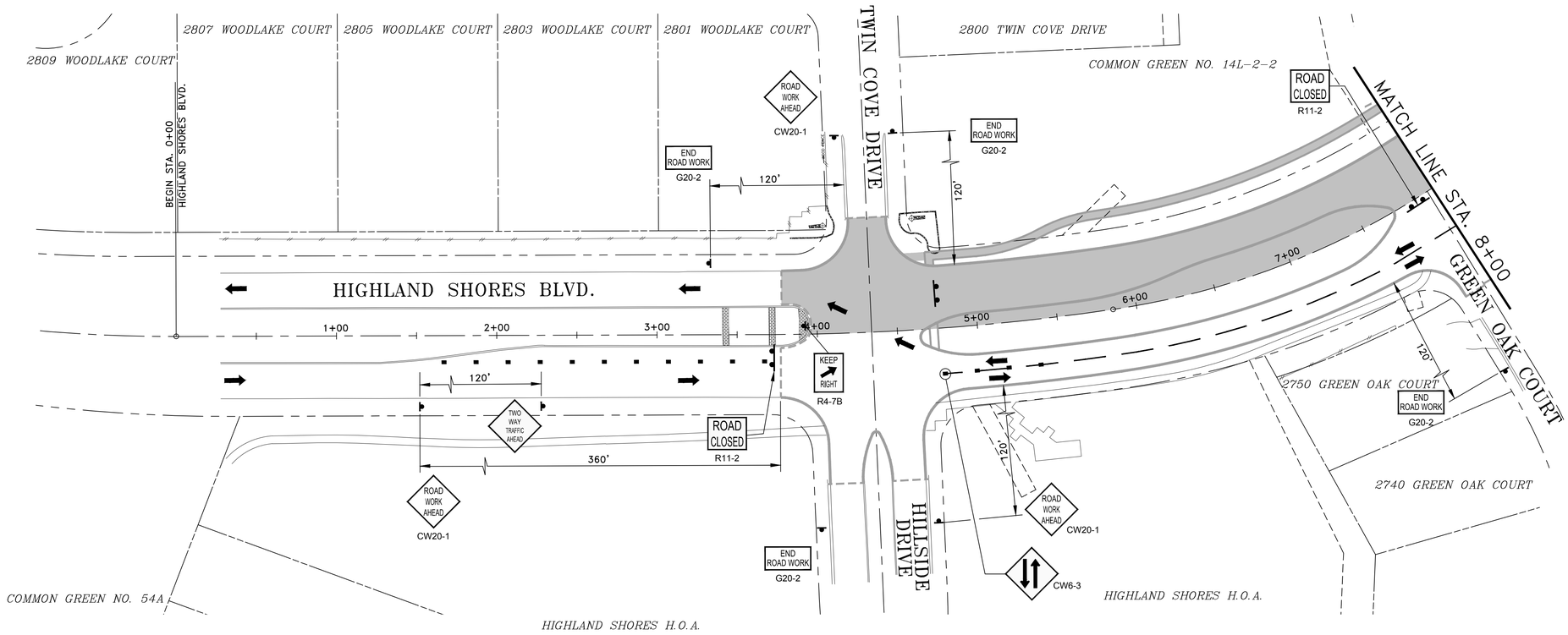
DRAWN BY: SPI

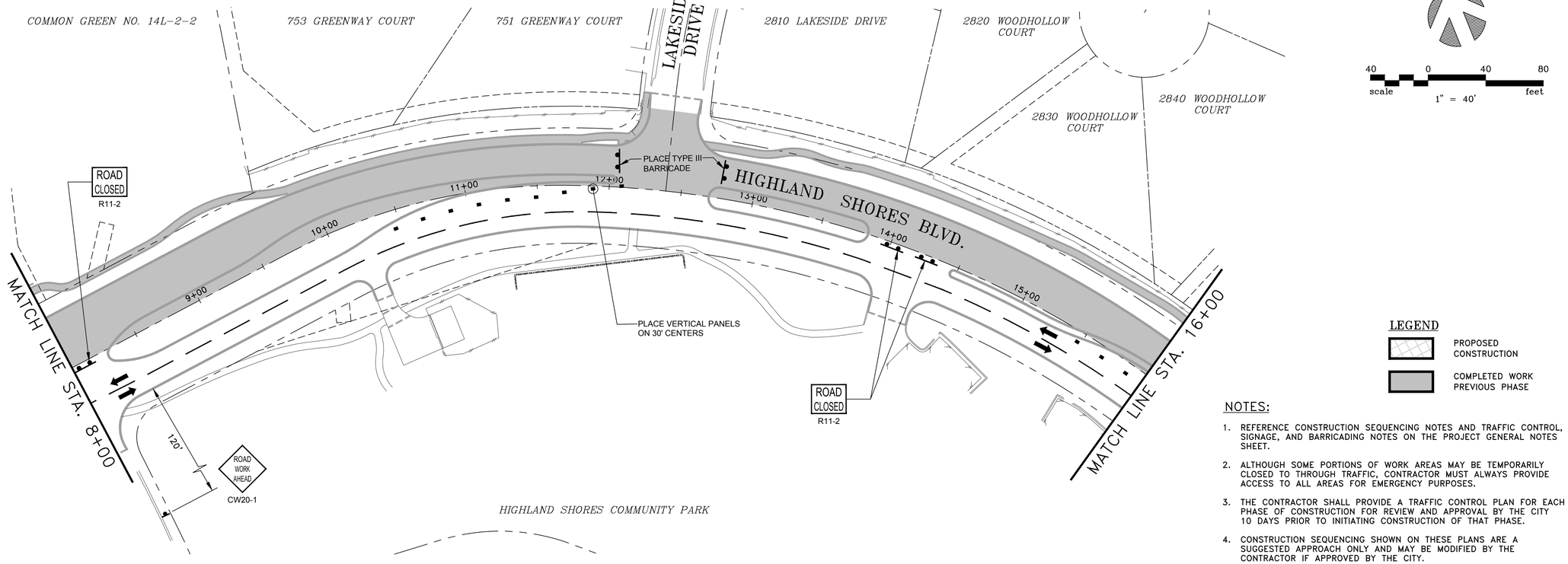
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 13

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
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SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 1A - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

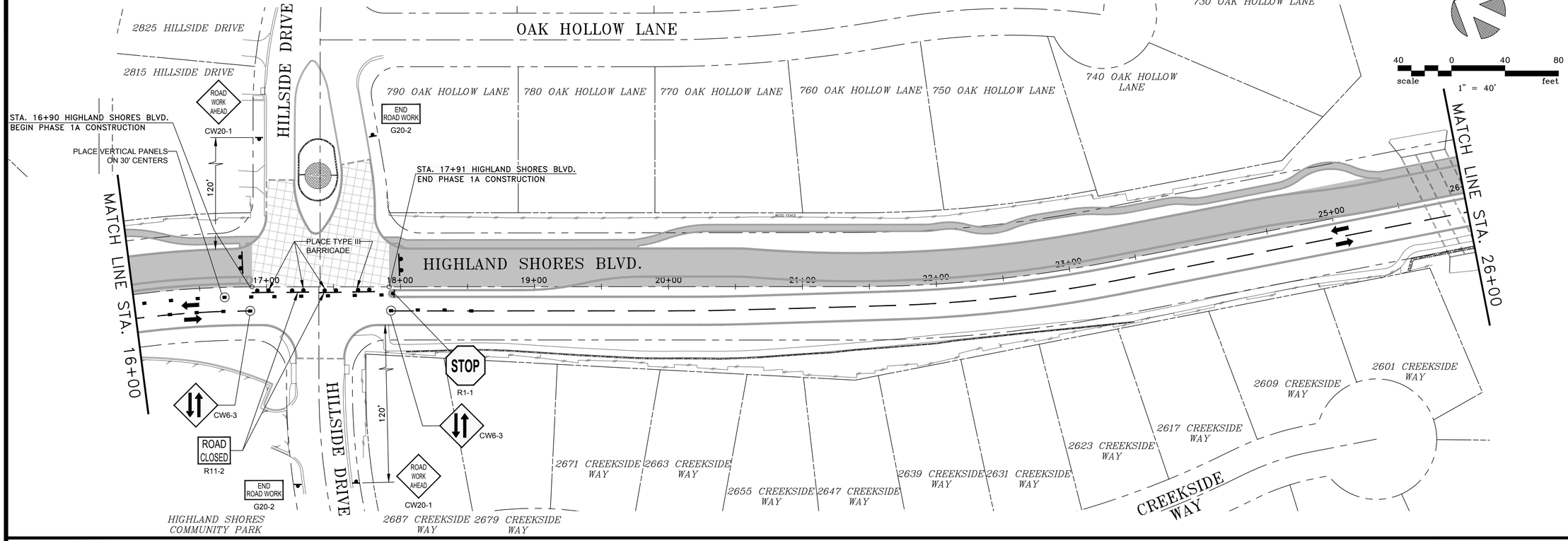
DRAWN BY: SPI

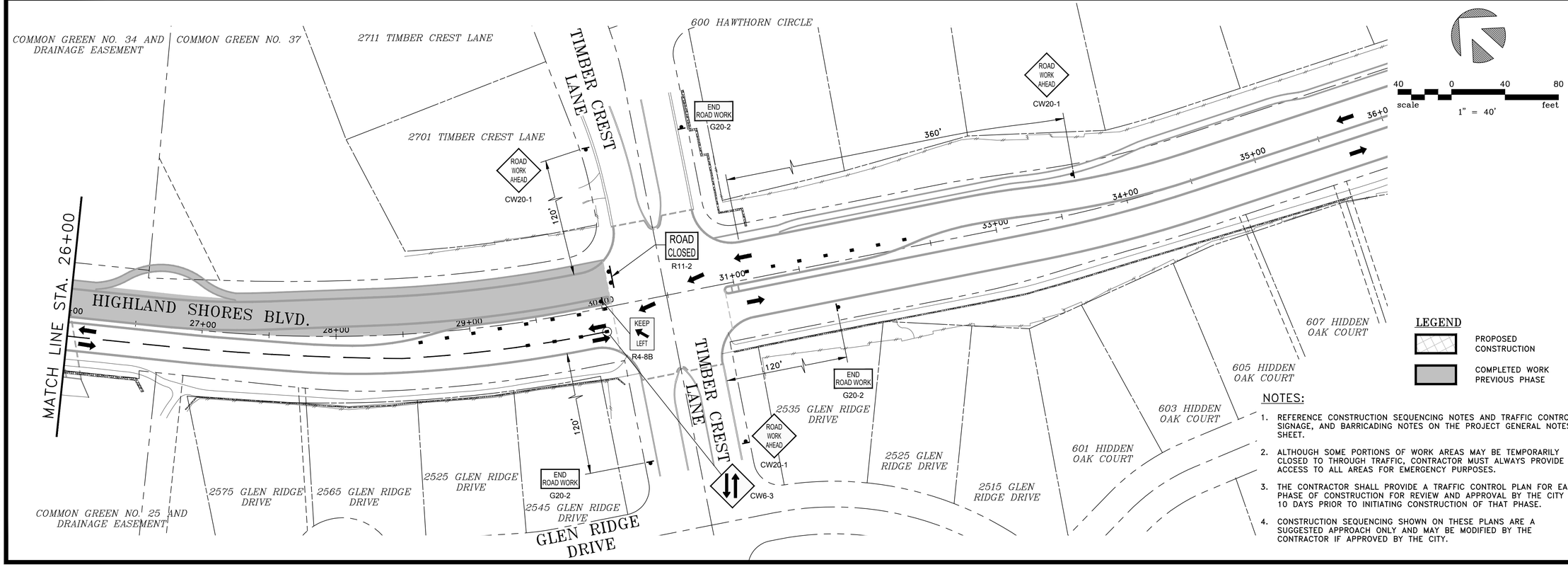
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 14

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT (FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

TRAFFIC CONTROL PLAN PHASE 1A - SHEET 2

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

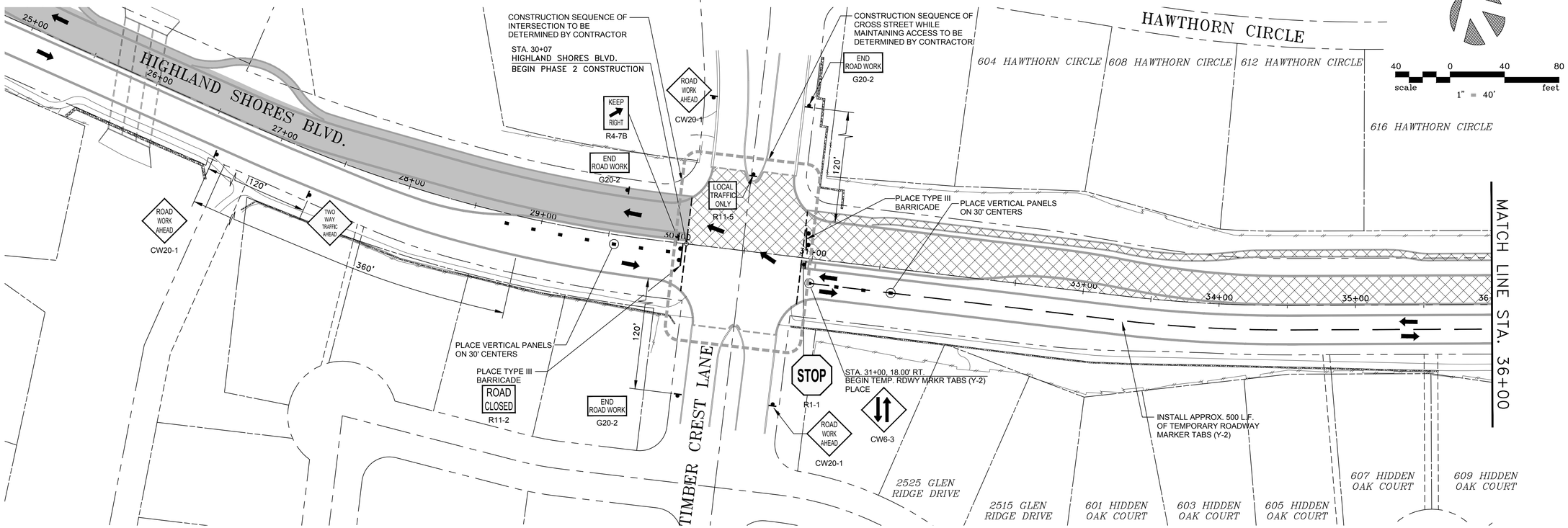
DRAWN BY: SPI

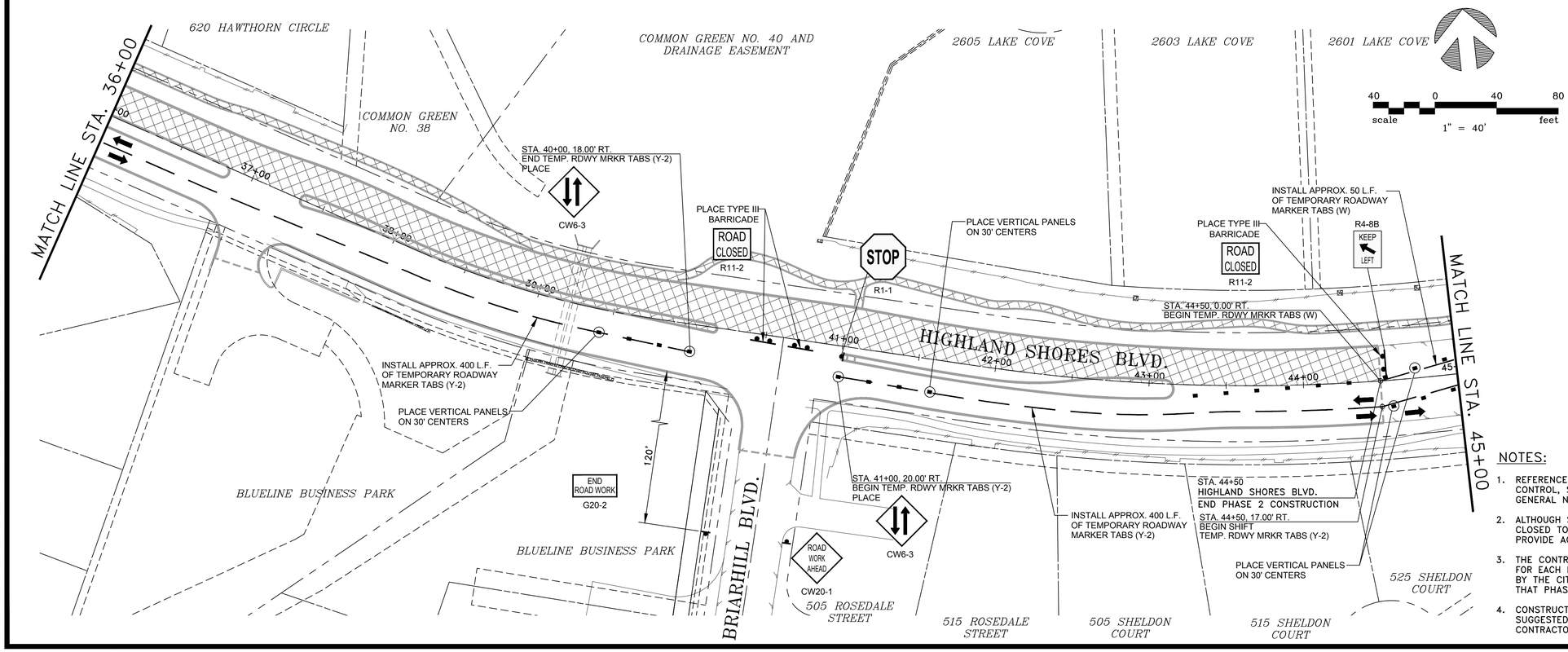
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 15

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





LEGEND

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- COMPLETED WORK PREVIOUS PHASE

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HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 2 - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

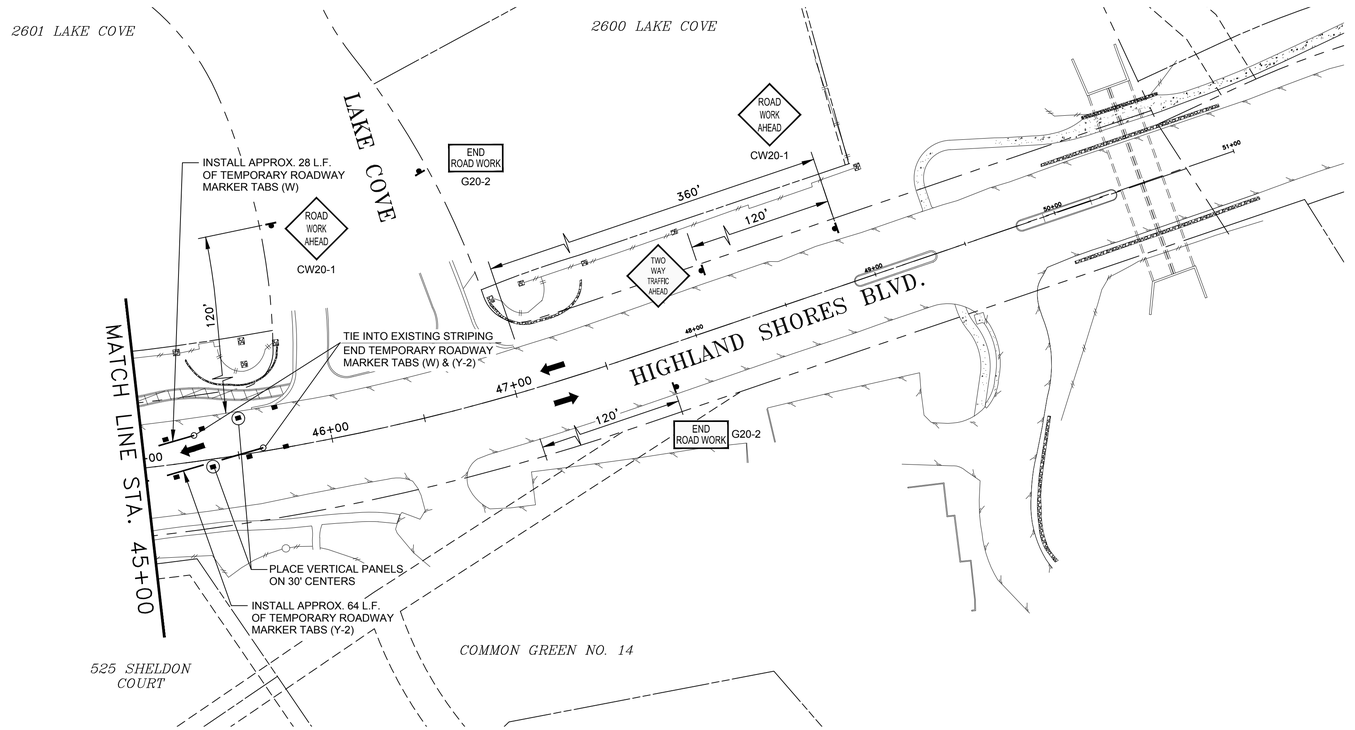
DRAWN BY: SPI

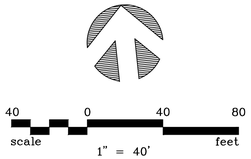
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 16

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

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HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 2 - SHEET 2
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

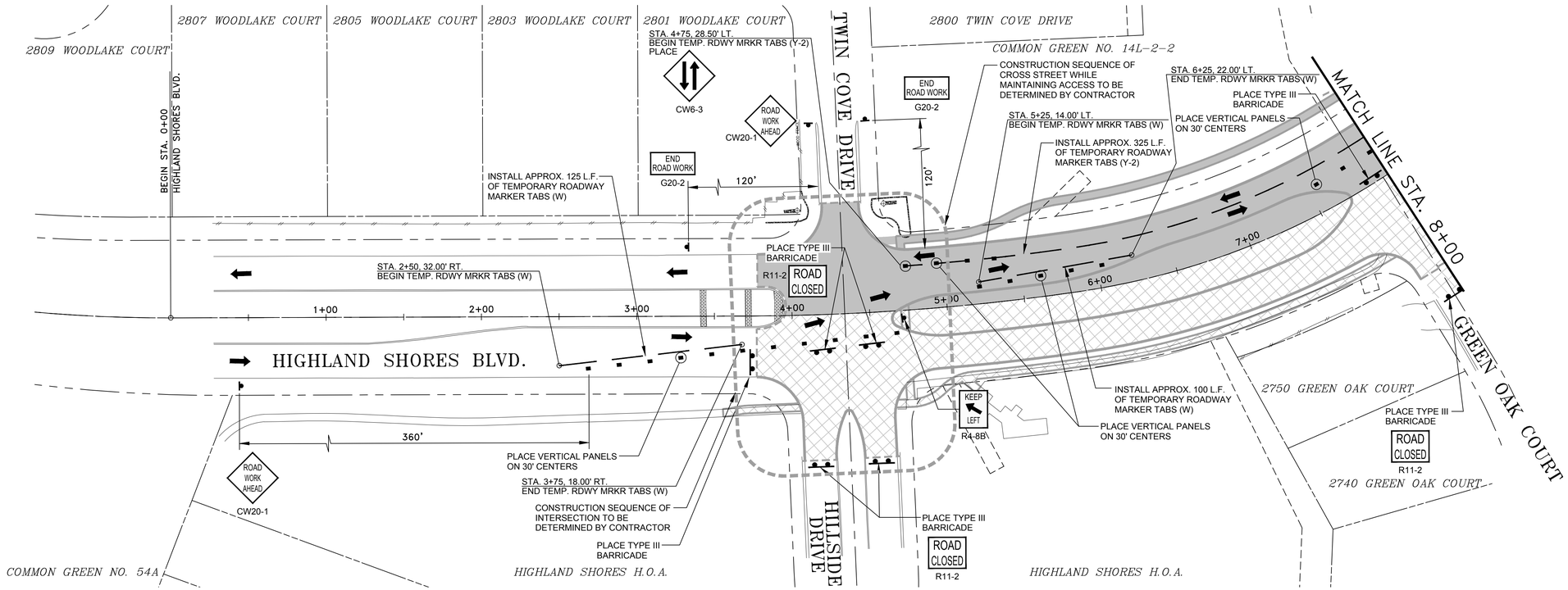
DRAWN BY: SPI

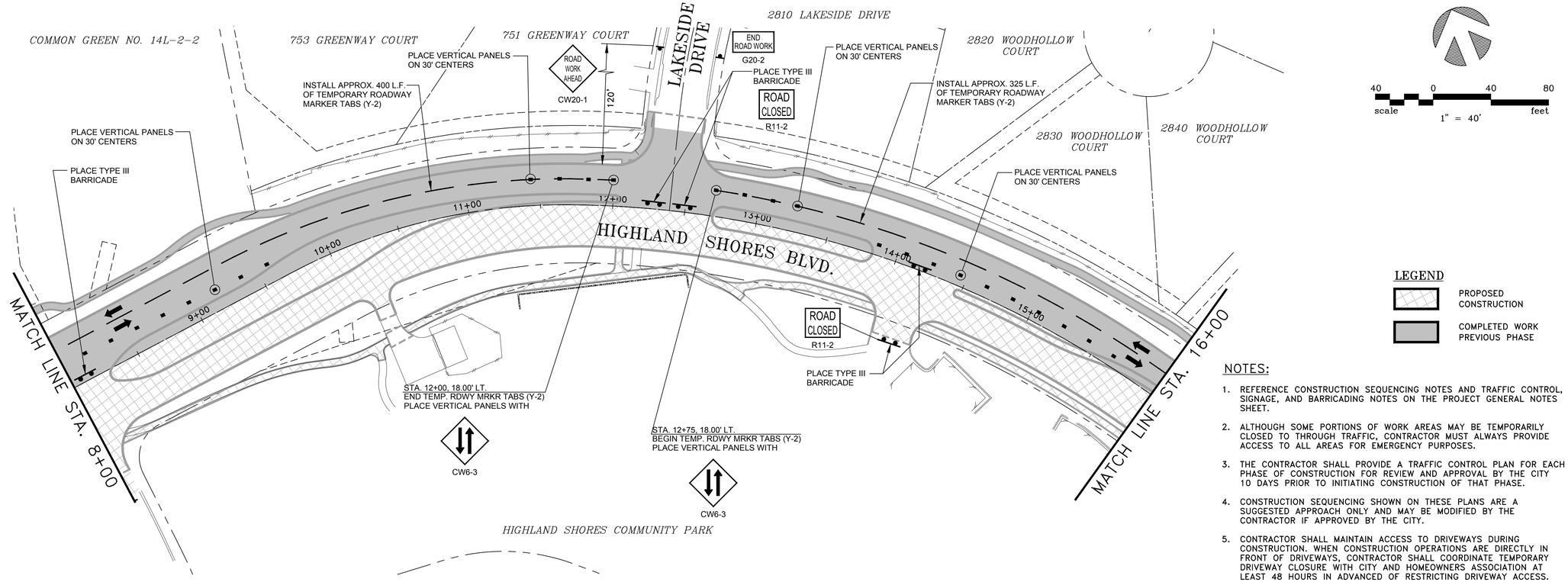
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 17

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 3 - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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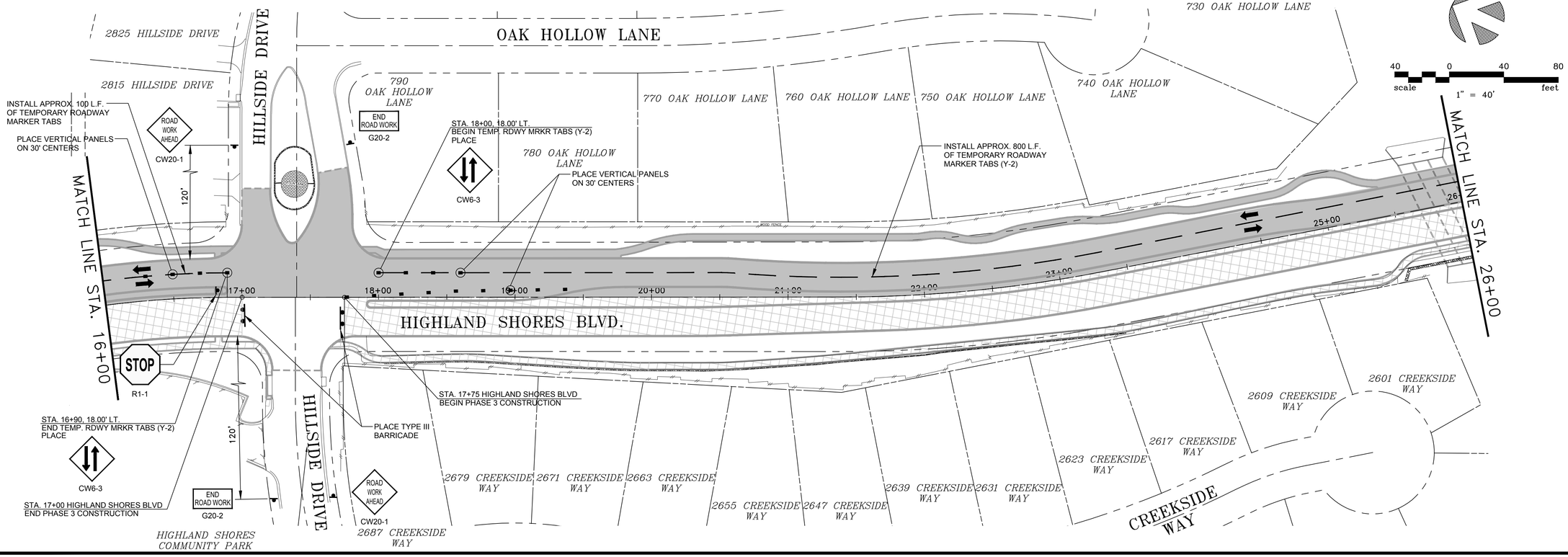
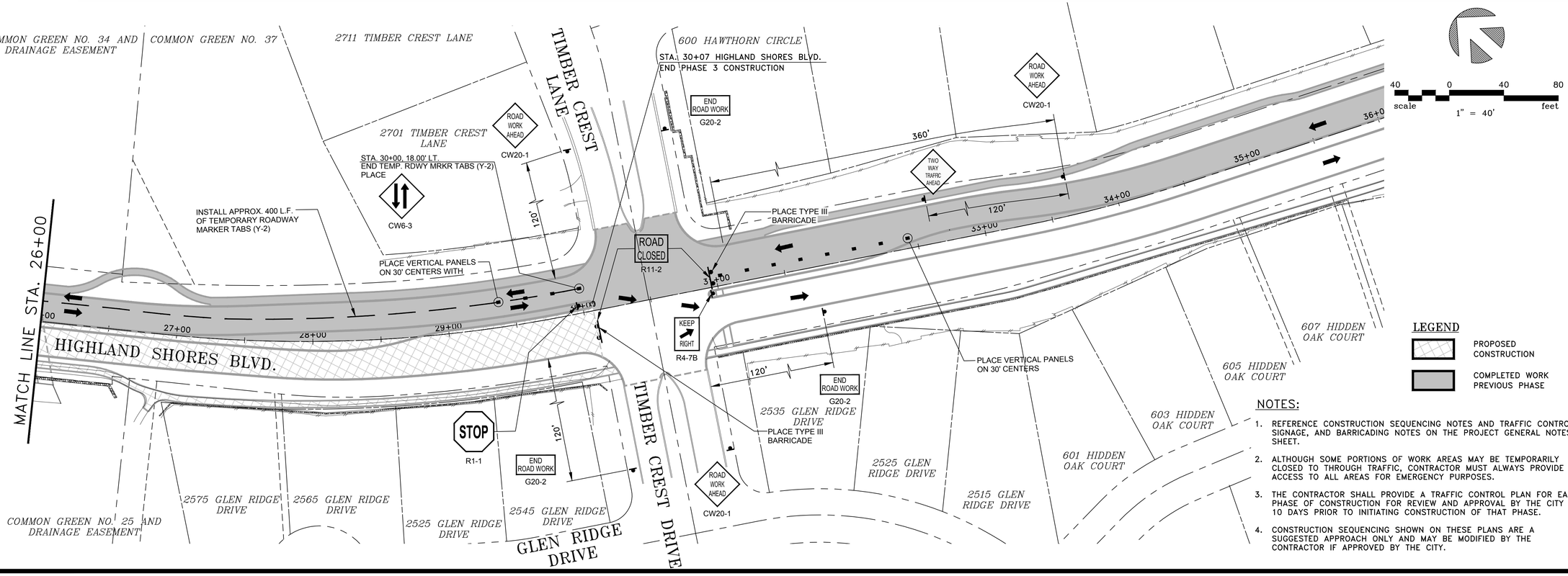
SCALE: 1" = 40'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 18

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





NOTES:

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT (FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

TRAFFIC CONTROL PLAN PHASE 3 - SHEET 2

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

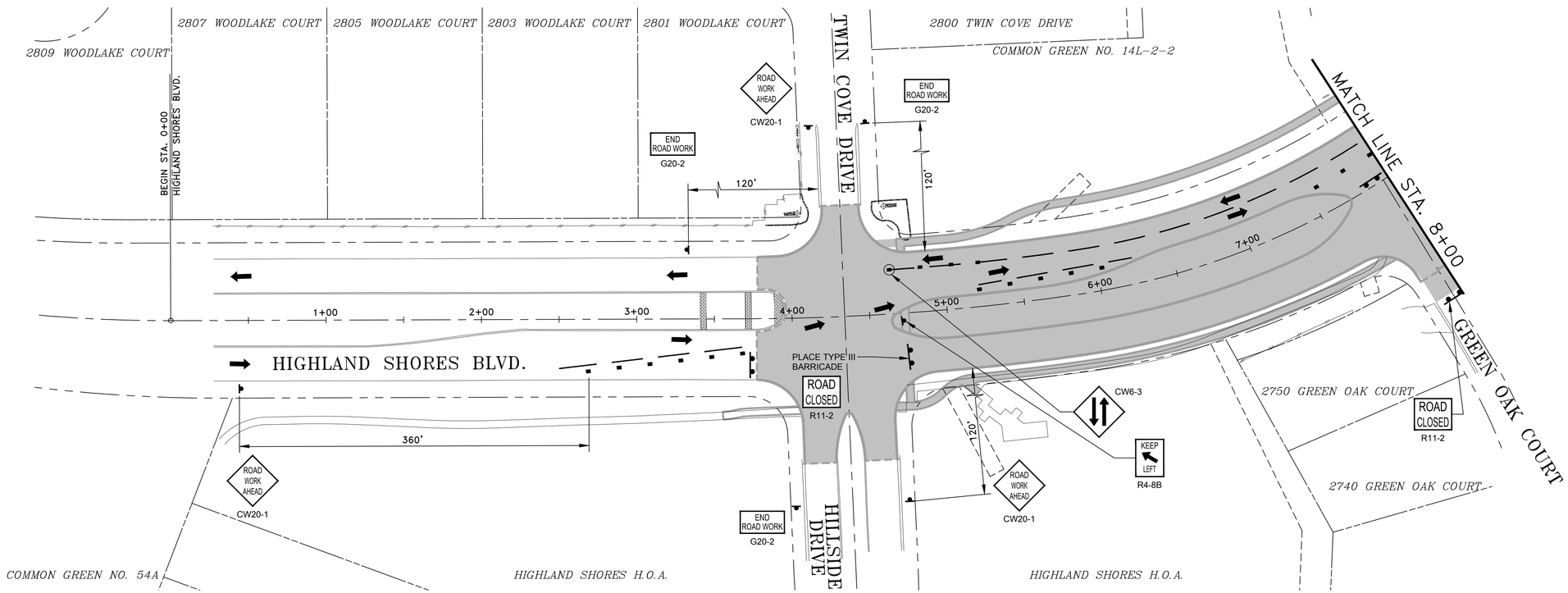
DRAWN BY: SPI

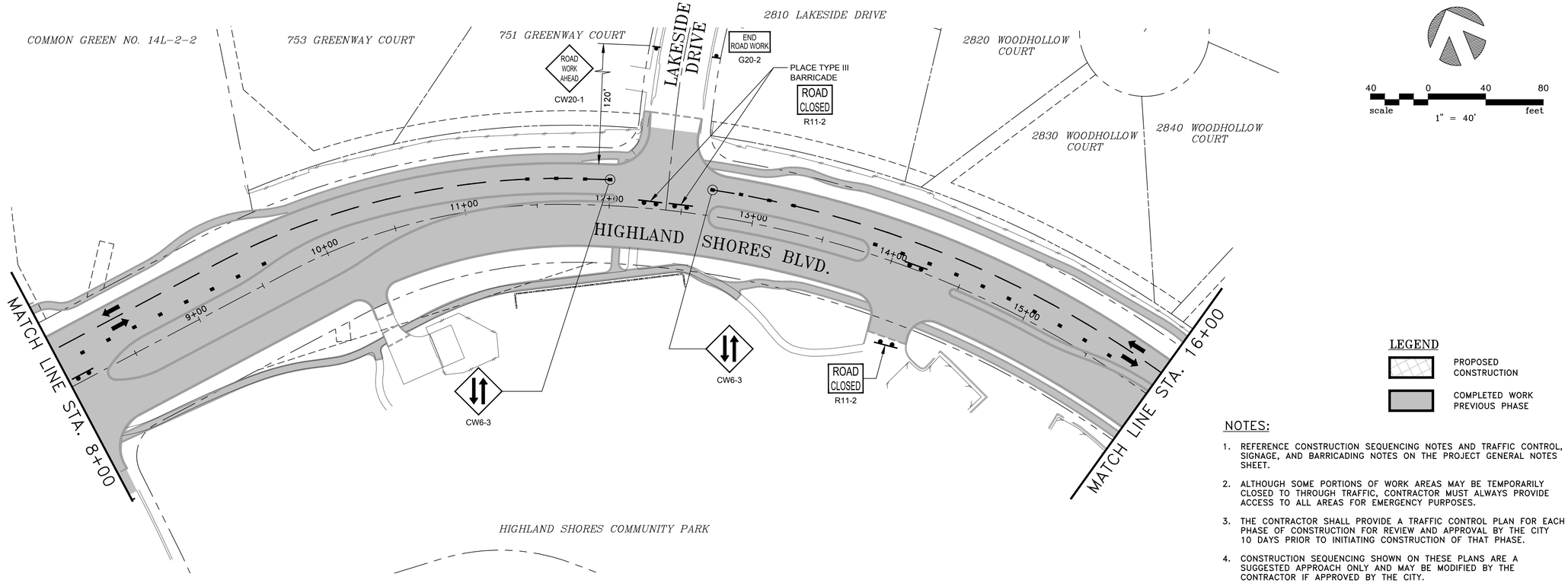
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 19

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN PHASE 3A - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

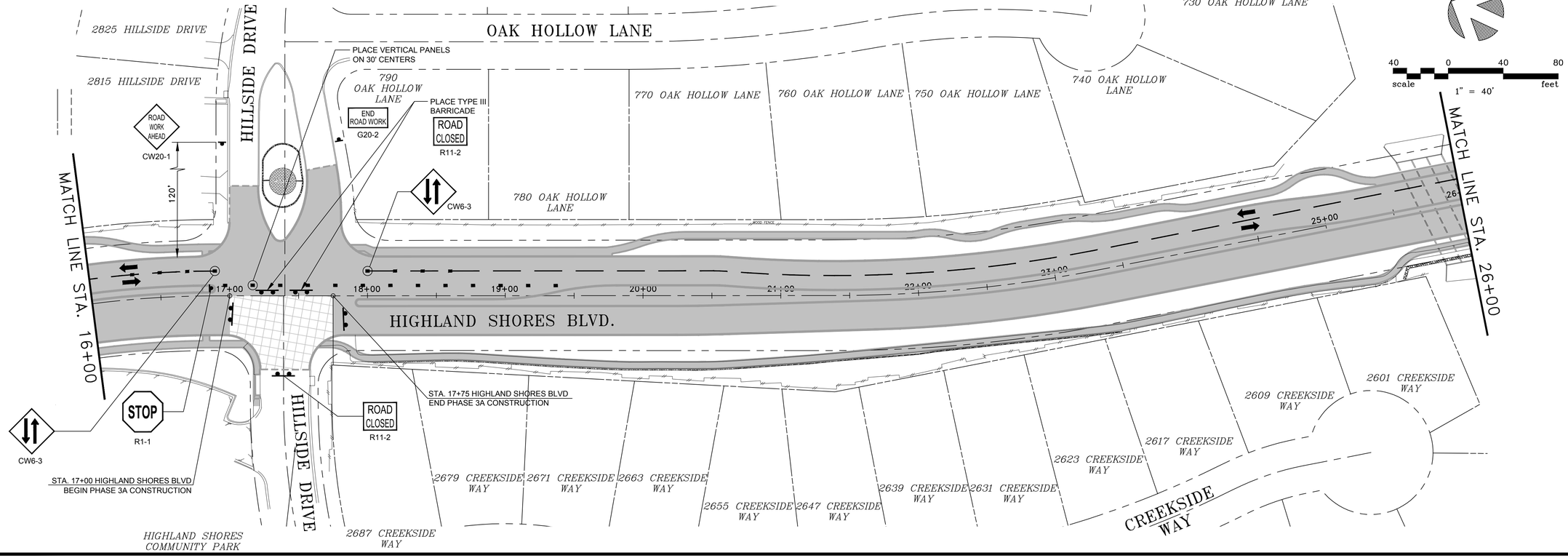
DRAWN BY: SPI

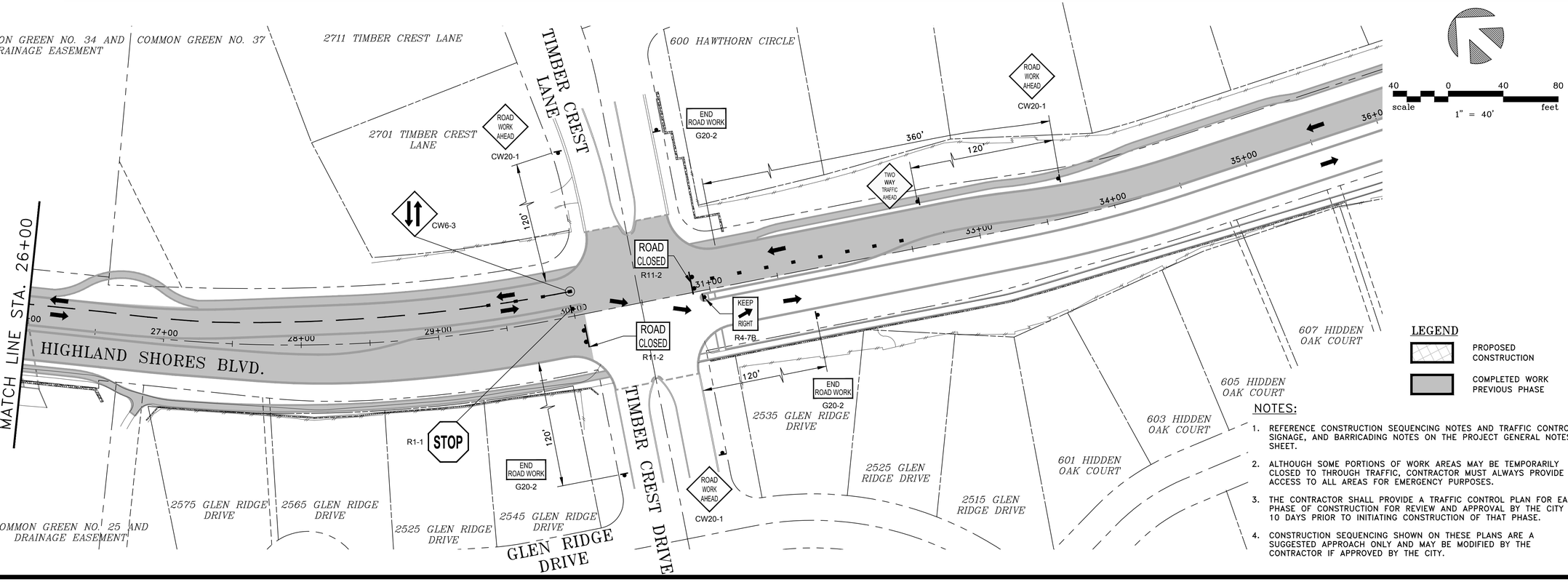
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 20

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





LEGEND

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- COMPLETED WORK PREVIOUS PHASE

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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 3A - SHEET 2
CITY OF HIGHLAND VILLAGE

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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

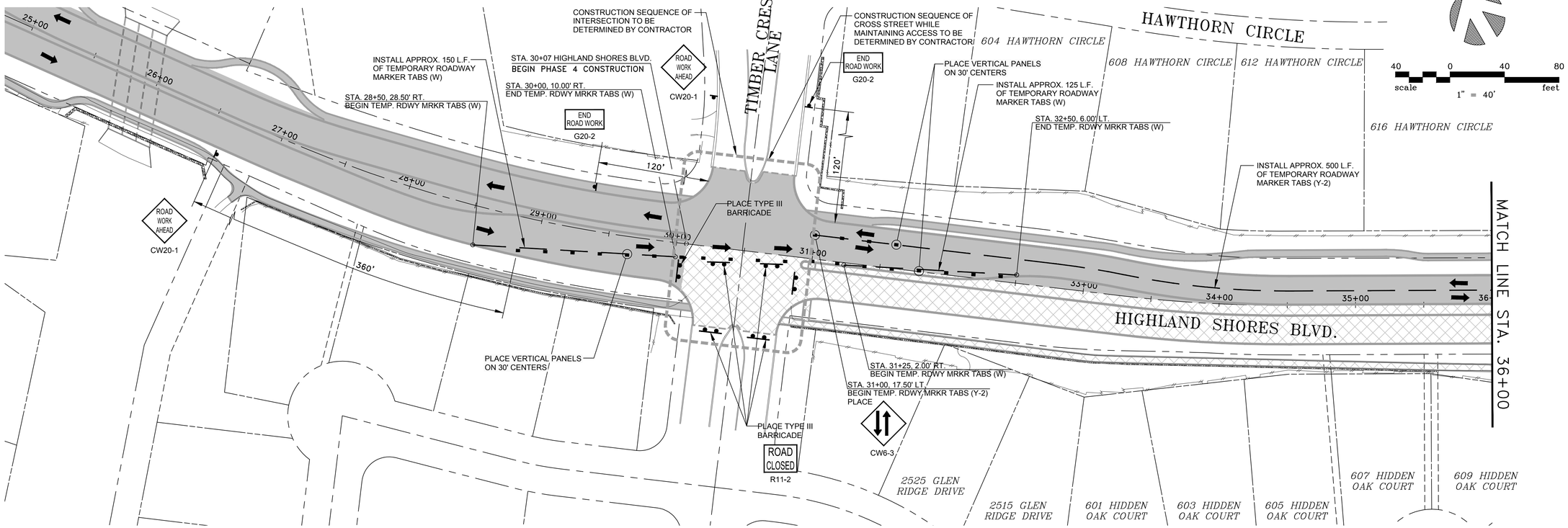
DRAWN BY: SPI

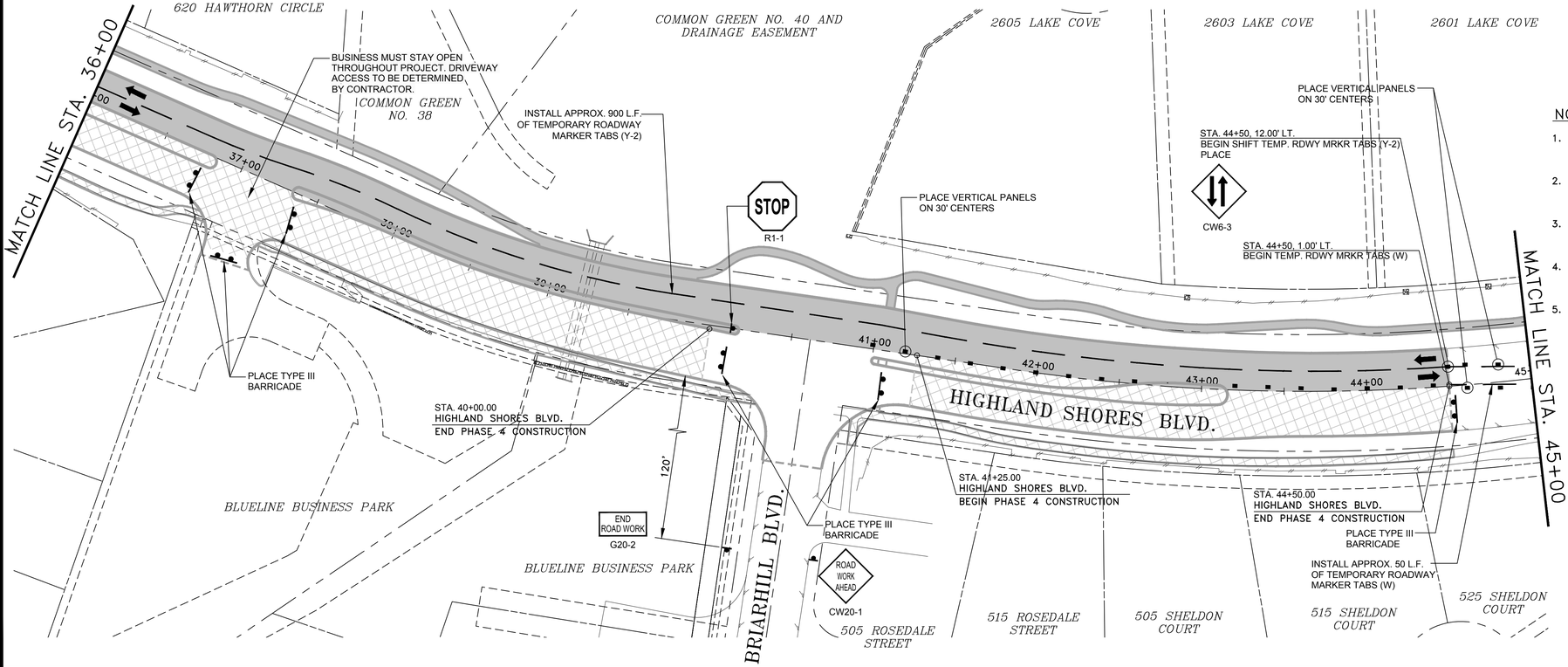
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 21

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-01





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LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

SCHAUMBURG & POLK, INC.
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REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 4 - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

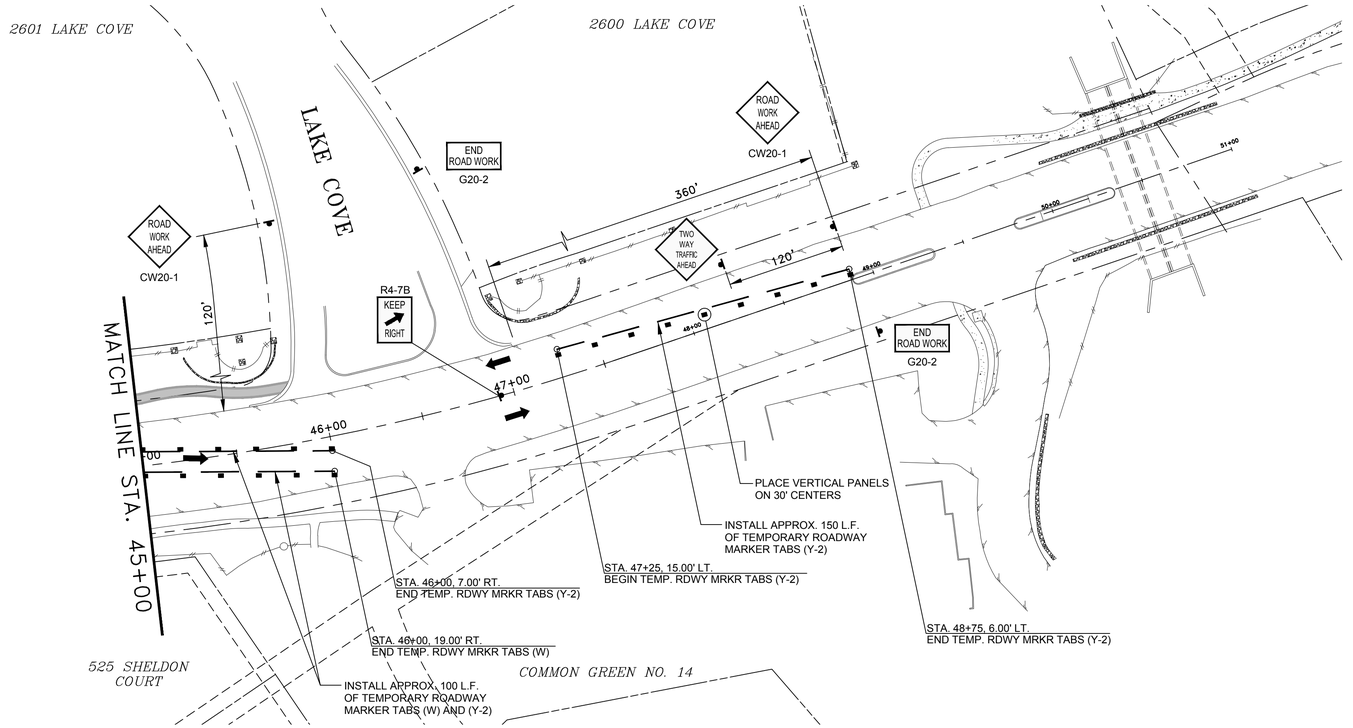
DRAWN BY: SPI

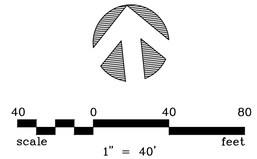
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 22

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
3. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE CITY 10 DAYS PRIOR TO INITIATING CONSTRUCTION OF THAT PHASE.
4. CONSTRUCTION SEQUENCING SHOWN ON THESE PLANS ARE A SUGGESTED APPROACH ONLY AND MAY BE MODIFIED BY THE CONTRACTOR IF APPROVED BY THE CITY.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520



HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 4 - SHEET 2
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 40'

DATE: SEPTEMBER 2026

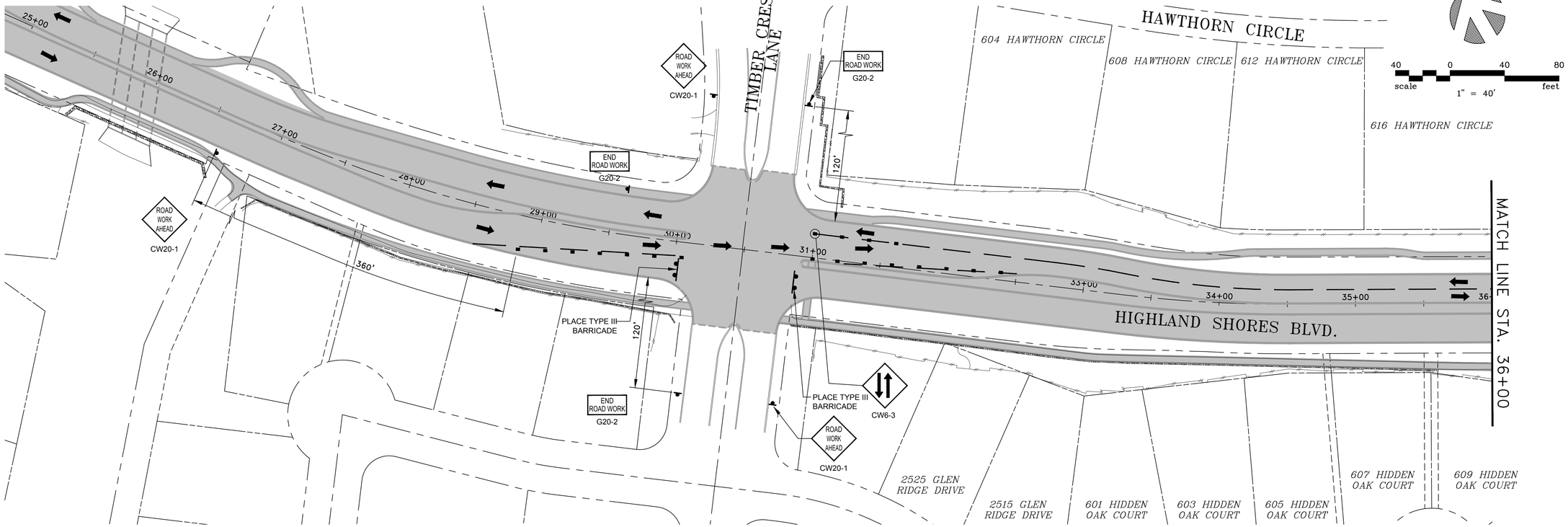
DRAWN BY: SPI

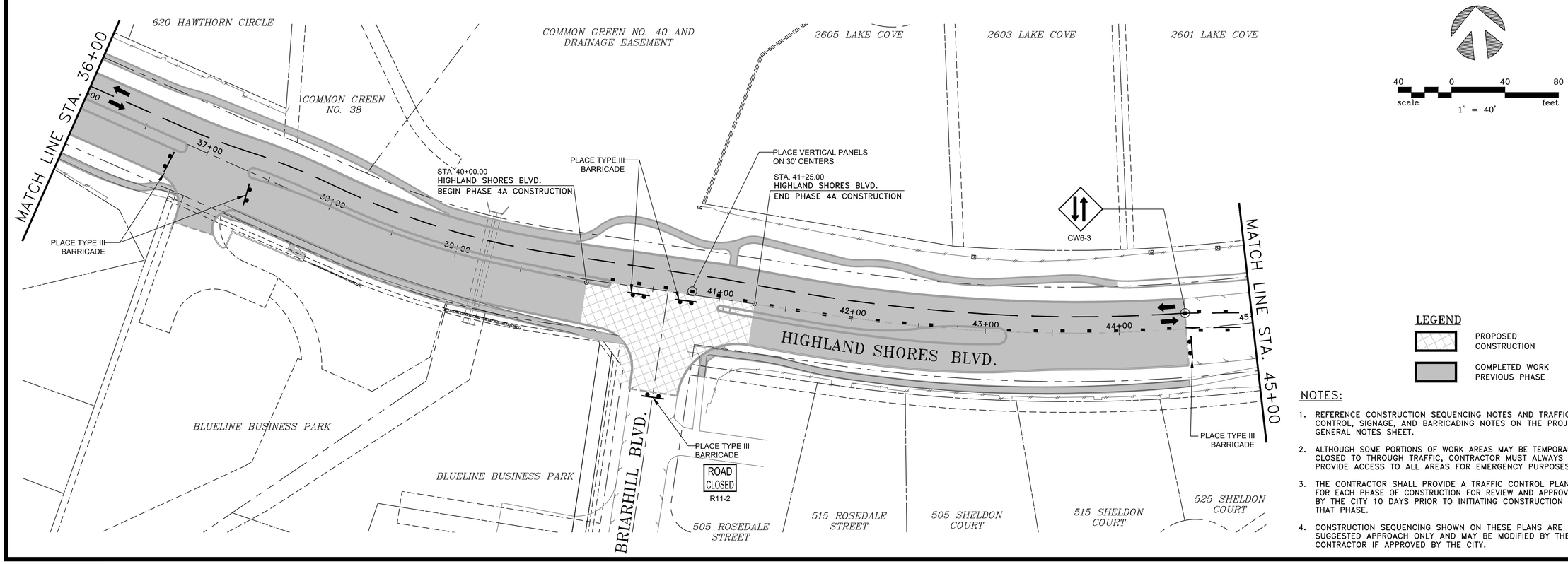
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 23

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
3. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE CITY 10 DAYS PRIOR TO INITIATING CONSTRUCTION OF THAT PHASE.
4. CONSTRUCTION SEQUENCING SHOWN ON THESE PLANS ARE A SUGGESTED APPROACH ONLY AND MAY BE MODIFIED BY THE CONTRACTOR IF APPROVED BY THE CITY.

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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 4A - SHEET 1
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
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4			
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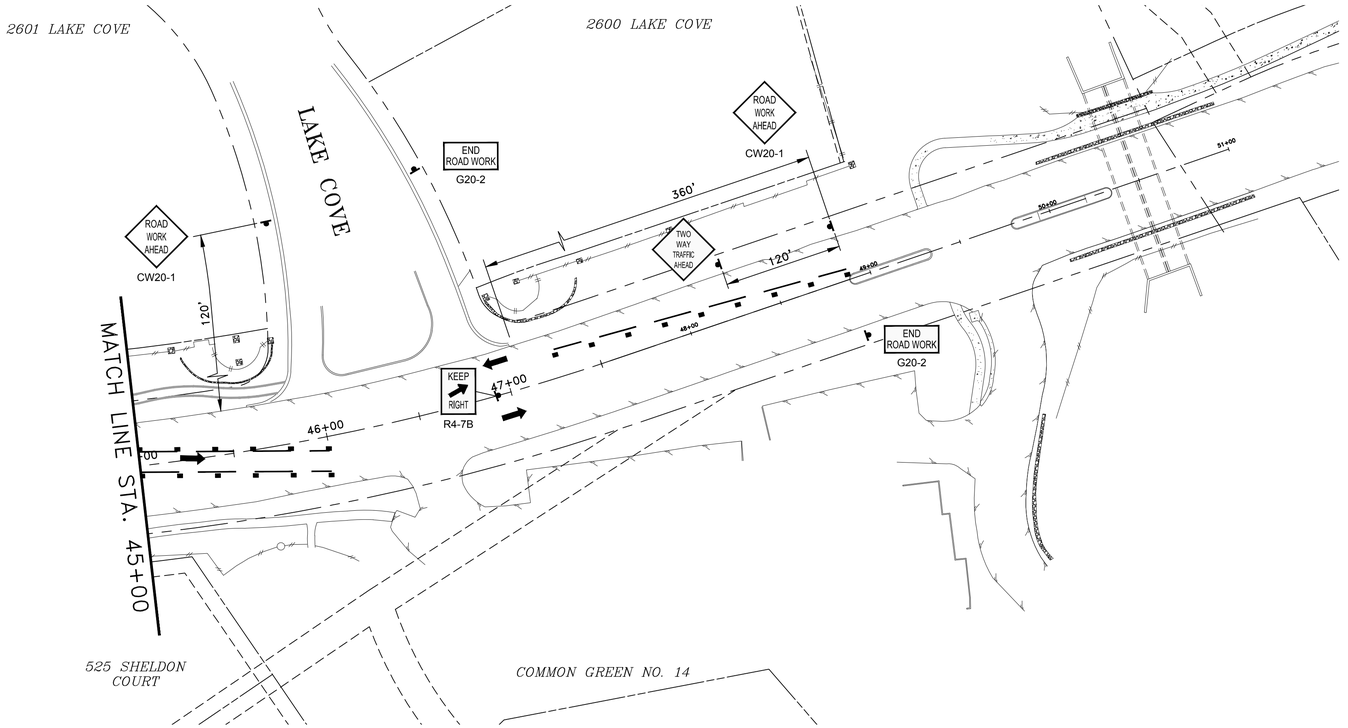
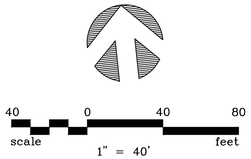
SCALE: 1" = 40'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 24

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03





LEGEND

- PROPOSED CONSTRUCTION
- COMPLETED WORK PREVIOUS PHASE

NOTES:

1. REFERENCE CONSTRUCTION SEQUENCING NOTES AND TRAFFIC CONTROL, SIGNAGE, AND BARRICADING NOTES ON THE PROJECT GENERAL NOTES SHEET.
2. ALTHOUGH SOME PORTIONS OF WORK AREAS MAY BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, CONTRACTOR MUST ALWAYS PROVIDE ACCESS TO ALL AREAS FOR EMERGENCY PURPOSES.
3. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION FOR REVIEW AND APPROVAL BY THE CITY 10 DAYS PRIOR TO INITIATING CONSTRUCTION OF THAT PHASE.
4. CONSTRUCTION SEQUENCING SHOWN ON THESE PLANS ARE A SUGGESTED APPROACH ONLY AND MAY BE MODIFIED BY THE CONTRACTOR IF APPROVED BY THE CITY.

SCHAUMBURG & POLK, INC.
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520



HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
TRAFFIC CONTROL PLAN
PHASE 4A - SHEET 2
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
1" = 40'

DATE:
SEPTEMBER 2026

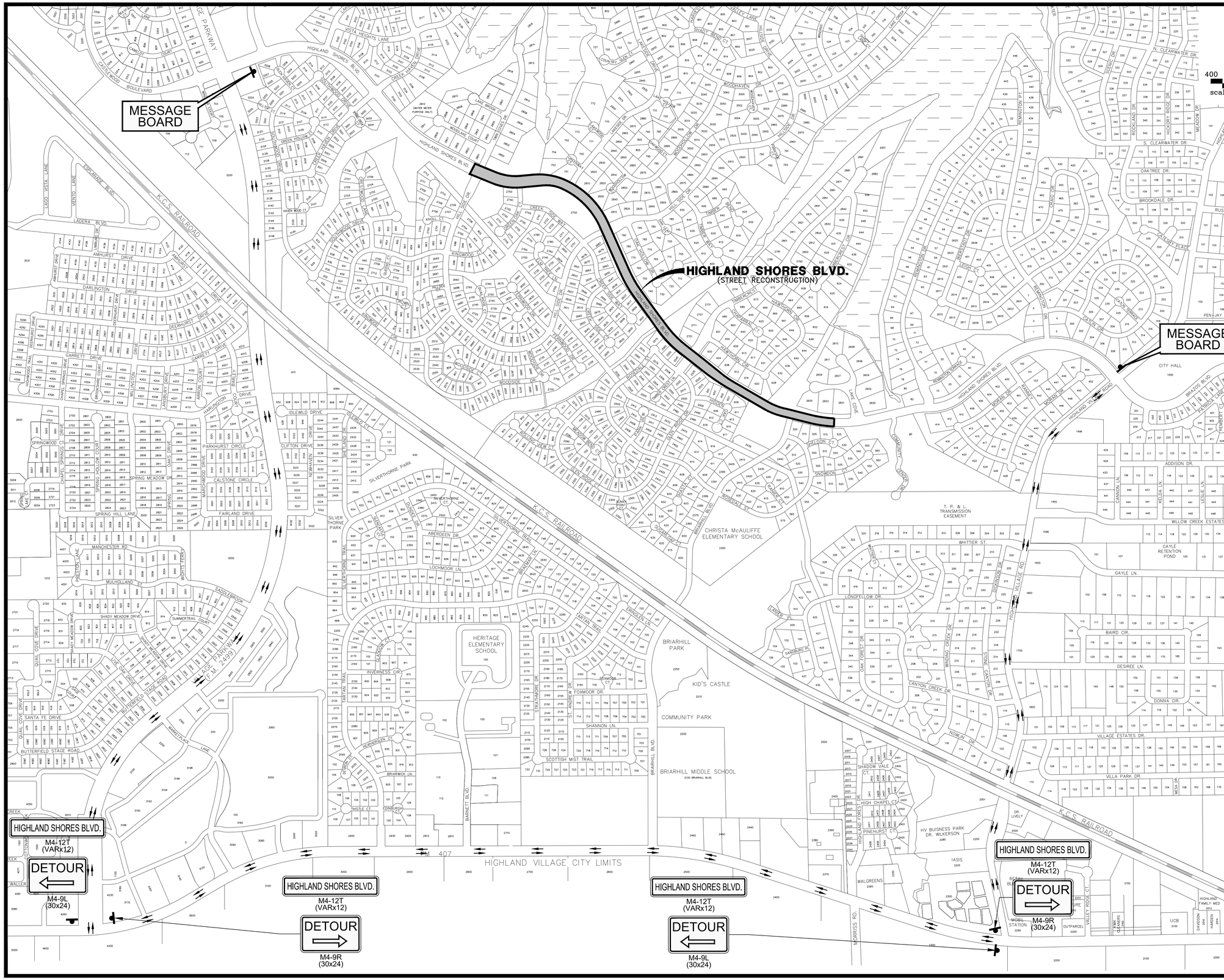
DRAWN BY:
SPI

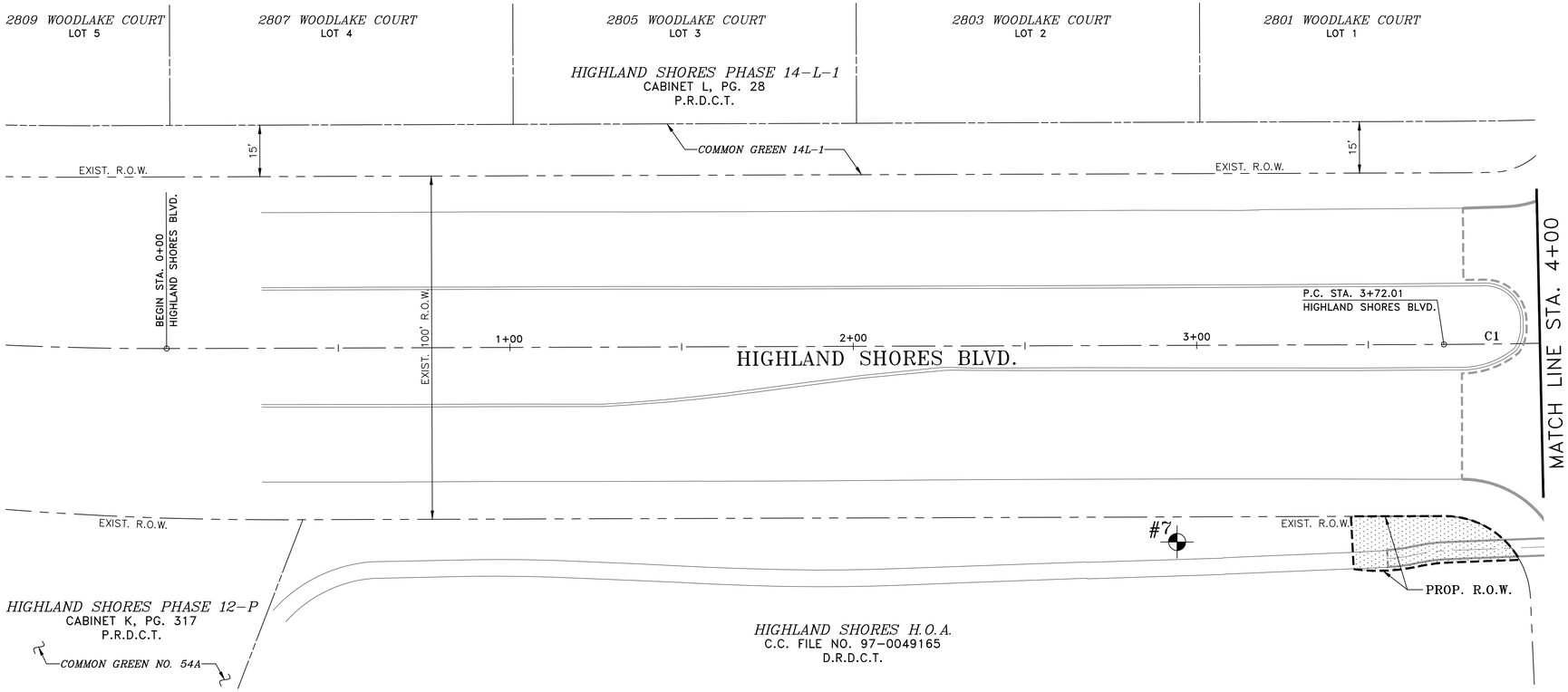
REVIEWED BY:
JDW

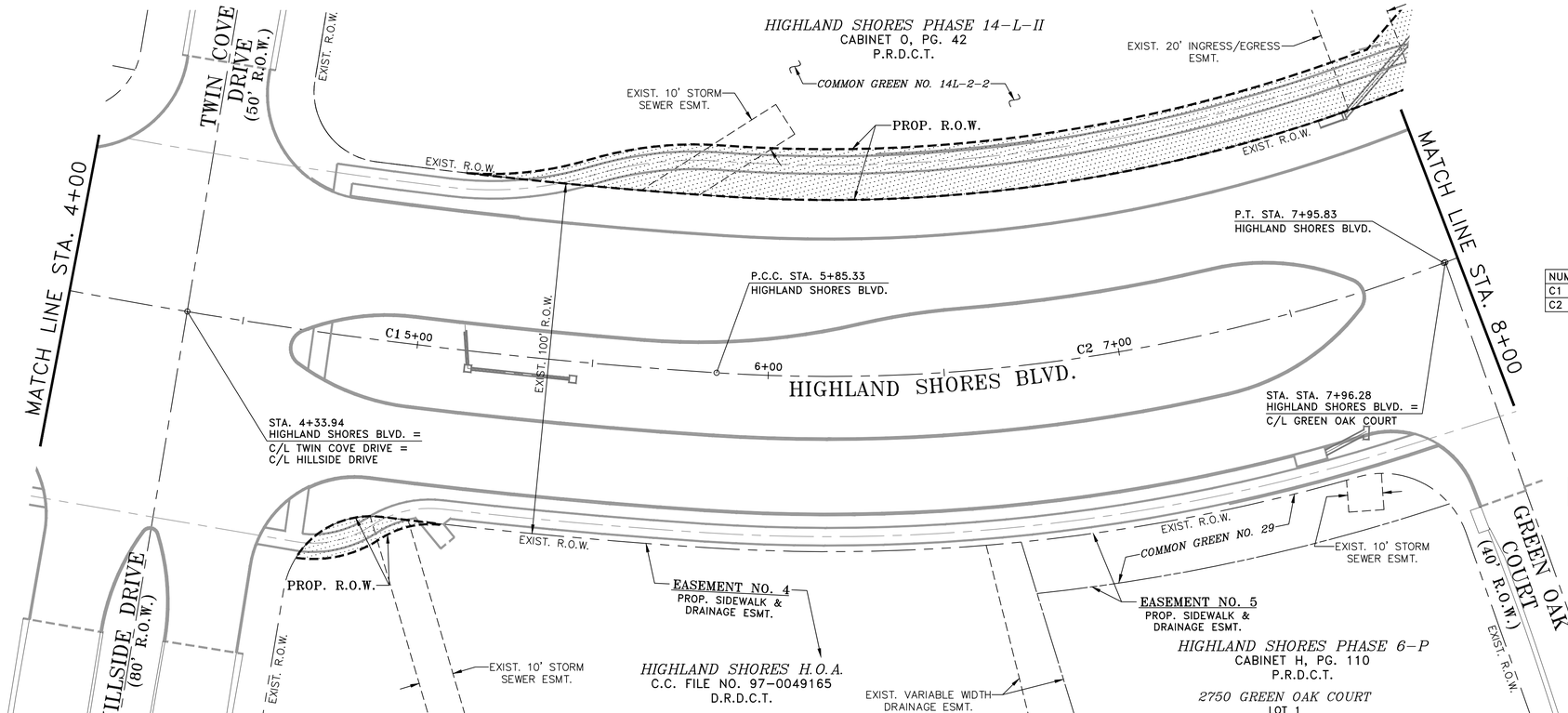
PROJECT NO:
23-2132

SHEET NO:
25

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132CONSEQ-HSBLVD-03


MESSAGE BOARD
HIGHLAND SHORES BLVD.
(STREET RECONSTRUCTION)
MESSAGE BOARD
HIGHLAND SHORES BLVD.
M4-12T
(VARx12)
DETOUR
M4-9L
(30x24)
HIGHLAND SHORES BLVD.
M4-12T
(VARx12)
DETOUR
M4-9R
(30x24)
HIGHLAND SHORES BLVD.
M4-12T
(VARx12)
DETOUR
M4-9L
(30x24)
HIGHLAND SHORES BLVD.
M4-12T
(VARx12)
DETOUR
M4-9R
(30x24)
HIGHLAND VILLAGE CITY LIMITS
FM 407
K.C.S. RAILROAD
T. P. & L. TRANSMISSION EASEMENT
CHRISTA McAULIFFE ELEMENTARY SCHOOL
HERITAGE ELEMENTARY SCHOOL
BRIARHILL MIDDLE SCHOOL
2100 BRIARHILL BLVD.
BRIARHILL PARK
KID'S CASTLE
COMMUNITY PARK
SILVER THORNE PARK
BRAZOS PARK
CITY HALL
HV BUISNESS PARK DR. WILKERSON
WALGREENS
IASIS
OUTPARCEL
UCB
HIGHLAND FAMILY MED
GAYLE RETENTION POND
VICTORIA PARK
MORRIS RD.
SCENIC DR.
N. CLEARWATER DR.
S. CLEARWATER DR.
OAKTREE DR.
BROOKDALE DR.
RUSSELL DR.
SUNDAY HAUS LN.
MONDAY HAUS LN.
PEN-JAY LN.
SPRINGWAY DR.
PECAN ST.
ROOSEVELT DR.
BUTLER DR.
LAKE VISTA DR.
HIGHLAND VILLAGE
ROOKLAND DR.
HICKORY RIDGE DR.
MEADOW DR.
REMINGTON PT.
CASSIDY PLACE
FORTUNA DR.
FERNDALE DR.
MEDINA DR.
ADDISON DR.
CANNON LN.
KELDA LN.
LESLIE LN.
LOUISE LN.
PATRICIA LN.
CAMDEN DR.
ARBOR CT.
MEDINA DR.
DELAND DR.
VILLA PARK DR.
MESA DR.
WILLOW CREEK ESTATES DR.
GAYLE LN.
BAIRD CIR.
DESIREE LN.
DONNA CIR.
VILLAGE ESTATES DR.
WHITTIER ST.
LONGFELLOW DR.
HIGH VILLAGE RD.
ROBINSON DR.
WRONG CREEK DR.
CANYON CREEK DR.
NORLIN DR.
OAK FOREST DR.
SANDUSKY PL.
LARRY LN.
CLARK DR.
VALLEY RIDGE CT.
LAKE COVE
SHADOW VALE CT.
HIGH CHAPEL CT.
PINEHURST CT.
HIGHLAND FOREST CT.
SAVANNA DR.
TURPIN DR.
MEADOW LN.
DR. LIVELY
MOBIL STATION
LAMAR CLARKS
DAWSON
HARDEN
MESSAGE BOARD
HIGHLAND VILLAGE
LAKE VISTA LANE
VENTO LANE
LADERA BLVD.
AMHURST DRIVE
DARLINGTON DRIVE
DEERHURST DRIVE
GARRETT DRIVE
MILLINGTON DRIVE
HARLINGTON DRIVE
ARGENT COURT
ARDEN COURT
BRACKENRIDGE COURT
WILLOWOOD TRAIL
DARLEY DRIVE
IDLEWILD DRIVE
CLIFTON DRIVE
NEWHAVEN DRIVE
PARKHURST CIRCLE
MARCHWOOD DRIVE
CALSTONE CIRCLE
FAIRLAND DRIVE
SPRINGWOOD CT.
SPRING HOLLOW COURT
SPRING MEADOW DR.
SPRING HILL LANE
MANCHESTER RD.
PRESTON LANE
WORTH PERRY
MULHOLLAND ST.
SADDLEBROOK
SHADY MEADOW DRIVE
SUMMERTRAIL COURT
QUAIL COVE DRIVE
LAKE CREEK DRIVE
BUTTERFIELD
STAGE ROAD
SANTA FE DRIVE
MARKET PLACE LANE
BUTTERFIELD STAGE ROAD
CREEK
WALLER
CREEK
CASTLE WOOD BOULEVARD
HIGHLAND SHORES BLVD.
VISTA HEIGHTS LANE
GREEN HAVEN DRIVE
GREEN HOLLOW
CAMELOT COURT
KAREN WOOD CT.
WOODLAND COURT
LAKE BRIAR CT.
LAKE BRIAR DR.
LAKE CREST DR.
LAKE VIEW DR.
LAKE SHORE DR.
LAKE RIDGE DR.
LAKE CREST CT.
SHADY RIDGE CT.
SHADY RIDGE DR.
COUNTRY OAKS CT.
COUNTRY OAKS DR.
ROOSEVELT DR.
ROOSEVELT CT.
ROOSEVELT PL.
ROOSEVELT CIR.
ROOSEVELT LN.
ROOSEVELT TRAIL
ROOSEVELT PARK
ROOSEVELT CREEK
ROOSEVELT CREEK DR.
ROOSEVELT CREEK CT.
ROOSEVELT CREEK TRAIL
ROOSEVELT CREEK PARK
ROOSEVELT CREEK PARK DR.
ROOSEVELT CREEK PARK CT.
ROOSEVELT CREEK PARK TRAIL
ROOSEVELT CREEK PARK LN.
ROOSEVELT CREEK PARK CIR.
ROOSEVELT CREEK PARK PL





C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	1510.00'	08°05'39"	213.32'	S 67°13'53" E	213.14'
C2	490.00'	24°36'51"	210.50'	S 83°35'08" E	208.89'

C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
BEGIN STA. 0+00	7083686.9900	2405746.6691
P.C. STA. 3+72.01	7083519.1681	2406078.6733
P.C.C. STA. 5+85.33	7083436.6806	2406275.2040
P.T. STA. 7+95.83	7083413.3436	2406482.7851

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
7	7083503.1520	2405983.2990	561.56	1/2" I.R. W/CAP

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

SCHAUMBURG & POLK, INC.
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 0+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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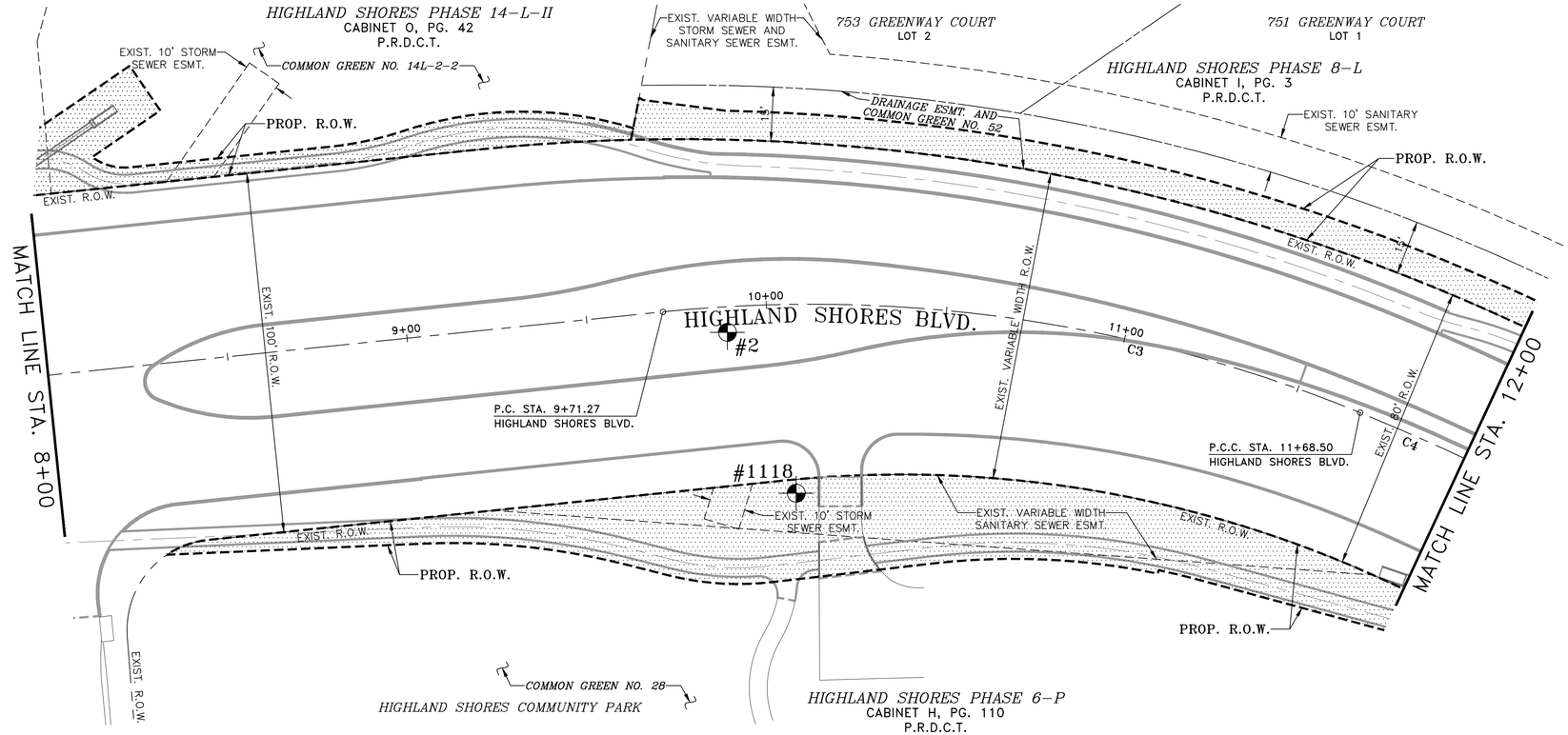
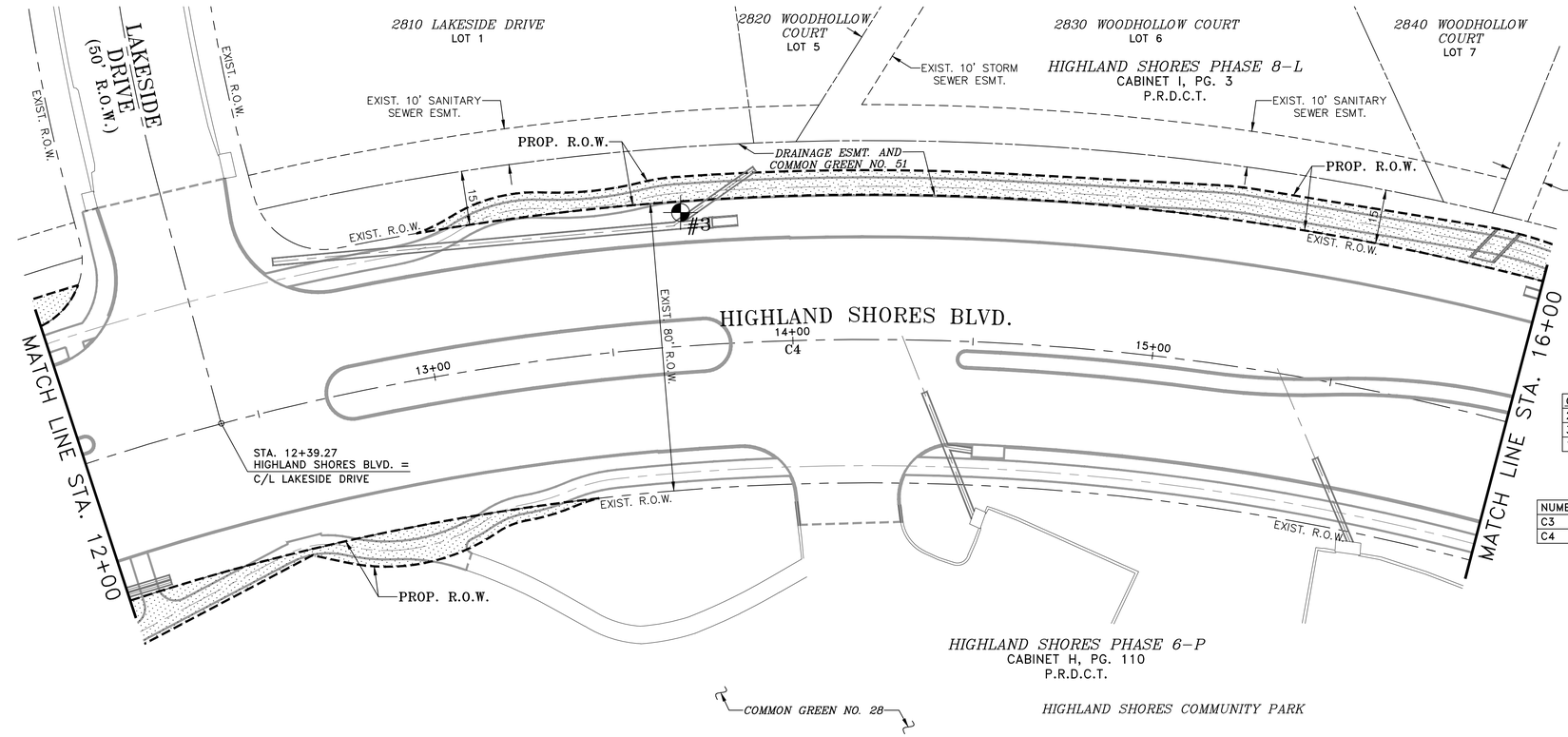
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 27

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-01





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 9+71.27	7083431.3553	2406657.2998
P.C.C. STA. 11+68.50	7083403.3987	2406850.5235

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
2	7083425.6610	2406675.1790	539.92	1/2" I.R. W/CAP
3	7083329.1290	2407047.7190	544.46	1/2" I.R. W/CAP
1118	7083381.0570	2406694.2330	538.48	SQUARE CUT

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C3	400.00'	28°08'46"	196.50'	S 81°49'11" E	194.53'
C4	700.00'	42°36'48"	520.62'	S 46°20'07" E	508.70'

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 8+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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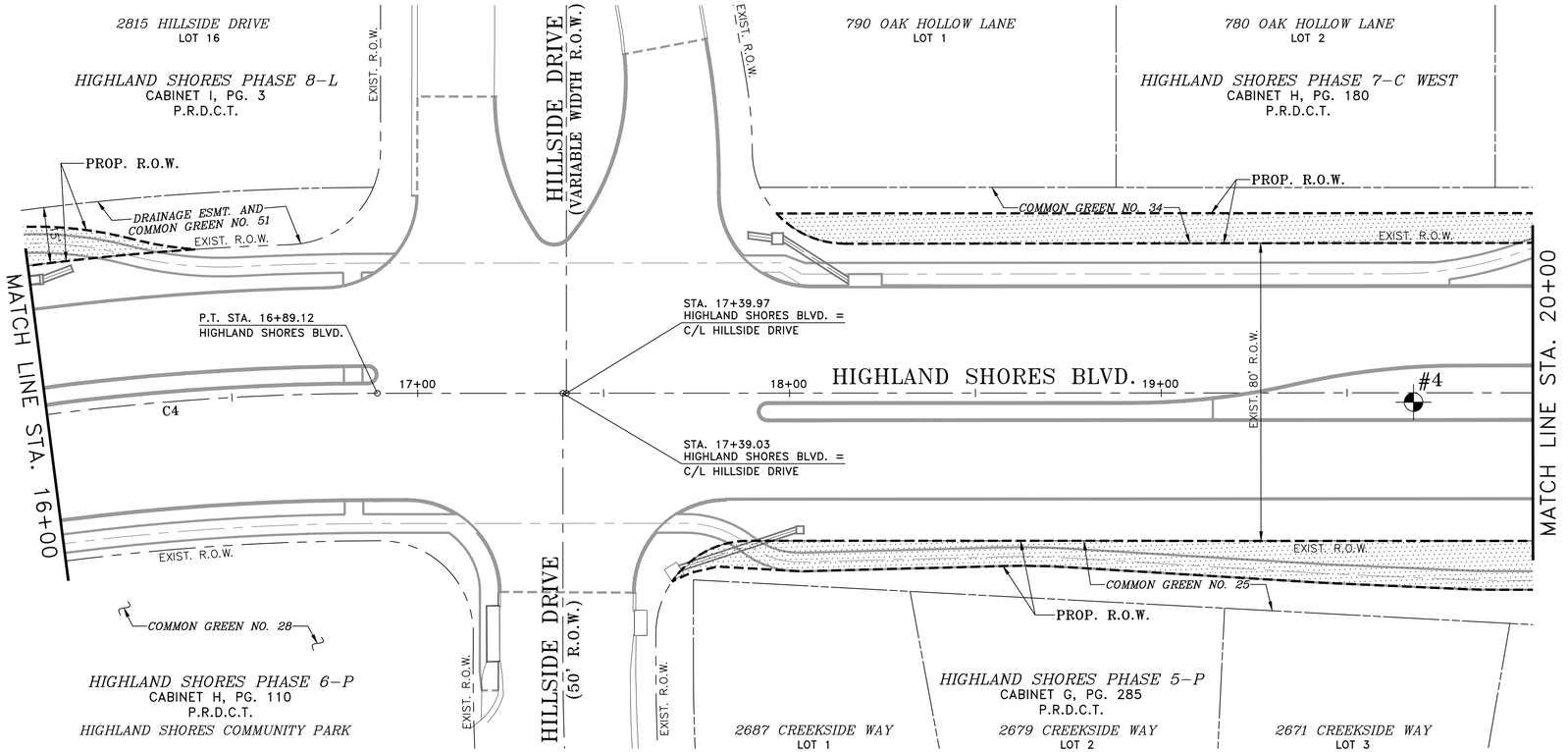
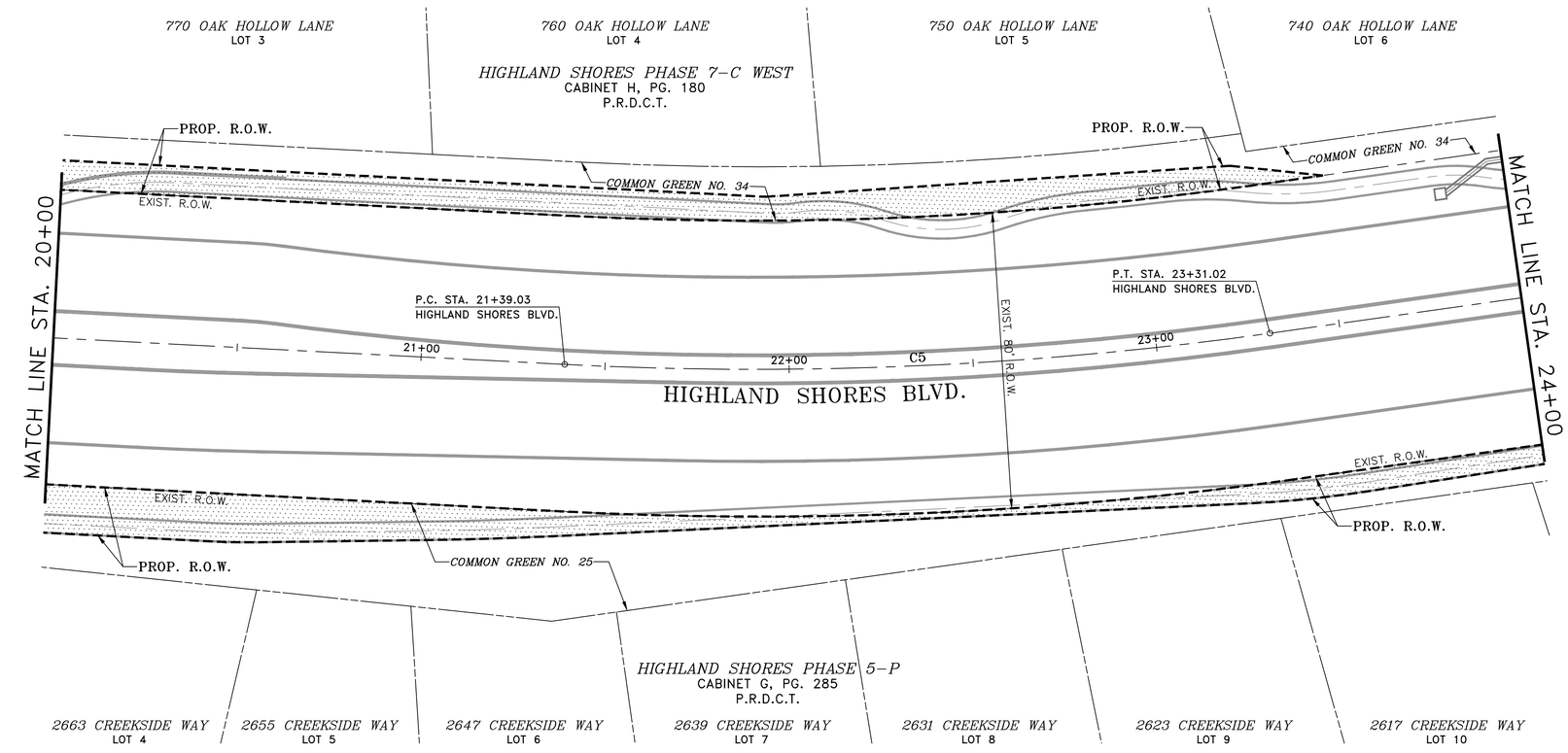
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 28

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-02





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 16+89.12	7083052.1718	2407218.5148
P.C. STA. 21+39.03	7082644.5087	2407408.8597
P.T. STA. 23+31.02	7082479.3875	2407506.2348

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
4	7082798.5040	2407334.1760	570.26	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	700.00'	42°36'48"	520.62'	S 46°20'07" E	508.70'
C5	1000.00'	11°00'01"	191.99'	S 30°31'43" E	191.69'

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT (FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

HORIZONTAL AND VERTICAL CONTROL PLAN STA. 16+00 TO STA. 24+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

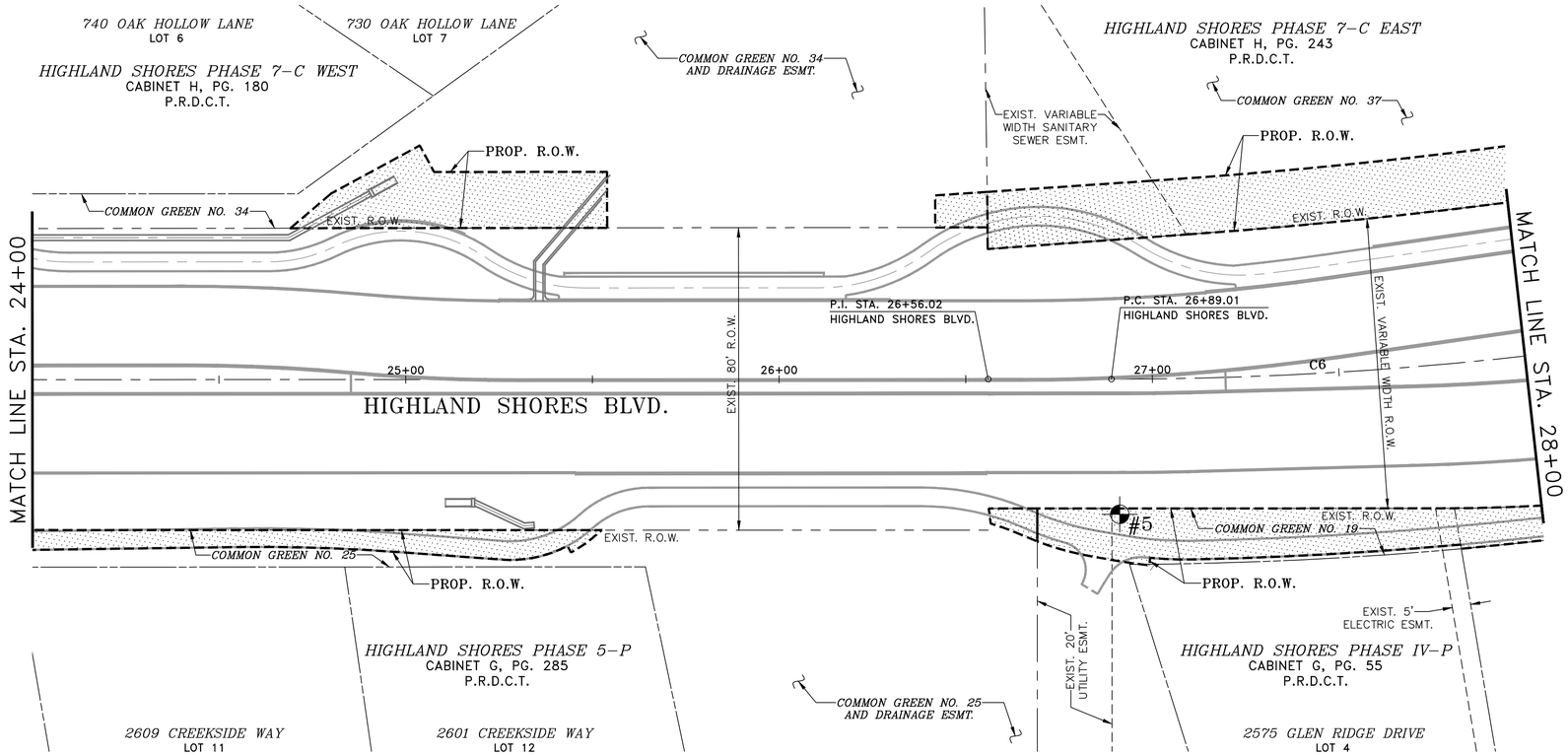
DRAWN BY:
SPI

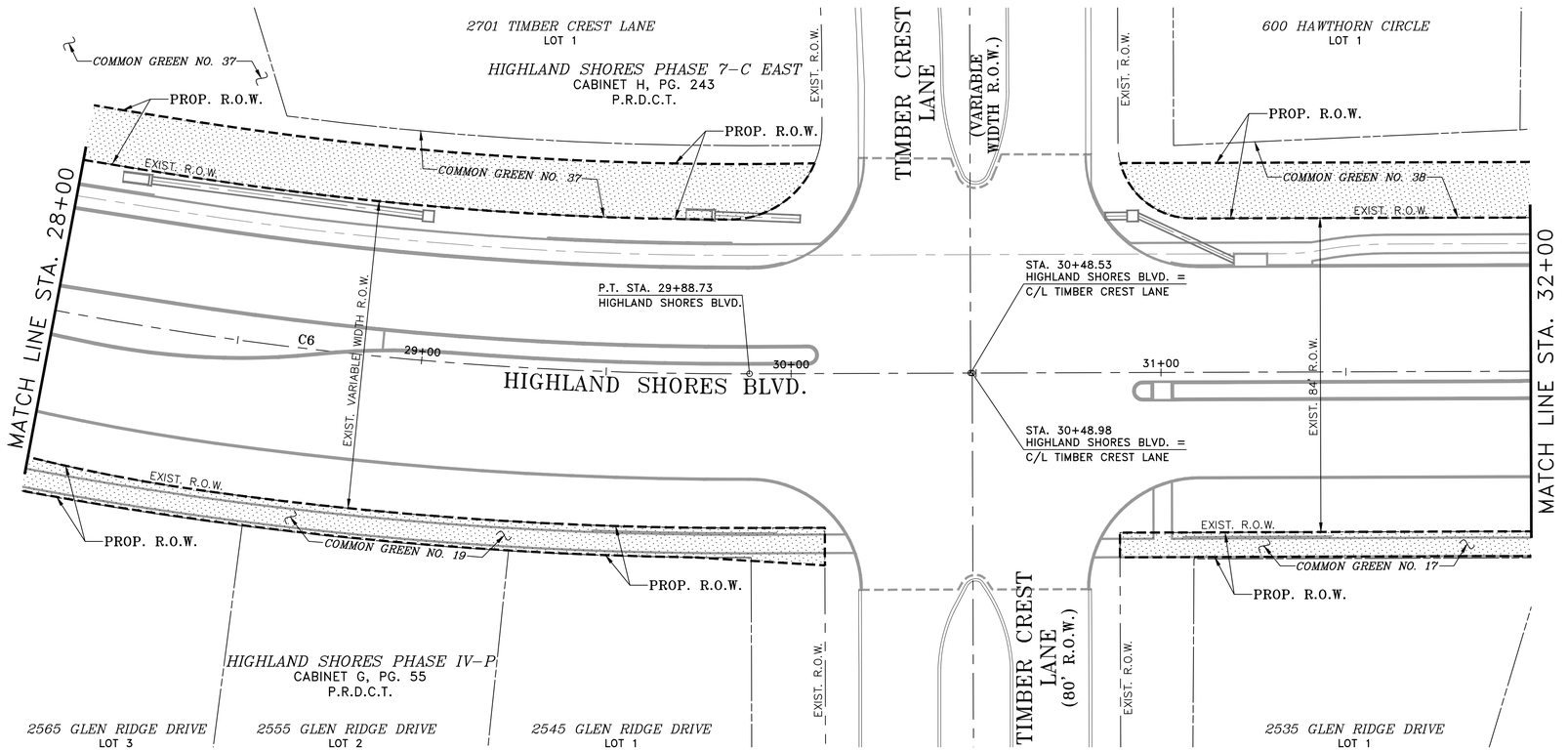
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
29

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-03





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.I. STA. 26+56.02	7082216.5526	2407697.3965
P.C. STA. 26+89.01	7082189.8686	2407716.7950
P.T. STA. 29+88.73	7081977.2660	2407926.4677

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
5	7082166.7780	2407688.8310	558.16	X CUT

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C6	1000.00'	17°10'22"	299.72'	S 44°36'09" E	298.60'

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 24+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
6			
5			
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

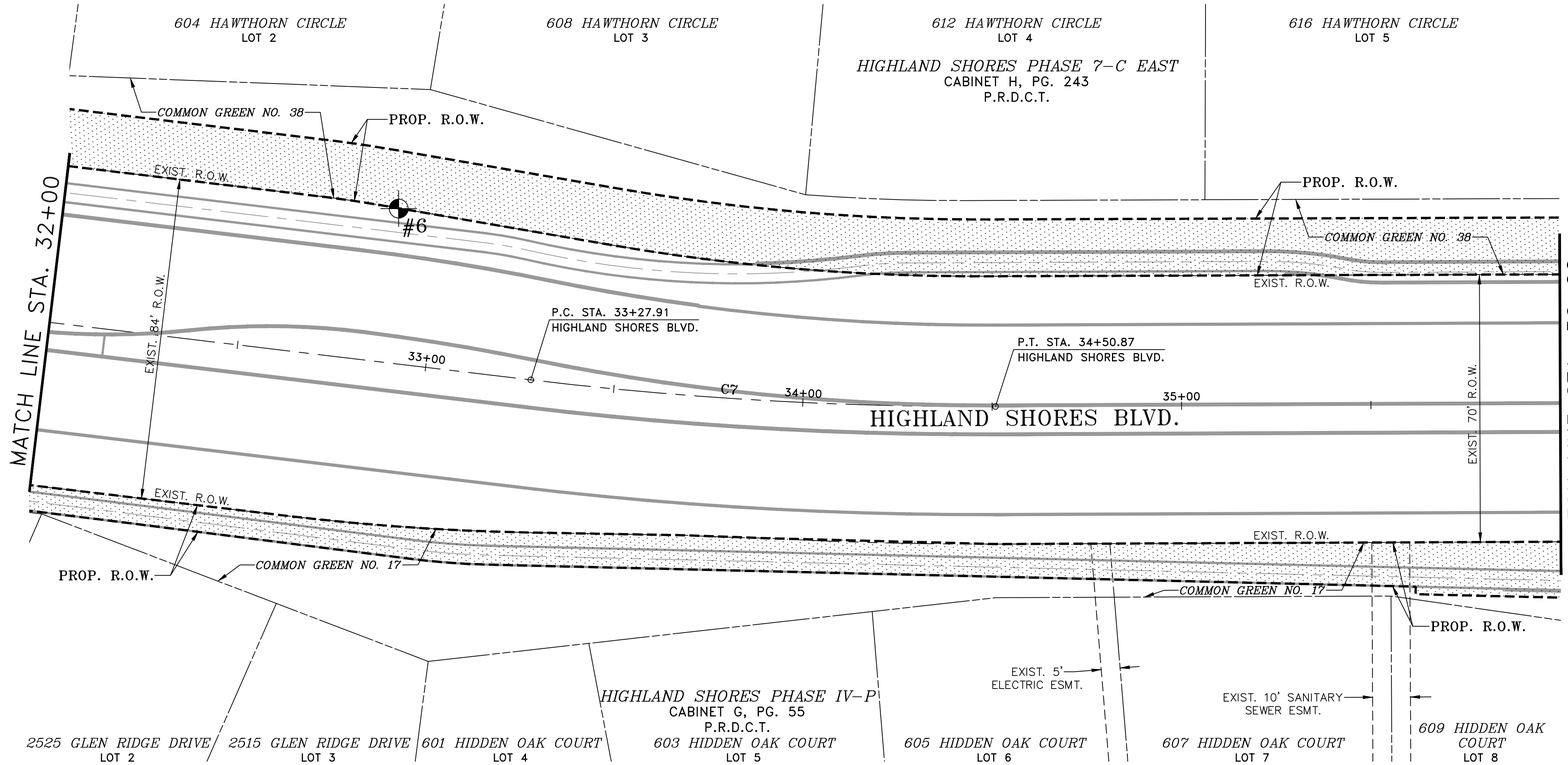
DRAWN BY: SPI

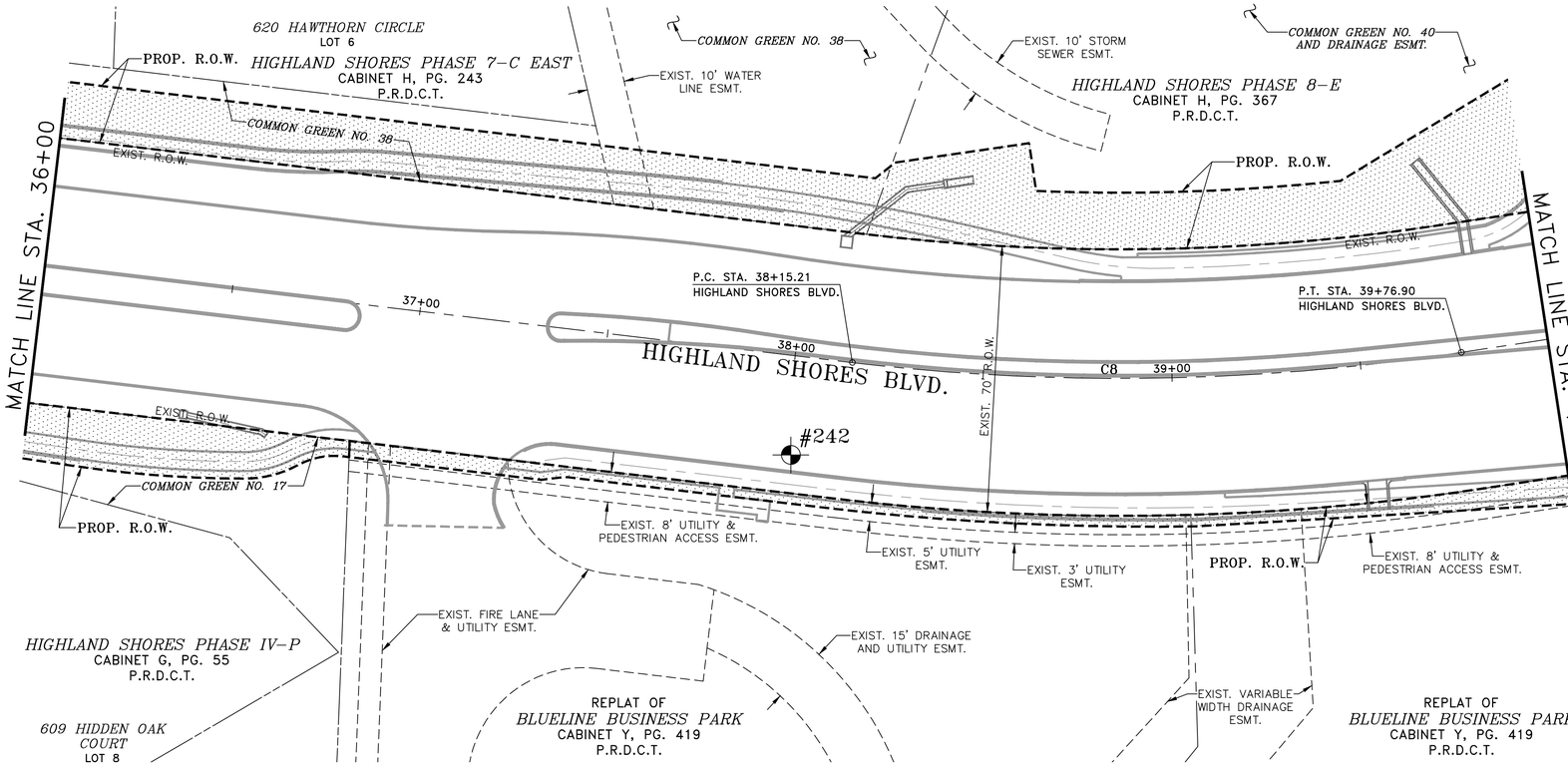
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 30

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-04





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 33+27.91	7081774.0350	2408198.0192
P.T. STA. 34+50.87	7081706.5882	2408300.7415
P.C. STA. 38+15.21	7081525.7075	2408617.0100
P.T. STA. 39+76.90	7081465.2033	2408766.4167

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
6	7081830.6120	2408190.4540	589.44	1/2" I.R. W/CAP
242	7081509.5400	2408592.4680	566.39	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C7	1000.00'	07°02'43"	122.96'	S 56°42'41" E	122.89'
C8	600.00'	15°26'22"	161.68'	S 67°57'14" E	161.19'

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 32+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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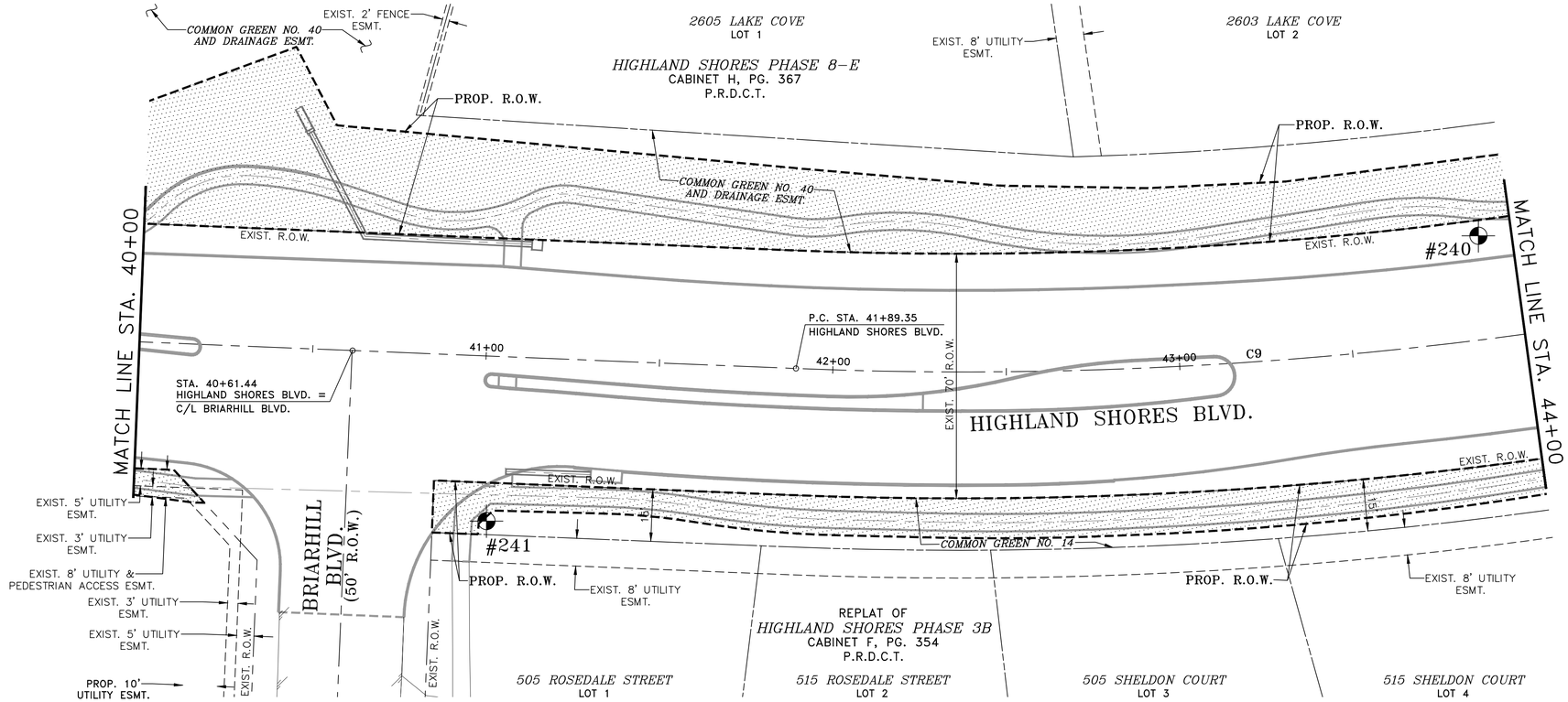
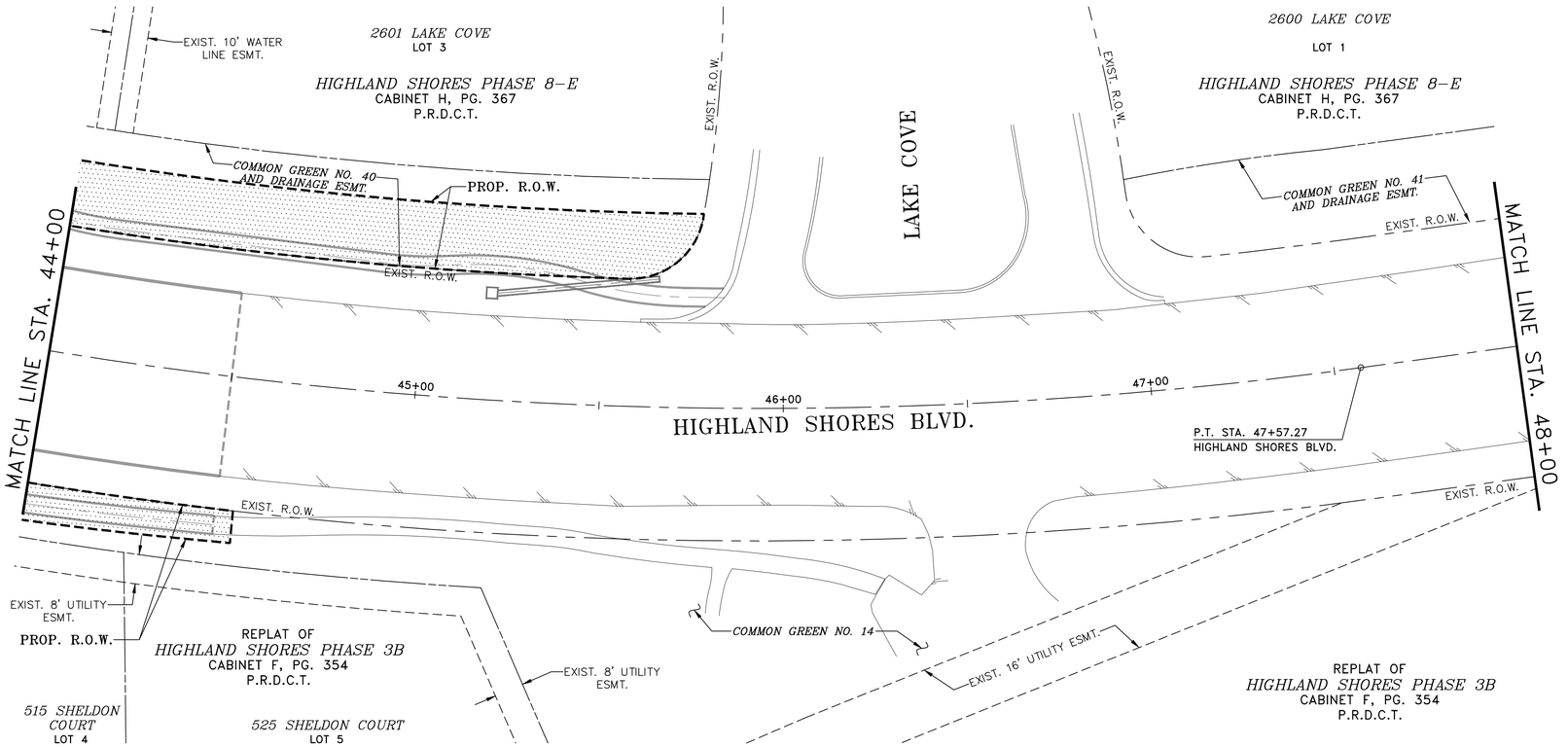
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 31

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-05





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 41+89.35	7081412.6325	2408972.2634
P.T. STA. 47+57.27	7081405.0872	2409534.8448

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
240	7081409.1790	2409172.6180	566.70	1/2" I.R. W/CAP
241	7081388.1350	2408875.8630	565.46	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C9	1200.00'	27°06'58"	567.92'	S 89°13'54" E	562.63'

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-23-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 40+00 TO STA. 48+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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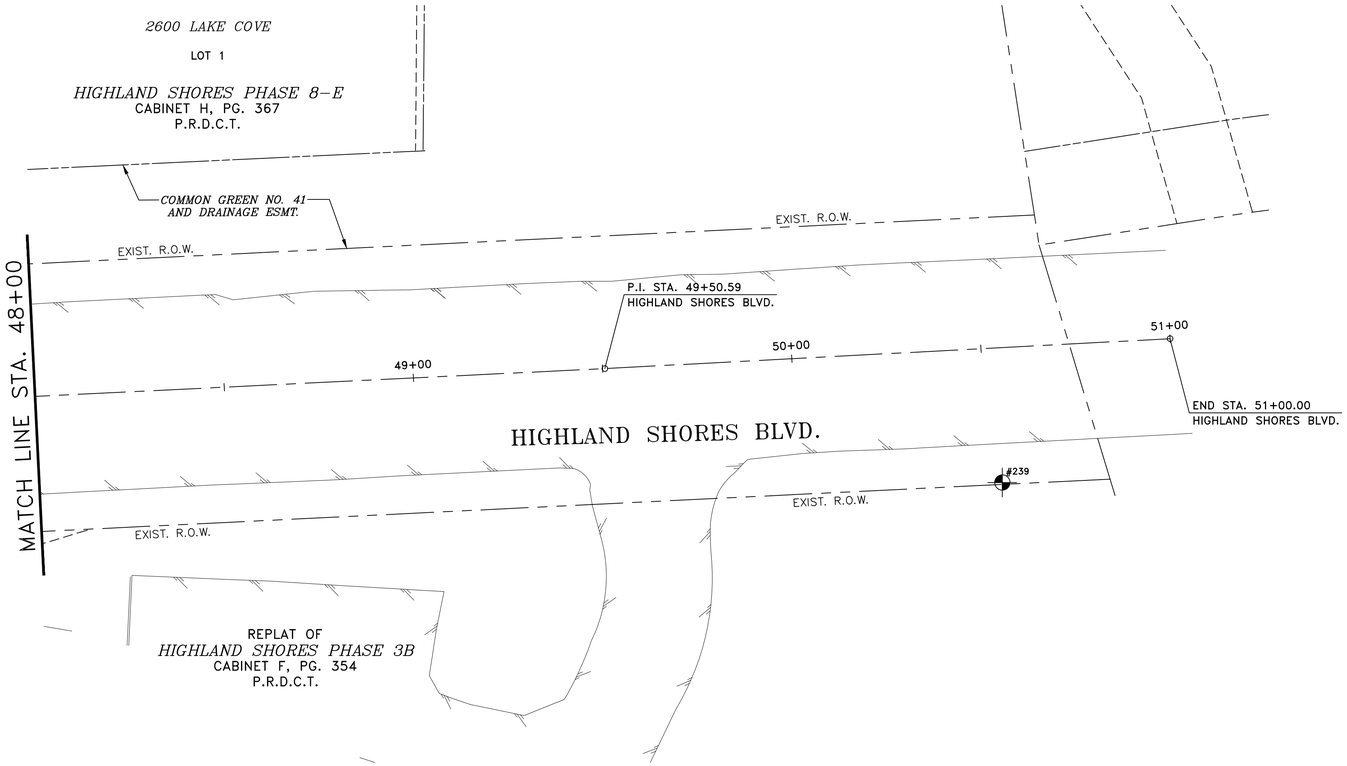
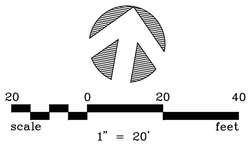
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 32

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-06





C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.I. STA. 49+50.59	7081447.9016	2409723.3677
END STA. 51+00.00	7081481.5713	2409868.9347

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
239	7081436.5060	2409831.8900	542.05	1/2" I.R. W/CAP

NOTES:

1. BASIS FOR HORIZONTAL CONTROL IS NAD 83 STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE(4202). HORIZONTAL CONTROL IS AT SURFACE USING A SCALE FACTOR OF 1.000150630 (DENTON CO.), ABOUT 0,0.
2. BASIS FOR VERTICAL CONTROL IS NAVD 88.

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED
PROFESSIONAL
ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
HORIZONTAL AND VERTICAL CONTROL PLAN
STA. 48+00 TO STA. 51+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

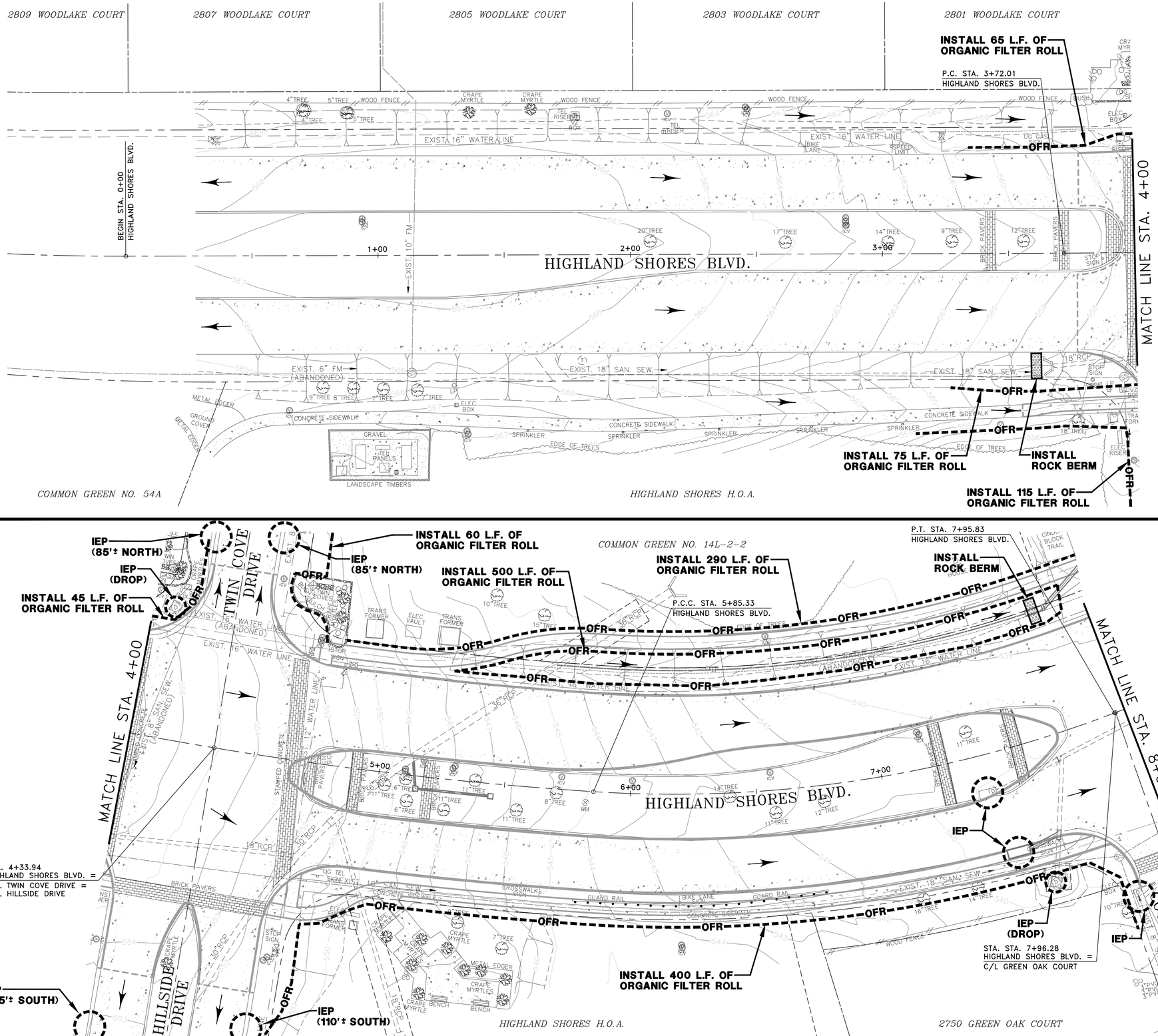
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
33

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132HORIZCONT-HSBLVD-06



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KYLE I PORT ARTHUR I TERRELL I TYLER
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 0+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

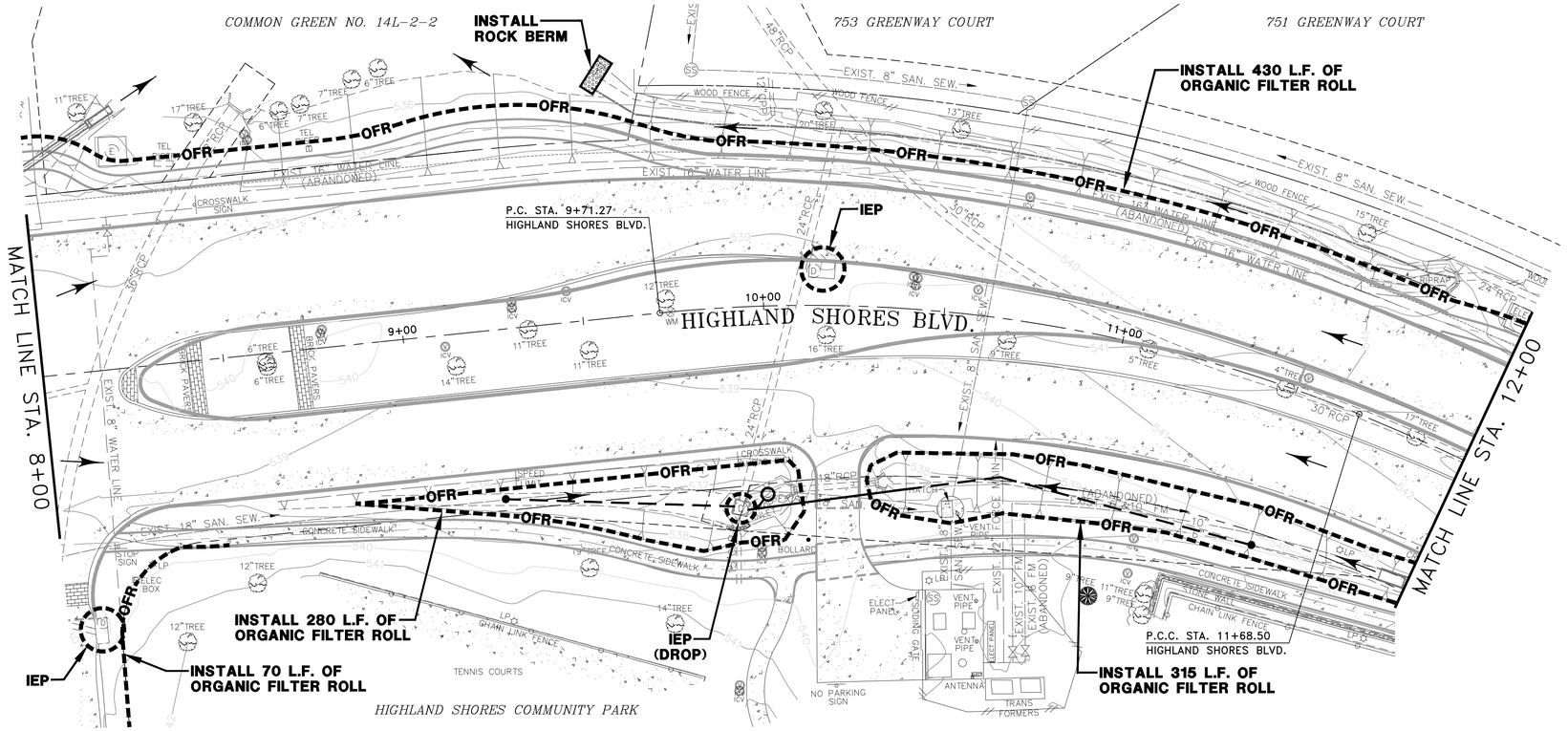
DRAWN BY: SPI

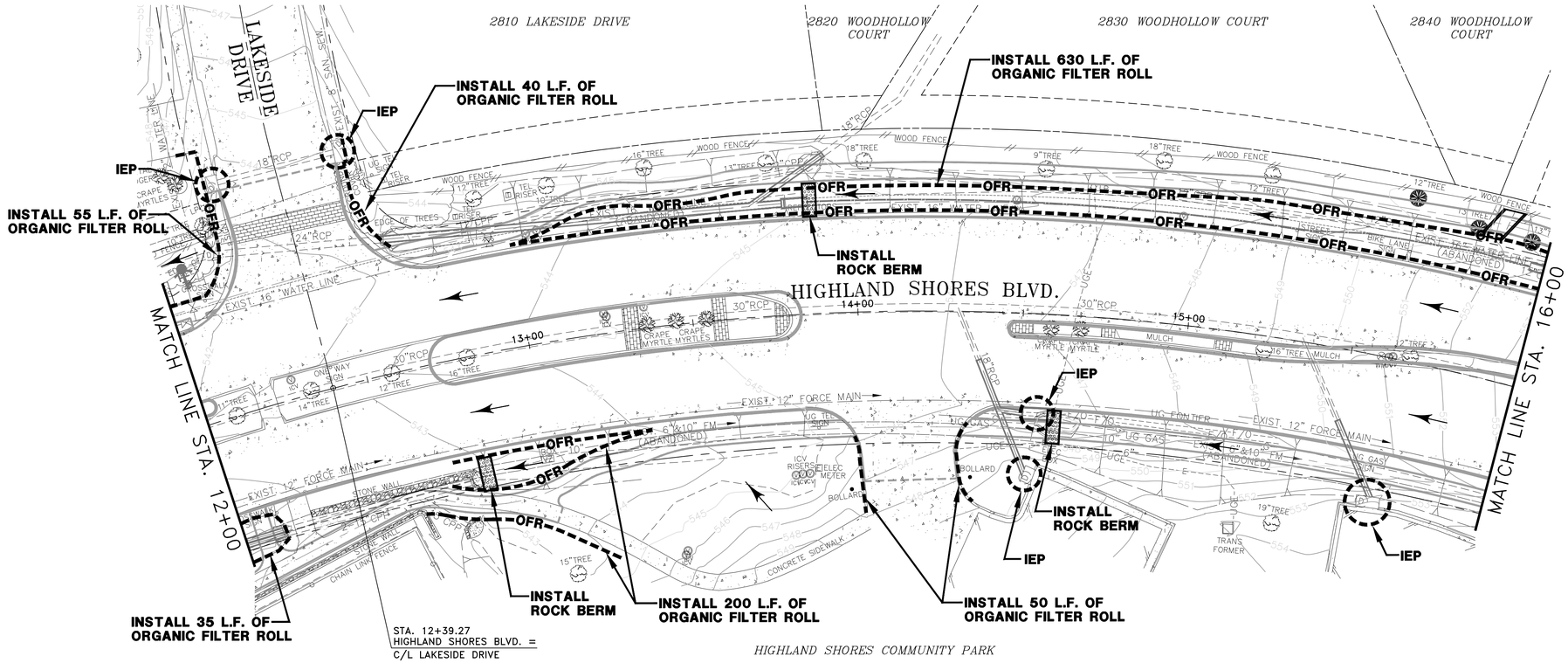
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 34

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-01





LEGEND:

IEP (DROP)	DROP INLET EROSION PROTECTION (NCTCOG STD. DRAWING 1170)
--OFR--	ORGANIC FILTER ROLL
	ROCK BERM
	FLOW DIRECTION

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Firm Registration No. F-520

STATE OF TEXAS
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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 8+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

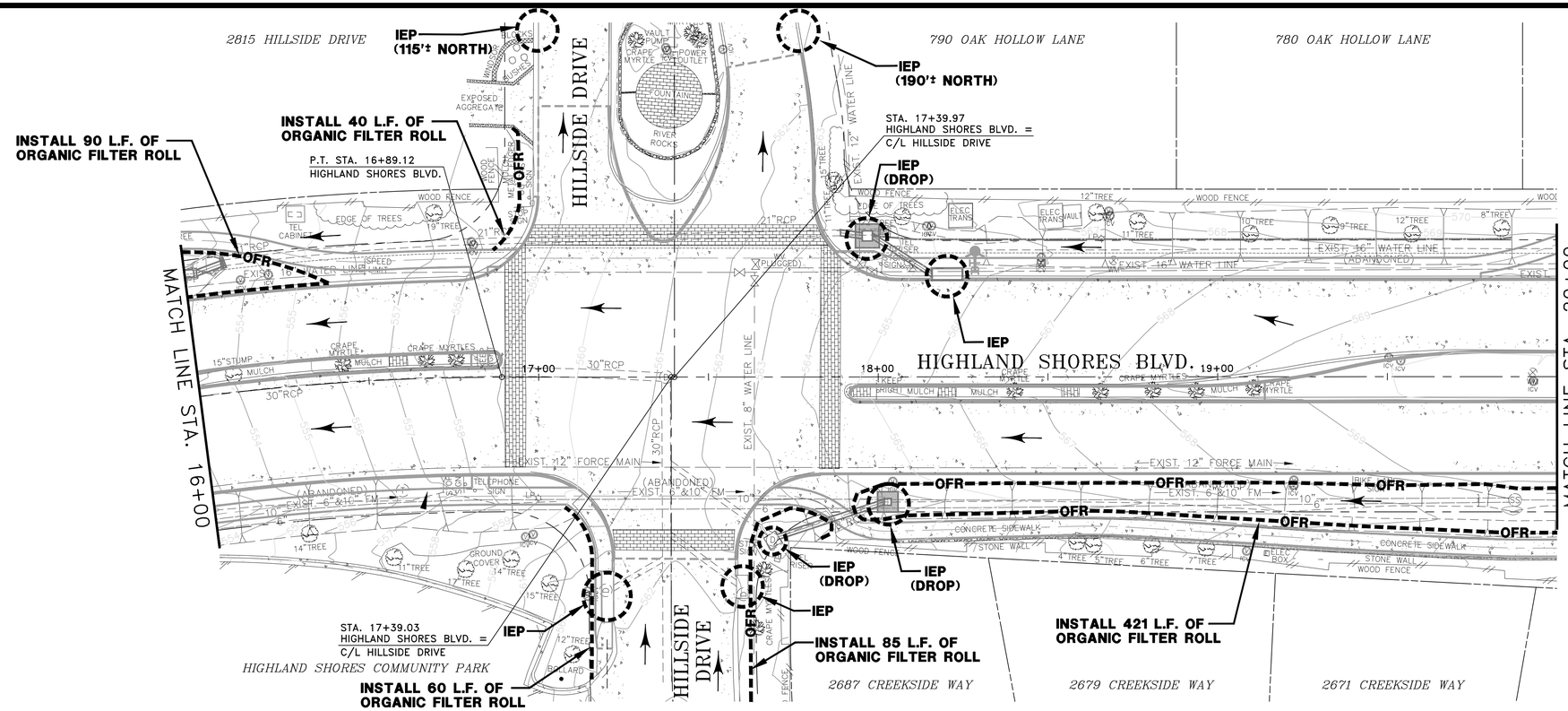
DRAWN BY: SPI

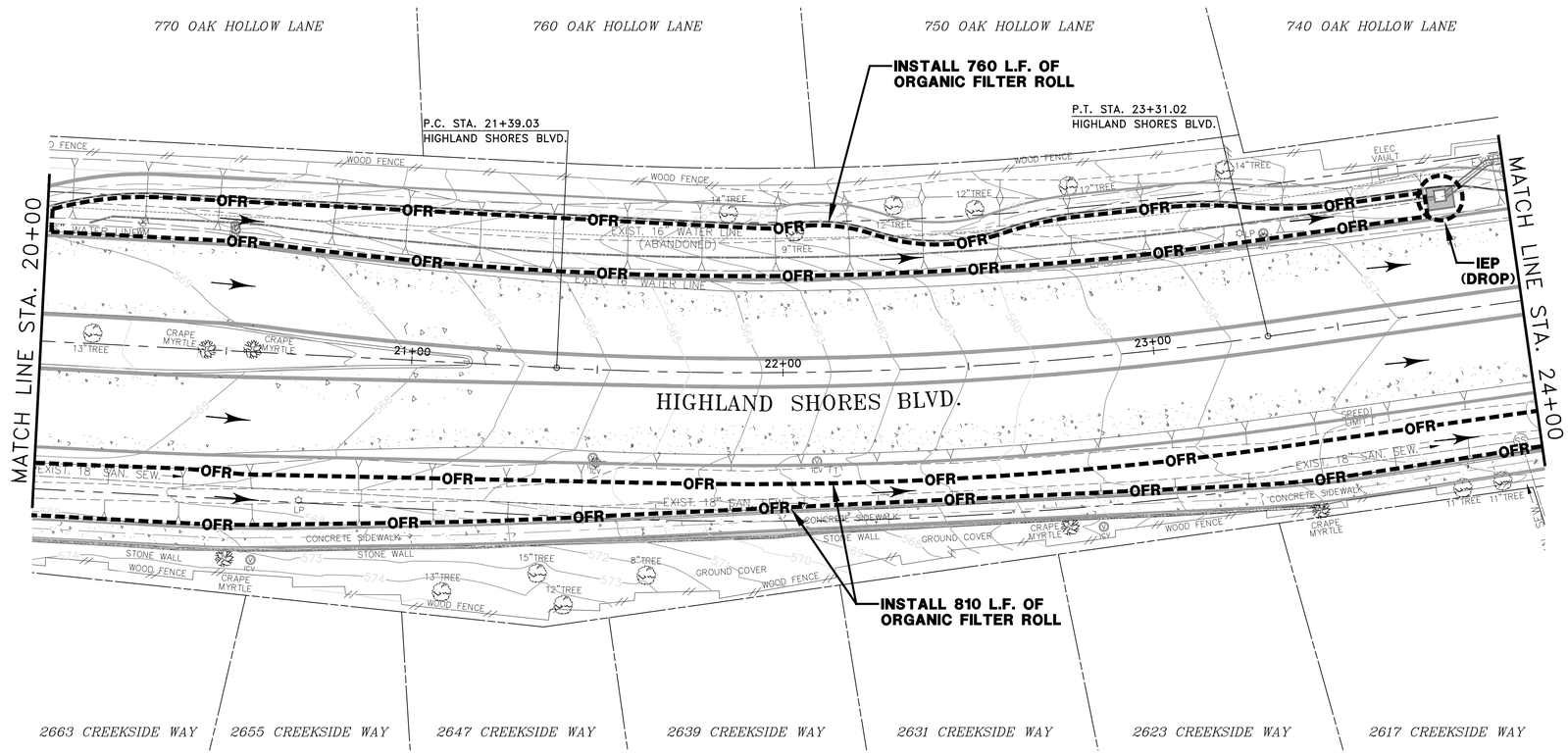
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 35

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-02





LEGEND:

IEP (DROP)	DROP INLET EROSION PROTECTION (NCTCOG STD. DRAWING 1170)
--OFR--	ORGANIC FILTER ROLL
	ROCK BERM
	FLOW DIRECTION

SPI
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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 16+00 TO STA. 24+00
CITY OF HIGHLAND VILLAGE

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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

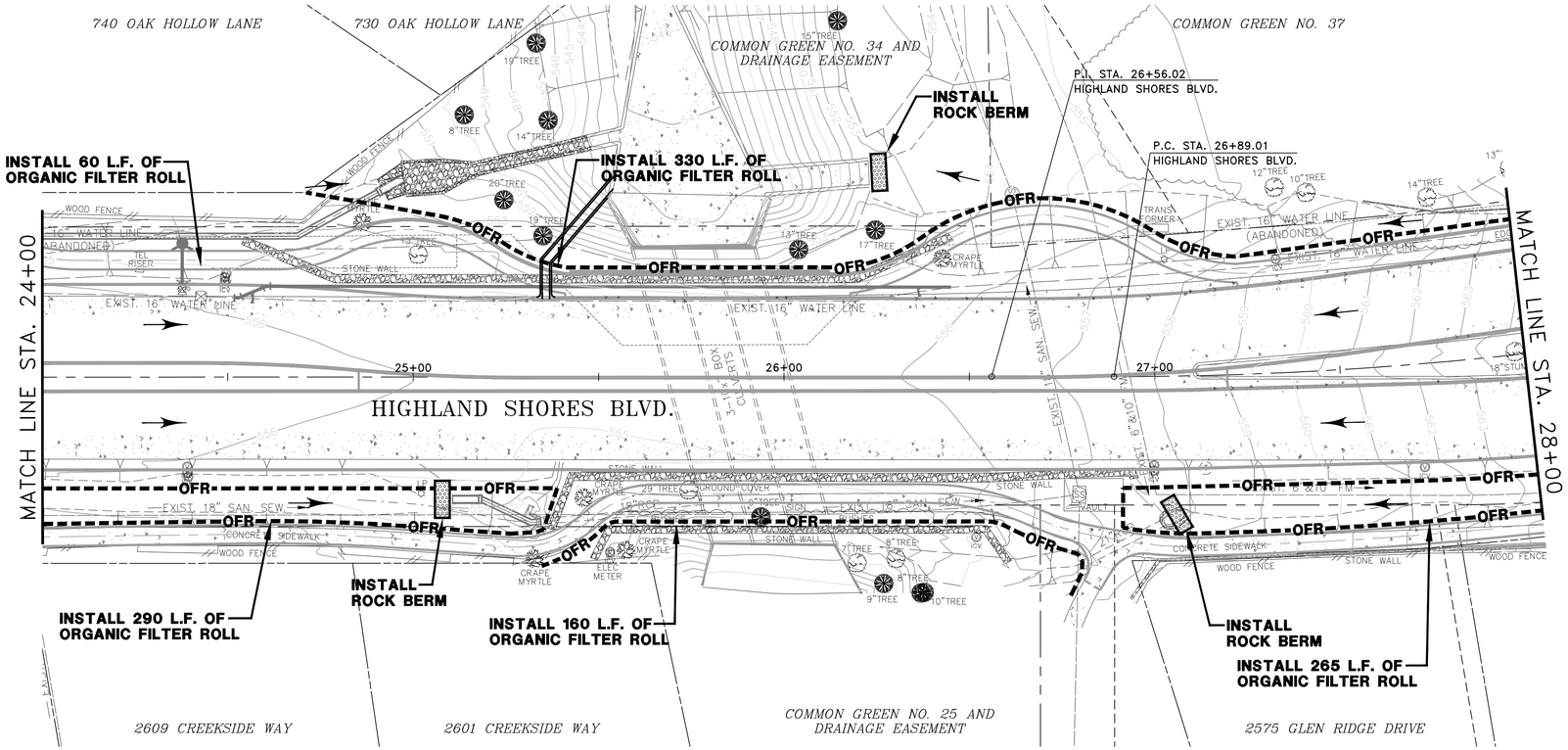
DRAWN BY: SPI

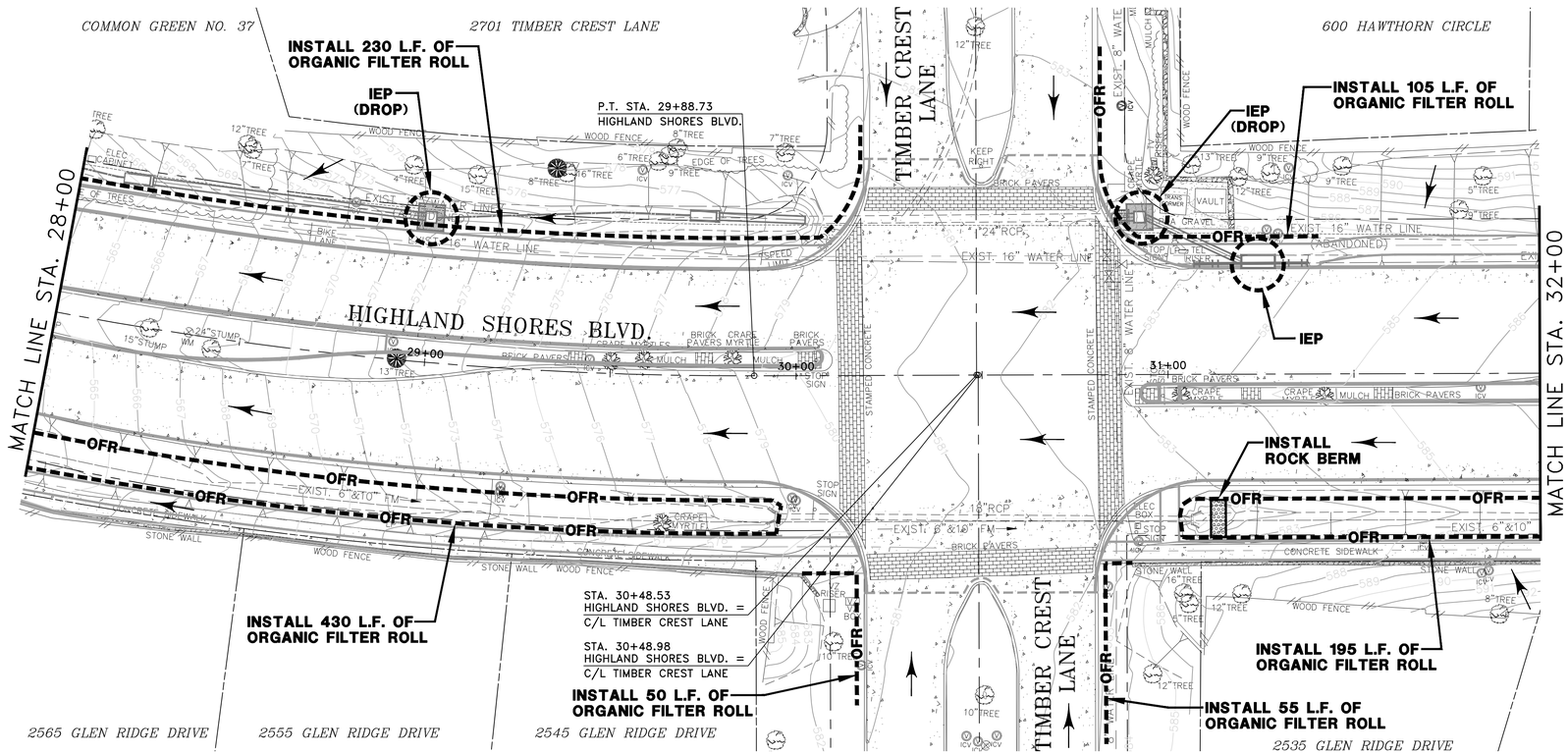
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 36

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-03





LEGEND:

IEP (DROP)	DROP INLET EROSION PROTECTION (NCTCOG STD. DRAWING 1170)
--OFR--	ORGANIC FILTER ROLL
	ROCK BERM
←	FLOW DIRECTION

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Firm Registration No. F-520

STATE OF TEXAS
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9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 24+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

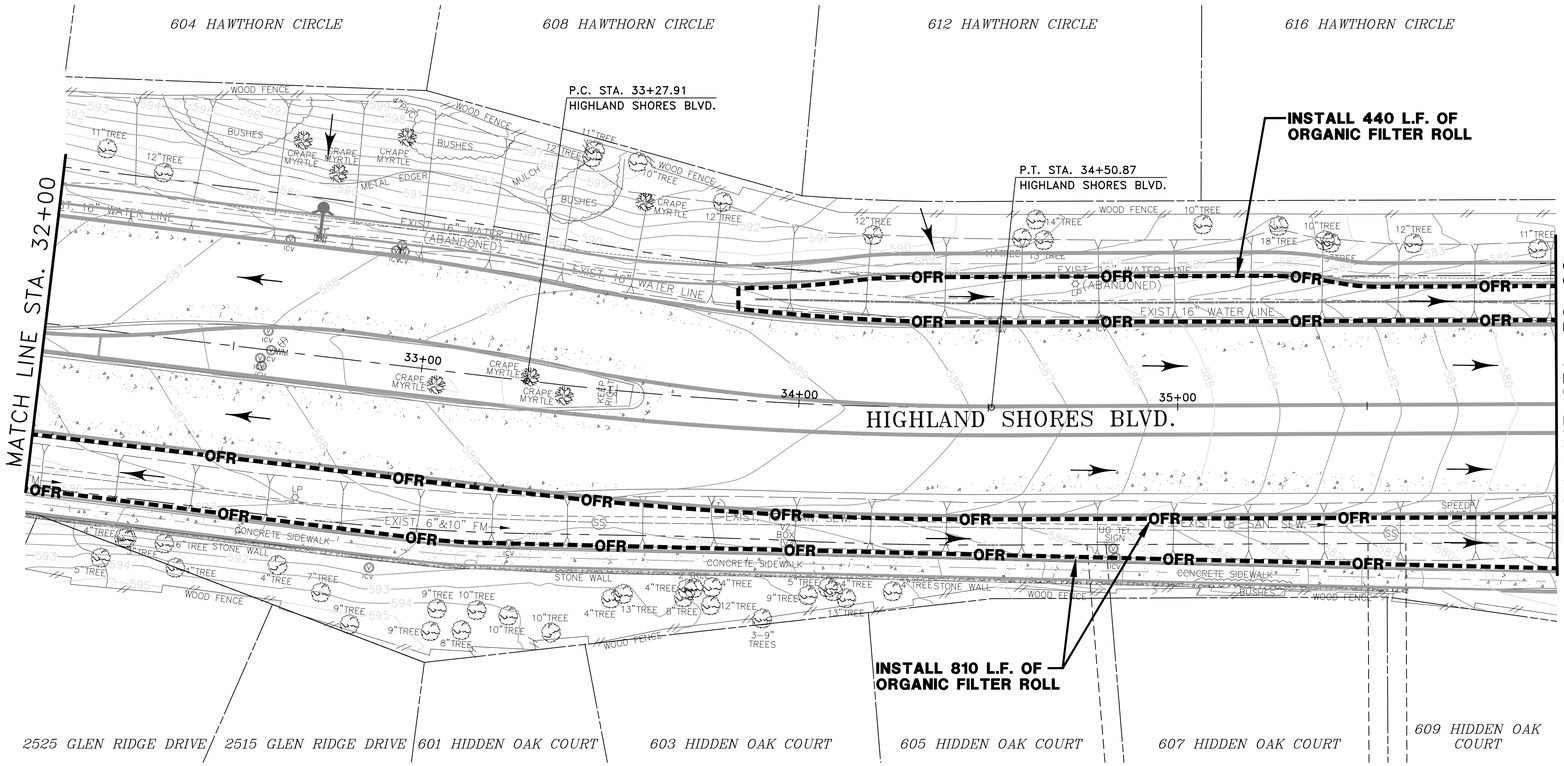
DRAWN BY: SPI

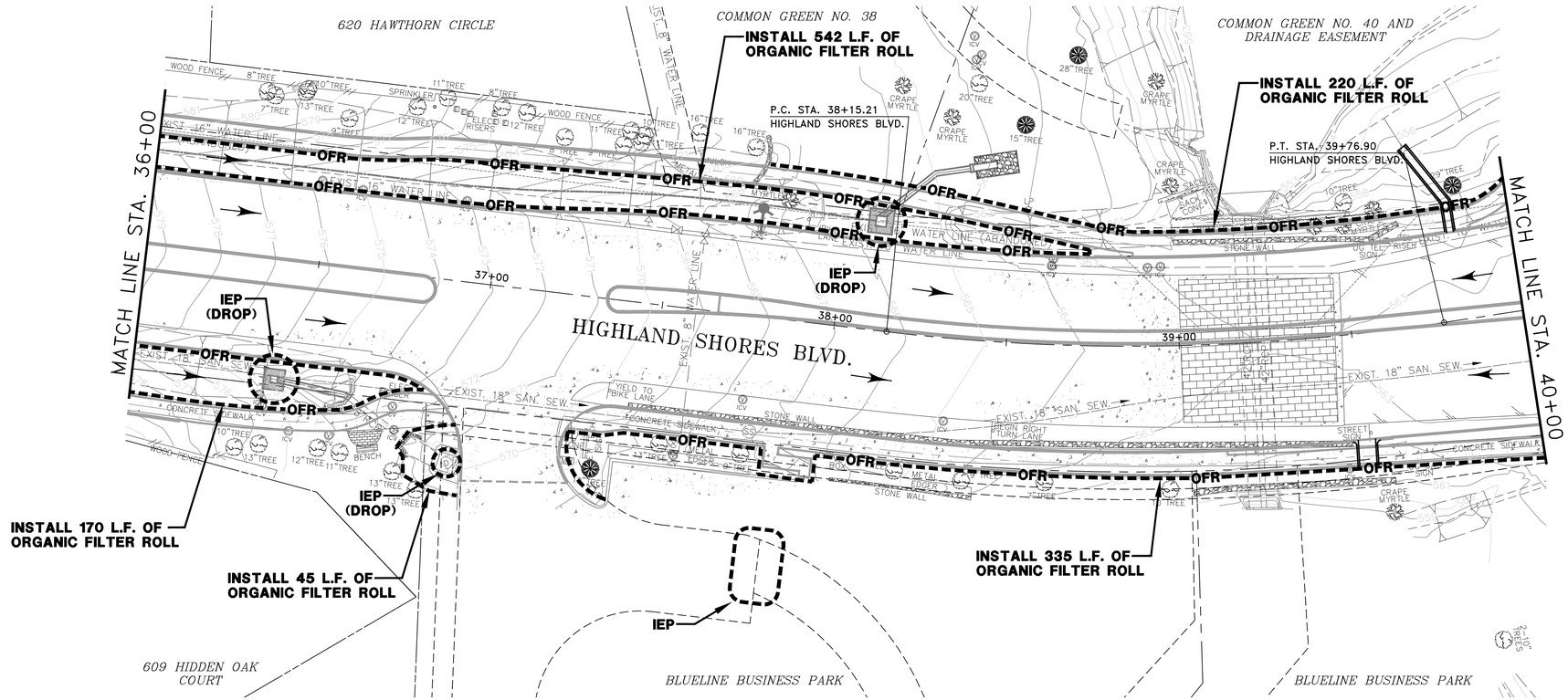
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 37

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-04





LEGEND:

IEP (DROP)	DROP INLET EROSION PROTECTION (NCTCOG STD. DRAWING 1170)
--OFR--	ORGANIC FILTER ROLL
	ROCK BERM
	FLOW DIRECTION

SPI
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED
PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 32+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

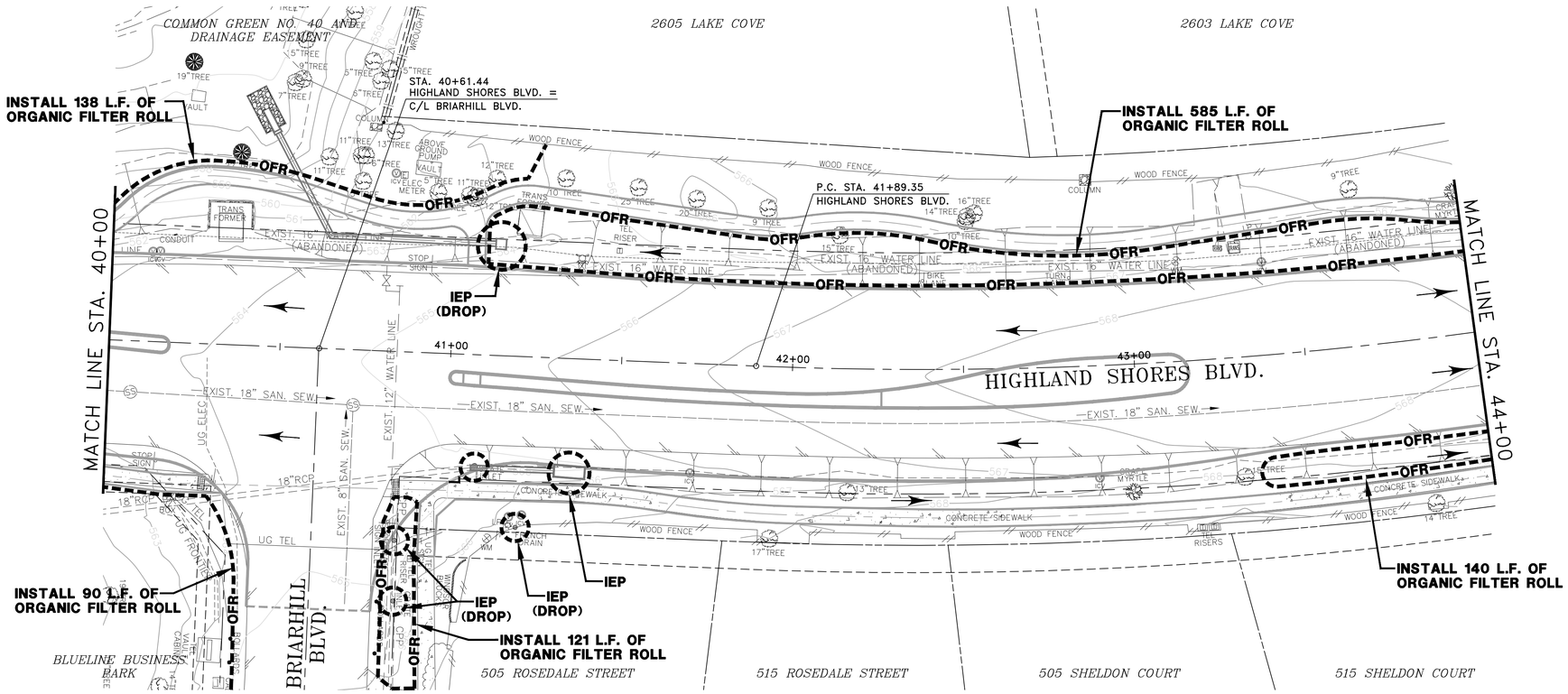
DRAWN BY:
SPI

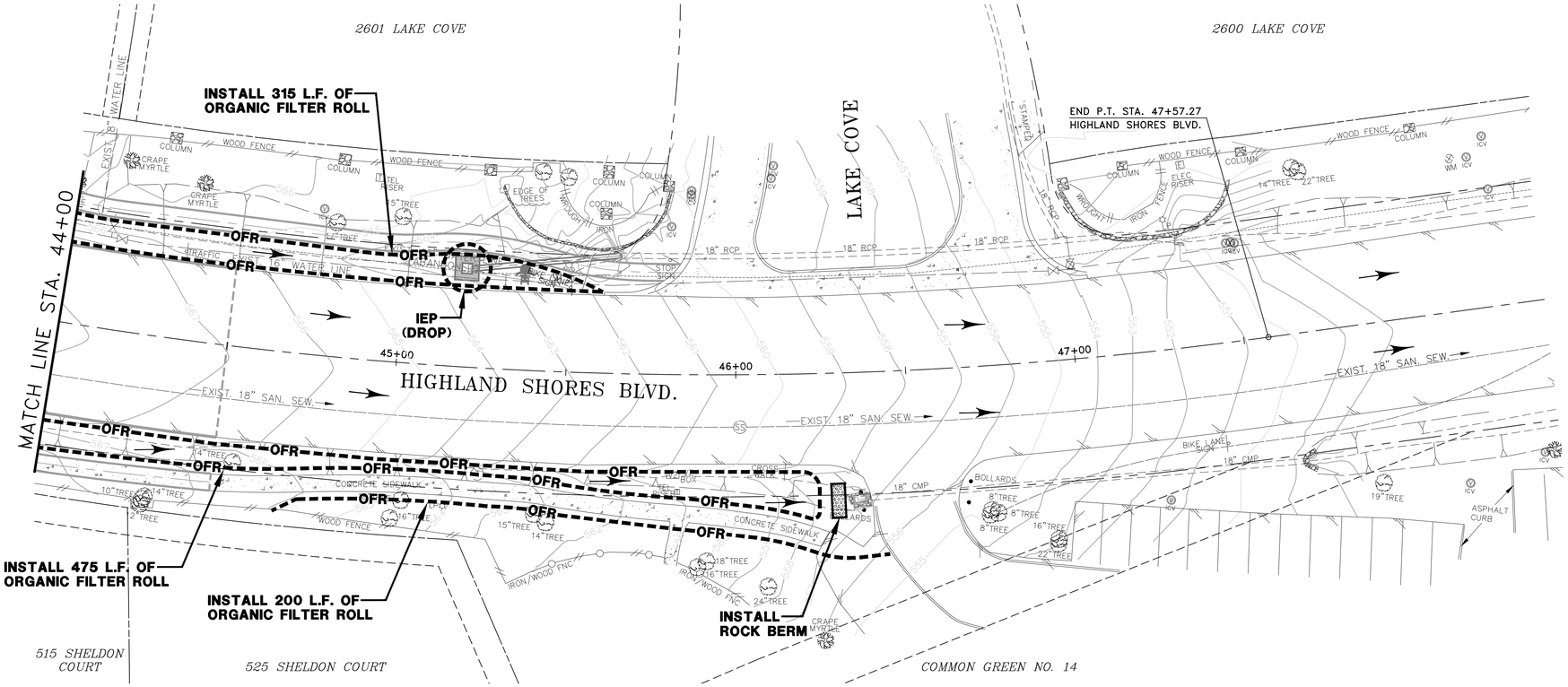
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
38

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-05





SCHAUMBURG & POLK, INC.
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KYLE I PORT ARTHUR I TERRELL I TYLER
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL PLAN
STA. 40+00 TO STA. 44+50
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

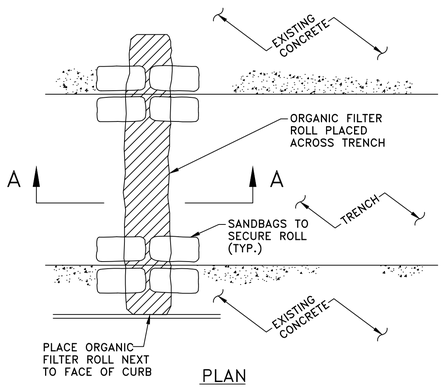
DRAWN BY: SPI

REVIEWED BY: JDW

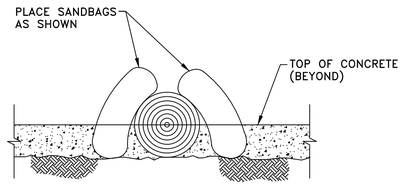
PROJECT NO: 23-2132

SHEET NO: 39

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSCONT-HSBLVD-06

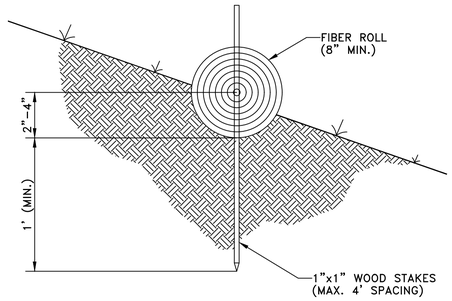


PLAN

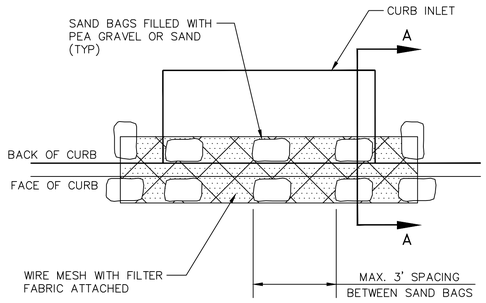


SECTION A–A

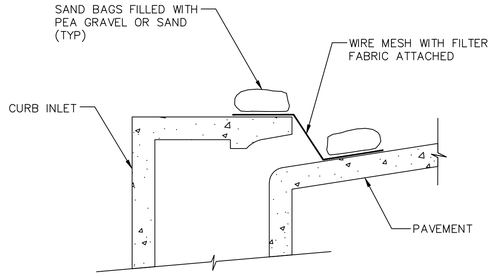
ORGANIC FILTER ROLL DETAIL
NOT TO SCALE



STAKED ORGANIC FILTER ROLL DETAIL
NOT TO SCALE



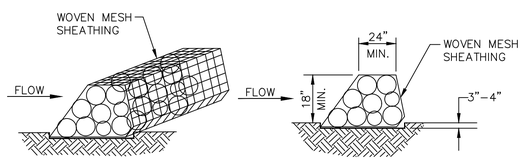
INLET EROSION PROTECTION (IEP)
NOT TO SCALE



SECTION A–A
NOT TO SCALE

INLET PROTECTION NOTES:

1. WIRE MESH PER ASTM D4632 W/OPENING NOT TO EXCEED 1".
2. FILTER FABRIC SHALL BE AS PER ASTM D4833. FILTER FABRIC TO BE SECURED TO WIRE MESH WITH WIRE OR PLASTIC CABLE TIES.
3. SAND BAGS SHALL BE POLYETHYLENE OR COTTON BURLAP FABRIC 24" TO 30" IN LENGTH AND 15" TO 18" IN WIDTH. BAGS TO BE FILLED WITH PEA GRAVEL OR COARSE GRADE SAND TO APPROXIMATELY 40 POUNDS.



ROCK BERM DETAIL
NOT TO SCALE

EROSION CONTROL NOTES:

1. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
2. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND SWPPP FOR THE PROJECT. CHANGES ARE TO BE CONVEYED BEFORE CONSTRUCTION TO THE DESIGN ENGINEER AND CITY OF HIGHLAND VILLAGE.
3. IF THE EROSION CONTROL PLANS AND SWPPP AS APPROVED CANNOT CONTROL EROSION AND OFF–SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN AND/OR SWPPP IS REQUIRED TO BE REVISED AND ANY CHANGES REPORTED TO TCEQ IF APPLICABLE.
4. IF OFF–SITE SOIL BORROW OR SPOIL SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFF–SITE BORROW AND SPOIL AREAS ARE CONSIDERED A PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH THE CITY OF HIGHLAND VILLAGE'S EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
5. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND AFTER ALL MAJOR RAIN EVENTS, OR AS DICTATED IN THE PROJECT SWPPP.
6. ALL NON–IMPERVIOUS AREAS AFTER CONSTRUCTION SHALL BE COVERED WITH SOD IN ACCORDANCE WITH THE GENERAL NOTES ON SHEET 2. ALL OTHER DISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE, AS THE ENTITY EXERCISING OPERATIONAL CONTROL, FOR ALL PERMITTING AS REQUIRED BY THE EPA/TCEQ. THIS INCLUDES, BUT IS NOT LIMITED TO, PREPARATION OF THE SWPPP, PREPARATION OF A C.S.N., N.O.I., AND N.O.T., AND PAYMENT OF ALL ASSOCIATED FEES.
8. EROSION CONTROL DEVICES SHOWN ARE TYPICAL FOR A CONSTRUCTION PHASE. CONTRACTOR WILL BE REQUIRED TO RELOCATE EROSION DEVICES TO ACCOMMODATE EACH PHASE OF CONSTRUCTION OR PER REQUIREMENTS OF THE TCEQ NPDES CONSTRUCTION PERMIT. ADDITIONAL EROSION CONTROL DEVICES MAY ALSO BE REQUIRED IN OTHER LOCATIONS IN ORDER TO ADDRESS SPECIFIC EROSION CONCERNS THAT MAY DEVELOP AFTER CONSTRUCTION BEGINS.
9. ORGANIC FILTER ROLLS ARE TO BE SECURED WITH SAND BAGS OR WOOD STAKES WITHIN DAILY CONSTRUCTION LIMITS AND SHALL BE MOVED TO CONSTRUCTION AREAS AS NEEDED (IMMEDIATELY DOWNSTREAM FROM CONSTRUCTION ACTIVITIES) THROUGHOUT THE PROJECT.
10. THE CONTRACTOR SHALL PERIODICALLY CLEAN EROSION CONTROL DEVICES OF SEDIMENT & DEBRIS.
11. STABILIZED CONSTRUCTION ENTRANCE SHALL BE USED AS A VEHICLE WASH DOWN AREA FOR DEBRIS AND SOIL REMOVAL PRIOR TO EXITING THE SITE. THIS STABILIZED ENTRANCE SHALL BE TOP DRESSED WITH ADDITIONAL STONE AS NECESSARY. LOCATION OF STABILIZED ENTRANCE MAY BE MODIFIED BY CITY OF HIGHLAND VILLAGE AND THE DESIGN ENGINEER.

EROSION CONTROL FOR CONSTRUCTION RELATED ACTIVITIES:

Earthworks

1. Keep excavated soil on the site where it is the least likely to collect in the street.
2. Use organic filter rolls, silt fences or other control measures to prevent the flow of silt off the site. Controls must be effective and maintained.
3. Never schedule earthmoving activities when rain is forecast. If grading activities must be conducted during wet weather, implement effective control measures to prevent erosion.

Paving/Asphalt Work

4. Always protect storm drain inlets and manholes when paving or applying cement stabilization, tack coat, or prime coat.
5. Protect gutters, ditches and drainage courses with effective controls.Provide filtration and overflow to prevent flooding of streets. Check all controls before and after heavy rain events.
6. Do not use water to wash down fresh asphalt or concrete pavement.

Vehicle and Equipment Care

7. Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made and repair leaks promptly.
8. On–site fueling should only be performed in a bermed area or over a drip pan that is big enough to prevent runoff.
9. If you must clean vehicles or equipment on–site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks. Do not use soaps, solvents, de–greasers, steam cleaning equipment, etc.
10. Do not store oil or other chemicals near storm drains or drainage paths.

Materials Storage and Spill Cleanup

(Non–hazardous materials management)

11. Sand, dirt and similar material should be stored at least 10 feet from catch basins or storm drains, and covered with a tarp when rain or high winds is forecast.
12. Use (but don't overuse) water for dust control.
13. Sweep streets and other paved areas. Do not wash down with water!

(Spill prevention and control)

14. Keep an adequate supply of spill cleanup materials (rags, absorbents, etc.) available at all times.
15. When spills or leaks occur, surround, contain and remove them immediately, being particularly careful to prevent them from reaching the gutter, street or storm drains. Never wash spilled material into a gutter, street, storm drain or Creek!
16. Report any hazardous materials spills immediately!

Saw Cutting

17. Always effectively protect storm drain inlets when saw cutting. Use organic filter rolls, sandbags, gravel dams or other effective controls to keep slurry out of the storm drain system.
18. Shovel, absorb or vacuum saw cut slurry and pick up all waste as soon as you are finished in an area at the end of each workday.
19. Store concrete grout and mortar under cover and away from drainage areas.
20. Wash concrete equipment/trucks at an appropriate off–site location or designate an on site area for washout (water must be contained). Wash water can never reach the street, storm drain or freshwater freshwater sources such as creeks or streams. Prevent rainwater from reaching fresh concrete washout areas.

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
EROSION CONTROL NOTES AND DETAILS
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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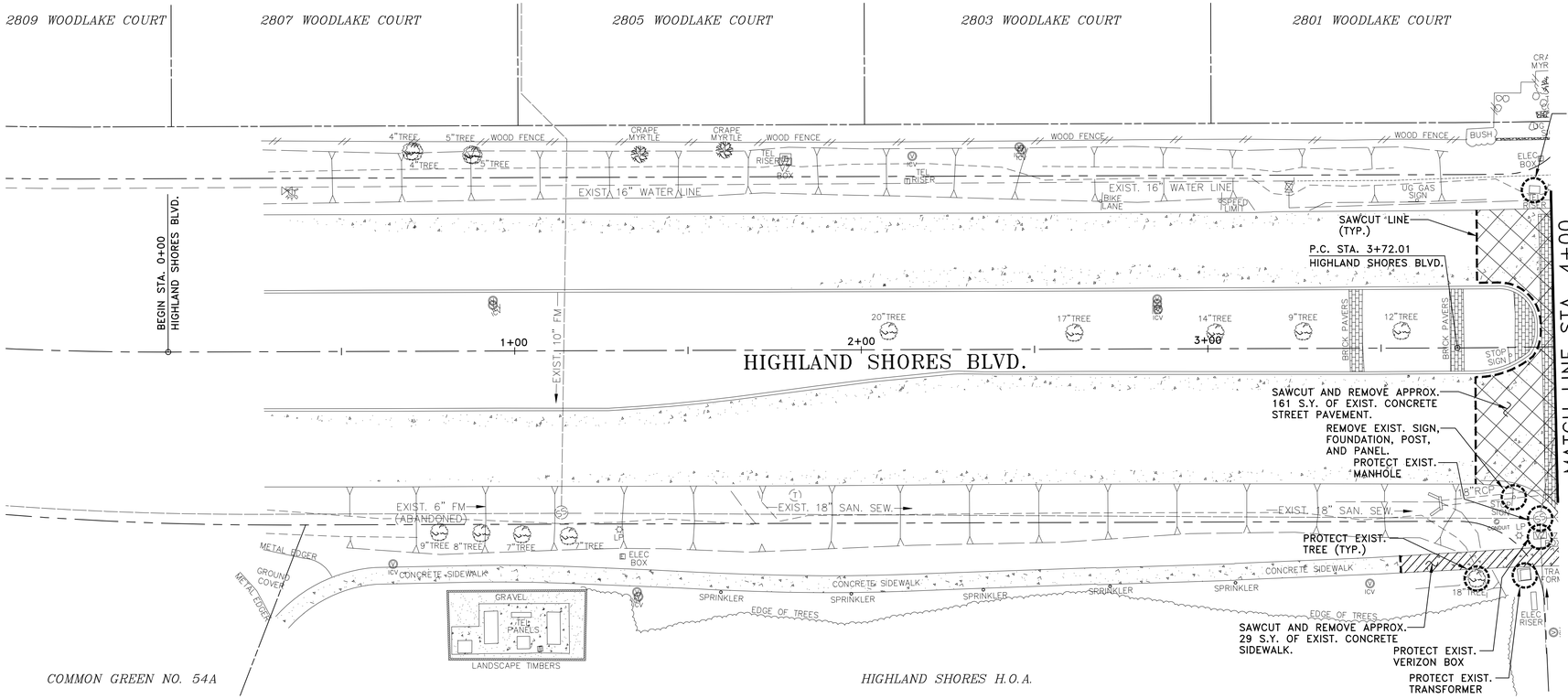
SCALE: NOT TO SCALE
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 40

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132EROSDET



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scale
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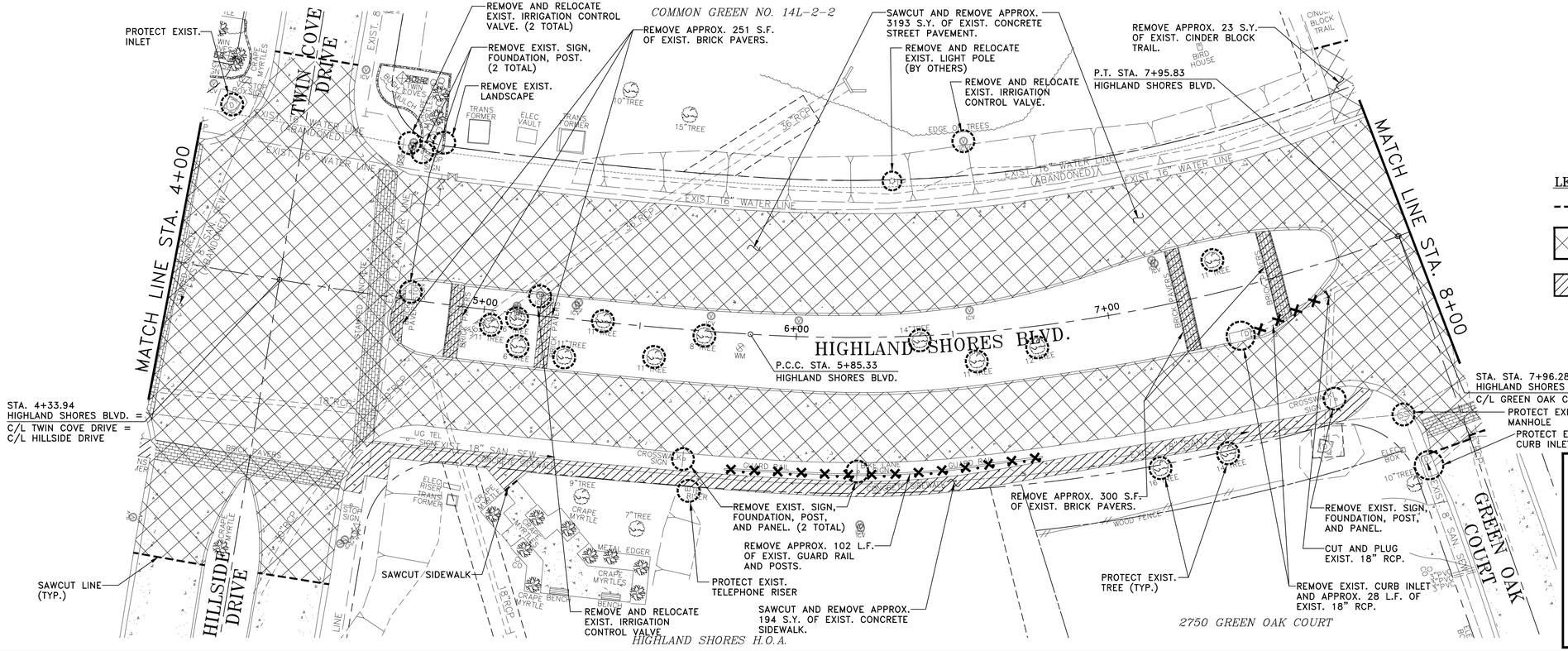
feet

NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN DEVICES FOR THE EXIST. DRAINAGE STRUCTURES MUST BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
2. CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS APPROVED BY CITY.
3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
4. ALL STATIONING AND DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
5. EXISTING IRRIGATION MAIN LINE LOCATIONS AND DEPTHS ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH THE CITY AND HIGHLAND SHORES IRRIGATION MAINTENANCE FIRM PRIOR TO CONSTRUCTION. CONTRACTOR, CITY AND IRRIGATION MAINTENANCE SHALL IDENTIFY AND MARK IRRIGATION ELEMENTS TO BE ABANDONED AS PART OF THE PROJECT.

   CONTACT:
   MARIO'S LAWN SERVICE
   940-783-5891
   mls2020.office@gmail.com

6. EXISTING IRRIGATION MAIN LINES NOT BEING ABANDONED ARE TO BE PROTECTED AND REMAIN IN SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING IRRIGATION ELEMENTS DAMAGED BY CONSTRUCTION EFFORTS THAT WERE NOT IDENTIFIED BY THE CITY/IRRIGATION MAINTENANCE FIRM TO BE ABANDONED.
7. CONTRACTOR SHALL REMOVE EXISTING LANDSCAPE WALL AND RETURN ITEMS TO THE HOMEOWNERS ASSOCIATION.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.



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scale
1" = 20'
feet

LEGEND:

- SAWCUT LINE
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- × EXISTING TO BE REMOVED

!!!CAUTION!!!
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PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 0+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

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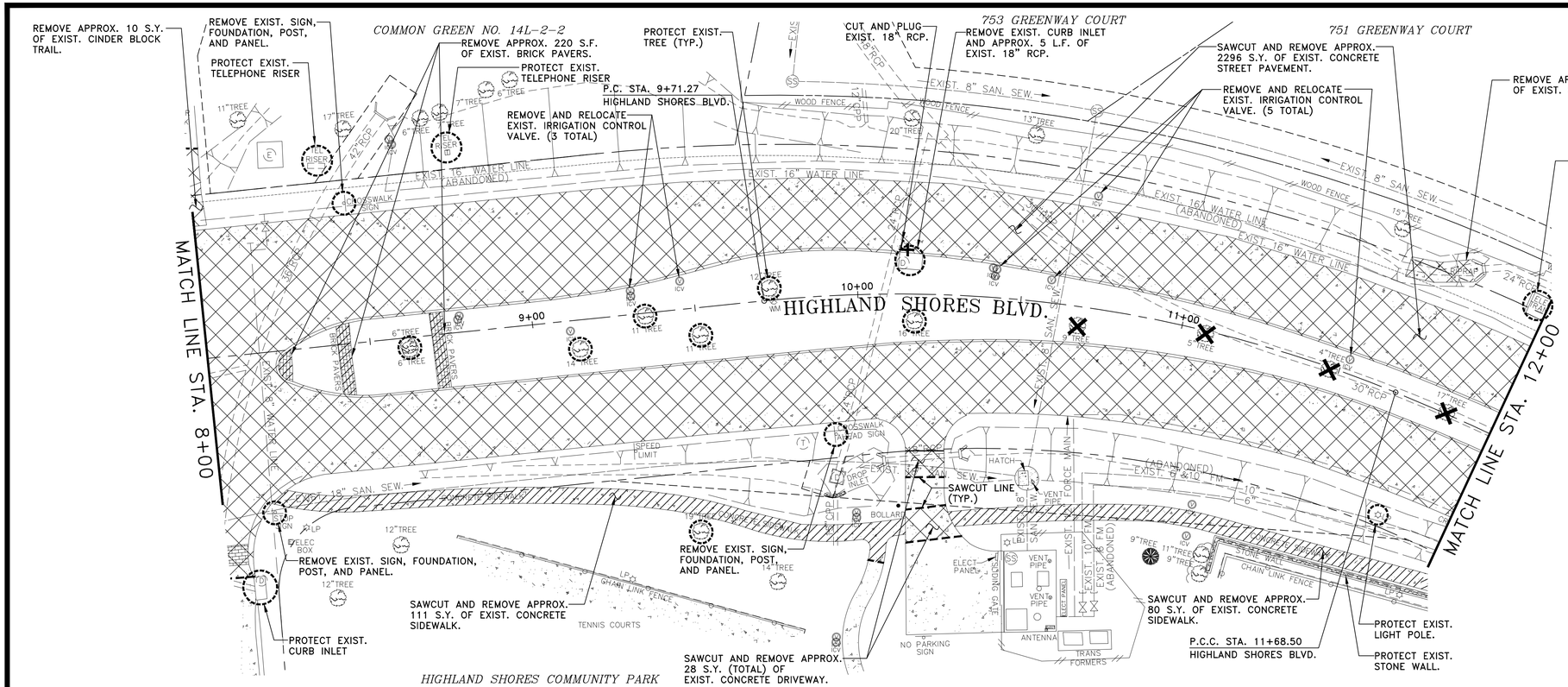
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 41

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-01



NOTES:

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2. CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS APPROVED BY CITY.
3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
4. ALL STATIONING AND DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
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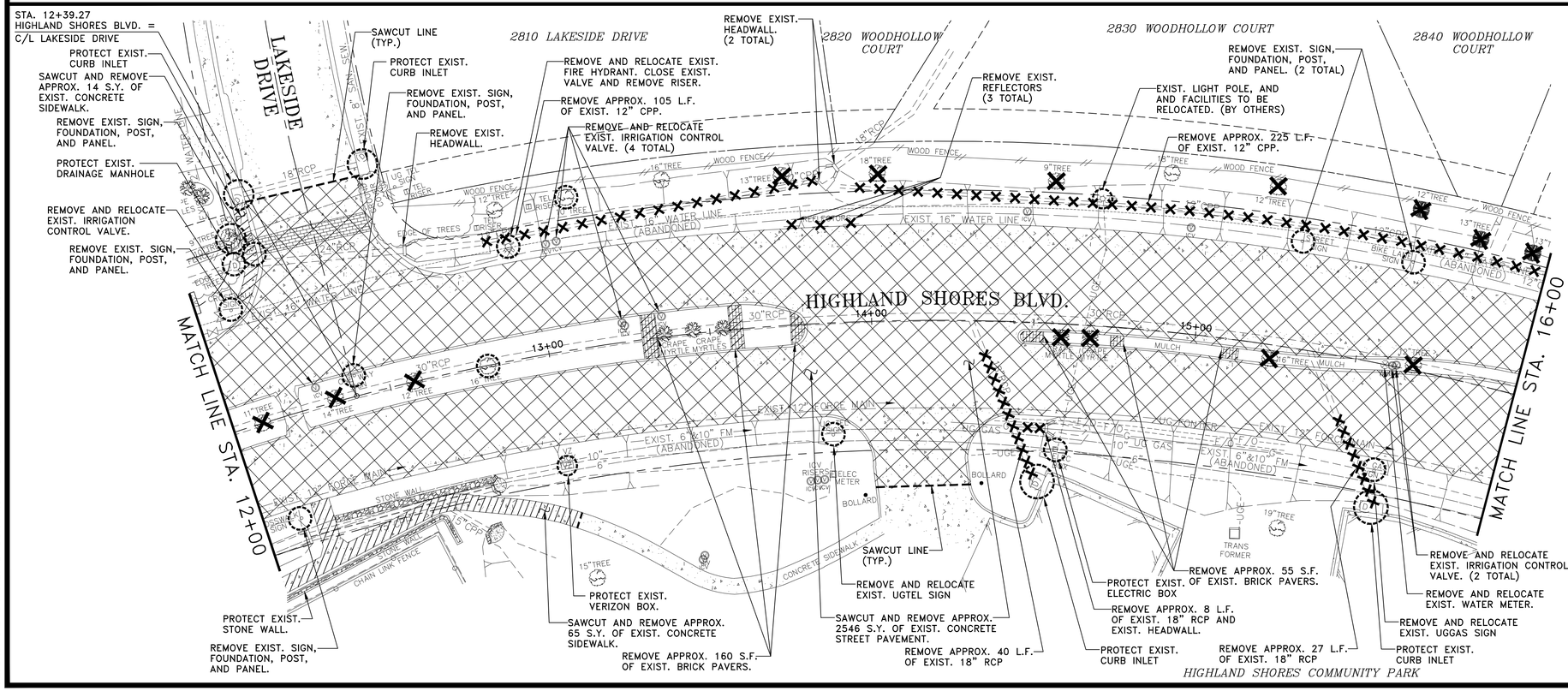
   CONTACT:
   MARIO'S LAWN SERVICE
   940-783-5891
   mls2020.office@gmail.com
6. EXISTING IRRIGATION MAIN LINES NOT BEING ABANDONED ARE TO BE PROTECTED AND REMAIN IN SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING IRRIGATION ELEMENTS DAMAGED BY CONSTRUCTION EFFORTS THAT WERE NOT IDENTIFIED BY THE CITY/IRRIGATION MAINTENANCE FIRM TO BE ABANDONED.
7. CONTRACTOR SHALL REMOVE EXISTING FIRE HYDRANT, STORE, AND REINSTALL FIRE HYDRANT IN NEW LOCATION.
8. CONTRACTOR SHALL COORDINATE TEMPORARY DRIVEWAY CLOSURE WITH CITY AND HOMEOWNERS ASSOCIATION AT LEAST 48 HOURS IN ADVANCED OF RESTRICTING DRIVEWAY ACCESS.
9. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.



LEGEND:

- SAWCUT LINE
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- EXISTING TO BE REMOVED

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-9-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 8+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

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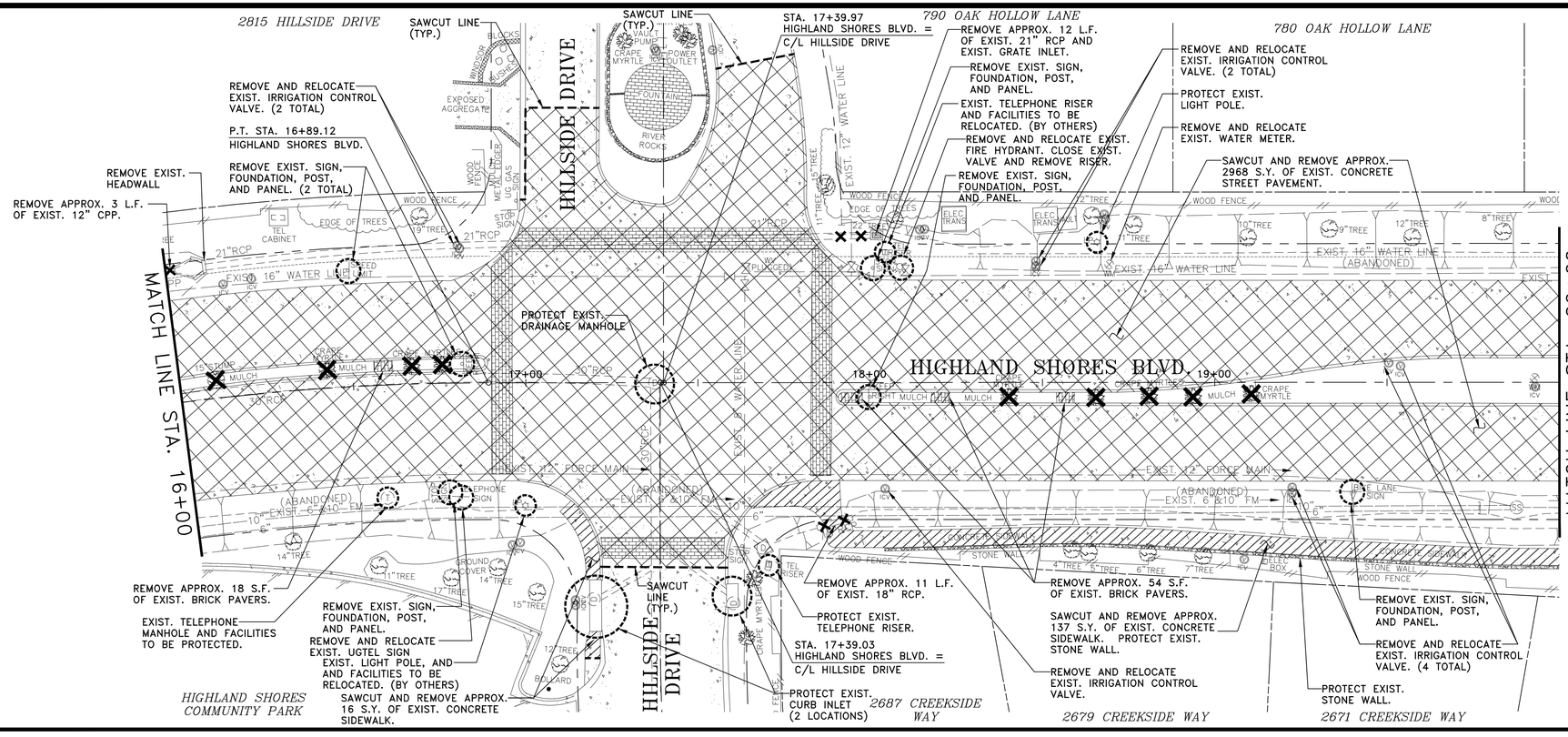
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 42

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-02



NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN DEVICES FOR THE EXIST. DRAINAGE STRUCTURES MUST BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
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3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
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   CONTACT:
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   940-783-5891
   mls2020.office@gmail.com
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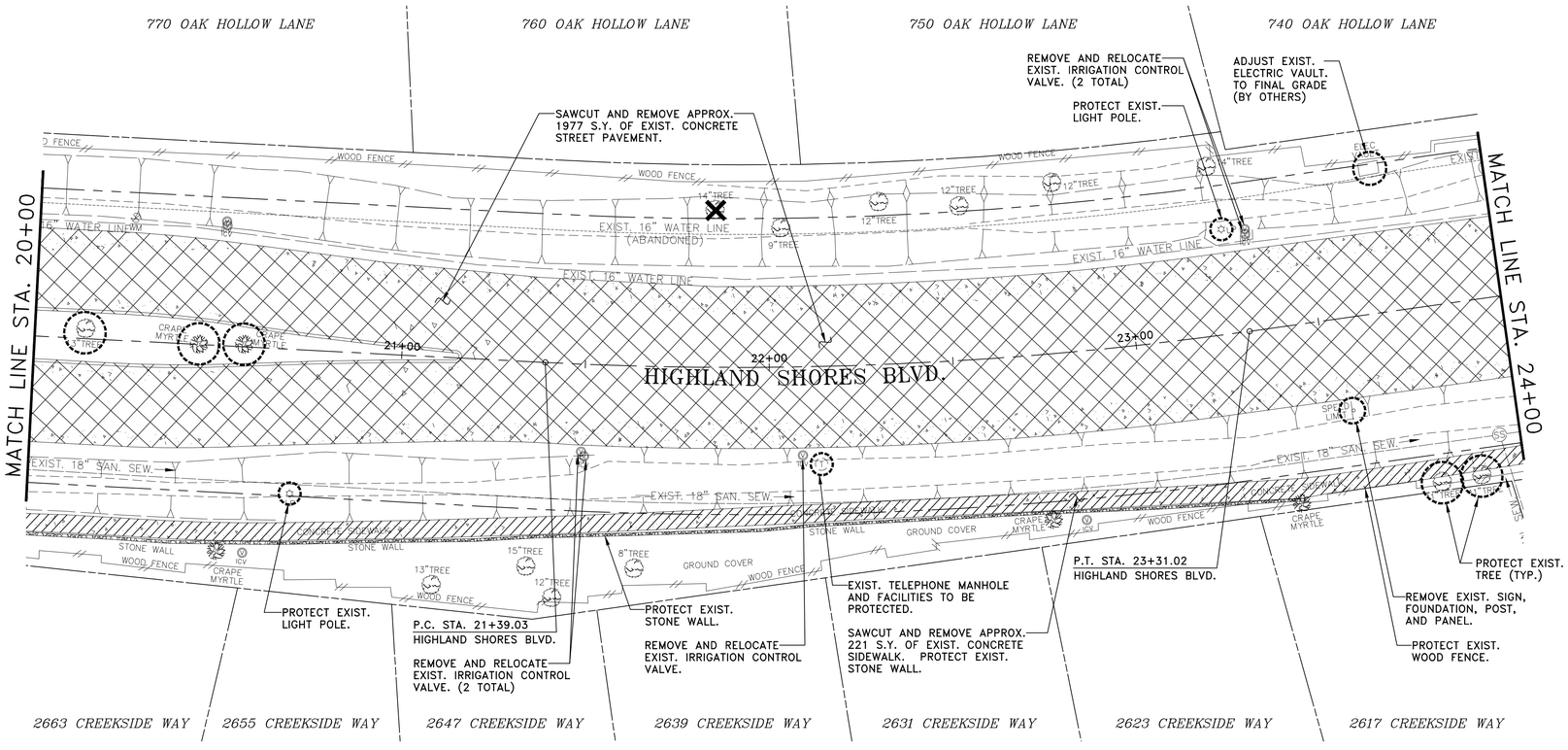
7. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.



LEGEND:

- SAWCUT LINE
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- EXISTING TO BE REMOVED

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 16+00 TO STA. 24+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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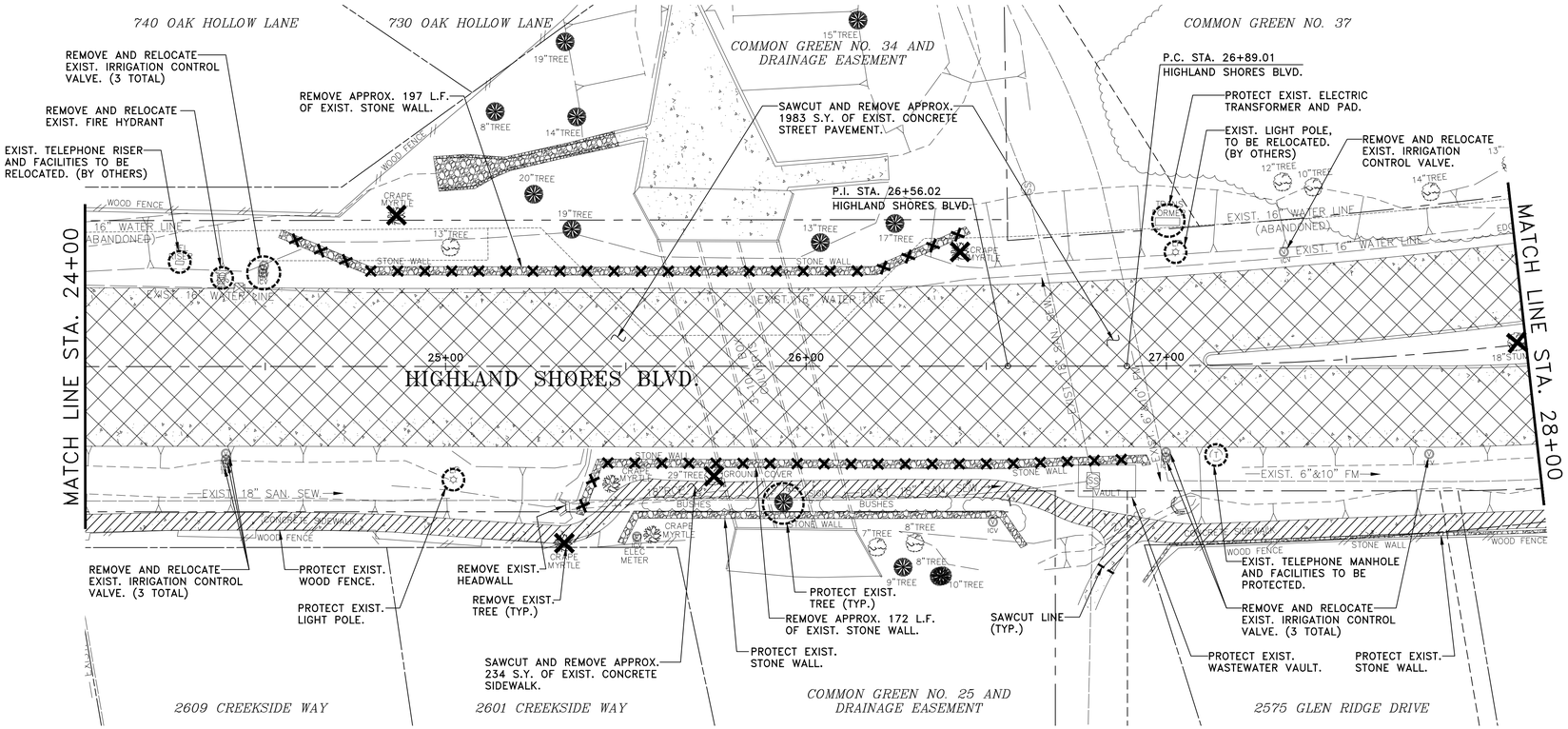
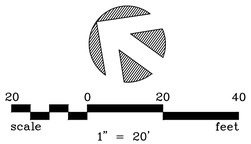
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 43

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-03





NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN DEVICES FOR THE EXIST. DRAINAGE STRUCTURES MUST BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
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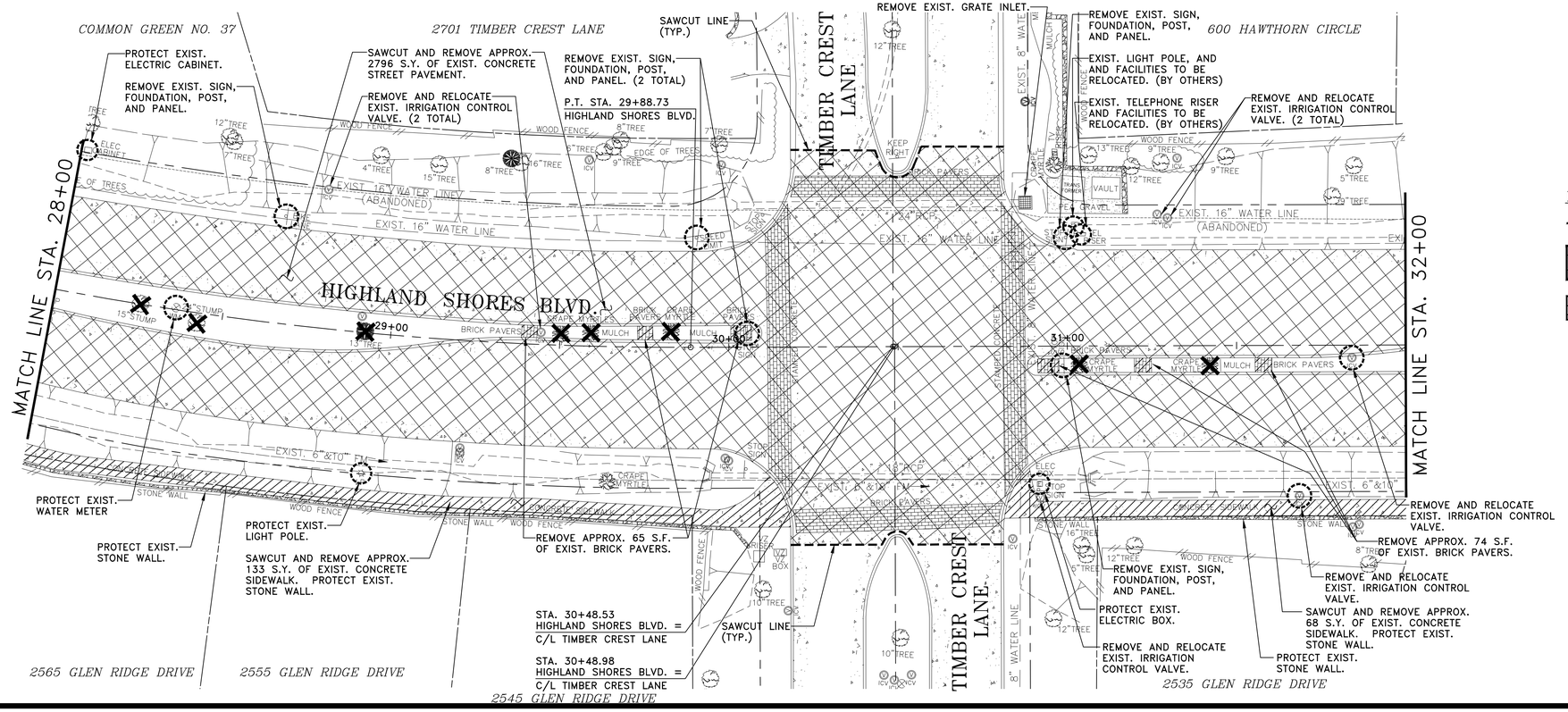

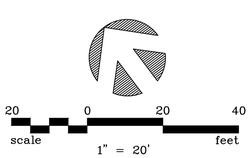

LEGEND:

- SAWCUT LINE
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- EXISTING TO BE REMOVED

!!!CAUTION!!!
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 24+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

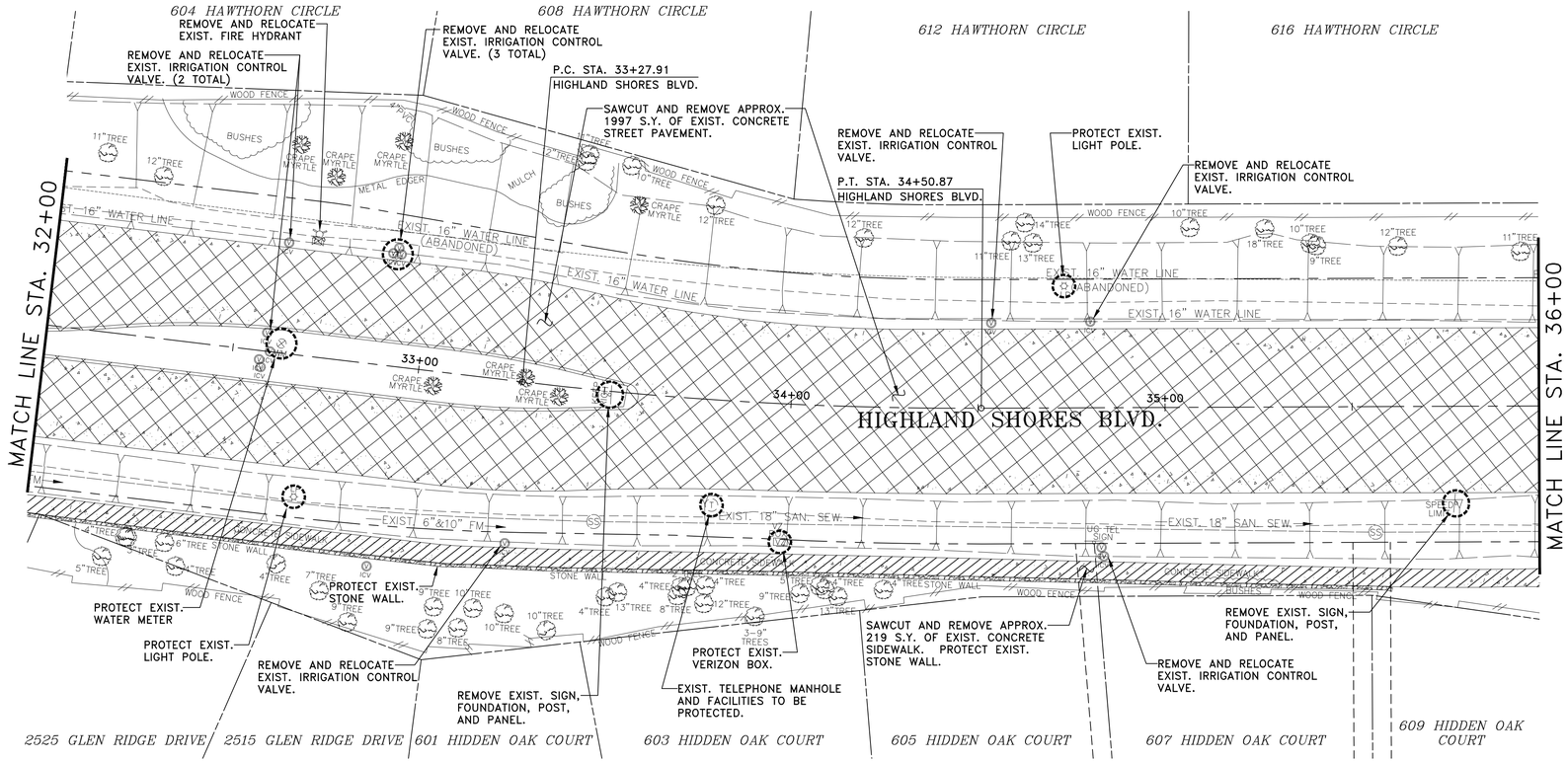
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
44

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-04



20 0 20 40
scale feet
1" = 20'

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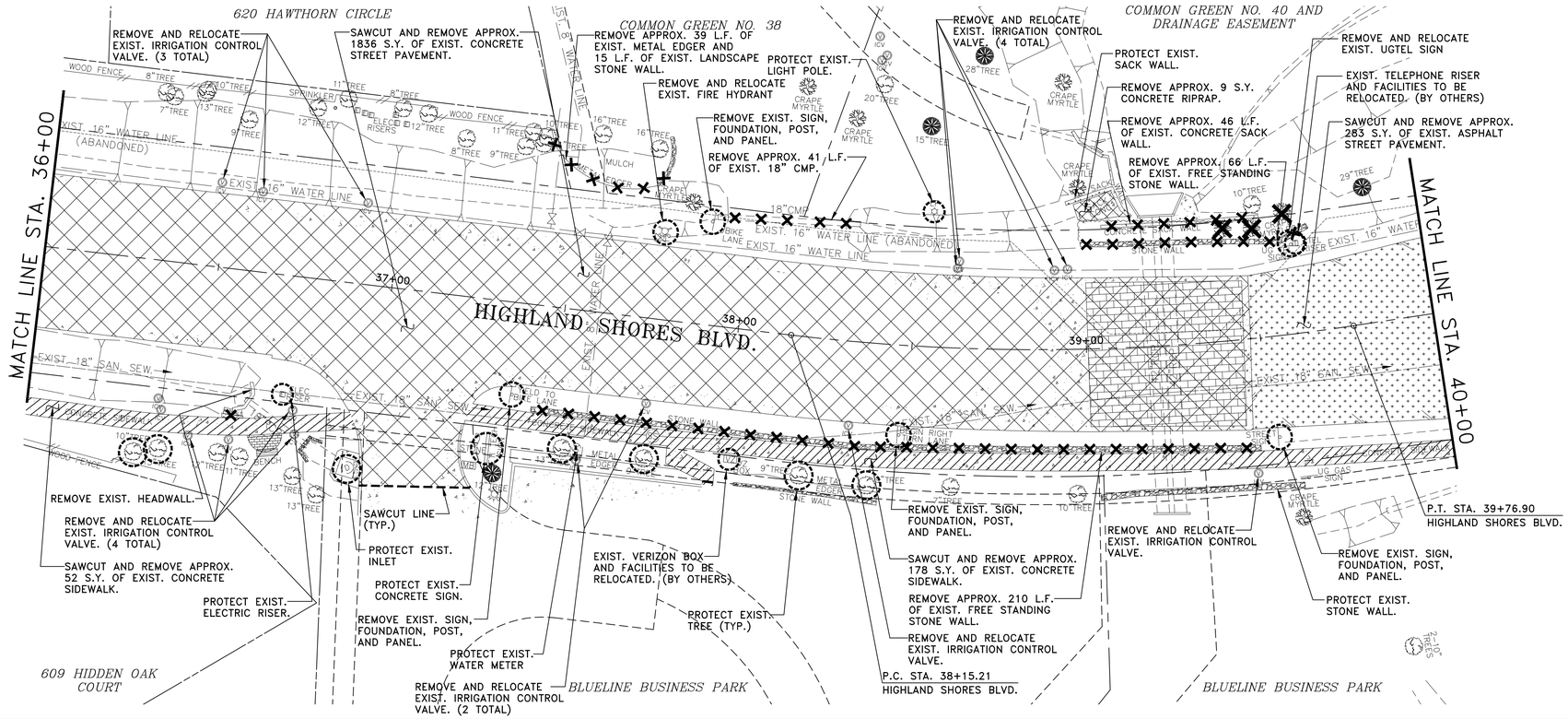
2. CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS APPROVED BY CITY.
3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
4. ALL STATIONING AND DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
5. EXISTING IRRIGATION MAIN LINE LOCATIONS AND DEPTHS ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH THE CITY AND HIGHLAND SHORES IRRIGATION MAINTENANCE FIRM PRIOR TO CONSTRUCTION. CONTRACTOR, CITY AND IRRIGATION MAINTENANCE SHALL IDENTIFY AND MARK IRRIGATION ELEMENTS TO BE ABANDONED AS PART OF THE PROJECT.

   CONTACT:
   MARIO'S LAWN SERVICE
   940-783-5891
   mls2020.office@gmail.com
6. EXISTING IRRIGATION MAIN LINES NOT BEING ABANDONED ARE TO BE PROTECTED AND REMAIN IN SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING IRRIGATION ELEMENTS DAMAGED BY CONSTRUCTION EFFORTS THAT WERE NOT IDENTIFIED BY THE CITY/IRRIGATION MAINTENANCE FIRM TO BE ABANDONED.
7. CONTRACTOR SHALL REMOVE EXISTING METAL EDGER AND LANDSCAPE STONE WALL. RETURN ITEMS TO THE HOMEOWNERS ASSOCIATION.
8. CONTRACTOR SHALL REMOVE EXISTING FIRE HYDRANT, STORE, AND REINSTALL FIRE HYDRANT IN NEW LOCATION.
9. CONTRACTOR SHALL COORDINATE TEMPORARY DRIVEWAY CLOSURE WITH CITY AND HOMEOWNERS ASSOCIATION AT LEAST 48 HOURS IN ADVANCED OF RESTRICTING DRIVEWAY ACCESS.
10. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.



20 0 20 40
scale feet
1" = 20'

LEGEND:

- SAWCUT LINE
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- EXISTING TO BE REMOVED

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

THERE ARE EXISTING AND/OR PROPOSED UTILITIES IN PROJECT AREA. UTILITY INFORMATION SHOWN ON PLANS REPRESENTS APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND IS NOT NECESSARILY ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL EXISTING UTILITIES AND SHALL BE REQUIRED TO PROTECT UTILITIES TO AVOID DAMAGE.

PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-25

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 32+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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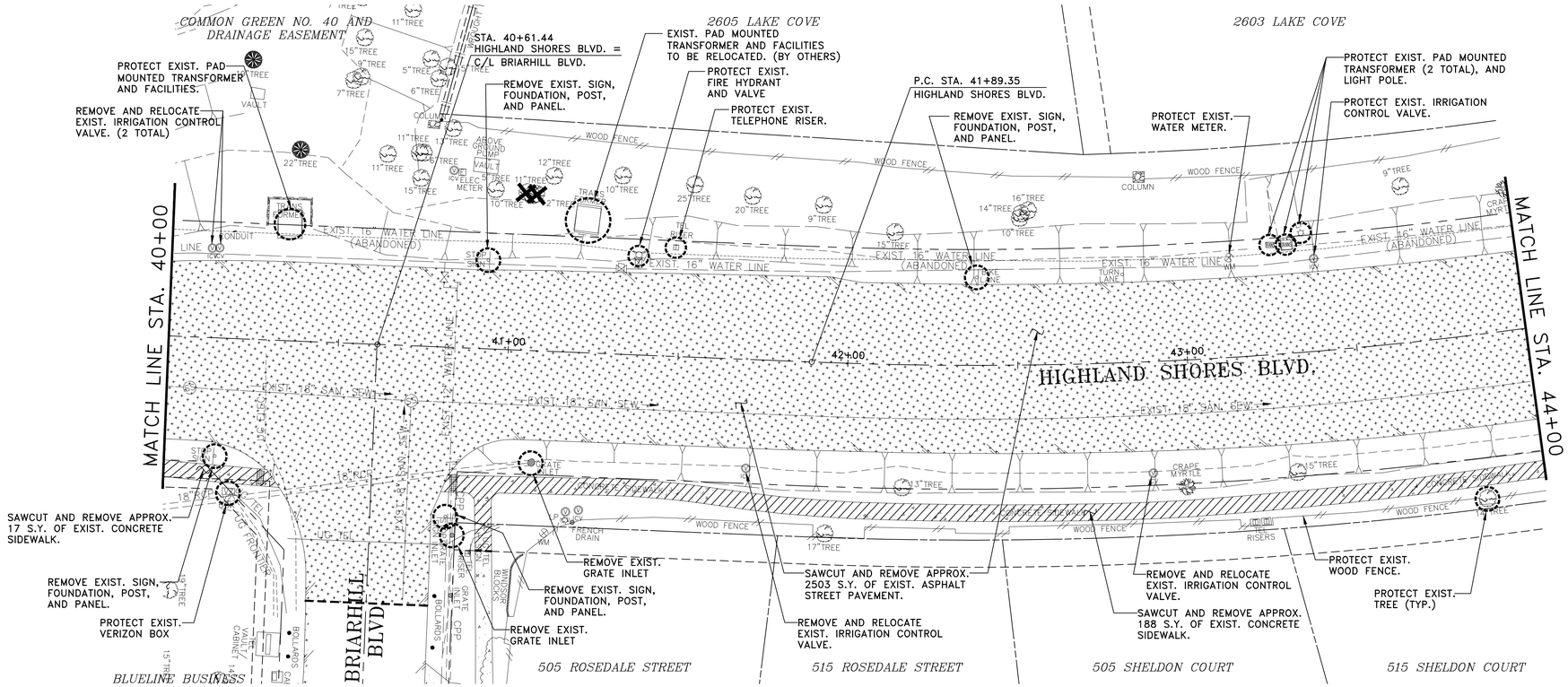
6			

SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 45

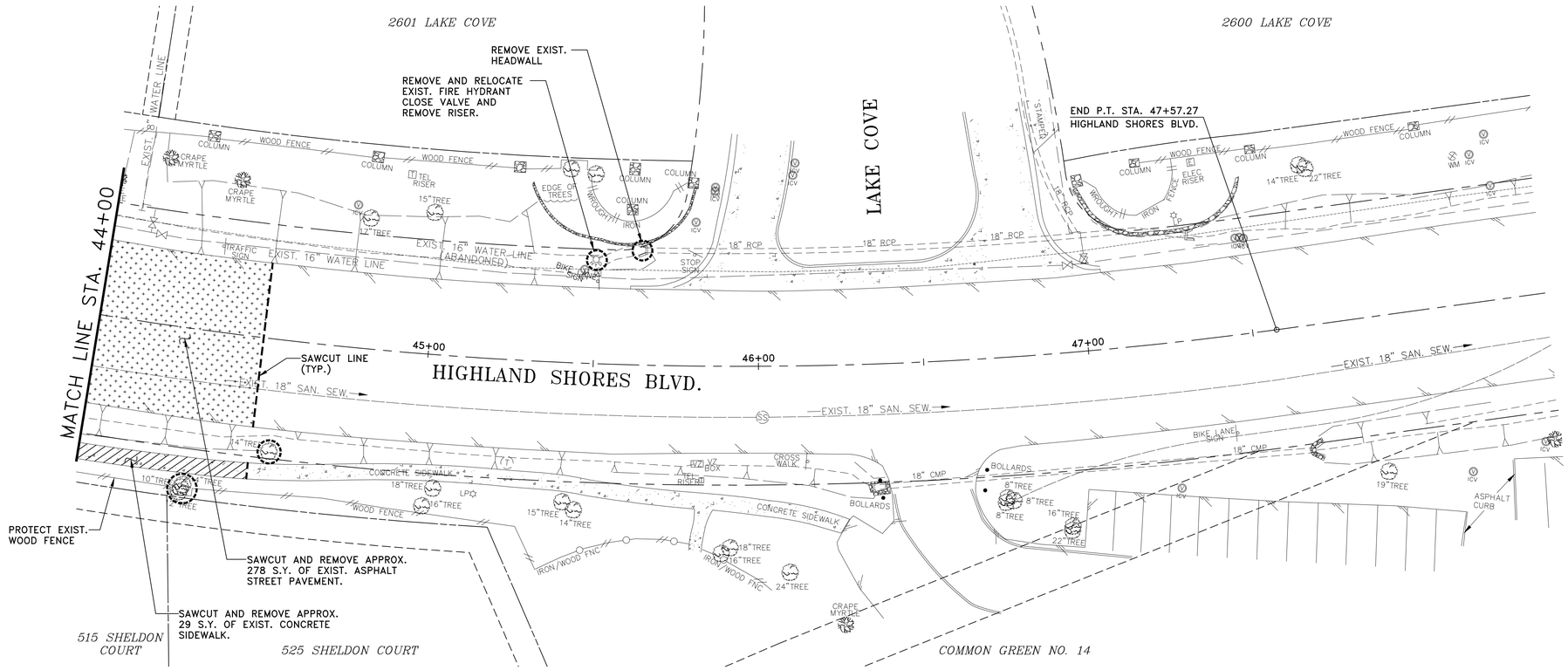
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-05



NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN DEVICES FOR THE EXIST. DRAINAGE STRUCTURES MUST BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
2. CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS APPROVED BY CITY.
3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
4. ALL STATIONING AND DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
5. EXISTING IRRIGATION MAIN LINE LOCATIONS AND DEPTHS ARE UNKNOWN. CONTRACTOR SHALL COORDINATE WITH THE CITY AND HIGHLAND SHORES IRRIGATION MAINTENANCE FIRM PRIOR TO CONSTRUCTION. CONTRACTOR, CITY AND IRRIGATION MAINTENANCE SHALL IDENTIFY AND MARK IRRIGATION ELEMENTS TO BE ABANDONED AS PART OF THE PROJECT.

   CONTACT:
   MARIO'S LAWN SERVICE
   940-783-5891
   mls2020.office@gmail.com
6. EXISTING IRRIGATION MAIN LINES NOT BEING ABANDONED ARE TO BE PROTECTED AND REMAIN IN SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING IRRIGATION ELEMENTS DAMAGED BY CONSTRUCTION EFFORTS THAT WERE NOT IDENTIFIED BY THE CITY/IRRIGATION MAINTENANCE FIRM TO BE ABANDONED.
7. CONTRACTOR SHALL REMOVE EXISTING FIRE HYDRANT, STORE, AND REINSTALL FIRE HYDRANT IN NEW LOCATION.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.



LEGEND:

- SAWCUT LINE
- EXISTING ASPHALT STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE SIDEWALK AND MEDIAN PAVERS TO BE REMOVED
- EXISTING TO BE REMOVED

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
BEAUMONT | HOUSTON | RICHARDSON
KYLE | PORT ARTHUR | TERRELL | TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DEMOLITION PLAN
STA. 40+00 TO STA. 44+50
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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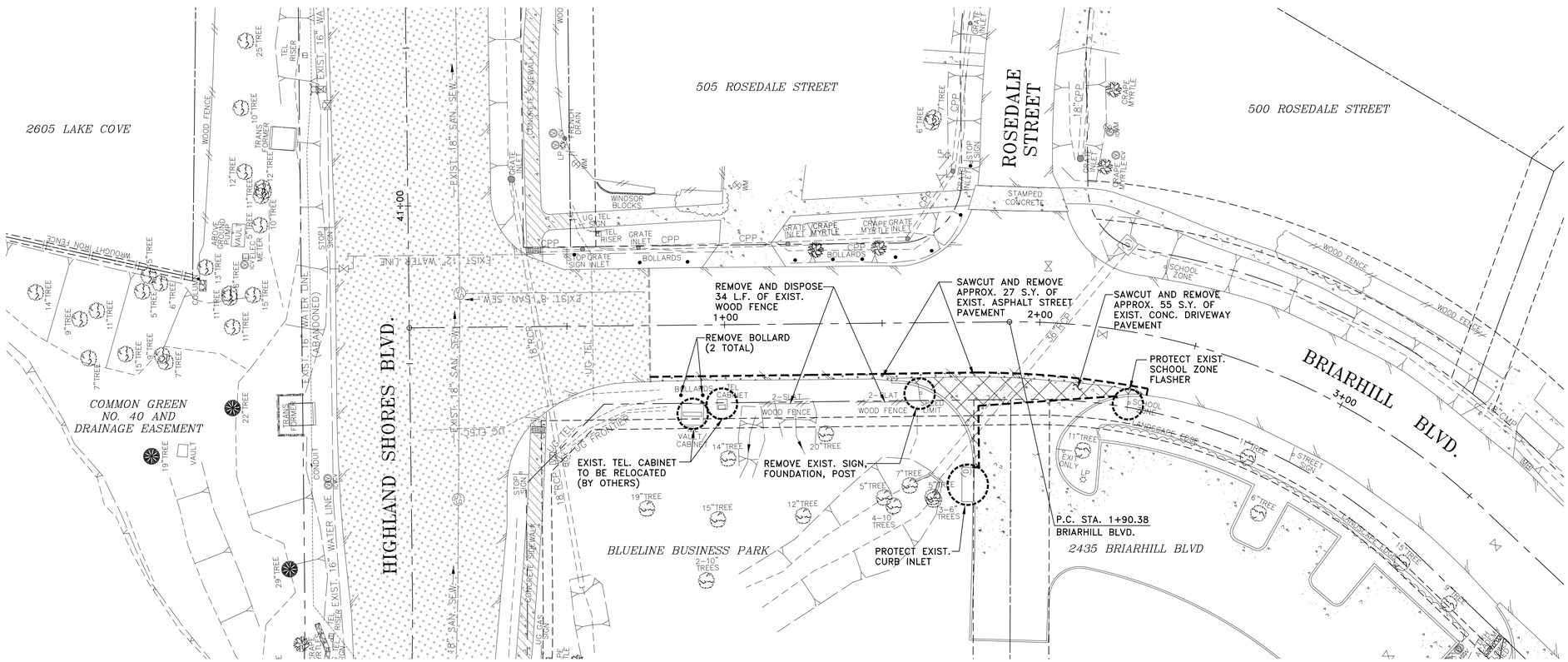
7			

SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 46

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-06



ADD ALTERNATE 1

NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN DEVICES FOR THE EXIST. DRAINAGE STRUCTURES MUST BE INSTALLED PRIOR TO COMMENCING DEMOLITION.
2. CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS APPROVED BY CITY.
3. ALL SAWCUTS SHALL FOLLOW EXISTING JOINT LINES IF WITHIN 3' OF AN EXISTING JOINT.
4. ALL STATIONING AND DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL COORDINATE TEMPORARY DRIVEWAY CLOSURE WITH CITY AND PROPERTY OWNER AT LEAST 48 HOURS IN ADVANCED OF RESTRICTING DRIVEWAY ACCESS.
6. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.

LEGEND:

- SAWCUT LINE
- EXISTING ASPHALT STREET PAVEMENT TO BE REMOVED
- EXISTING CONCRETE STREET PAVEMENT TO BE REMOVED
- × EXISTING TO BE REMOVED

20 0 20 40
scale feet
1" = 20'

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
BRIARHILL BLVD.
DEMOLITION PLAN
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
A			
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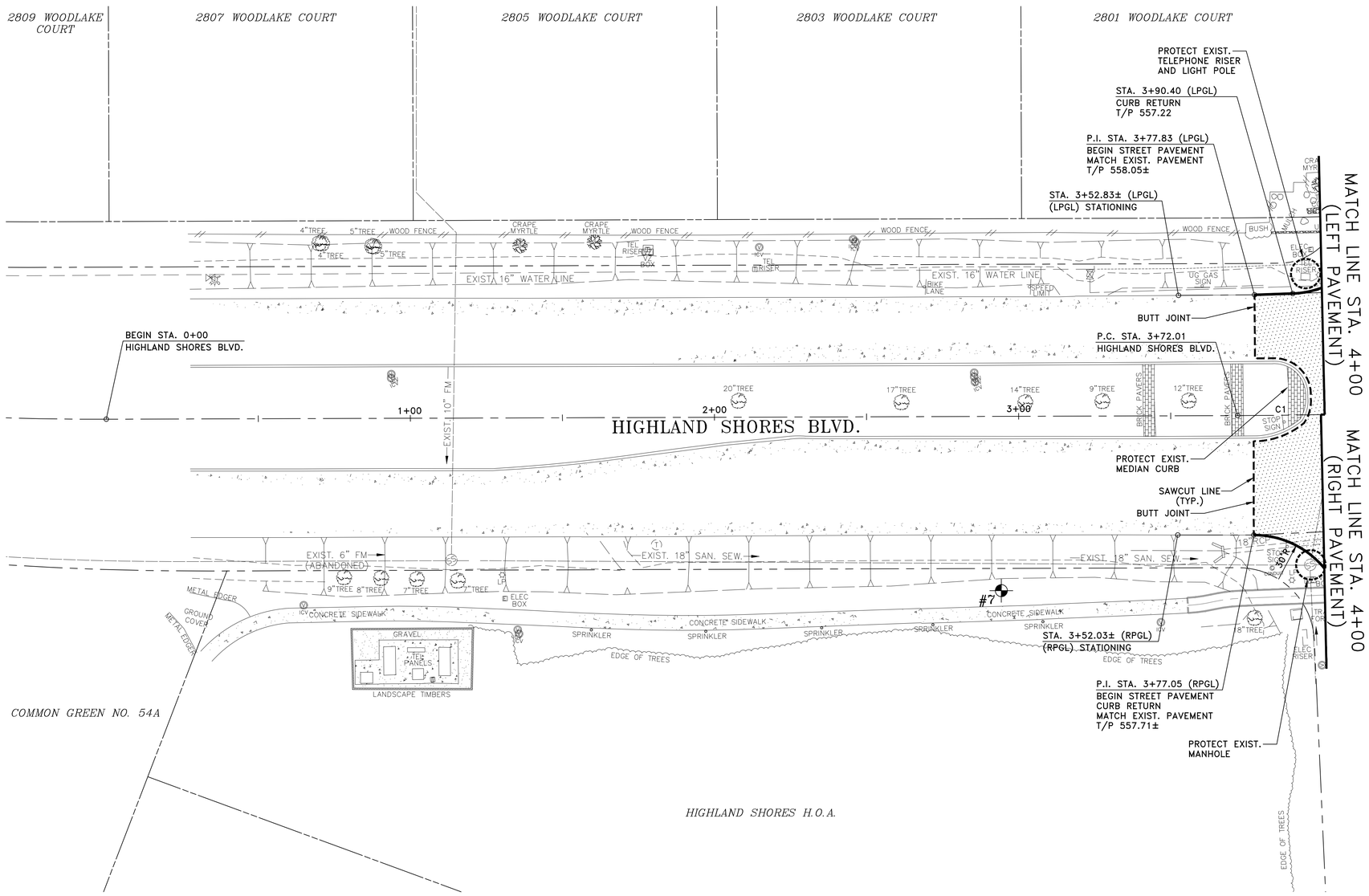
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 47

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132DEMO-HSBLVD-06



20 0 20 40
scale feet
1" = 20'

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
BEGIN STA. 3+52.83±	7083563.2161	2406079.2727

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
BEGIN STA. 3+52.03±	7083493.1549	2406043.2776
P.I. STA. 3+77.05	7083481.7860	2406065.5693

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
7	7083503.1520	2405983.2990	561.56	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	1510.00'	08°05'39"	213.32'	S 67°13'53" E	213.14'

NOTES:

1. SEE TYPICAL SECTION SHEETS FOR ADDITIONAL DETAILS AND NOTES.
2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

LEGEND

8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT

SAWCUT LINE

!! CAUTION !!

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SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 3+52.83 TO STA. 4+00
PLAN - (RPGL) - STA. 3+52.03 TO STA. 4+00

CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
6			
5			
4			
3			
2			
1			

SCALE: 1" = 20'

DATE: SEPTEMBER 2026

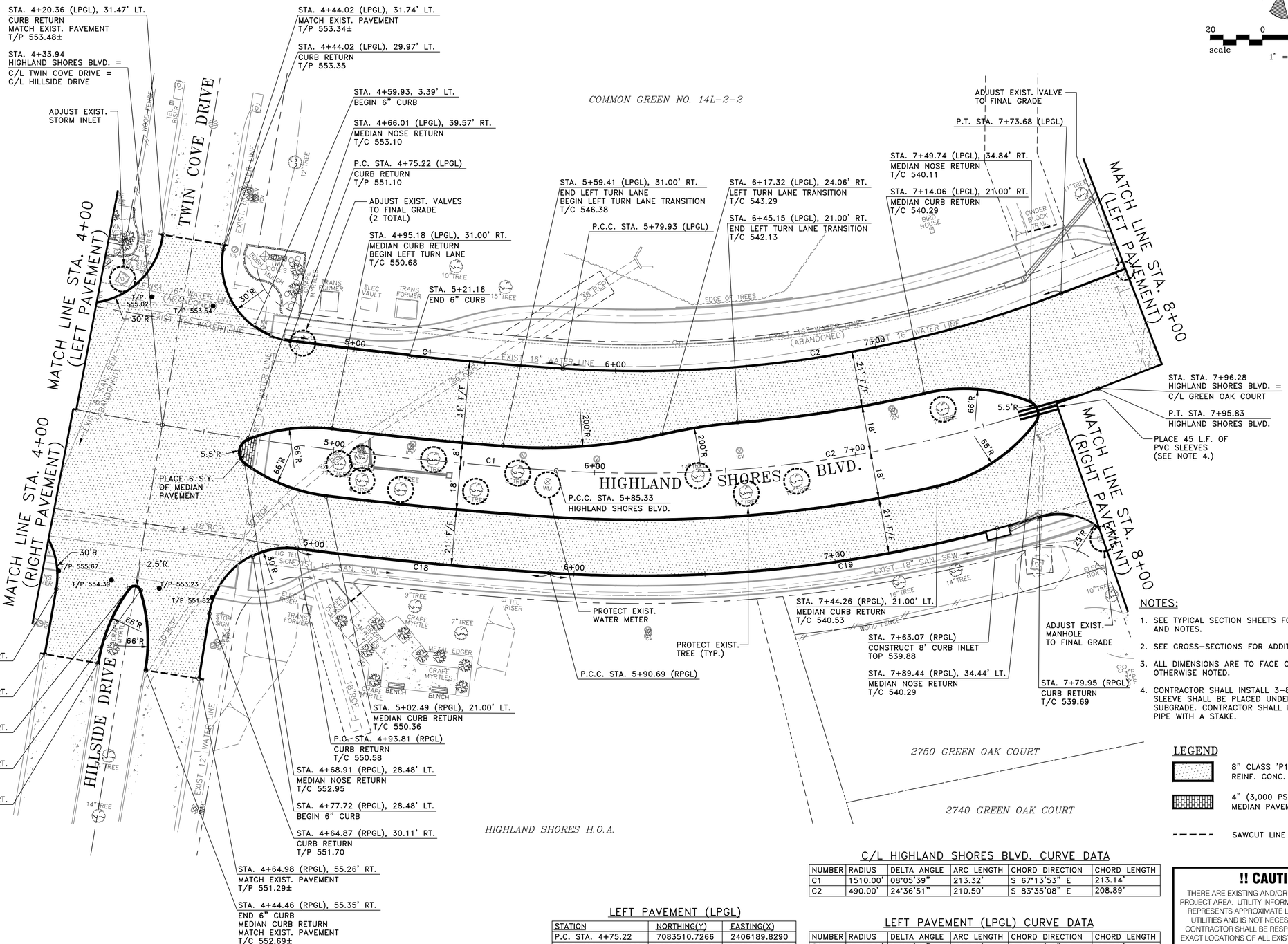
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 48

J:\23-2132-HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-01



NOTES:

1. SEE TYPICAL SECTION SHEETS FOR ADDITIONAL DETAILS AND NOTES.
2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL INSTALL 3-8" SCH80 PVC SLEEVES. SLEEVE SHALL BE PLACED UNDER THE PROPOSED SUBGRADE. CONTRACTOR SHALL MARK THE ENDS OF PIPE WITH A STAKE.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 4+75.22	7083510.7266	2406189.8290
P.C.C. STA. 5+79.93	7083473.6171	2406287.7218
P.T. STA. 7+73.68	7083452.1375	2406478.7812

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 4+93.81	7083433.6869	2406171.9663
P.C.C. STA. 5+90.69	7083399.7441	2406262.6861

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	1510.00'	08°05'39"	213.32'	S 67°13'53" E	213.14'
C2	490.00'	24°36'51"	210.50'	S 83°35'08" E	208.89'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	1471.00'	04°04'43"	104.71'	S 69°14'21" E	104.69'
C2	451.00'	24°36'51"	193.75'	S 83°35'08" E	192.26'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C18	1549.00'	03°35'00"	96.88'	S 69°29'12" E	96.86'
C19	529.00'	24°36'51"	227.26'	S 83°35'08" E	225.51'

!! CAUTION !!

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PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 4+00 TO STA. 8+00
PLAN - (RPGL) - STA. 4+00 TO STA. 8+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

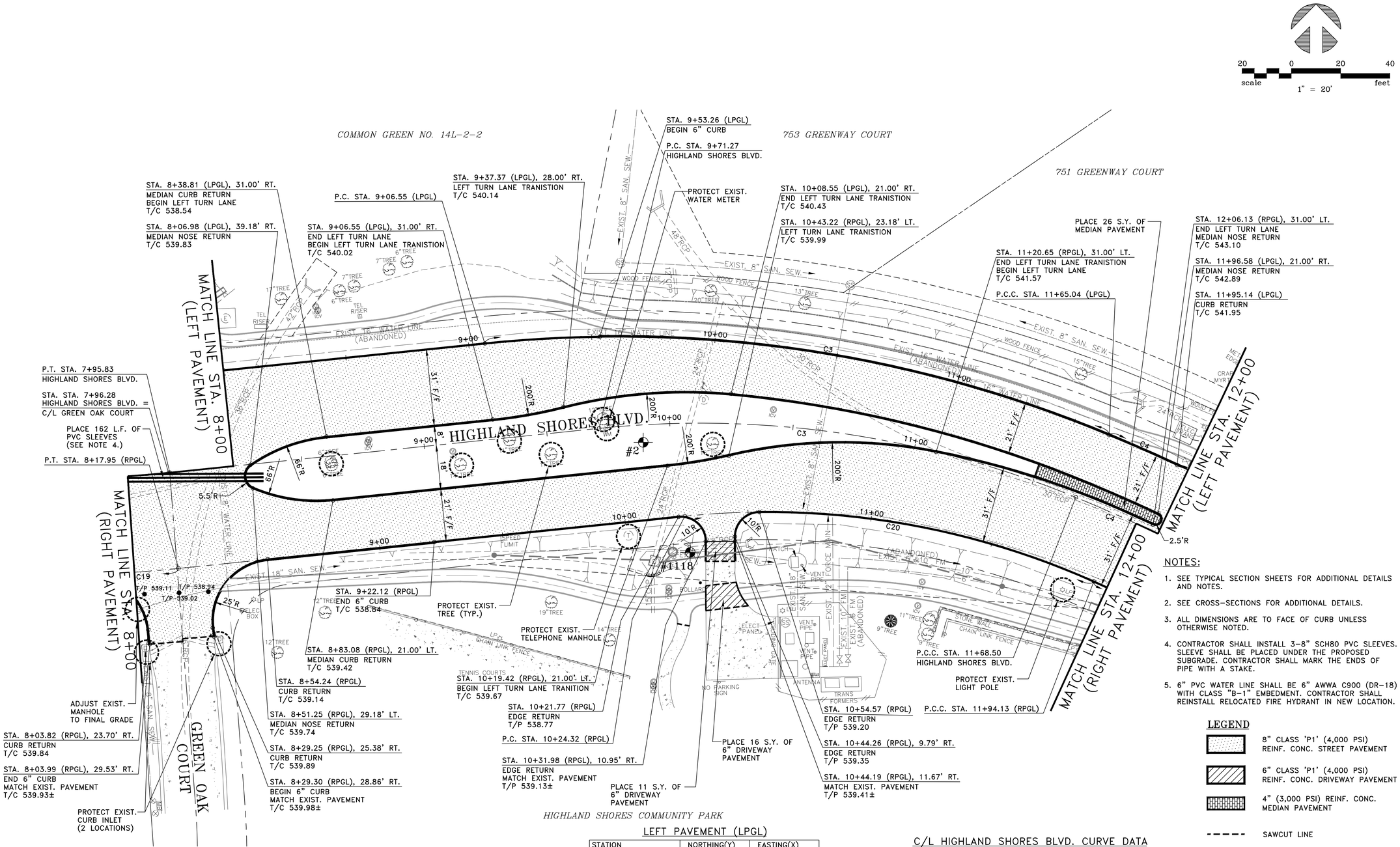
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 49

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-02



NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL INSTALL 3-8" SCH80 PVC SLEEVES. SLEEVE SHALL BE PLACED UNDER THE PROPOSED SUBGRADE. CONTRACTOR SHALL MARK THE ENDS OF PIPE WITH A STAKE.
5. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" CLASS 'P1' (4,000 PSI) REINF. CONC. DRIVEWAY PAVEMENT
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- ----- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 9+06.55	7083465.7787	2406610.9501
P.C.C. STA. 11+65.04	7083428.6343	2406864.0768

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 8+17.95	7083374.5497	2406486.7890
P.C. STA. 10+24.32	7083395.7363	2406692.0657
P.C.C. STA. 11+94.13	7083369.2514	2406857.8558

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
2	7083425.6610	2406675.1790	539.92	1/2" I.R. W/CAP
1118	7083381.0570	2406694.2330	538.48	SQUARE CUT

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C3	400.00'	28°08'46"	196.50'	S 81°49'11" E	194.53'
C4	700.00'	42°36'48"	520.62'	S 46°20'07" E	508.70'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C3	520.00'	28°28'54"	258.49'	S 81°39'07" E	255.84'
C4	728.50'	42°22'57"	538.88'	S 46°13'12" E	526.68'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C19	529.00'	24°36'51"	227.26'	S 83°35'08" E	225.51'
C20	325.00'	29°56'17"	169.82'	S 80°55'25" E	167.89'

!! CAUTION !!

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 8+00 TO STA. 12+00

PLAN - (RPGL) - STA. 8+00 TO STA. 12+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

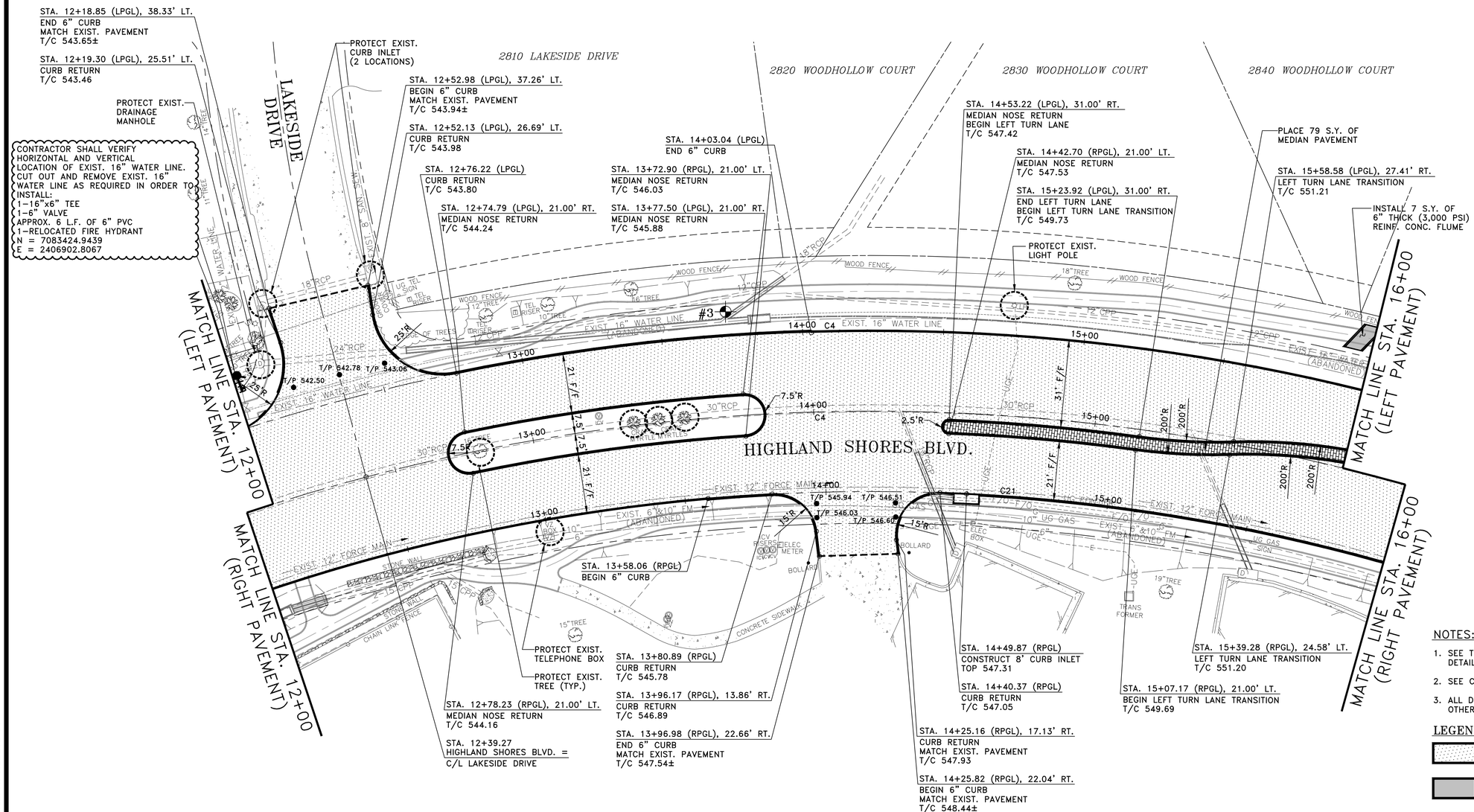
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 50

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-03



C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	700.00'	42°36'48"	520.62'	S 46°20'07" E	508.70'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	728.50'	42°22'57"	538.88'	S 46°13'12" E	526.68'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C21	671.50'	40°55'34"	479.65'	S 45°29'30" E	469.52'

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
3	7083329.1290	2407047.7190	544.46	1/2" I.R. W/CAP

NOTES:

1. SEE TYPICAL SECTION SHEETS FOR ADDITIONAL DETAILS AND NOTES.
2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" THICK (3,000 PSI) REINF. CONC. FLUME
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

!! CAUTION !!

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CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 12+00 TO STA. 16+00

PLAN - (RPGL) - STA. 12+00 TO STA. 16+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

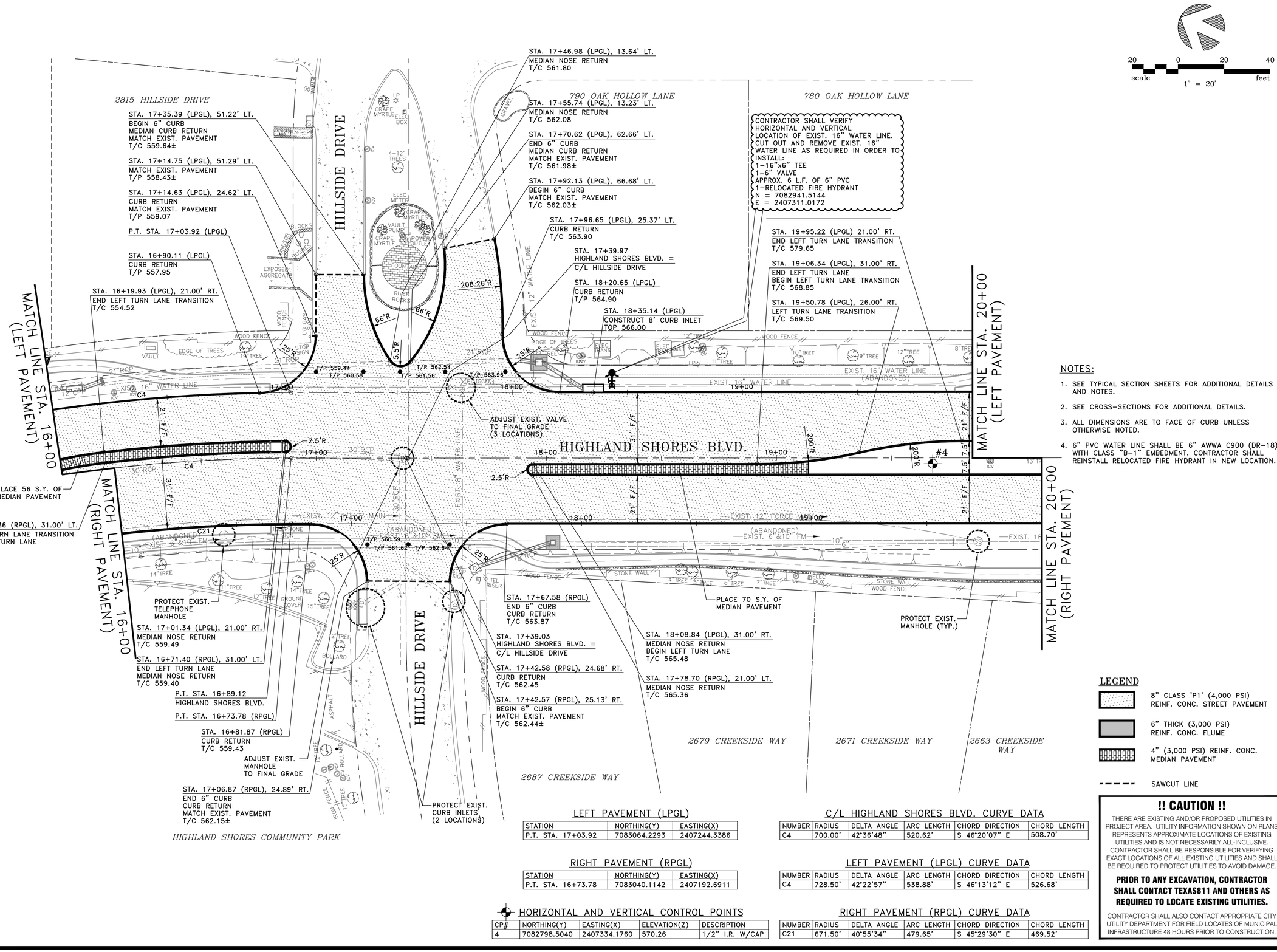
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 51

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-04



NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" THICK (3,000 PSI) REINF. CONC. FLUME
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 17+03.92	7083064.2293	2407244.3386

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 16+73.78	7083040.1142	2407192.6911

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
4	7082798.5040	2407334.1760	570.26	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	700.00'	42°36'48"	520.62'	S 46°20'07" E	508.70'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	728.50'	42°22'57"	538.88'	S 46°13'12" E	526.68'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C21	671.50'	40°55'34"	479.65'	S 45°29'30" E	469.52'

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 16+00 TO STA. 20+00
PLAN - (RPGL) - STA. 16+00 TO STA. 20+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

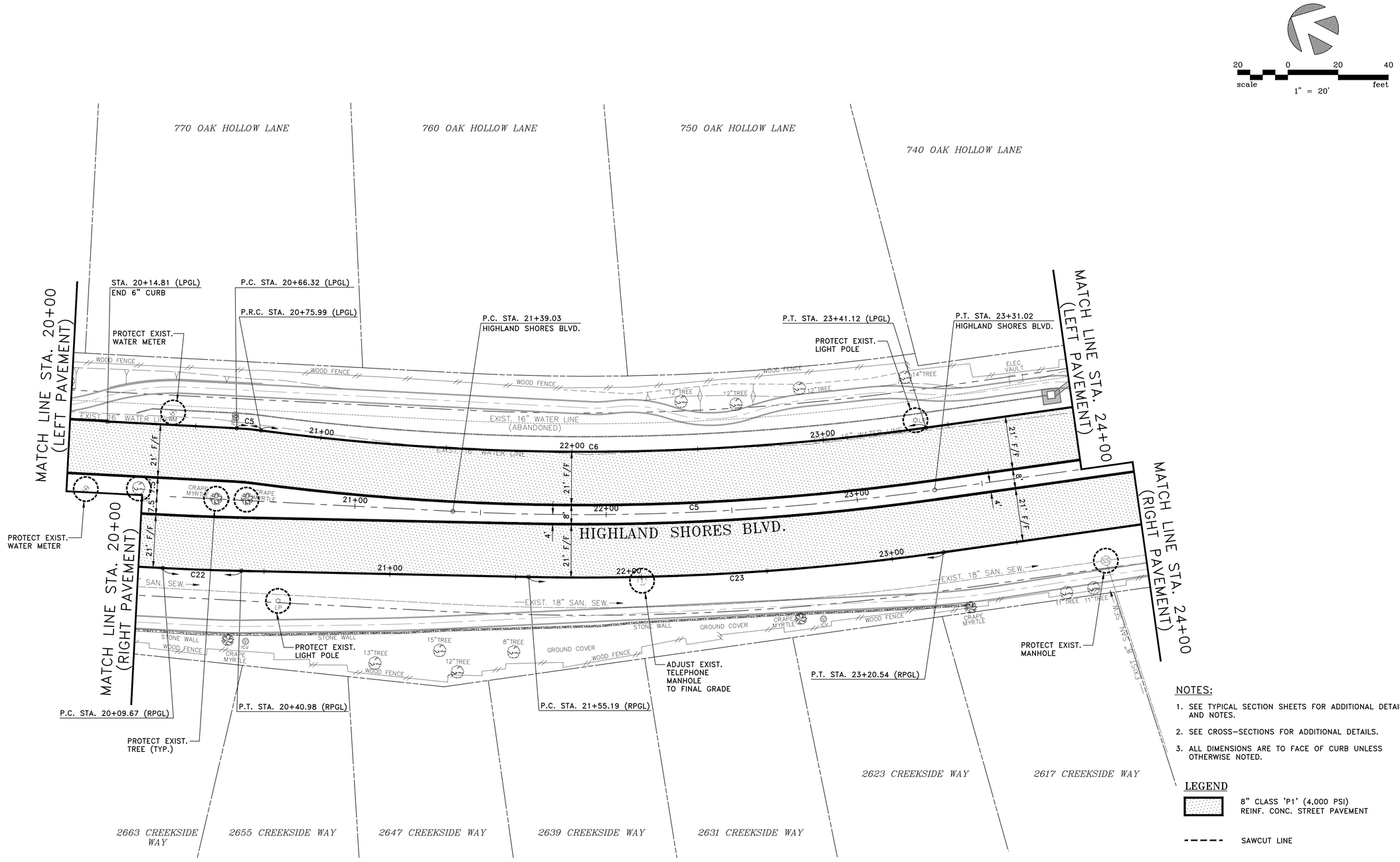
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 52

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-05



20 0 20 40
scale 1" = 20' feet

NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

LEGEND

8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT

SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 20+66.32	7082735.8662	2407397.6569
P.R.C. STA. 20+75.99	7082726.9477	2407401.3946
P.T. STA. 23+41.12	7082494.0936	2407526.4519

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 20+09.67	7082735.7729	2407334.7932
P.T. STA. 20+40.98	7082707.6095	2407348.4730
P.C. STA. 21+55.19	7082605.6566	2407399.9414
P.T. STA. 23+20.54	7082464.6841	2407486.0157

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C5	1000.00'	11°00'01"	191.99'	S 30°31'43" E	191.69'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C5	121.00'	04°34'49"	9.67'	S 22°44'19" E	9.67'
C6	975.00'	15°34'49"	265.13'	S 28°14'19" E	264.31'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C22	1021.00'	01°45'26"	31.31'	S 25°54'26" E	31.31'
C23	1025.00'	09°14'34"	165.35'	S 31°24'26" E	165.17'

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 20+00 TO STA. 24+00
PLAN - (RPGL) - STA. 20+00 TO STA. 24+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

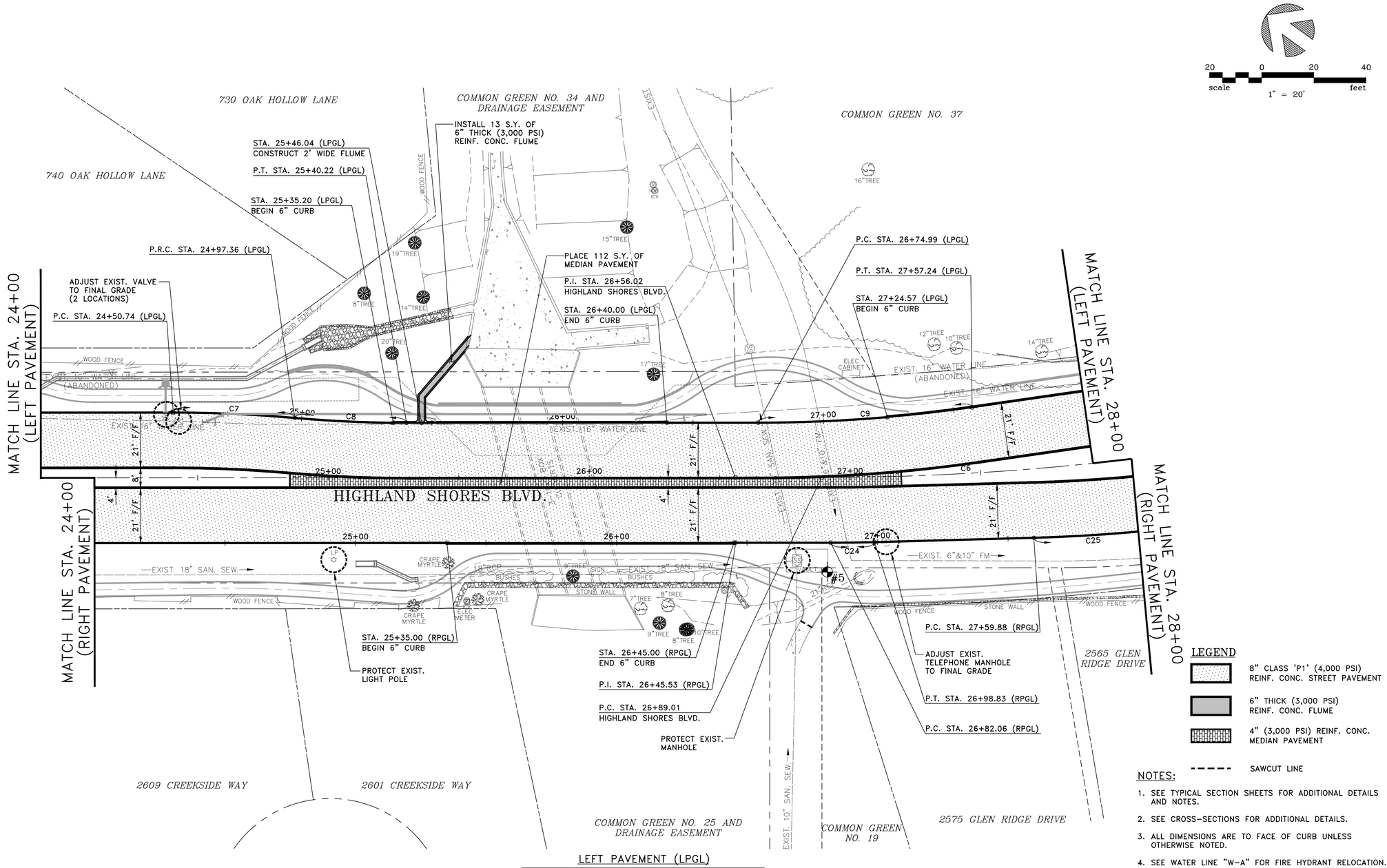
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 53

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-06



LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 24+50.74	7082405.4339	2407590.9347
P.R.C. STA. 24+97.36	7082366.5596	2407616.6313
P.C. STA. 26+74.99	7082221.8296	2407719.5253
P.T. STA. 27+57.24	7082158.9640	2407772.4602

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.I. STA. 26+45.53	7082201.8510	2407677.1762
P.C. STA. 26+82.06	7082172.3077	2407698.6533
P.T. STA. 26+98.83	7082158.8813	2407708.6936
P.T. STA. 27+59.88	7082110.4837	2407745.9150

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
5	7082166.7780	2407688.8310	558.16	X CUT

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C6	1000.00'	17°10'22"	299.72'	S 44°36'09" E	298.60'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C7	521.00'	05°07'35"	46.62'	S 33°27'56" E	46.60'
C8	479.00'	05°07'35"	42.86'	S 33°27'56" E	42.84'
C9	579.00'	08°08'22"	82.25'	S 40°05'54" E	82.18'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C24	621.00'	01°32'49"	16.77'	S 36°47'22" E	16.77'
C25	621.00'	07°34'13"	82.05'	S 41°20'53" E	81.99'

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" THICK (3,000 PSI) REINF. CONC. FLUME
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

NOTES:

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4. SEE WATER LINE "W-A" FOR FIRE HYDRANT RELOCATION.

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PLAN - (LPGL) - STA. 24+00 TO STA. 28+00
PLAN - (RPGL) - STA. 24+00 TO STA. 28+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

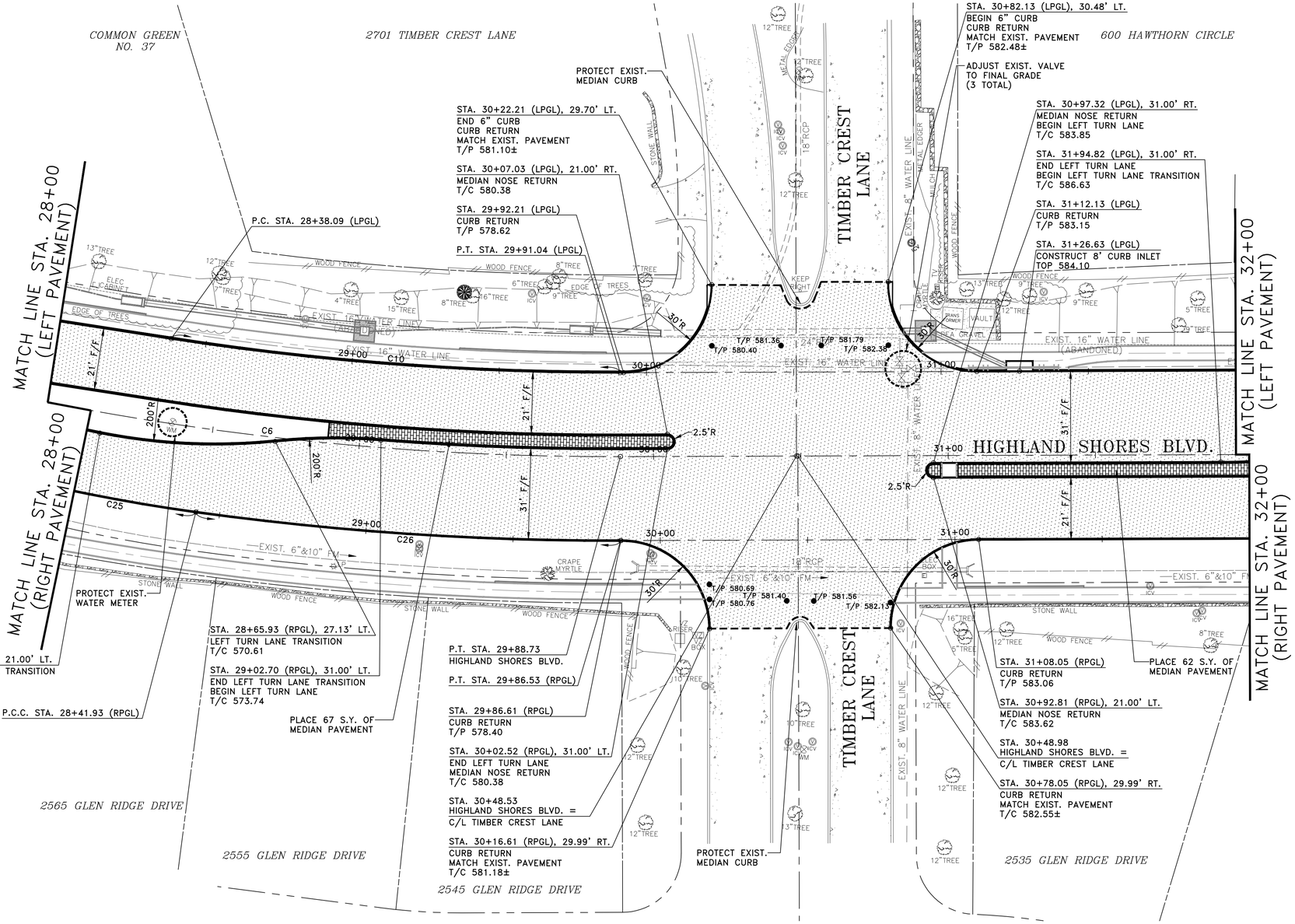
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 54

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-07



C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C6	1000.00'	17°10'22"	299.72'	S 44°36'09" E	298.60'

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 28+38.09	7082100.9723	2407828.7919
P.T. STA. 29+91.04	7082000.0863	2407943.5405

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C10	971.50'	09°01'14"	152.95'	S 48°40'42" E	152.79'

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C.C. STA. 28+41.93	7082048.9324	2407800.0807
P.T. STA. 29+86.53	7081954.4514	2407909.3871

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C25	621.00'	07°34'13"	82.05'	S 41°20'53" E	81.99'
C26	1028.50'	08°03'19"	144.60'	S 49°09'39" E	144.48'

NOTES:

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LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PLAN - (LPGL) - STA. 28+00 TO STA. 32+00
PLAN - (RPGL) - STA. 28+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

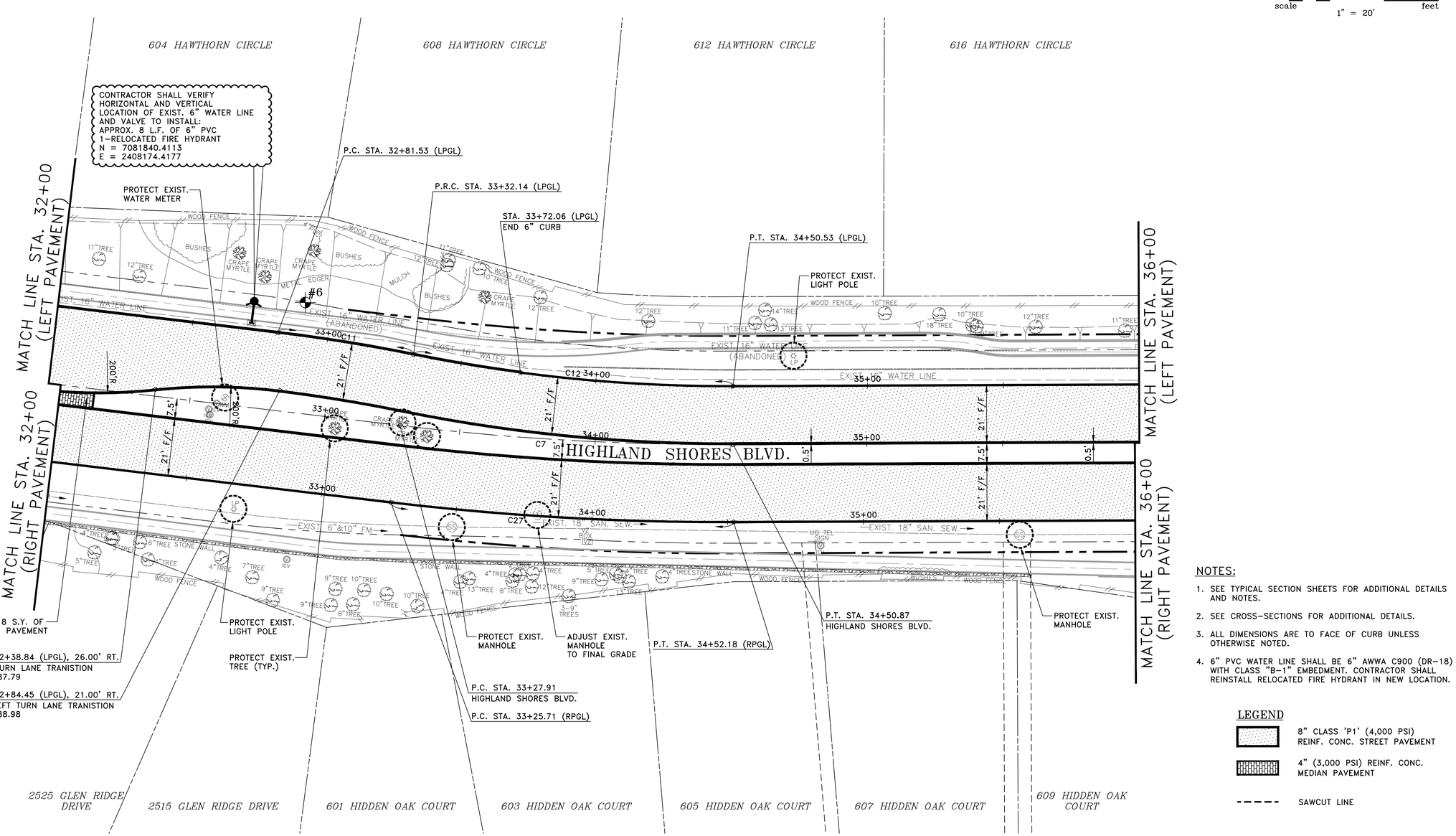
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 55

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-08



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scale 1" = 20' feet

NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 32+81.53	7081826.0287	2408176.1114
P.R.C. STA. 33+32.14	7081794.0858	2408215.3524
P.T. STA. 34+50.53	7081725.2515	2408311.4154

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 33+25.71	7081751.2190	2408180.9405
P.T. STA. 34+52.18	7081681.8499	2408286.5899

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
6	7081830.6120	2408190.4540	589.44	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C7	1000.00'	07°02'43"	122.96'	S 56°42'41" E	122.89'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C11	621.00'	04°40'11"	50.61'	S 50°51'13" E	50.60'
C12	579.00'	11°42'54"	118.39'	S 54°22'35" E	118.18'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C27	1028.50'	07°02'43"	126.47'	S 56°42'40" E	126.39'

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (LPGL) - STA. 32+00 TO STA. 36+00
PLAN - (RPGL) - STA. 32+00 TO STA. 36+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

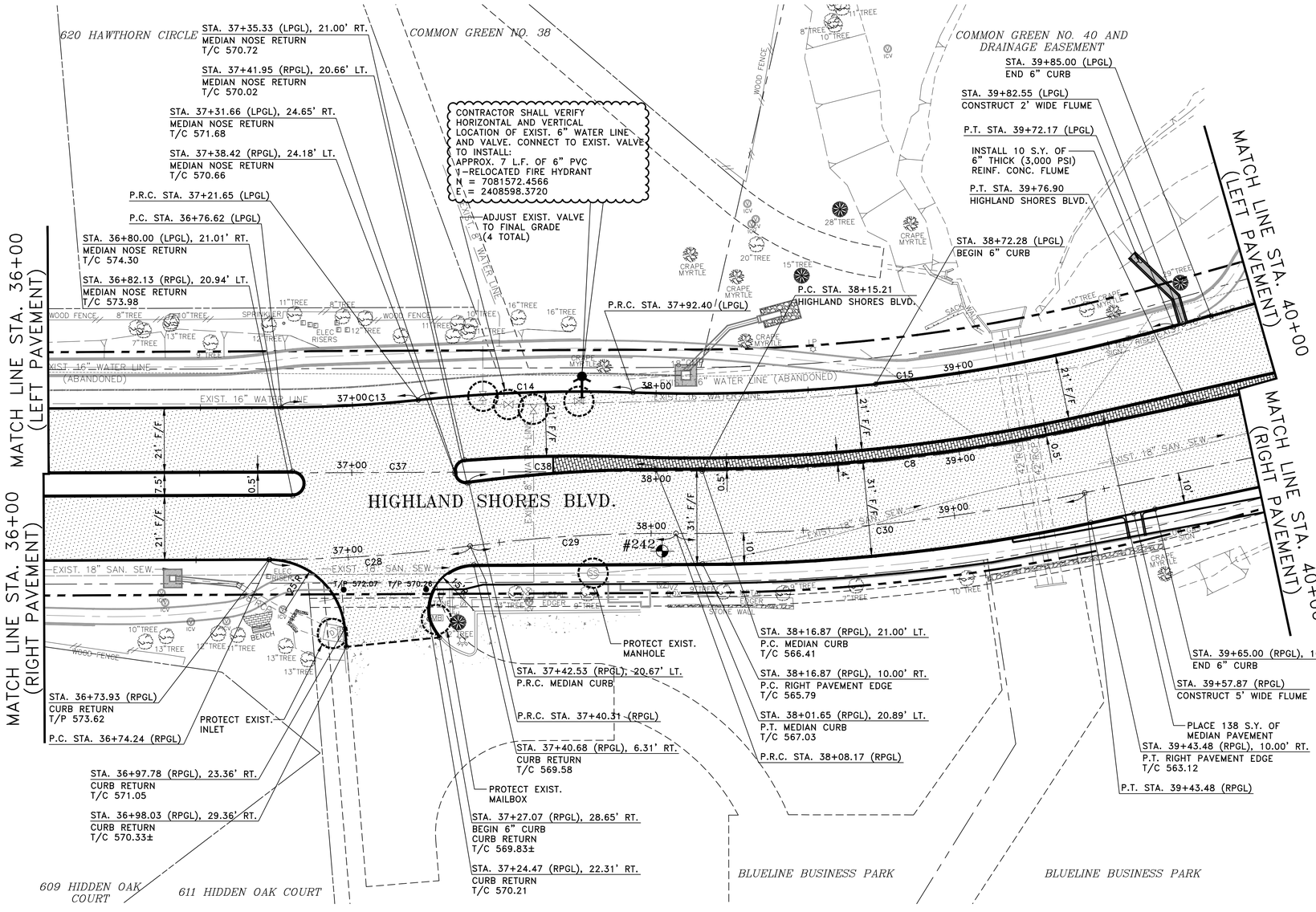
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 56

J:\23-2132-HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-09



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scale 1" = 20' feet

NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" THICK (3,000 PSI) REINF. CONC. FLUME
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 36+76.62	7081613.0028	2408507.6814
P.R.C. STA. 37+21.65	7081592.6577	2408547.8290
P.R.C. STA. 37+92.40	7081559.4689	2408610.2405
P.T. STA. 39+72.17	7081489.3404	2408774.9768

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 36+74.24	7081571.6030	2408479.3556
P.R.C. STA. 37+40.31	7081542.5506	2408538.6350
P.R.C. STA. 38+08.17	7081512.2851	2408599.3096
P.T. STA. 39+43.48	7081456.6645	2408722.3691

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
242	7081509.5400	2408592.4680	566.39	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C8	600.00'	15°26'22"	161.68'	S 67°57'14" E	161.19'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C13	446.00'	05°47'04"	45.03'	S 63°07'34" E	45.01'
C14	504.00'	08°02'33"	70.75'	S 61°59'50" E	70.69'
C15	574.50'	17°55'45"	179.77'	S 66°56'26" E	179.04'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C28	517.50'	07°18'50"	66.06'	S 63°53'27" E	66.02'
C29	479.00'	08°07'02"	67.86'	S 63°29'21" E	67.80'
C30	620.50'	12°29'40"	135.31'	S 65°40'41" E	135.05'
C37	475.00'	07°26'27"	61.69'	S 63°57'15" E	61.64'

!! CAUTION !!

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PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
LPGL - STA. 36+00 TO STA. 40+00
RPGL - STA. 36+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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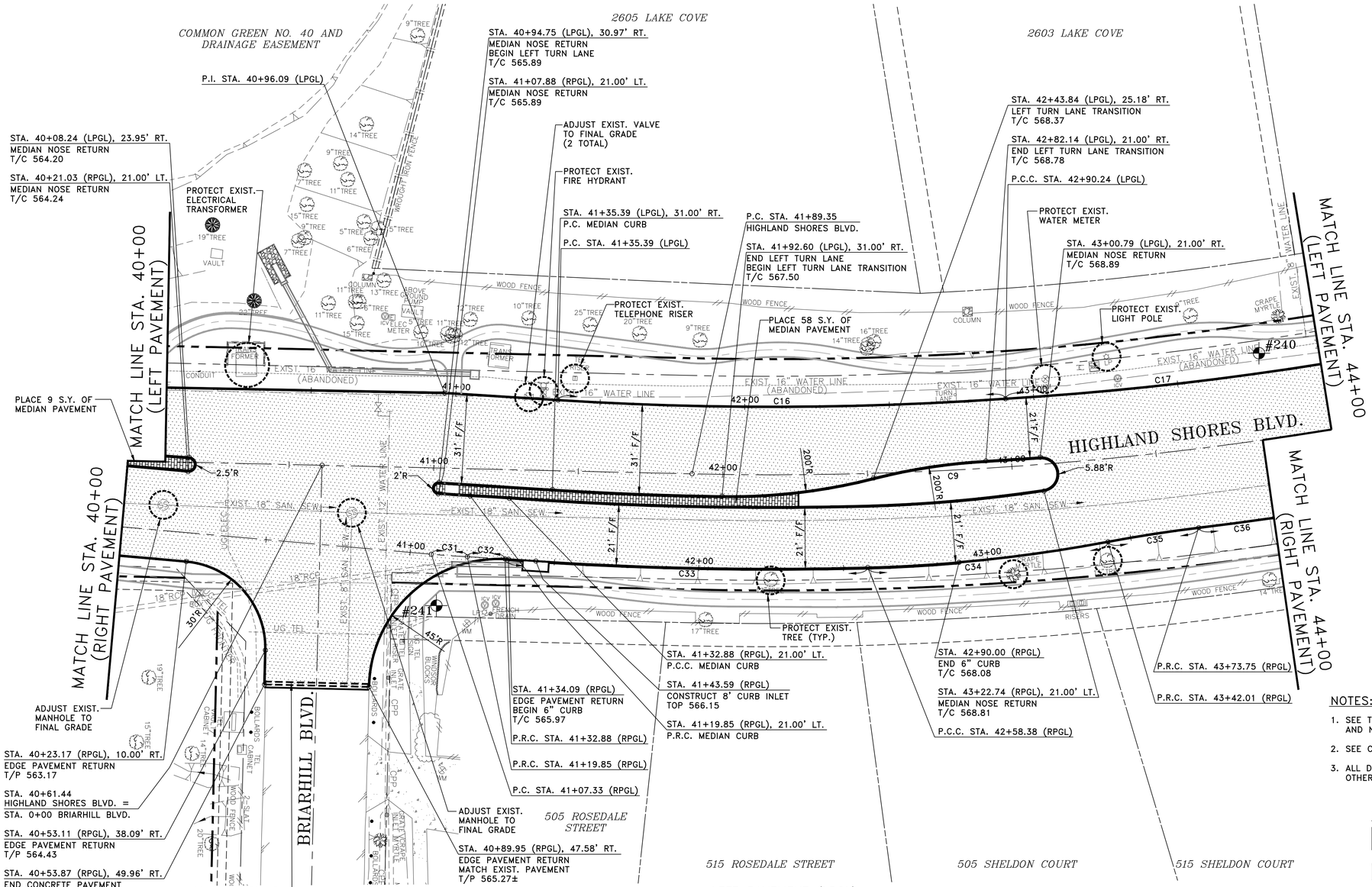
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 57

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-10



20 0 20 40
scale 1" = 20' feet

NOTES:

1. SEE TYPICAL SECTION SHEETS FOR ADDITIONAL DETAILS AND NOTES.
2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 4" (3,000 PSI) REINF. CONC. MEDIAN PAVEMENT
- SAWCUT LINE

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.I. STA. 40+96.09	7081459.1635	2408895.1613
P.C. STA. 41+35.39	7081447.9267	2408932.8223
P.C.C. STA. 42+90.24	7081413.5654	2409083.7005

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 41+07.33	7081405.8288	2408878.1331
P.R.C. STA. 41+19.85	7081402.1934	2408890.1145
P.R.C. STA. 41+32.88	7081398.5088	2408902.6096
P.C.C. STA. 42+58.38	7081367.4387	2409024.1463
P.R.C. STA. 43+42.01	7081357.3940	2409107.0866
P.R.C. STA. 43+73.75	7081355.0671	2409138.7366

HORIZONTAL AND VERTICAL CONTROL POINTS

CP#	NORTHING(Y)	EASTING(X)	ELEVATION(Z)	DESCRIPTION
240	7081409.1790	2409172.6180	566.70	1/2" I.R. W/CAP
241	7081388.1350	2408875.8630	565.46	1/2" I.R. W/CAP

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C9	1200.00'	27°06'58"	567.92'	S 89°13'54" E	562.63'

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C16	1172.50'	07°34'02"	154.85'	S 77°10'13" E	154.74'
C17	1125.00'	08°47'44"	172.70'	S 84°53'05" E	172.53'

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C31	300.00'	02°23'29"	12.52'	S 73°07'15" E	12.52'
C32	500.00'	01°29'34"	13.03'	S 73°34'13" E	13.03'
C33	1267.71'	05°40'19"	125.50'	S 75°39'35" E	125.45'
C34	521.00'	09°11'52"	83.64'	S 83°05'41" E	83.55'
C35	479.00'	03°47'48"	31.74'	S 85°47'42" E	31.74'
C36	1227.00'	05°23'22"	115.42'	S 86°35'29" E	115.37'

!! CAUTION !!

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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

PLAN - (L.P.E.) - STA. 40+00 TO STA. 44+00
PLAN - (R.P.E.) - STA. 40+00 TO STA. 44+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

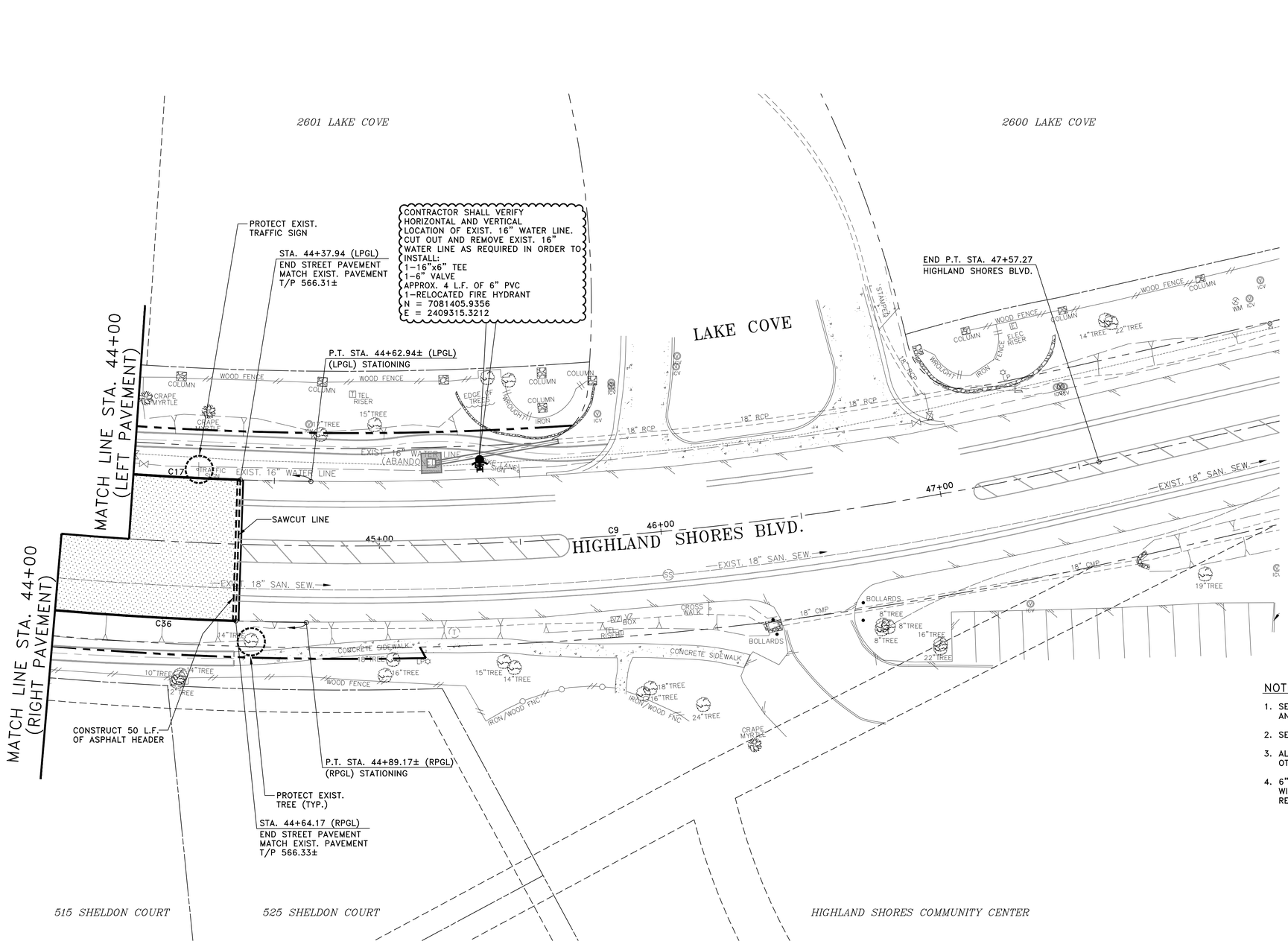
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 58

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-11



20 0 20 40
scale feet
1" = 20'

NOTES:

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2. SEE CROSS-SECTIONS FOR ADDITIONAL DETAILS.
3. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

LEGEND

8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT

SAWCUT LINE

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C9	1200.00'	27°06'58"	567.92'	S 89°13'54" E	562.63'

LEFT PAVEMENT (LPGL)

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 44+62.94±	7081398.1826	2409255.5468

LEFT PAVEMENT (LPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C17	1125.00'	08°47'44"	172.70'	S 84°53'05" E	172.53'

RIGHT PAVEMENT (RPGL)

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 44+89.17±	7081348.2075	2409253.9051

RIGHT PAVEMENT (RPGL) CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C36	1227.00'	05°23'22"	115.42'	S 86°35'29" E	115.37'

!! CAUTION !!

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PLAN - (L.P.E.) - STA. 44+00 TO STA. 44+82.94
PLAN - (R.P.E.) - STA. 44+00 TO STA. 44+89.17
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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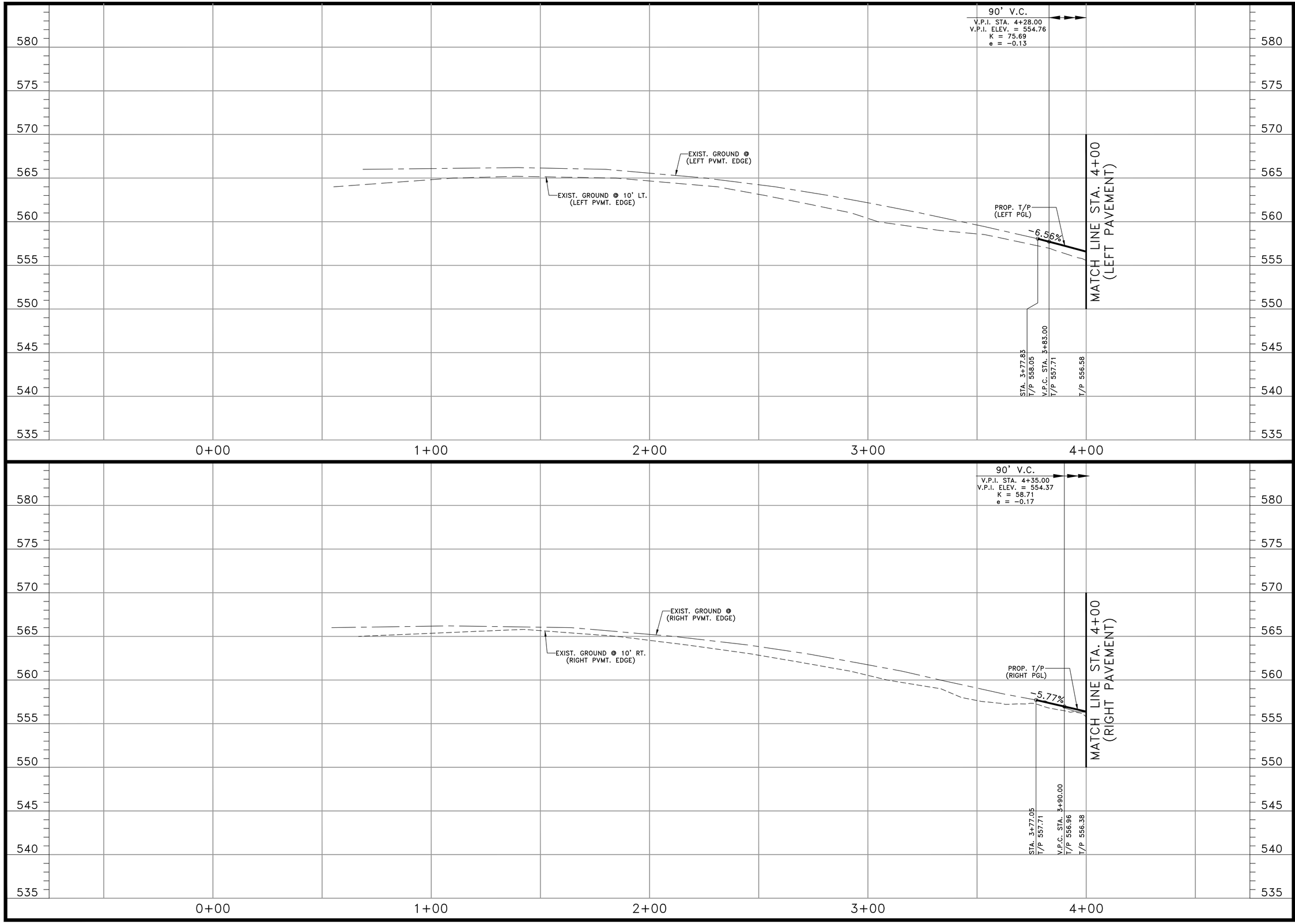
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 59

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PAV-HSBLVD-12



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 3+77.83 TO STA. 4+00
PROFILE - (RPGL) - STA. 3+77.05 TO STA. 4+00

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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

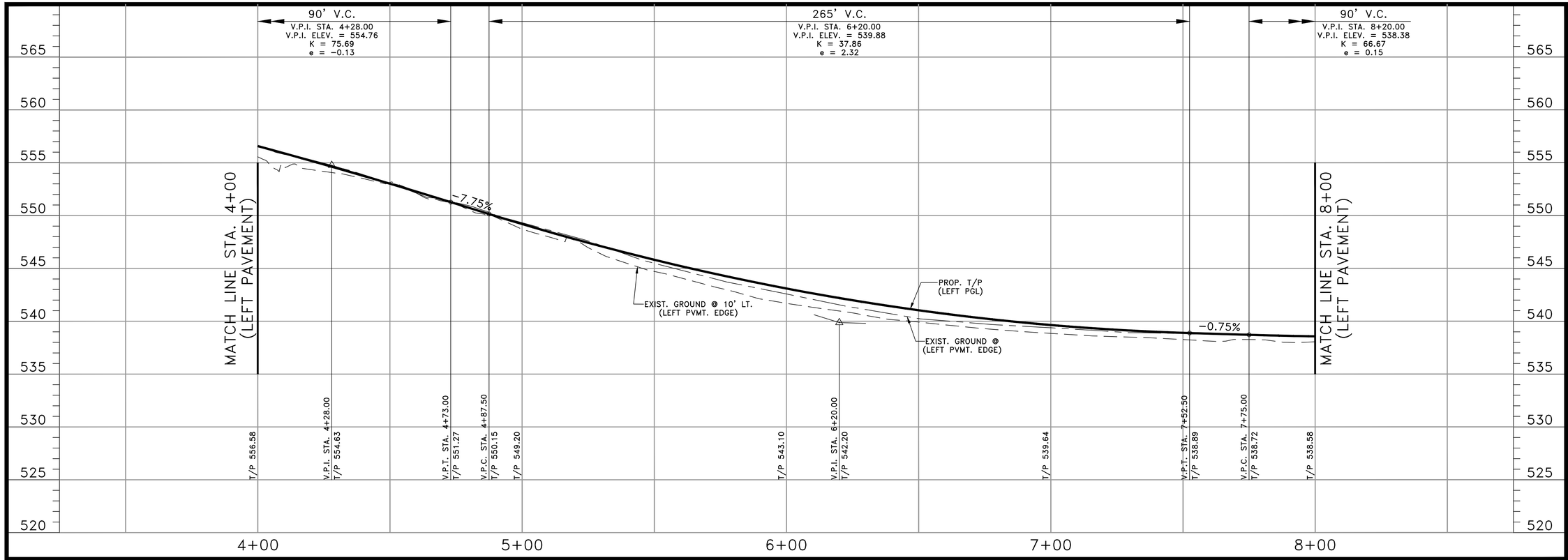
DRAWN BY:
SPI

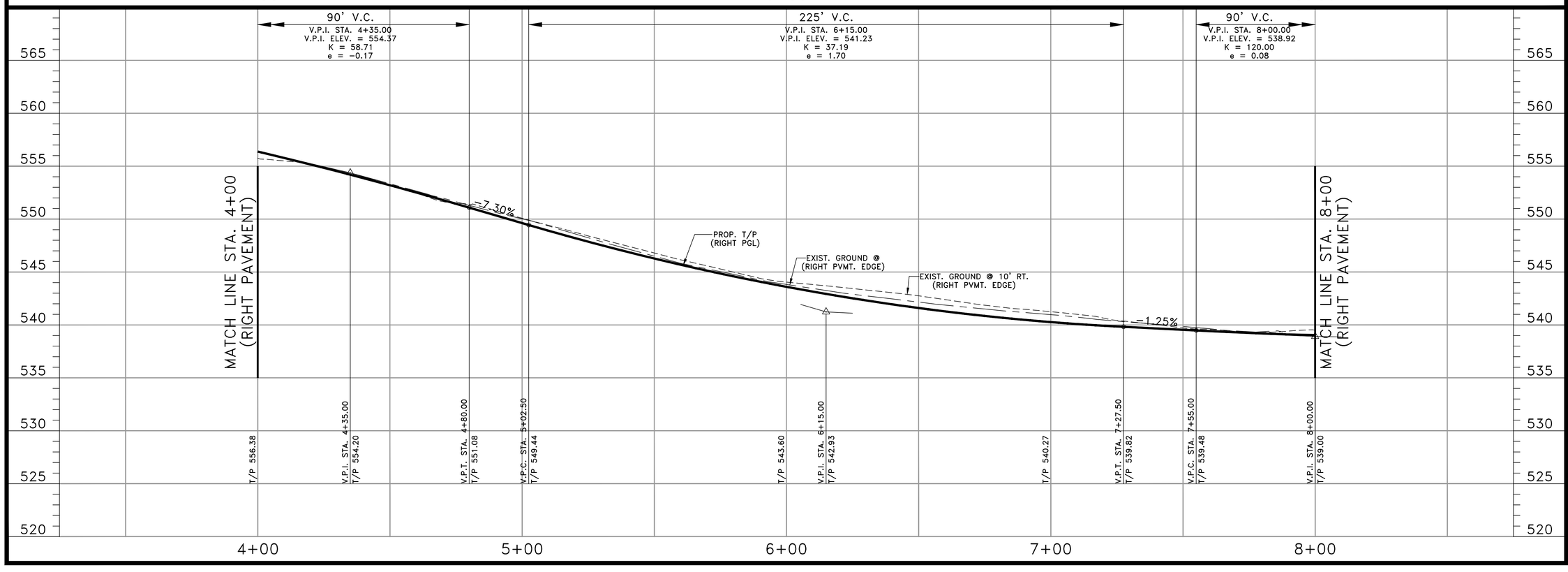
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
60

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-01





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STATE OF TEXAS
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130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 4+00 TO STA. 8+00
PROFILE - (RPGL) - STA. 4+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

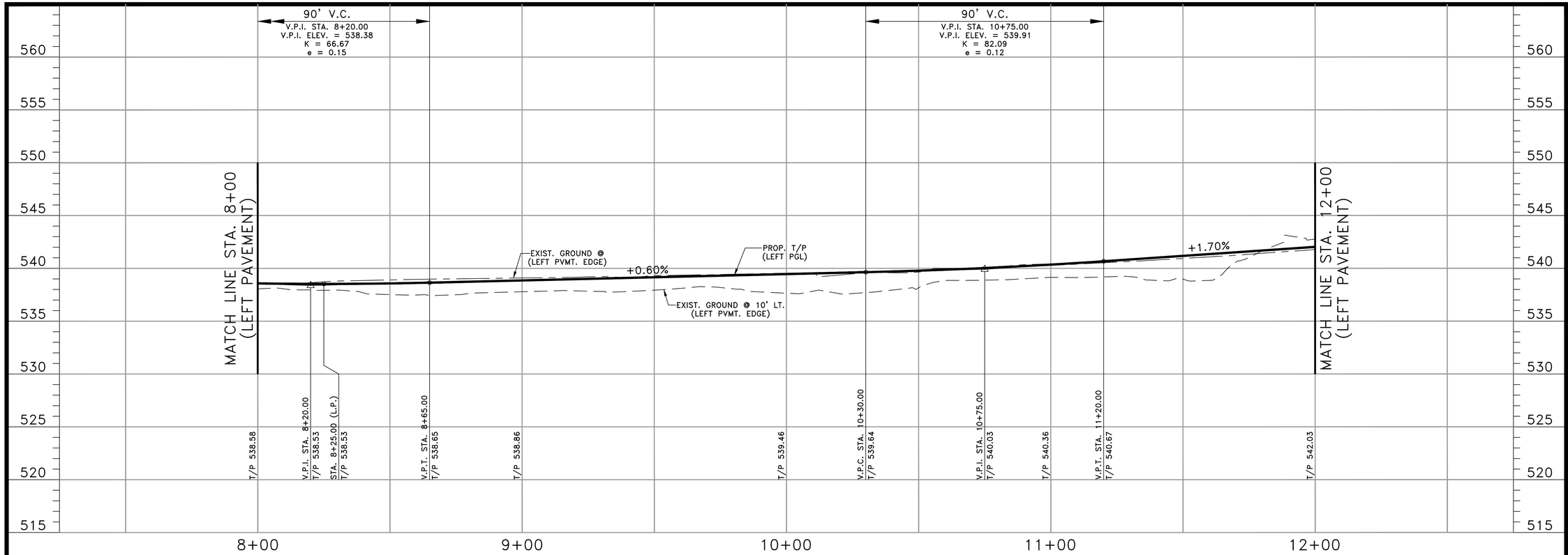
DRAWN BY:
SPI

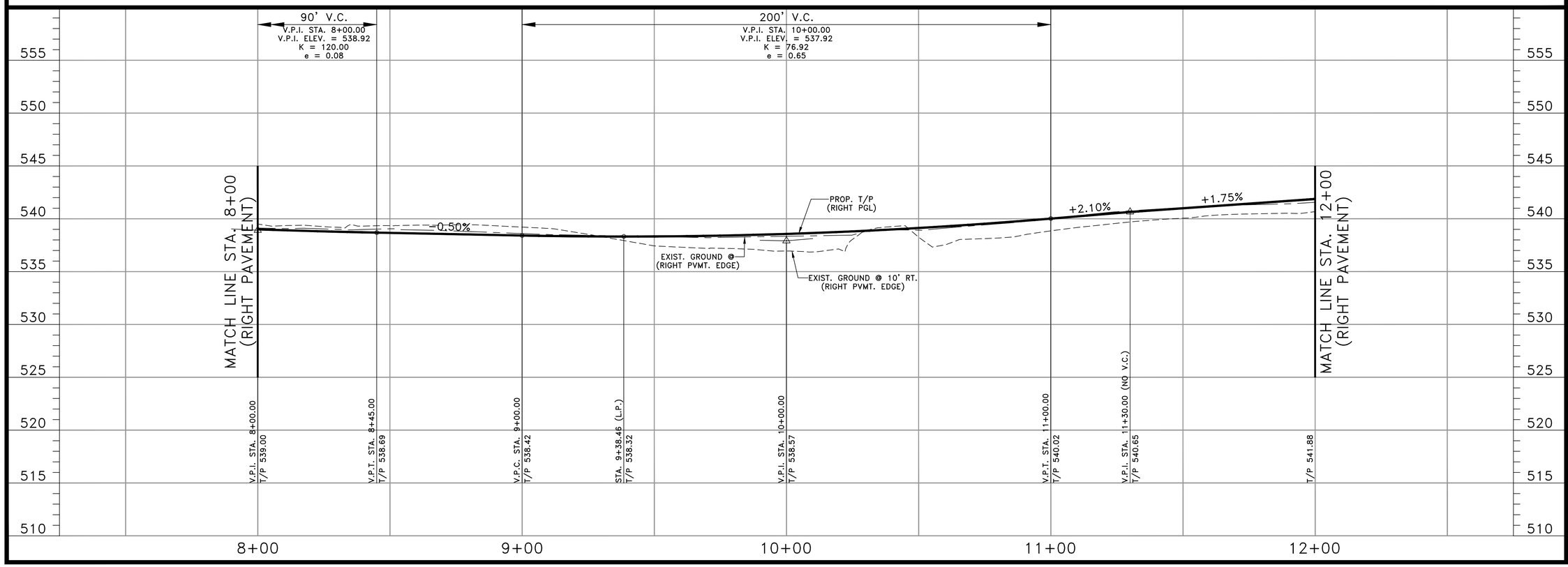
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
61

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-02





SCHAUMBURG & POLK, INC.
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KYLE I PORT ARTHUR I TERRELL I TYLER
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 8+00 TO STA. 12+00
PROFILE - (RPGL) - STA. 8+00 TO STA. 12+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

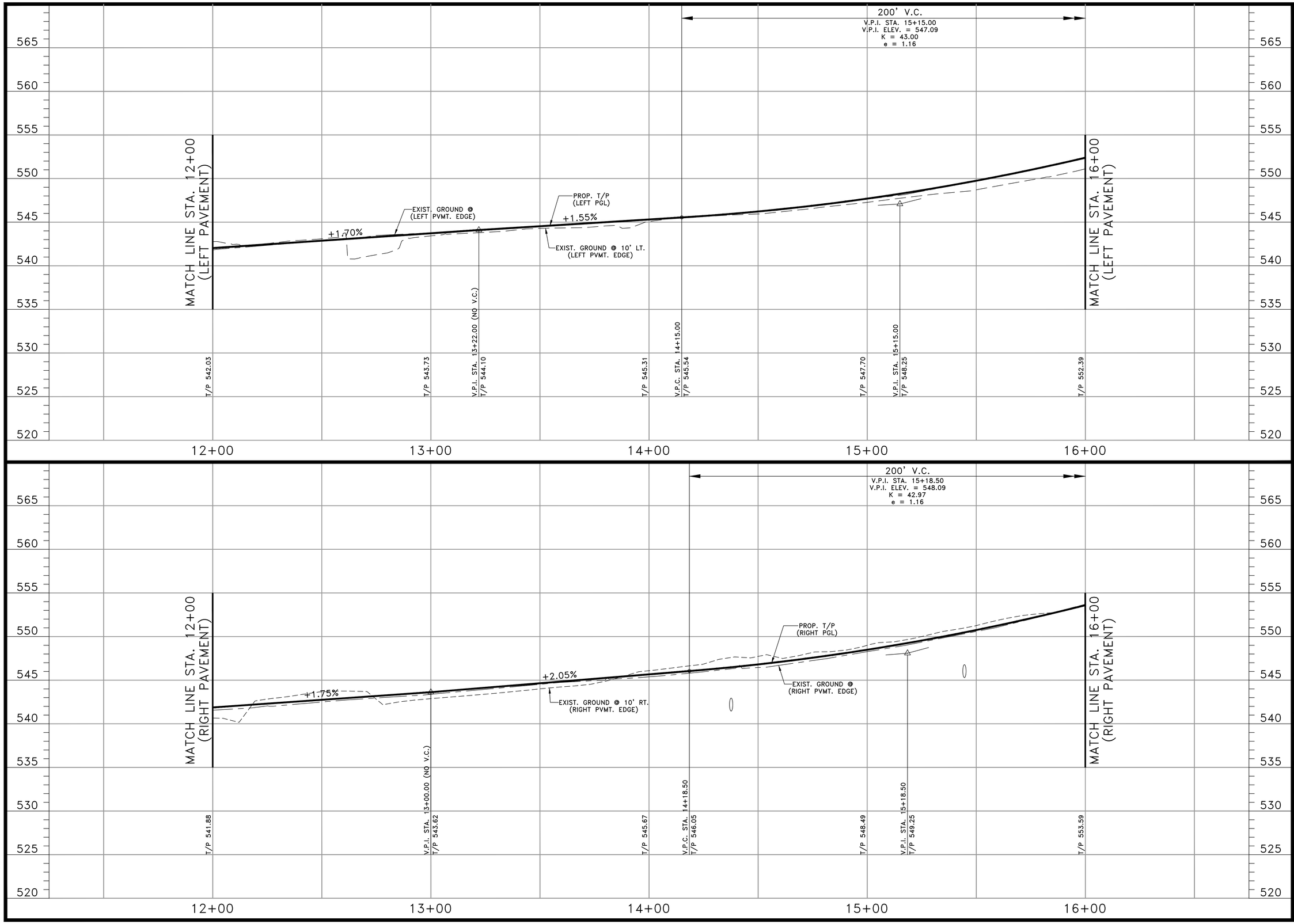
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
62

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-03



SCHAUMBURG & POLK, INC.
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KYLE I PORT ARTHUR I TERRELL I TYLER
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 12+00 TO STA. 16+00
PROFILE - (RPGL) - STA. 12+00 TO STA. 16+00

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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

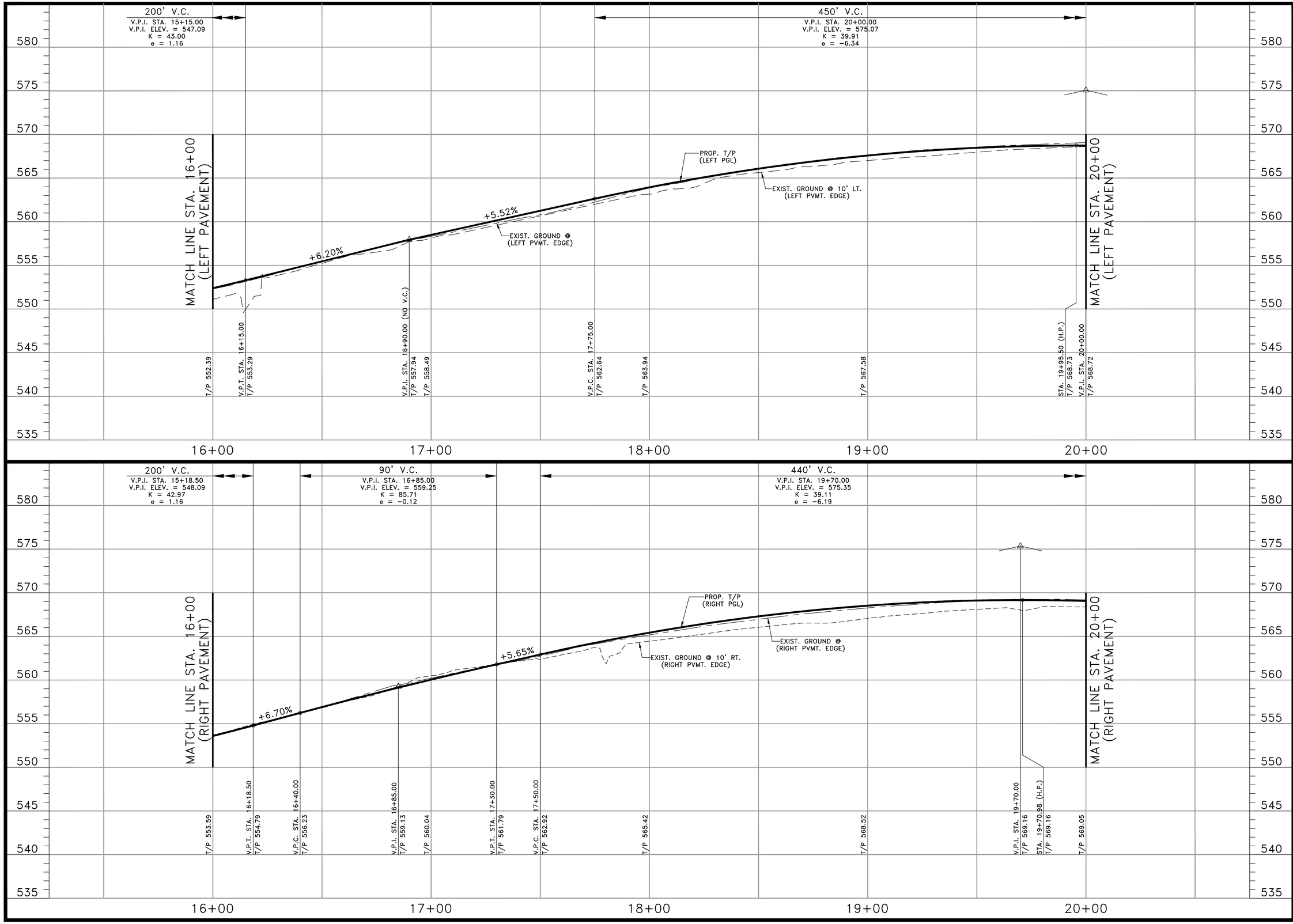
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
63

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-04



SCHAUMBURG & POLK, INC.
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

CITY OF HIGHLAND VILLAGE
HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 16+00 TO STA. 20+00
PROFILE - (RPGL) - STA. 16+00 TO STA. 20+00

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SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

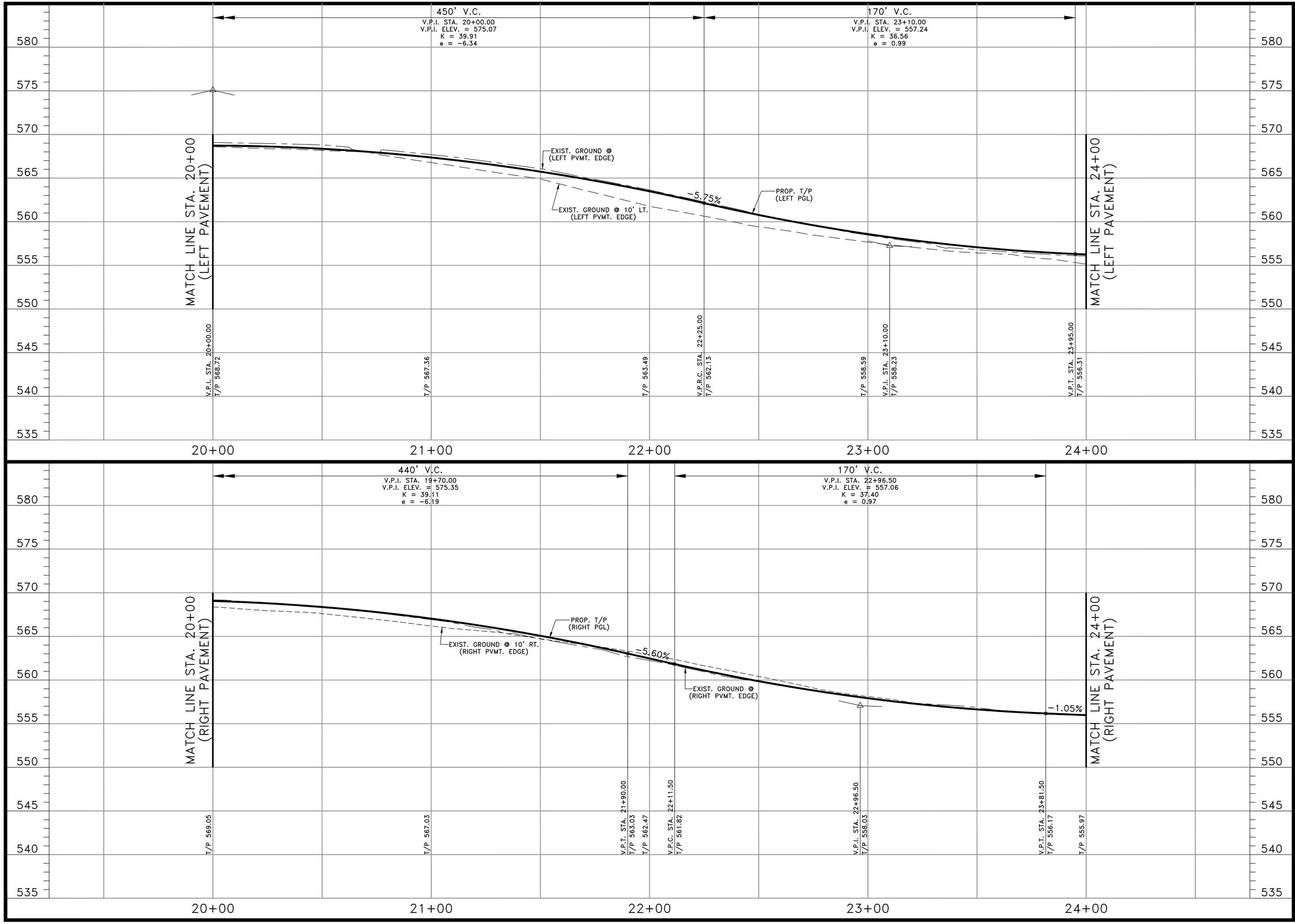
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 64

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-05



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE
HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 20+00 TO STA. 24+00
PROFILE - (RPGL) - STA. 20+00 TO STA. 24+00

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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

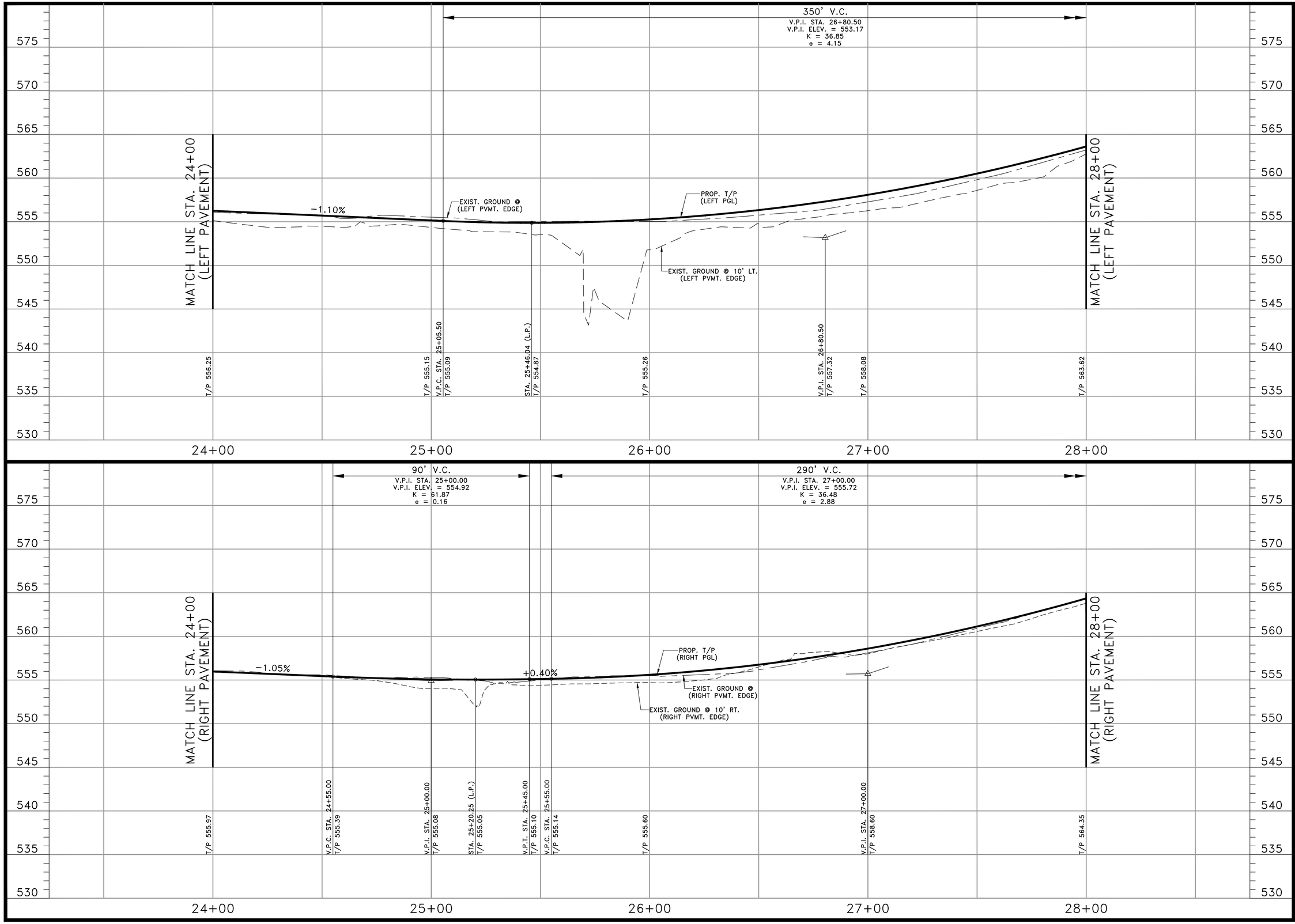
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
65

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-06



SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 24+00 TO STA. 28+00
PROFILE - (RPGL) - STA. 24+00 TO STA. 28+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
1			
2			
3			
4			
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6			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

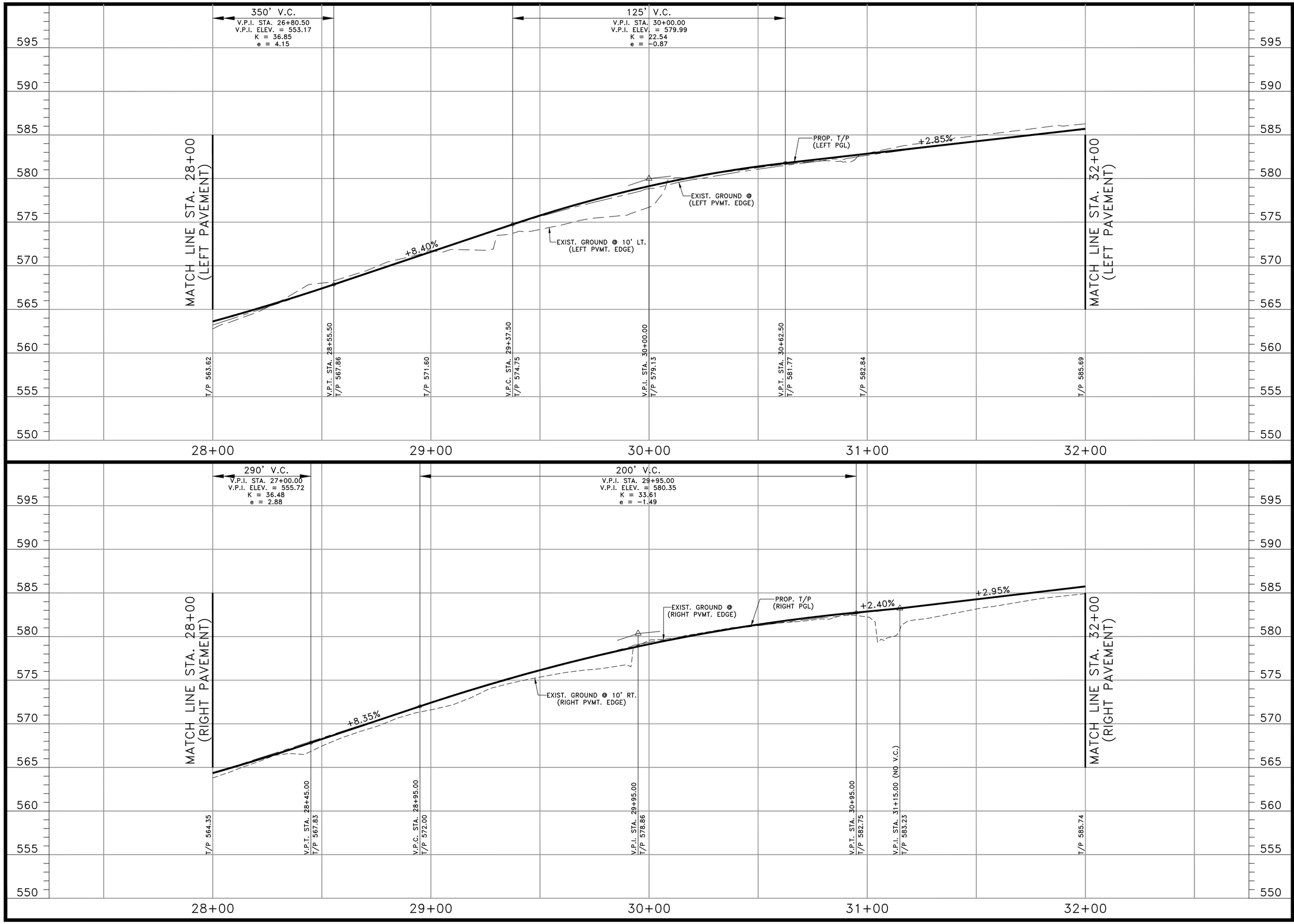
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
66

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-07



J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-08

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 28+00 TO STA. 32+00
PROFILE - (RPGL) - STA. 28+00 TO STA. 32+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
6			
5			
4			
3			
2			
1			

SCALE:
(H)1"=20', (V)1"=5'

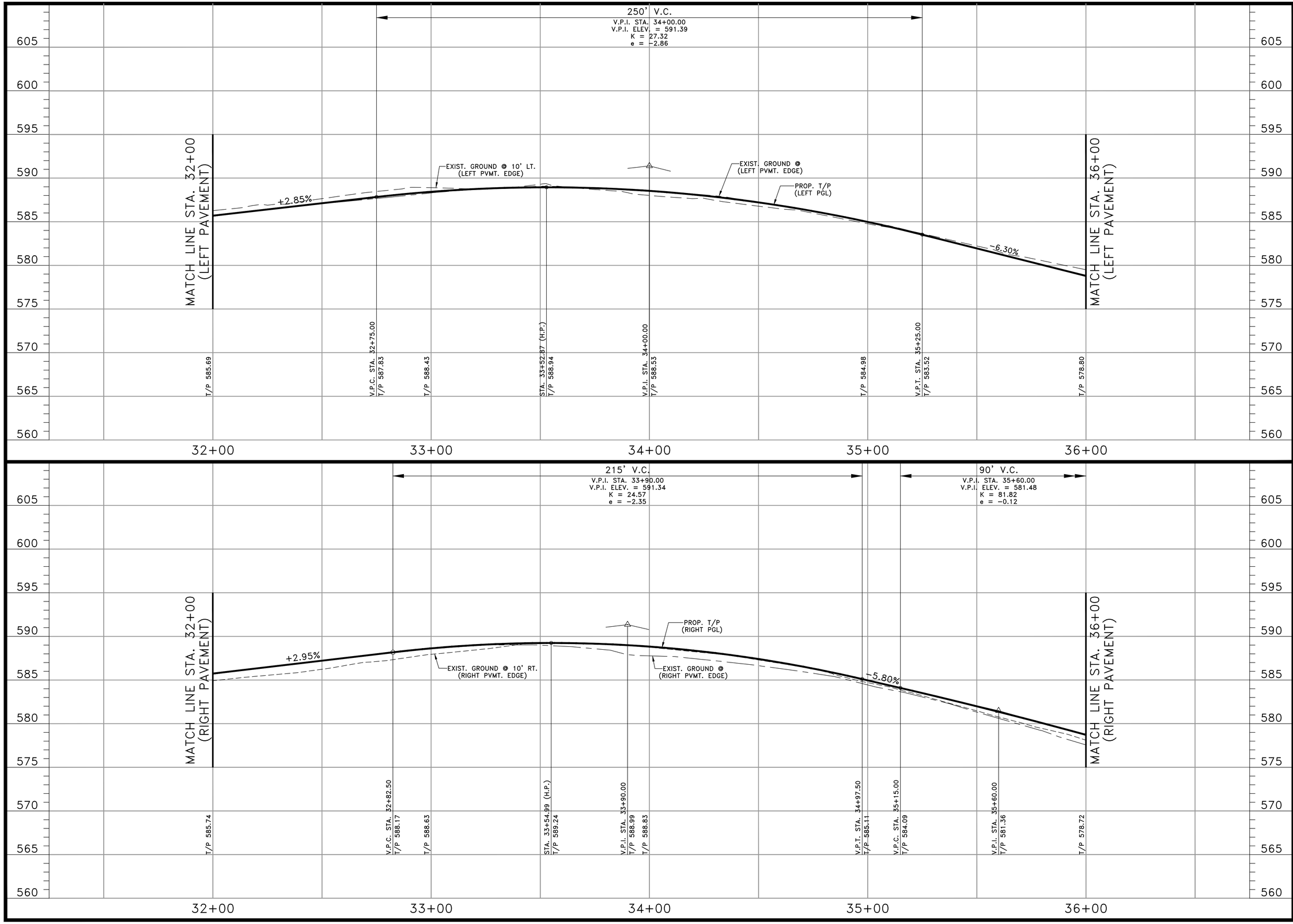
DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
67



J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-09

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 32+00 TO STA. 36+00
PROFILE - (RPGL) - STA. 32+00 TO STA. 36+00

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
(H)1"=20', (V)1"=5'

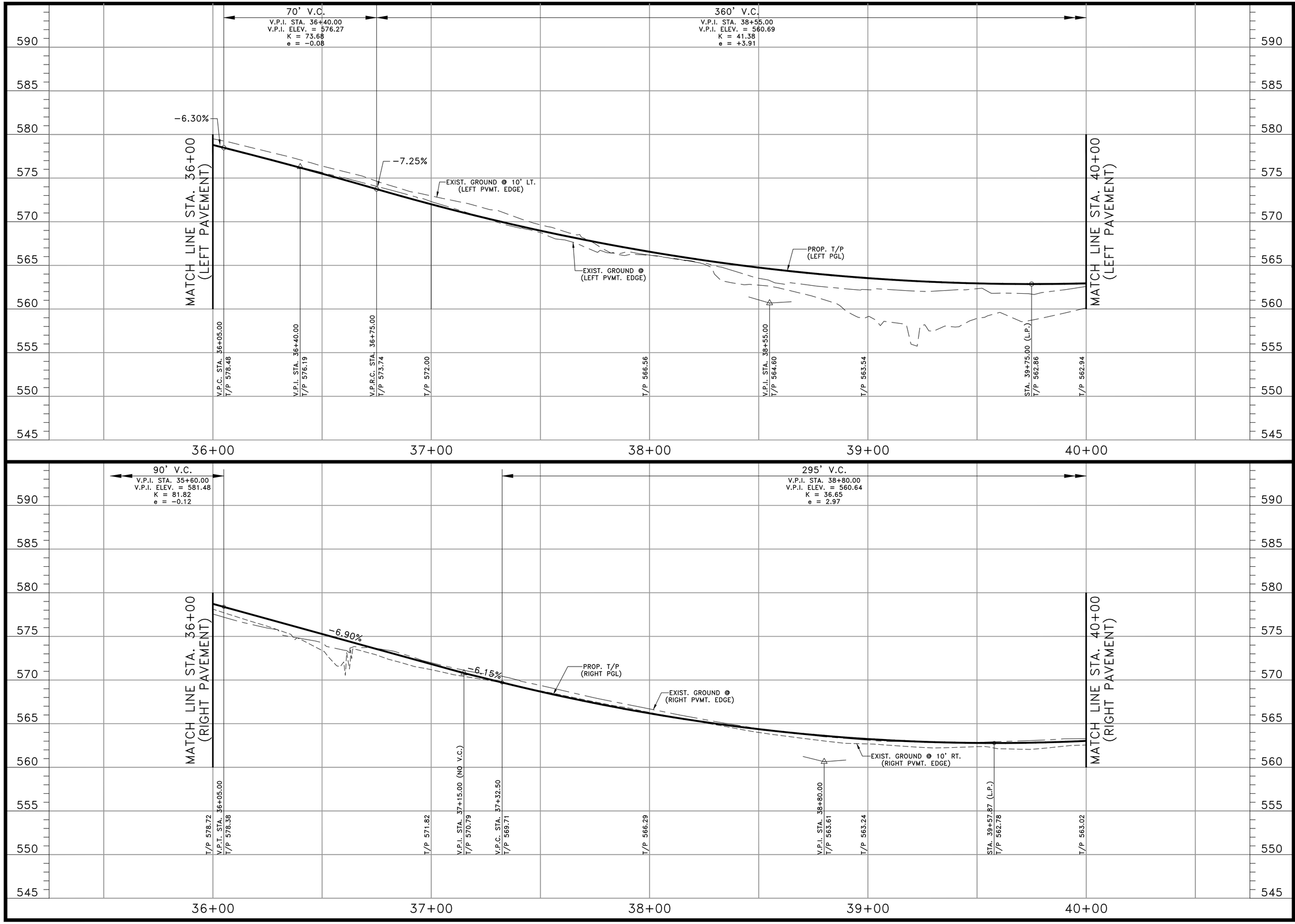
DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
68



SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 36+00 TO STA. 40+00
PROFILE - (RPGL) - STA. 36+00 TO STA. 40+00

NO.:	DATE:	REVISION:	REVIEWED:
1			
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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

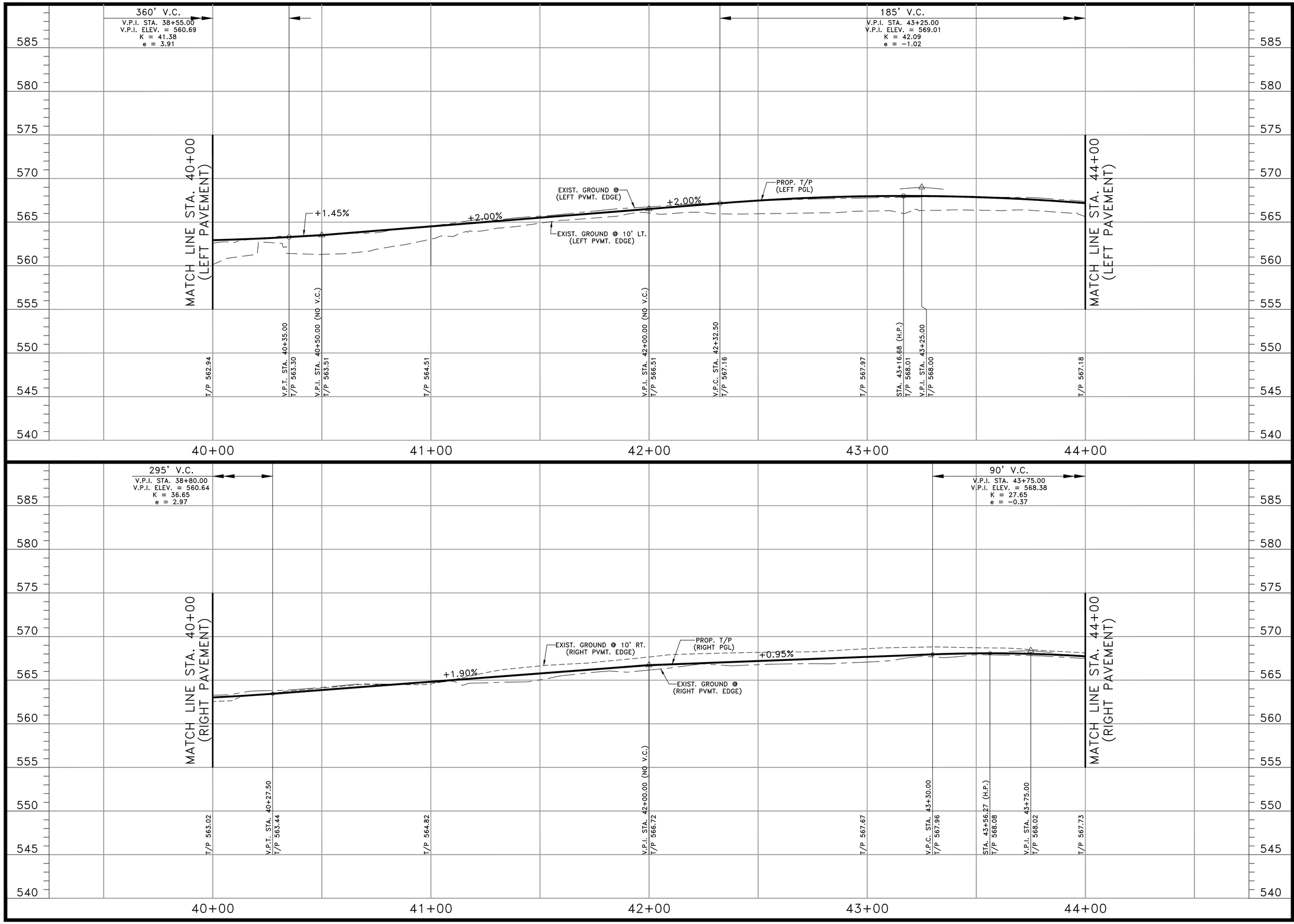
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
69

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-10



SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Richardson, Texas 75080
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 40+00 TO STA. 44+00
PROFILE - (RPGL) - STA. 40+00 TO STA. 44+00

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

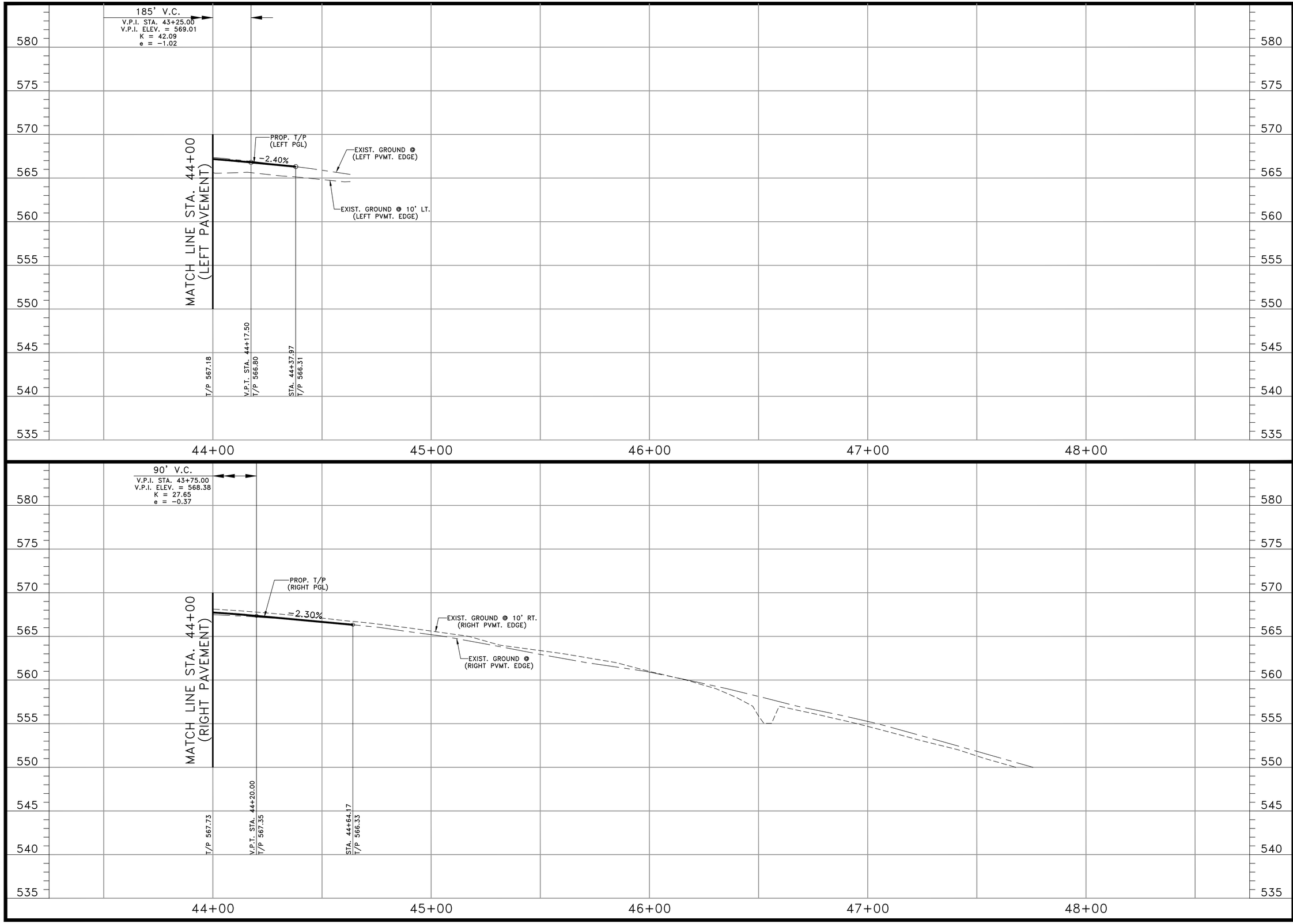
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
70

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-11



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO
200'± WEST OF LAKE COVE)
PROFILE - (LPGL) - STA. 44+00 TO STA. 44+37.94
PROFILE - (RPGL) - STA. 44+00 TO STA. 44+64.17

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
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6			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

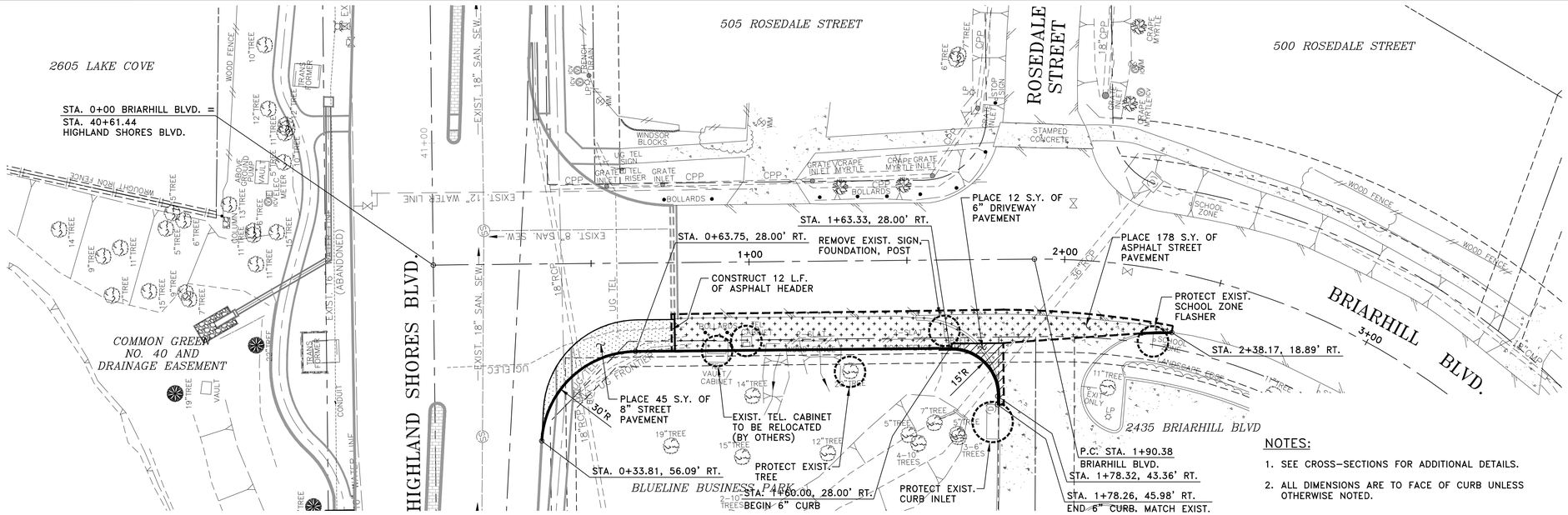
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
71

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PROF-HSBLVD-12



LEGEND

- 8" CLASS 'P1' (4,000 PSI) REINF. CONC. STREET PAVEMENT
- 6" CLASS 'P1' (4,000 PSI) REINF. CONC. DRIVEWAY PAVEMENT
- ASPHALT PAVEMENT 1–1/2" TYPE 'D' OVER 2–2" TYPE 'B'
- SAWCUT LINE

!! CAUTION !!

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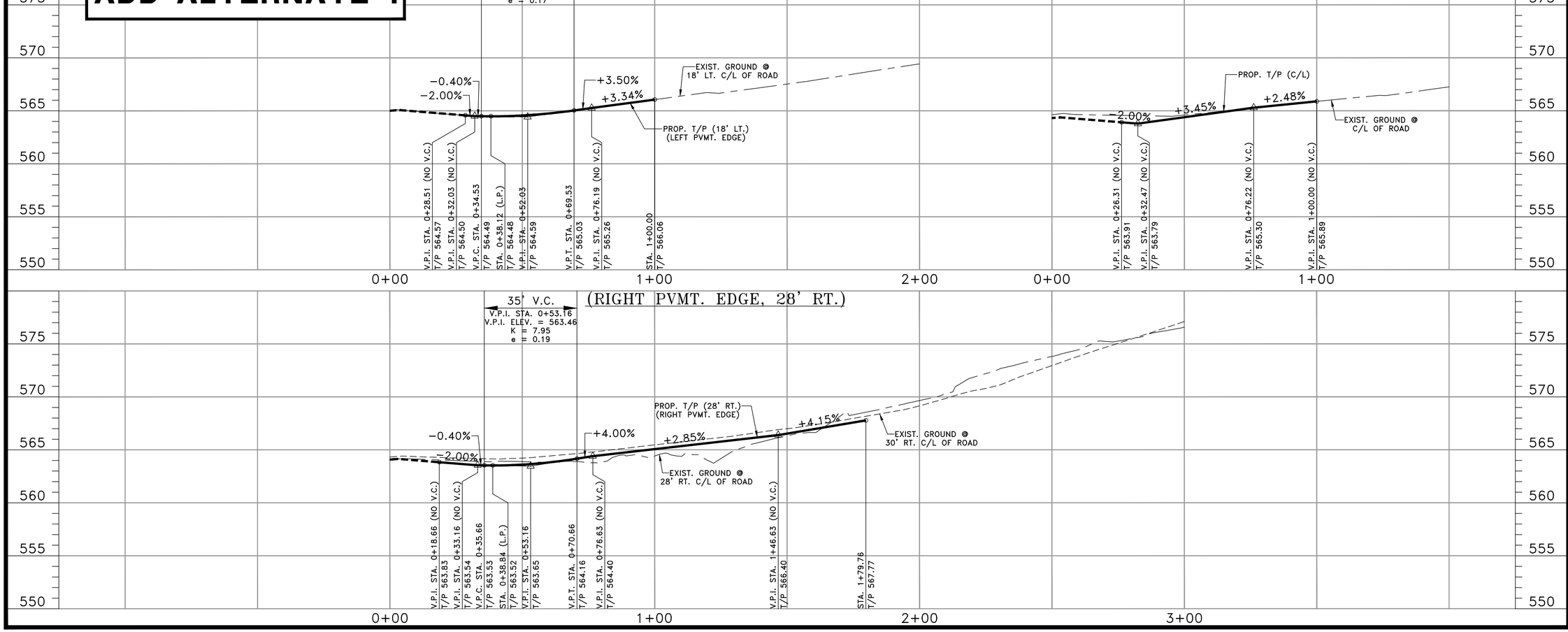
NOTES:

1. SEE CROSS–SECTIONS FOR ADDITIONAL DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

ADD ALTERNATE 1



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
BRIARHILL BLVD. - PAVING PLAN AND PROFILE
STA. 0+00 TO STA. 3+55.05
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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6			

SCALE: (H)1"=20', (V)1"=5'

DATE: JULY 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 72

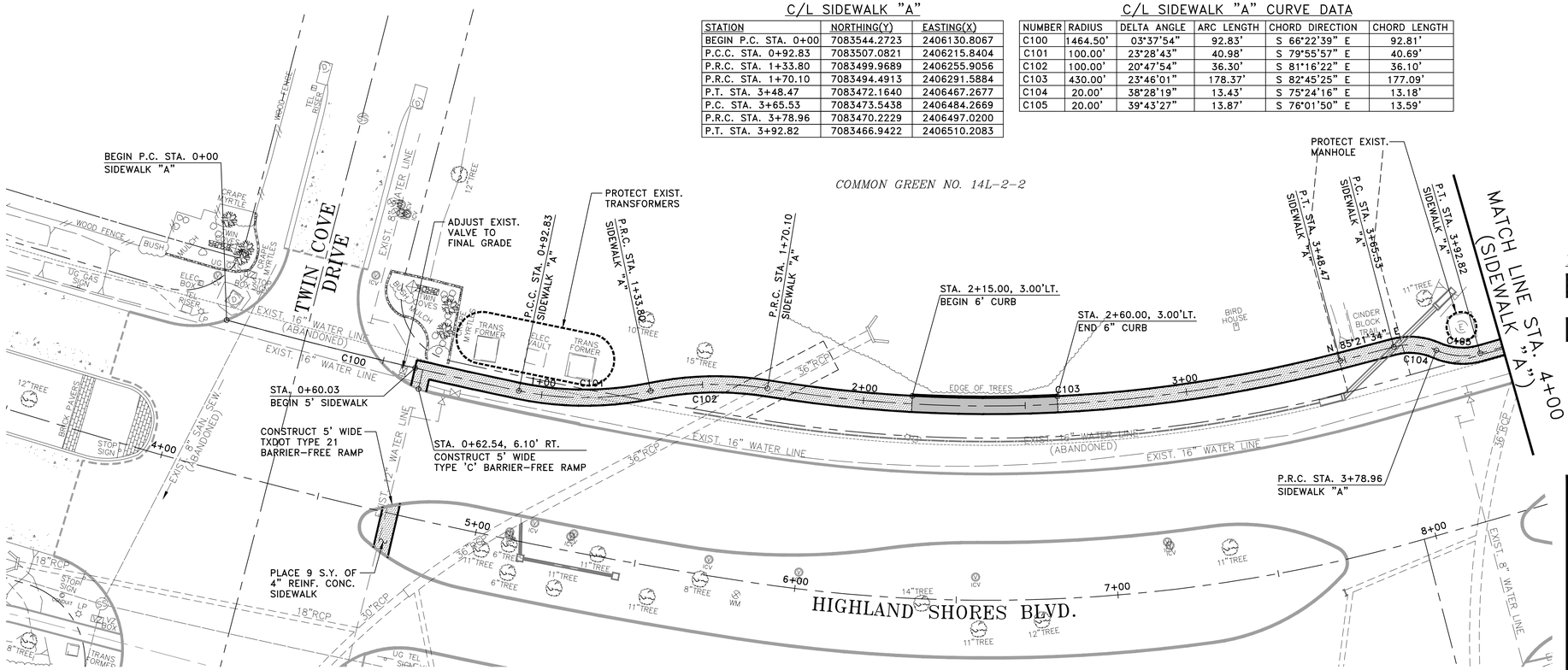
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-BRIARHILL-01

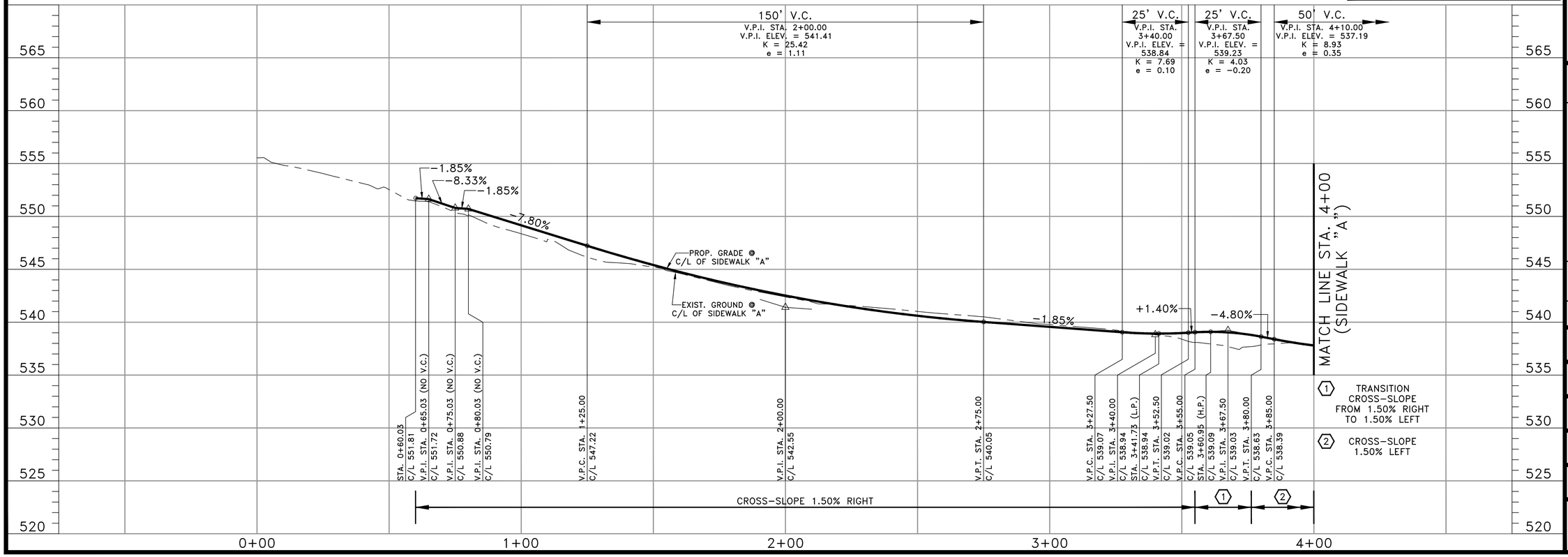
C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
BEGIN P.C. STA. 0+00	7083544.2723	2406130.8067
P.C.C. STA. 0+92.83	7083507.0821	2406215.8404
P.R.C. STA. 1+33.80	7083499.9689	2406255.9056
P.R.C. STA. 1+70.10	7083494.4913	2406291.5884
P.T. STA. 3+48.47	7083472.1640	2406467.2677
P.C. STA. 3+65.53	7083473.5438	2406484.2669
P.R.C. STA. 3+78.96	7083470.2229	2406497.0200
P.T. STA. 3+92.82	7083466.9422	2406510.2083

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C100	1464.50'	03°37'54"	92.83'	S 66°22'39" E	92.81'
C101	100.00'	23°28'43"	40.98'	S 79°55'57" E	40.69'
C102	100.00'	20°47'54"	36.30'	S 81°16'22" E	36.10'
C103	430.00'	23°46'01"	178.37'	S 82°45'25" E	177.09'
C104	20.00'	38°28'19"	13.43'	S 75°24'16" E	13.18'
C105	20.00'	39°43'27"	13.87'	S 76°01'50" E	13.59'





20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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SCHAUMBURG & POLK, INC.
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 0+00 TO STA. 4+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 73

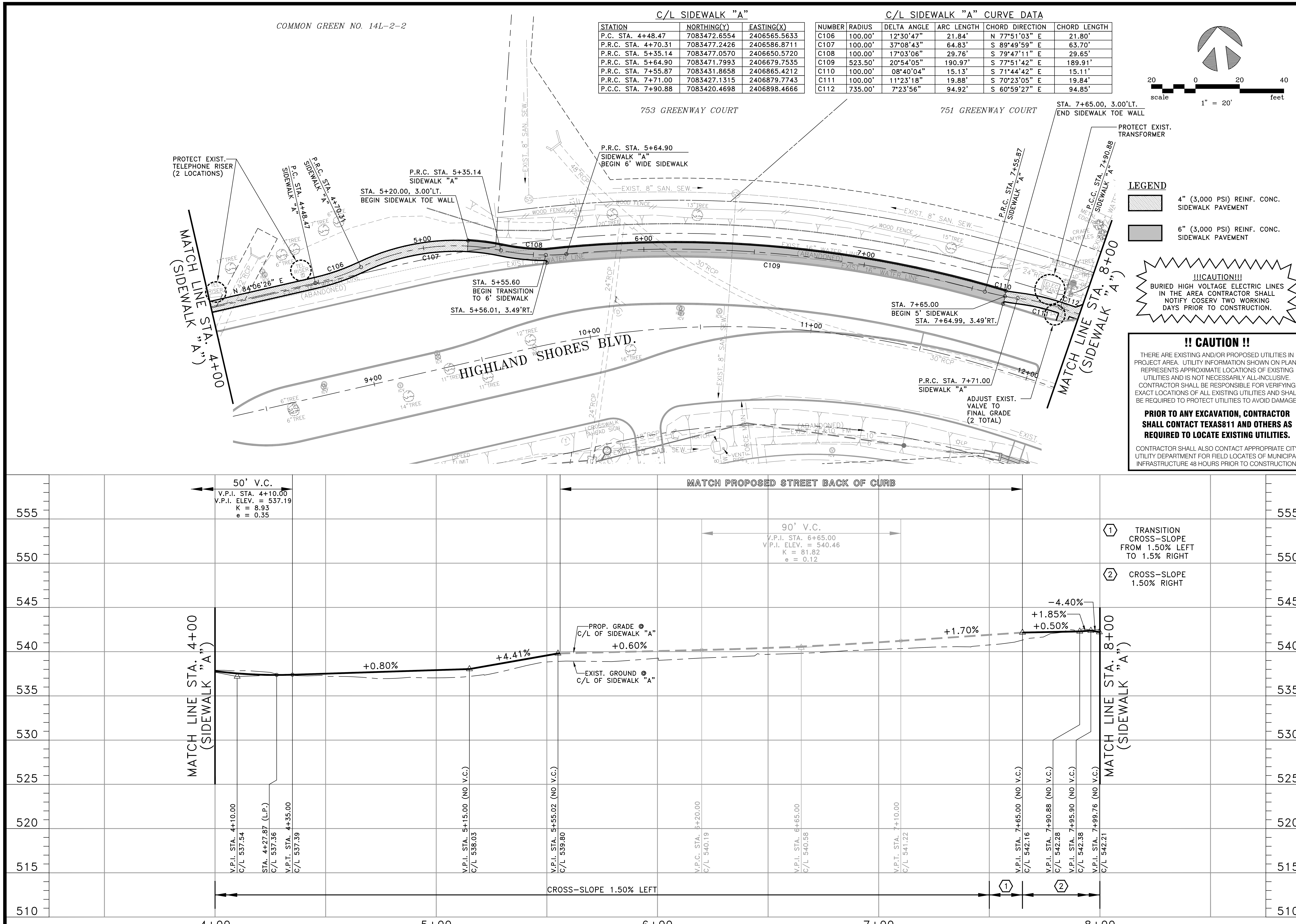
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-01

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 4+48.47	7083472.6554	2406565.5633
P.R.C. STA. 4+70.31	7083477.2426	2406586.8711
P.R.C. STA. 5+35.14	7083477.0570	2406650.5720
P.R.C. STA. 5+64.90	7083471.7993	2406679.7535
P.R.C. STA. 7+55.87	7083431.8658	2406865.4212
P.R.C. STA. 7+71.00	7083427.1315	2406879.7743
P.C.C. STA. 7+90.88	7083420.4698	2406898.4666

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C106	100.00'	12°30'47"	21.84'	N 77°51'03" E	21.80'
C107	100.00'	37°08'43"	64.83'	S 89°49'59" E	63.70'
C108	100.00'	17°03'06"	29.76'	S 79°47'11" E	29.65'
C109	523.50'	20°54'05"	190.97'	S 77°51'42" E	189.91'
C110	100.00'	08°40'04"	15.13'	S 71°44'42" E	15.11'
C111	100.00'	11°23'18"	19.88'	S 70°23'05" E	19.84'
C112	735.00'	7°23'56"	94.92'	S 60°59'27" E	94.85'



!!!CAUTION!!!

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SPI
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 4+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 74

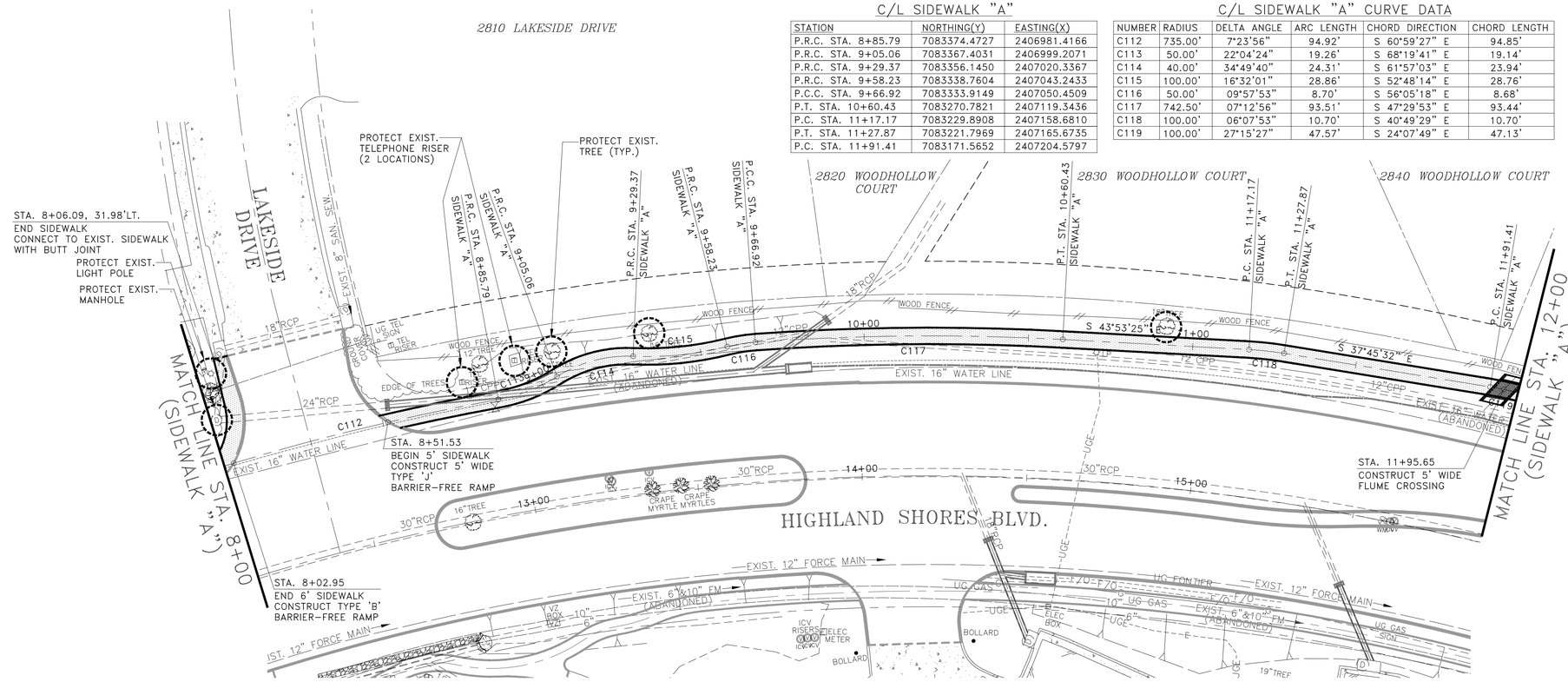
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-02

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.R.C. STA. 8+85.79	7083374.4727	2406981.4166
P.R.C. STA. 9+05.06	7083367.4031	2406999.2071
P.R.C. STA. 9+29.37	7083356.1450	2407020.3367
P.R.C. STA. 9+58.23	7083338.7604	2407043.2433
P.C.C. STA. 9+66.92	7083333.9149	2407050.4509
P.T. STA. 10+60.43	7083270.7821	2407119.3436
P.C. STA. 11+17.17	7083229.8908	2407158.6810
P.T. STA. 11+27.87	7083221.7969	2407165.6735
P.C. STA. 11+91.41	7083171.5652	2407204.5797

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C112	735.00'	7°23'56"	94.92'	S 60°59'27" E	94.85'
C113	50.00'	22°04'24"	19.26'	S 68°19'41" E	19.14'
C114	40.00'	34°49'40"	24.31'	S 61°57'03" E	23.94'
C115	100.00'	16°32'01"	28.86'	S 52°48'14" E	28.76'
C116	50.00'	09°57'53"	8.70'	S 56°05'18" E	8.68'
C117	742.50'	07°12'56"	93.51'	S 47°29'53" E	93.44'
C118	100.00'	06°07'53"	10.70'	S 40°49'29" E	10.70'
C119	100.00'	27°15'27"	47.57'	S 24°07'49" E	47.13'



20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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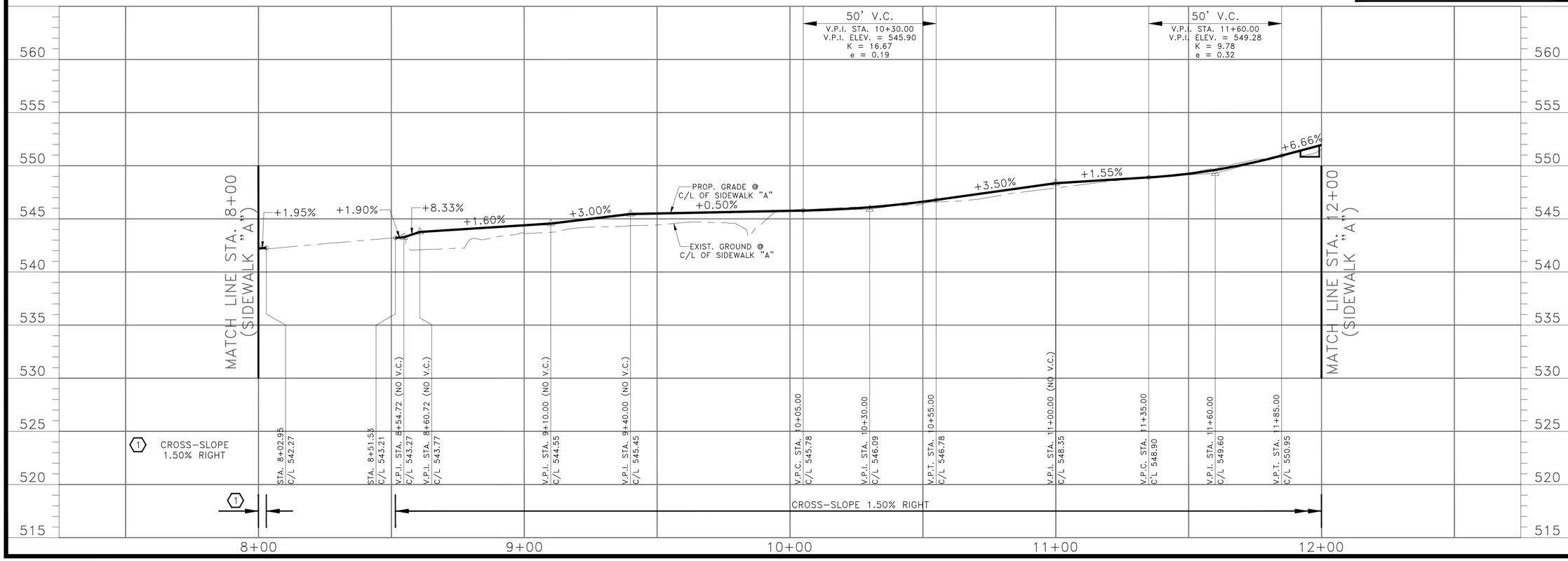

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-03

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE STA. 8+00 TO STA. 12+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
7			
6			
5			
4			
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1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 75

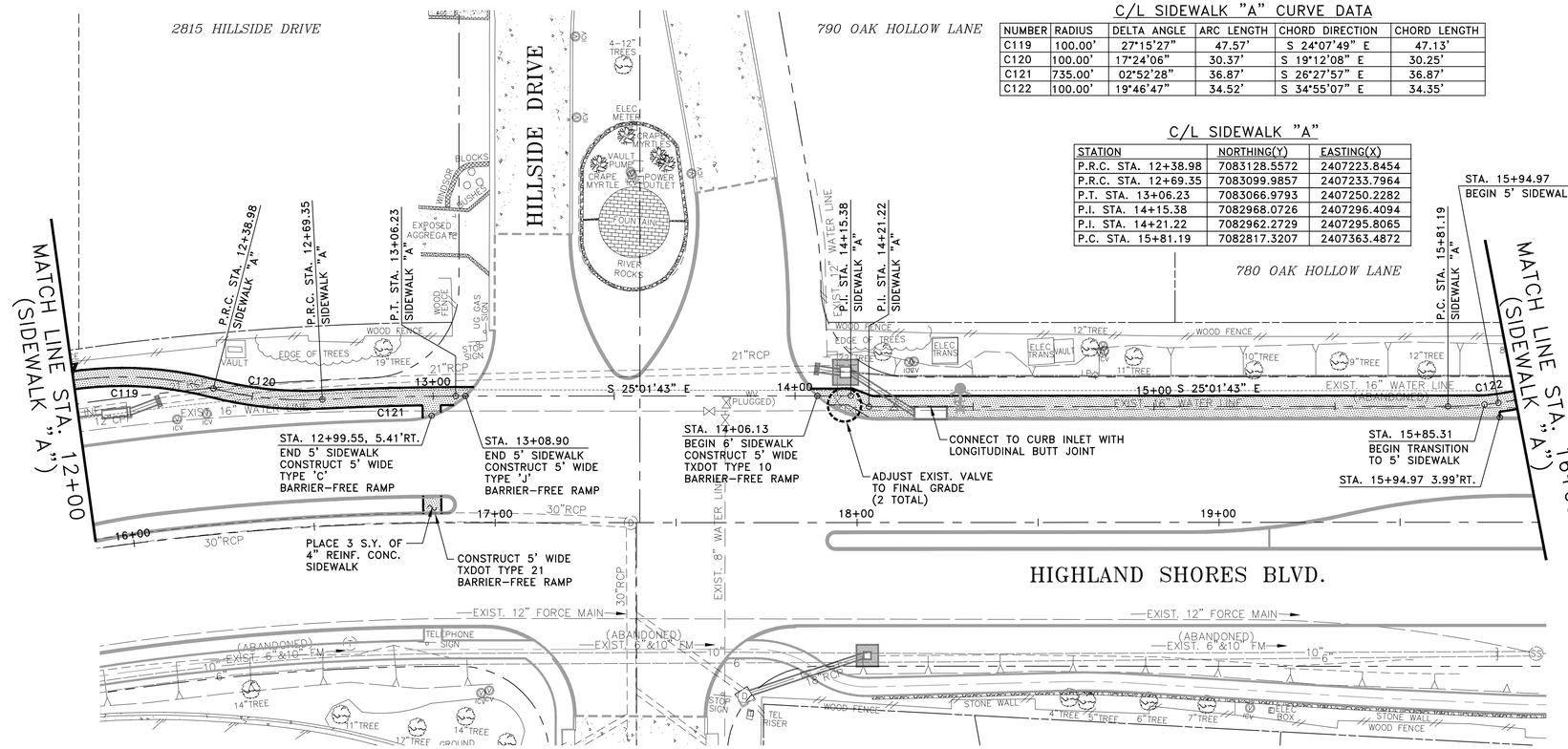
C/L SIDEWALK "A" CURVE DATA

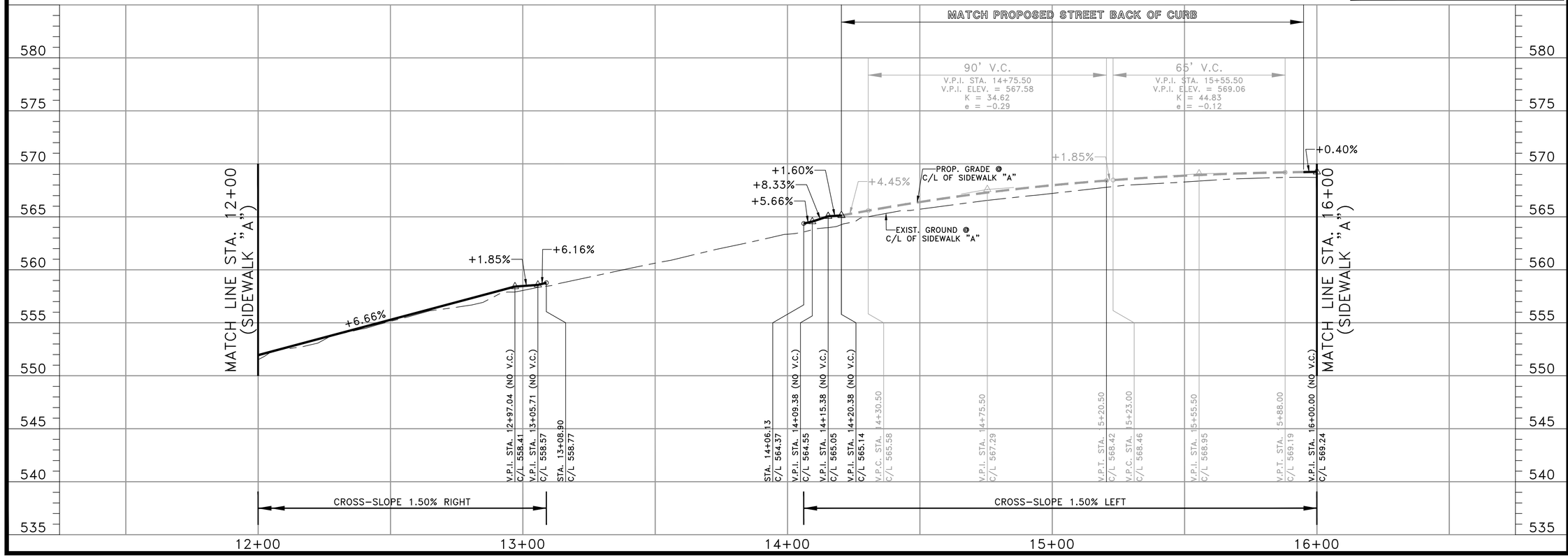
NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C119	100.00'	27°15'27"	47.57'	S 24°07'49" E	47.13'
C120	100.00'	17°24'06"	30.37'	S 19°12'08" E	30.25'
C121	735.00'	02°52'28"	36.87'	S 26°27'57" E	36.87'
C122	100.00'	19°46'47"	34.52'	S 34°55'07" E	34.35'

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.R.C. STA. 12+38.98	7083128.5572	2407223.8454
P.R.C. STA. 12+69.35	7083099.9857	2407233.7964
P.T. STA. 13+06.23	7083066.9793	2407250.2282
P.I. STA. 14+15.38	7082968.0726	2407296.4094
P.I. STA. 14+21.22	7082962.2729	2407295.8065
P.C. STA. 15+81.19	7082817.3207	2407363.4872

SC1 0 SC2 SC3
scale SCALE feet





LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY CoSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 12+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
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6			

SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 76

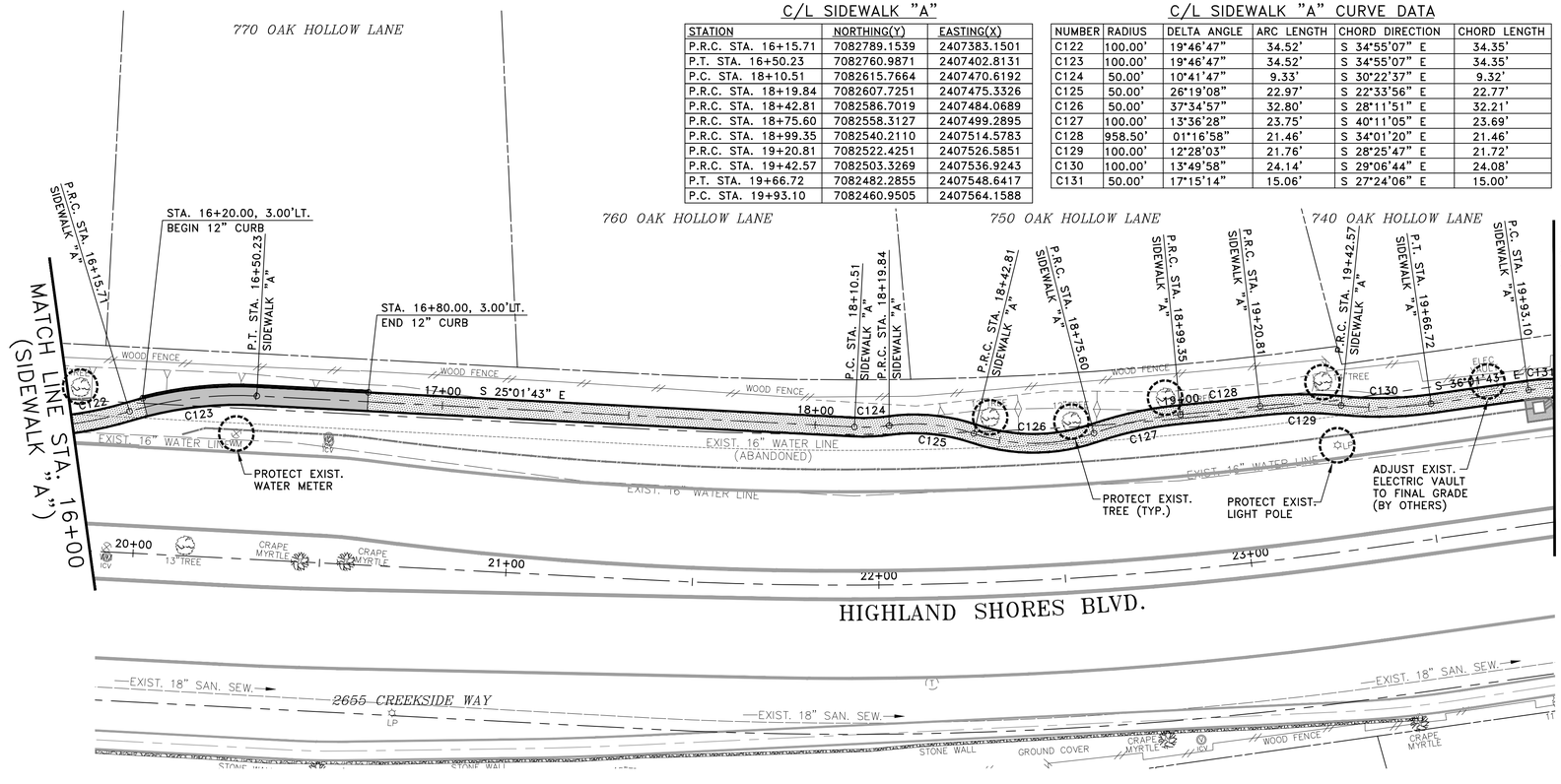
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK -A-04

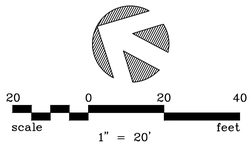
C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.R.C. STA. 16+15.71	7082789.1539	2407383.1501
P.T. STA. 16+50.23	7082760.9871	2407402.8131
P.C. STA. 18+10.51	7082615.7664	2407470.6192
P.R.C. STA. 18+19.84	7082607.7251	2407475.3326
P.R.C. STA. 18+42.81	7082586.7019	2407484.0689
P.R.C. STA. 18+75.60	7082558.3127	2407499.2895
P.R.C. STA. 18+99.35	7082540.2110	2407514.5783
P.R.C. STA. 19+20.81	7082522.4251	2407526.5851
P.R.C. STA. 19+42.57	7082503.3269	2407536.9243
P.T. STA. 19+66.72	7082482.2855	2407548.6417
P.C. STA. 19+93.10	7082460.9505	2407564.1588

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C122	100.00'	19°46'47"	34.52'	S 34°55'07" E	34.35'
C123	100.00'	19°46'47"	34.52'	S 34°55'07" E	34.35'
C124	50.00'	10°41'47"	9.33'	S 30°22'37" E	9.32'
C125	50.00'	26°19'08"	22.97'	S 22°33'56" E	22.77'
C126	50.00'	37°34'57"	32.80'	S 28°11'51" E	32.21'
C127	100.00'	13°36'28"	23.75'	S 40°11'05" E	23.69'
C128	958.50'	01°16'58"	21.46'	S 34°01'20" E	21.46'
C129	100.00'	12°28'03"	21.76'	S 28°25'47" E	21.72'
C130	100.00'	13°49'58"	24.14'	S 29°06'44" E	24.08'
C131	50.00'	17°15'14"	15.06'	S 27°24'06" E	15.00'





LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
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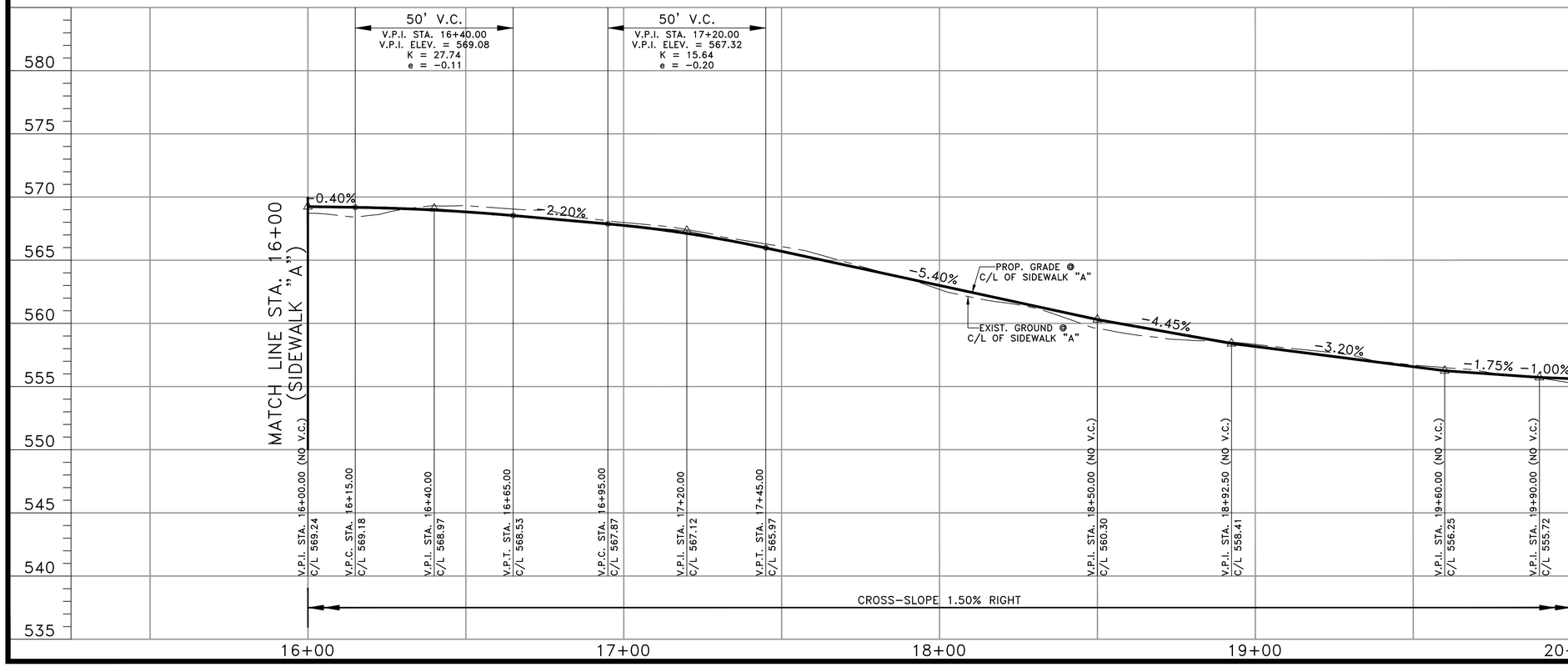

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE STA. 16+00 TO STA. 20+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 77

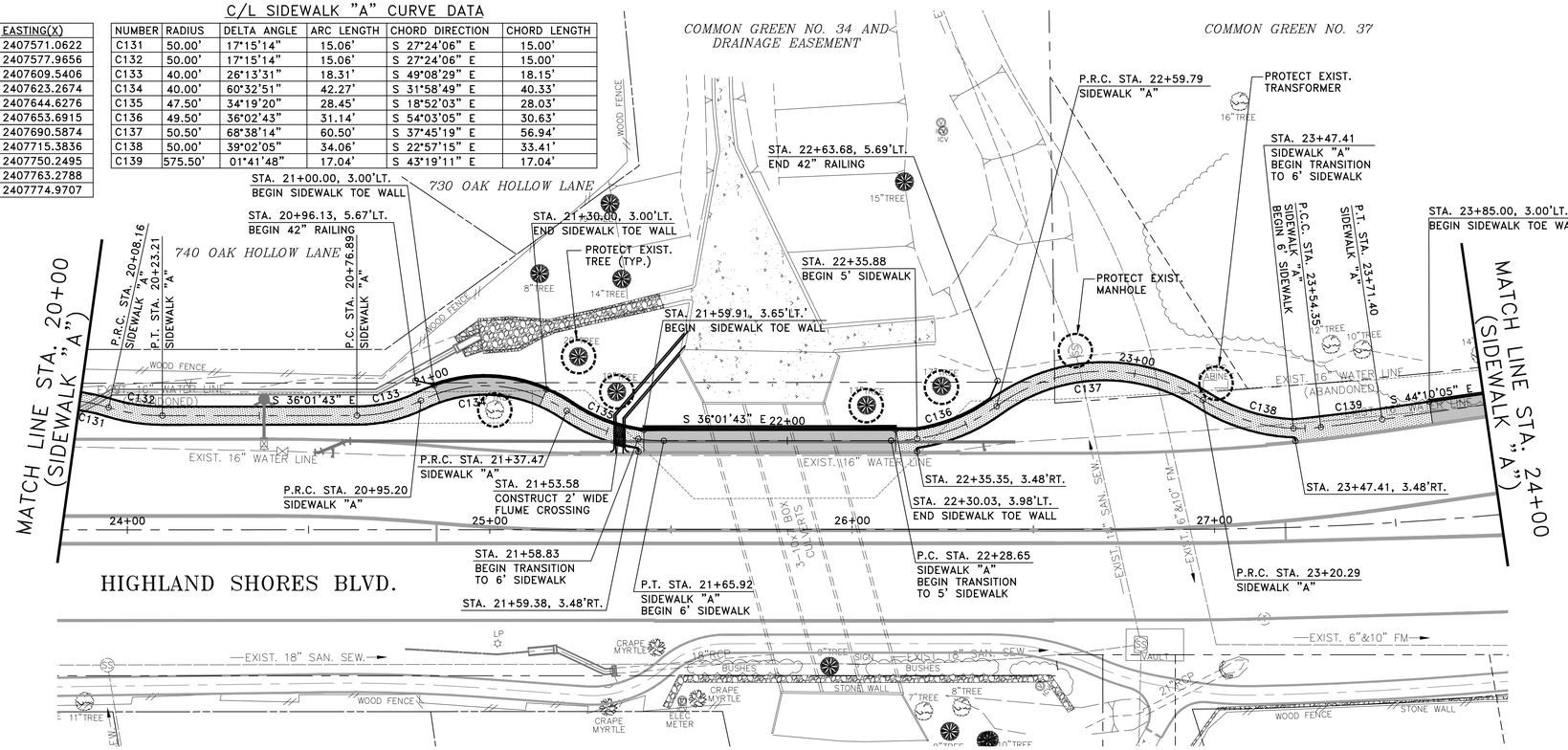
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK -A-05

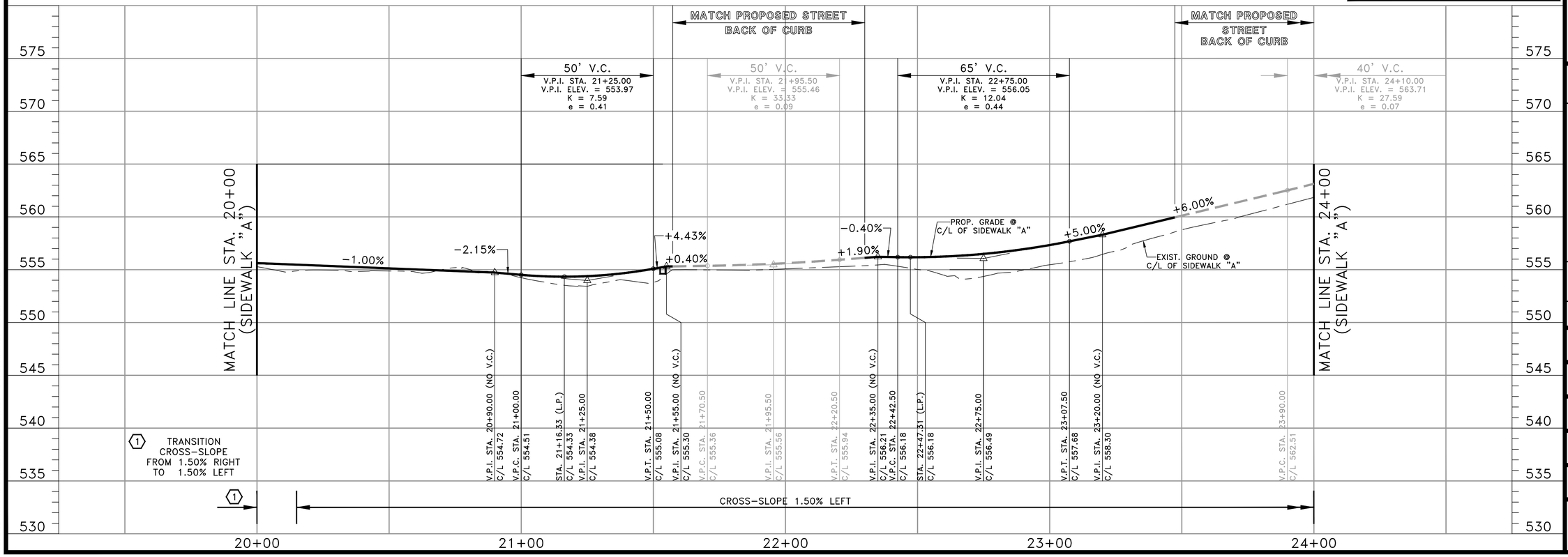
C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.R.C. STA. 20+08.16	7082447.6334	2407571.0622
P.T. STA. 20+23.21	7082434.3164	2407577.9656
P.C. STA. 20+76.89	7082390.9028	2407609.5406
P.R.C. STA. 20+95.20	7082379.0296	2407623.2674
P.R.C. STA. 21+37.47	7082344.8199	2407644.6276
P.T. STA. 21+65.92	7082318.2973	2407653.6915
P.C. STA. 22+28.65	7082267.5679	2407690.5874
P.R.C. STA. 22+59.79	7082249.5863	2407715.3836
P.R.C. STA. 23+20.29	7082204.5650	2407750.2495
P.C.C. STA. 23+54.35	7082173.8012	2407763.2788
P.T. STA. 23+71.40	7082161.4026	2407774.9707

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C131	50.00'	17°15'14"	15.06'	S 27°24'06" E	15.00'
C132	50.00'	17°15'14"	15.06'	S 27°24'06" E	15.00'
C133	40.00'	26°13'31"	18.31'	S 49°08'29" E	18.15'
C134	40.00'	60°32'51"	42.27'	S 31°58'49" E	40.33'
C135	47.50'	34°19'20"	28.45'	S 18°52'03" E	28.03'
C136	49.50'	36°02'43"	31.14'	S 54°03'05" E	30.63'
C137	50.50'	68°38'14"	60.50'	S 37°45'19" E	56.94'
C138	50.00'	39°02'05"	34.06'	S 22°57'15" E	33.41'
C139	575.50'	01°41'48"	17.04'	S 43°19'11" E	17.04'





LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

scale 1" = 20' (20 0 20 40 feet)

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 20+00 TO STA. 24+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
1			
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6			
7			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 78

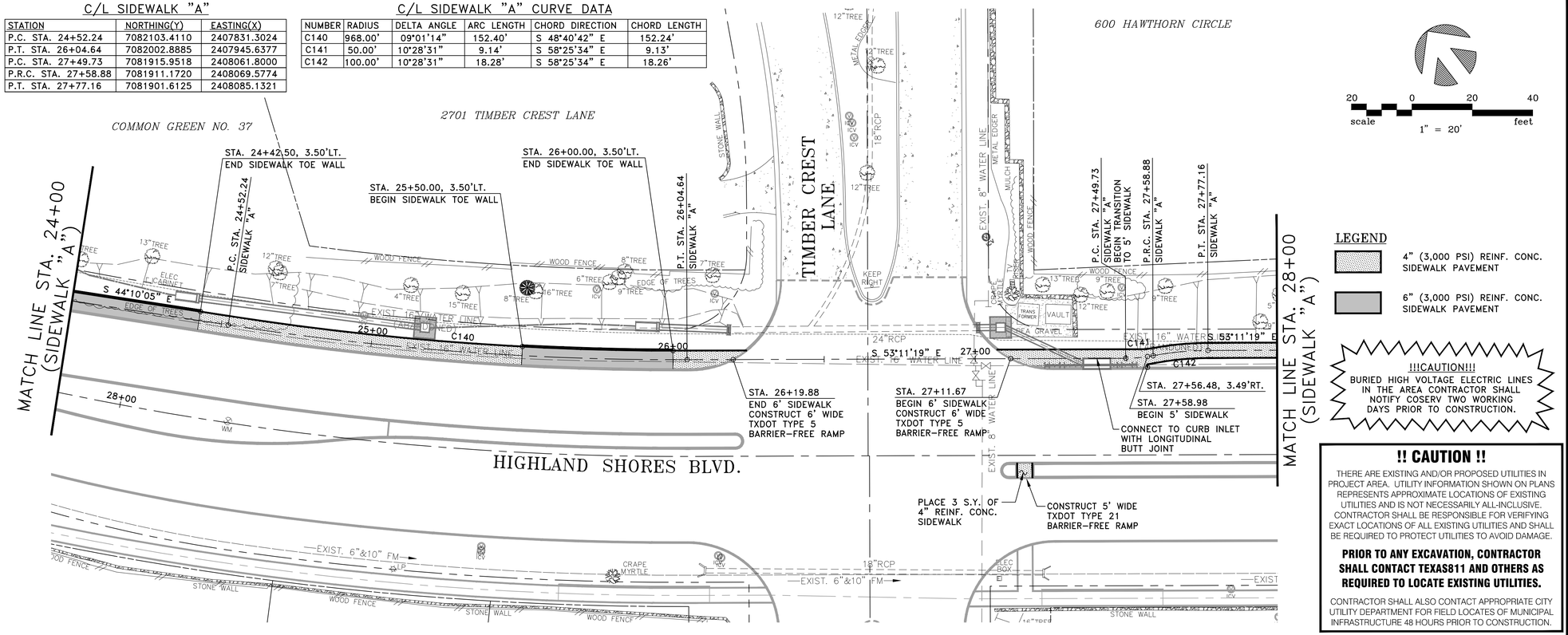
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-06

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 24+52.24	7082103.4110	2407831.3024
P.T. STA. 26+04.64	7082002.8885	2407945.6377
P.C. STA. 27+49.73	7081915.9518	2408061.8000
P.R.C. STA. 27+58.88	7081911.1720	2408069.5774
P.T. STA. 27+77.16	7081901.6125	2408085.1321

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C140	968.00'	09°01'14"	152.40'	S 48°40'42" E	152.24'
C141	50.00'	10°28'31"	9.14'	S 58°25'34" E	9.13'
C142	100.00'	10°28'31"	18.28'	S 58°25'34" E	18.26'



LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
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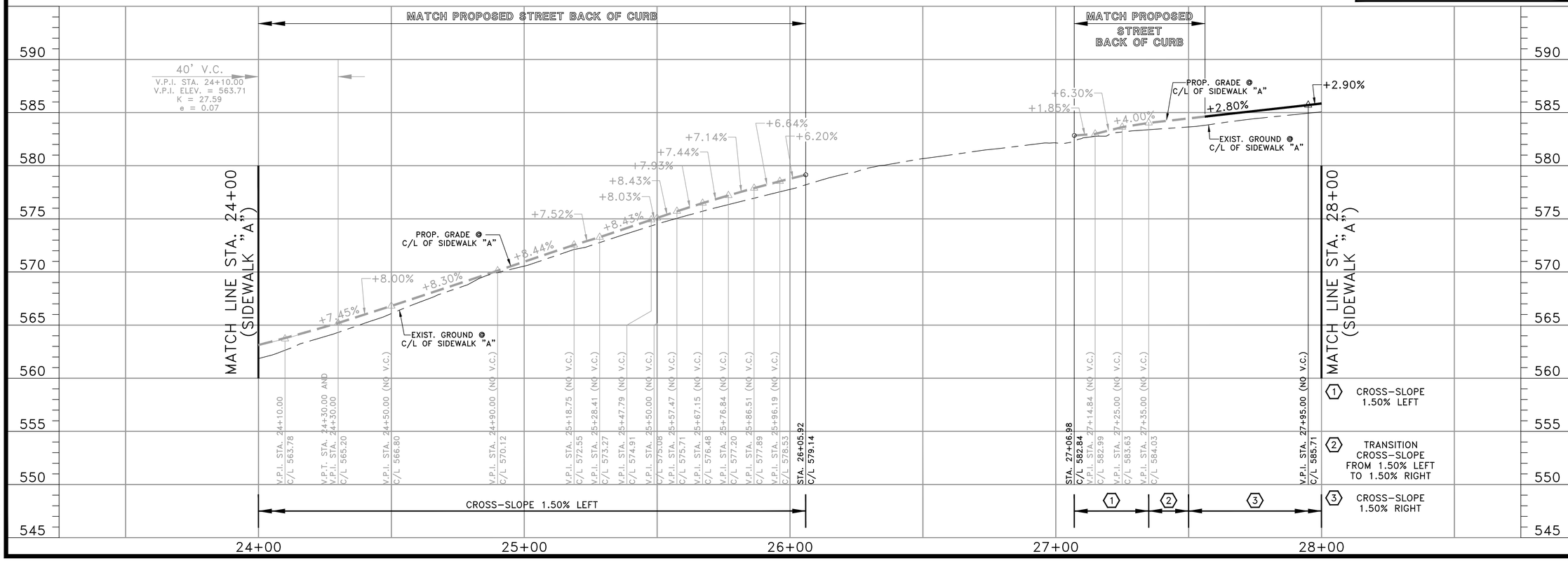

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 24+00 TO STA. 28+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
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1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 79

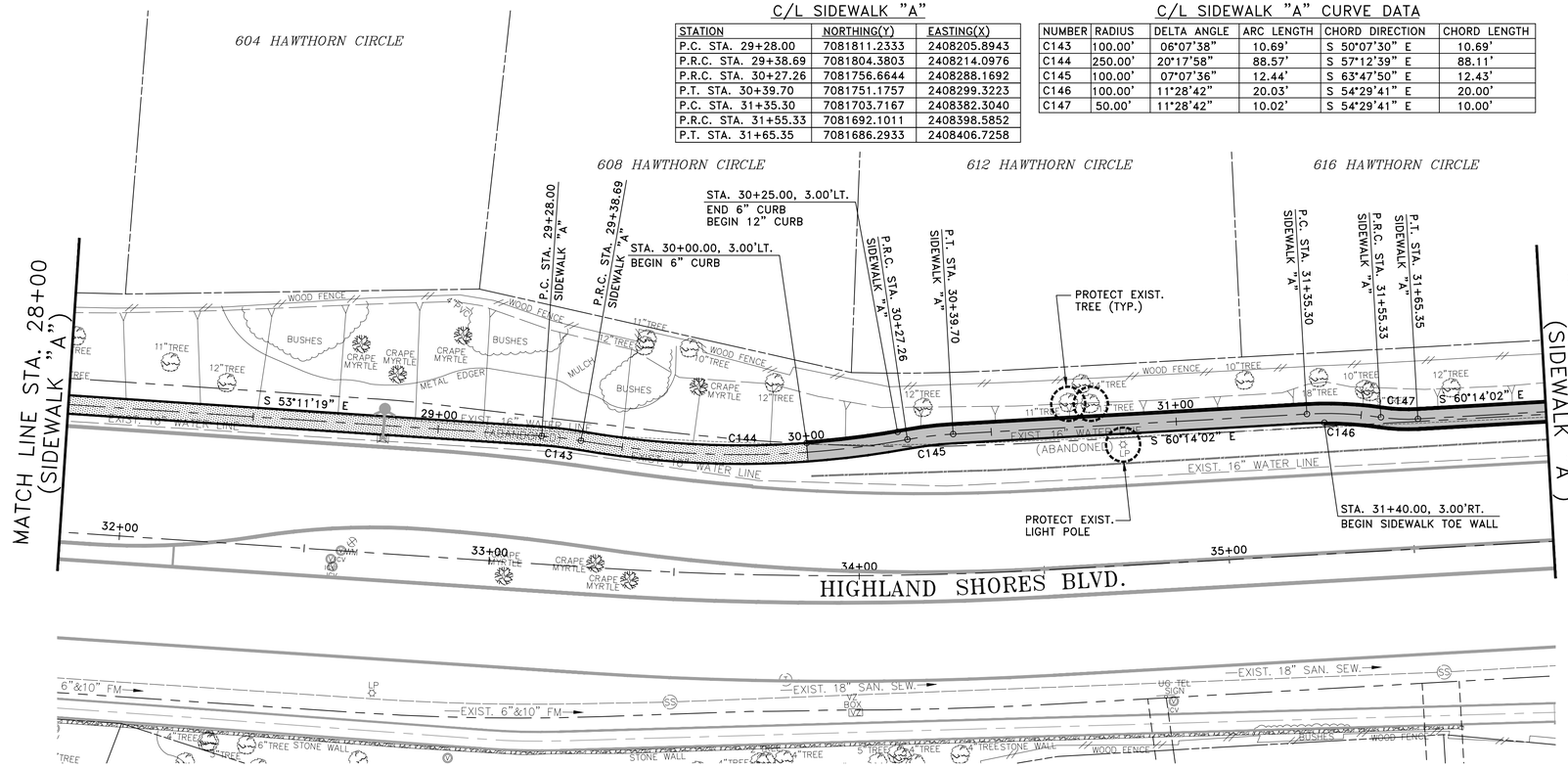
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-07

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 29+28.00	7081811.2333	2408205.8943
P.R.C. STA. 29+38.69	7081804.3803	2408214.0976
P.R.C. STA. 30+27.26	7081756.6644	2408288.1692
P.T. STA. 30+39.70	7081751.1757	2408299.3223
P.C. STA. 31+35.30	7081703.7167	2408382.3040
P.R.C. STA. 31+55.33	7081692.1011	2408398.5852
P.T. STA. 31+65.35	7081686.2933	2408406.7258

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C143	100.00'	06°07'38"	10.69'	S 50°07'30" E	10.69'
C144	250.00'	20°17'58"	88.57'	S 57°12'39" E	88.11'
C145	100.00'	07°07'36"	12.44'	S 63°47'50" E	12.43'
C146	100.00'	11°28'42"	20.03'	S 54°29'41" E	20.00'
C147	50.00'	11°28'42"	10.02'	S 54°29'41" E	10.00'



20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

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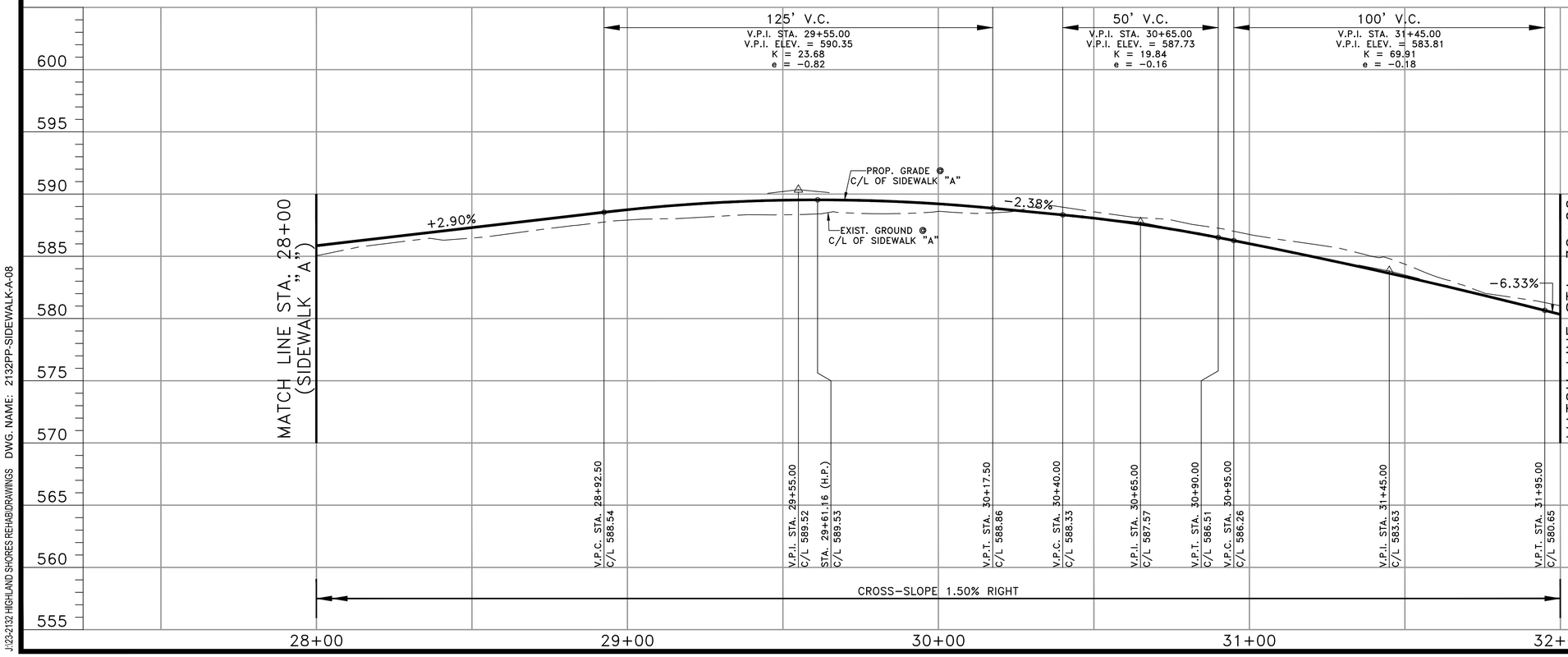

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STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 28+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
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1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 80

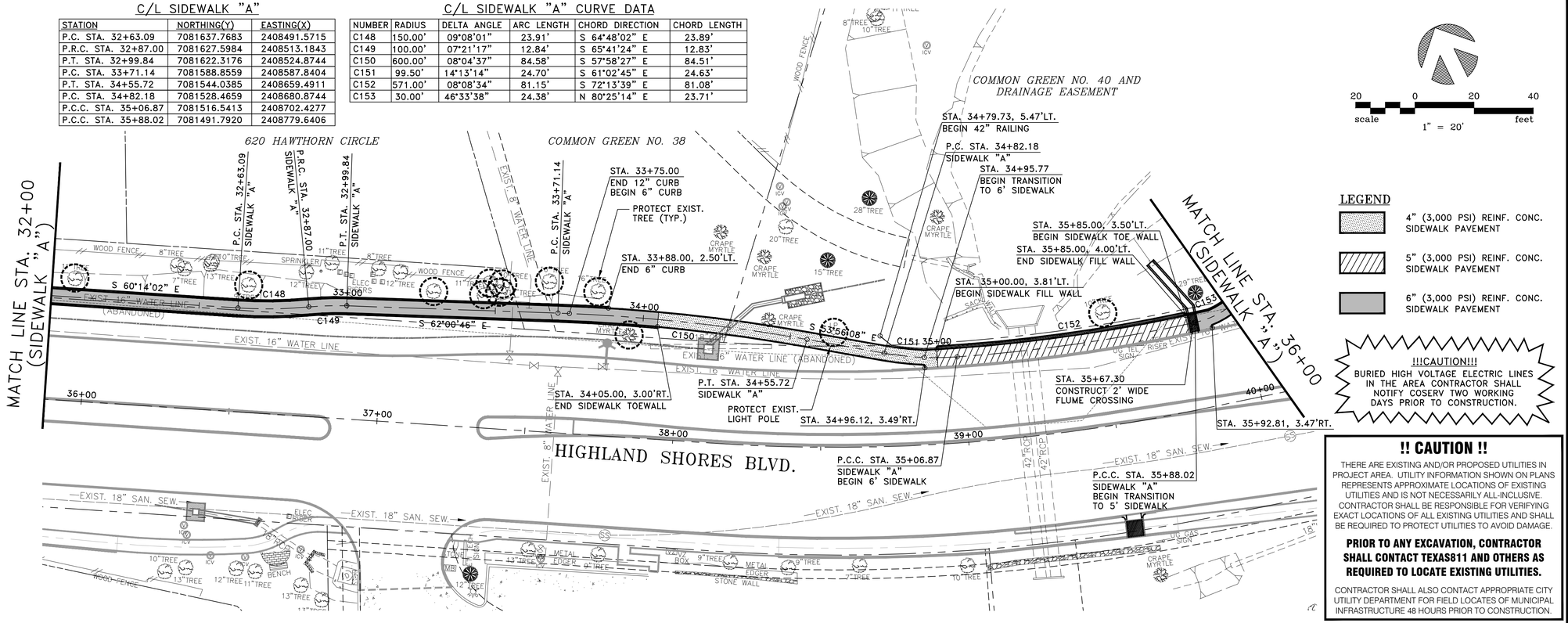
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-08

C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 32+63.09	7081637.7683	2408491.5715
P.R.C. STA. 32+87.00	7081627.5984	2408513.1843
P.T. STA. 32+99.84	7081622.3176	2408524.8744
P.C. STA. 33+71.14	7081588.8559	2408587.8404
P.T. STA. 34+55.72	7081544.0385	2408659.4911
P.C. STA. 34+82.18	7081528.4659	2408680.8744
P.C.C. STA. 35+06.87	7081516.5413	2408702.4277
P.C.C. STA. 35+88.02	7081491.7920	2408779.6406

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C148	150.00'	09°08'01"	23.91'	S 64°48'02" E	23.89'
C149	100.00'	07°21'17"	12.84'	S 65°41'24" E	12.83'
C150	600.00'	08°04'37"	84.58'	S 57°58'27" E	84.51'
C151	99.50'	14°13'14"	24.70'	S 61°02'45" E	24.63'
C152	571.00'	08°08'34"	81.15'	S 72°13'39" E	81.08'
C153	30.00'	46°33'38"	24.38'	N 80°25'14" E	23.71'



LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 5" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

20 0 20 40
scale 1" = 20' feet

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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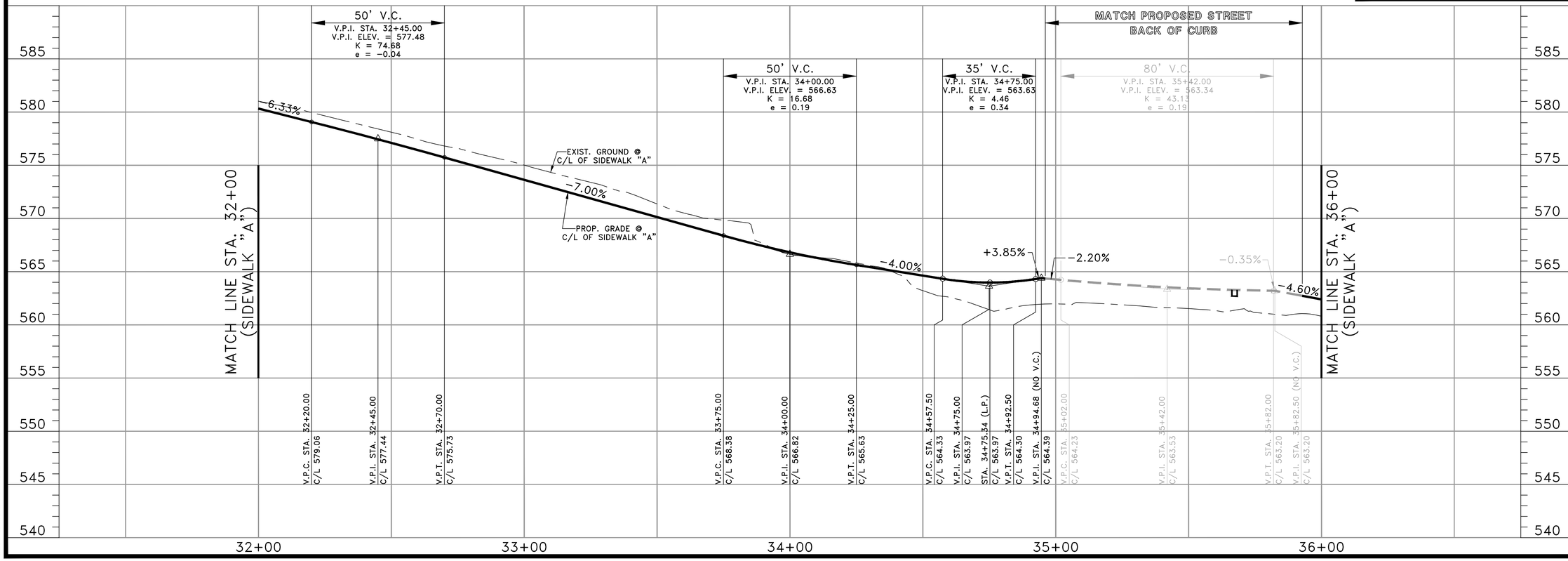


SCHAUMBURG & POLK, INC.
BEAUMONT | HOUSTON | RICHARDSON
KYLE | PORT ARTHUR | TERRELL | TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 32+00 TO STA. 36+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 81

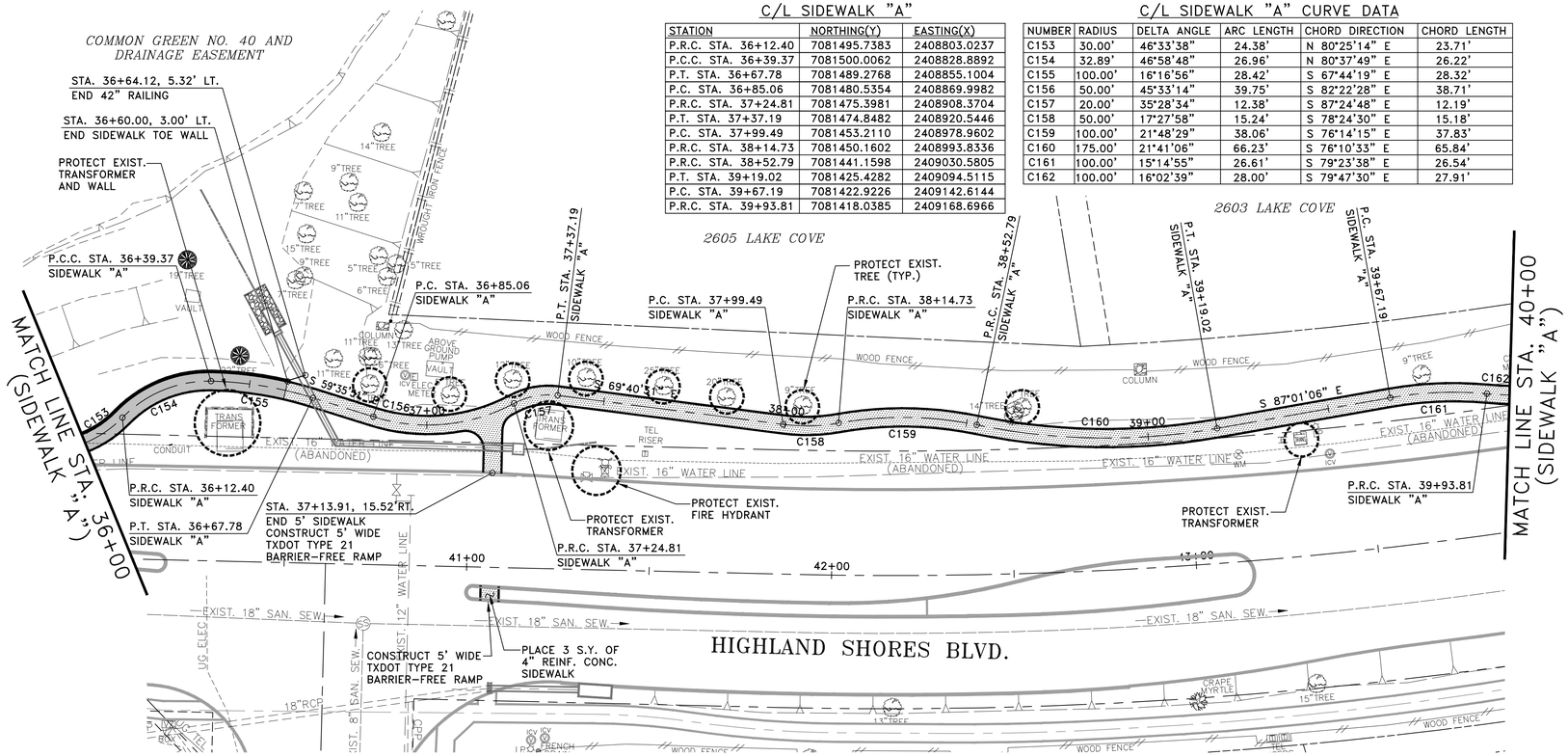
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-09

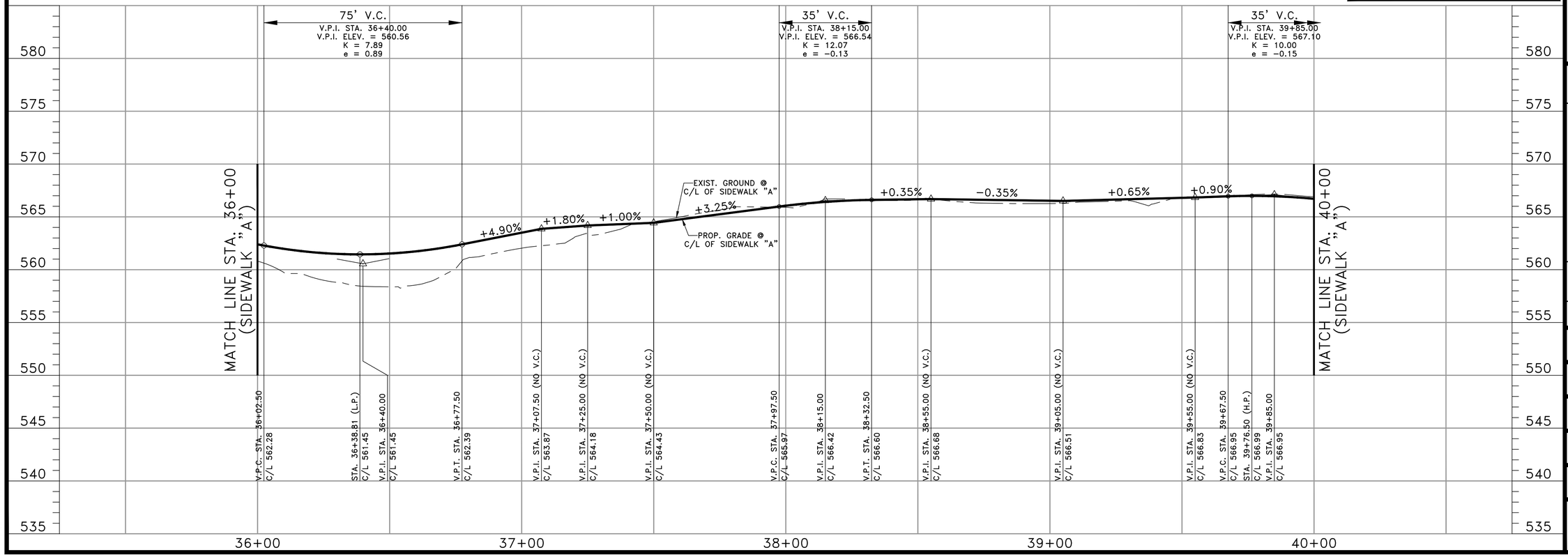
C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.R.C. STA. 36+12.40	7081495.7383	2408803.0237
P.C.C. STA. 36+39.37	7081500.0062	2408828.8892
P.T. STA. 36+67.78	7081489.2768	2408855.1004
P.C. STA. 36+85.06	7081480.5354	2408869.9982
P.R.C. STA. 37+24.81	7081475.3981	2408908.3704
P.T. STA. 37+37.19	7081474.8482	2408920.5446
P.C. STA. 37+99.49	7081453.2110	2408978.9602
P.R.C. STA. 38+14.73	7081450.1602	2408993.8336
P.R.C. STA. 38+52.79	7081441.1598	2409030.5805
P.T. STA. 39+19.02	7081425.4282	2409094.5115
P.C. STA. 39+67.19	7081422.9226	2409142.6144
P.R.C. STA. 39+93.81	7081418.0385	2409168.6966

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C153	30.00'	46°33'38"	24.38'	N 80°25'14" E	23.71'
C154	32.89'	46°58'48"	26.96'	N 80°37'49" E	26.22'
C155	100.00'	16°16'56"	28.42'	S 67°44'19" E	28.32'
C156	50.00'	45°33'14"	39.75'	S 82°22'28" E	38.71'
C157	20.00'	35°28'34"	12.38'	S 87°24'48" E	12.19'
C158	50.00'	17°27'58"	15.24'	S 78°24'30" E	15.18'
C159	100.00'	21°48'29"	38.06'	S 76°14'15" E	37.83'
C160	175.00'	21°41'06"	66.23'	S 76°10'33" E	65.84'
C161	100.00'	15°14'55"	26.61'	S 79°23'38" E	26.54'
C162	100.00'	16°02'39"	28.00'	S 79°47'30" E	27.91'





20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
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SCHAUMBURG & POLK, INC.
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 36+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 82

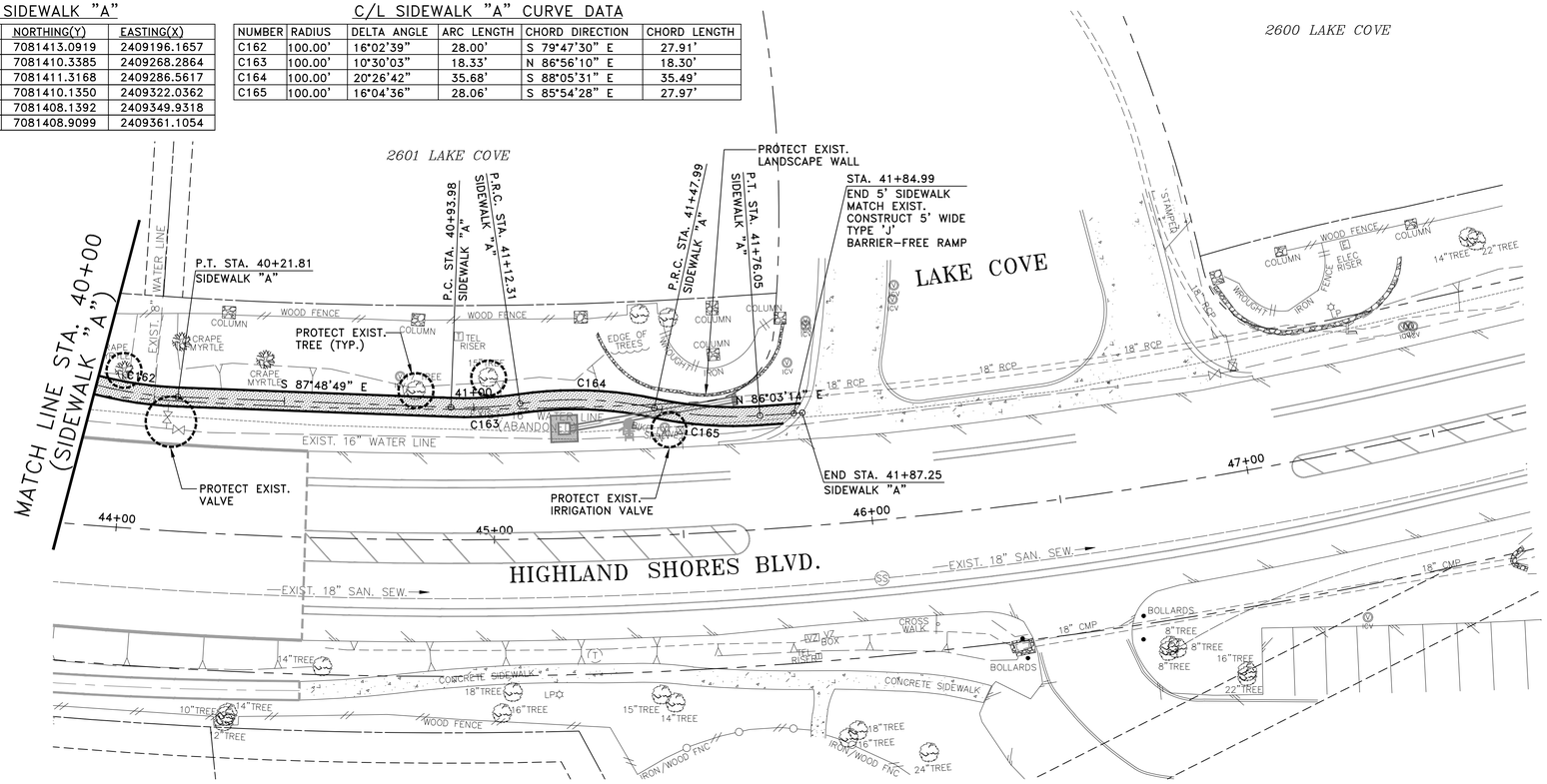
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-10

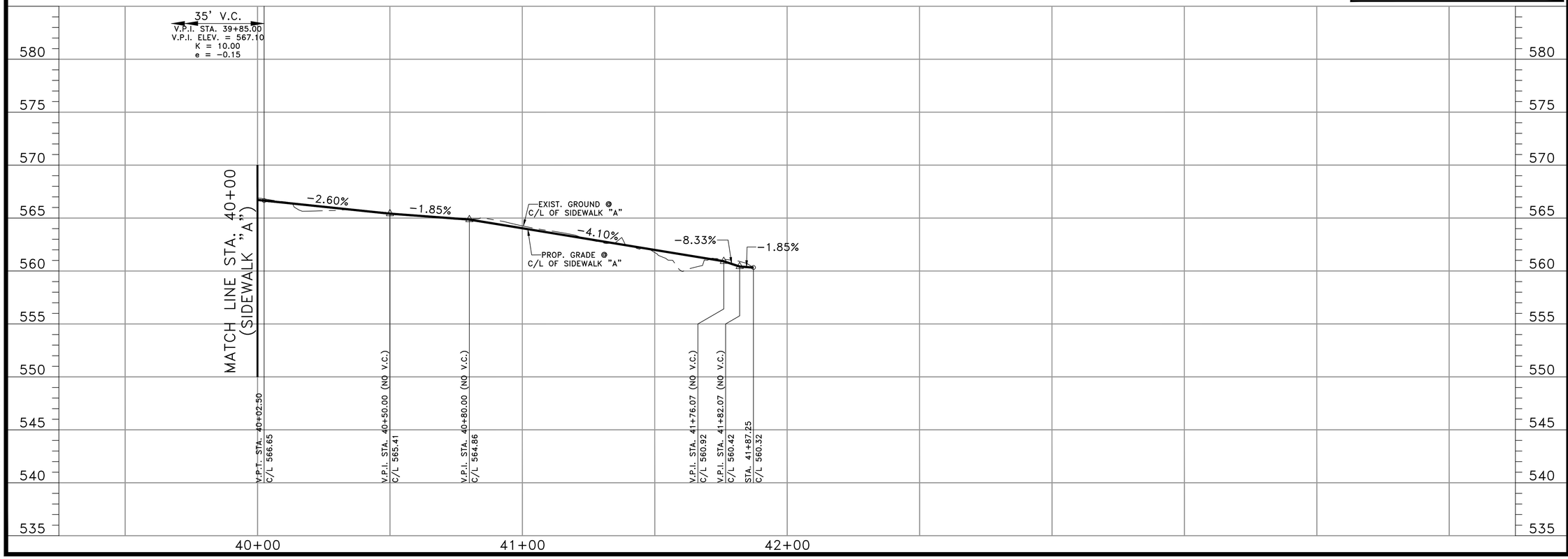
C/L SIDEWALK "A"

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 40+21.81	7081413.0919	2409196.1657
P.C. STA. 40+93.98	7081410.3385	2409268.2864
P.R.C. STA. 41+12.31	7081411.3168	2409286.5617
P.R.C. STA. 41+47.99	7081410.1350	2409322.0362
P.T. STA. 41+76.05	7081408.1392	2409349.9318
END STA. 41+87.25	7081408.9099	2409361.1054

C/L SIDEWALK "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C162	100.00'	16°02'39"	28.00'	S 79°47'30" E	27.91'
C163	100.00'	10°30'03"	18.33'	N 86°56'10" E	18.30'
C164	100.00'	20°26'42"	35.68'	S 88°05'31" E	35.49'
C165	100.00'	16°04'36"	28.06'	S 85°54'28" E	27.97'





20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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SPI
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "A" - PLAN AND PROFILE
STA. 40+00 TO STA. 41+87.25
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

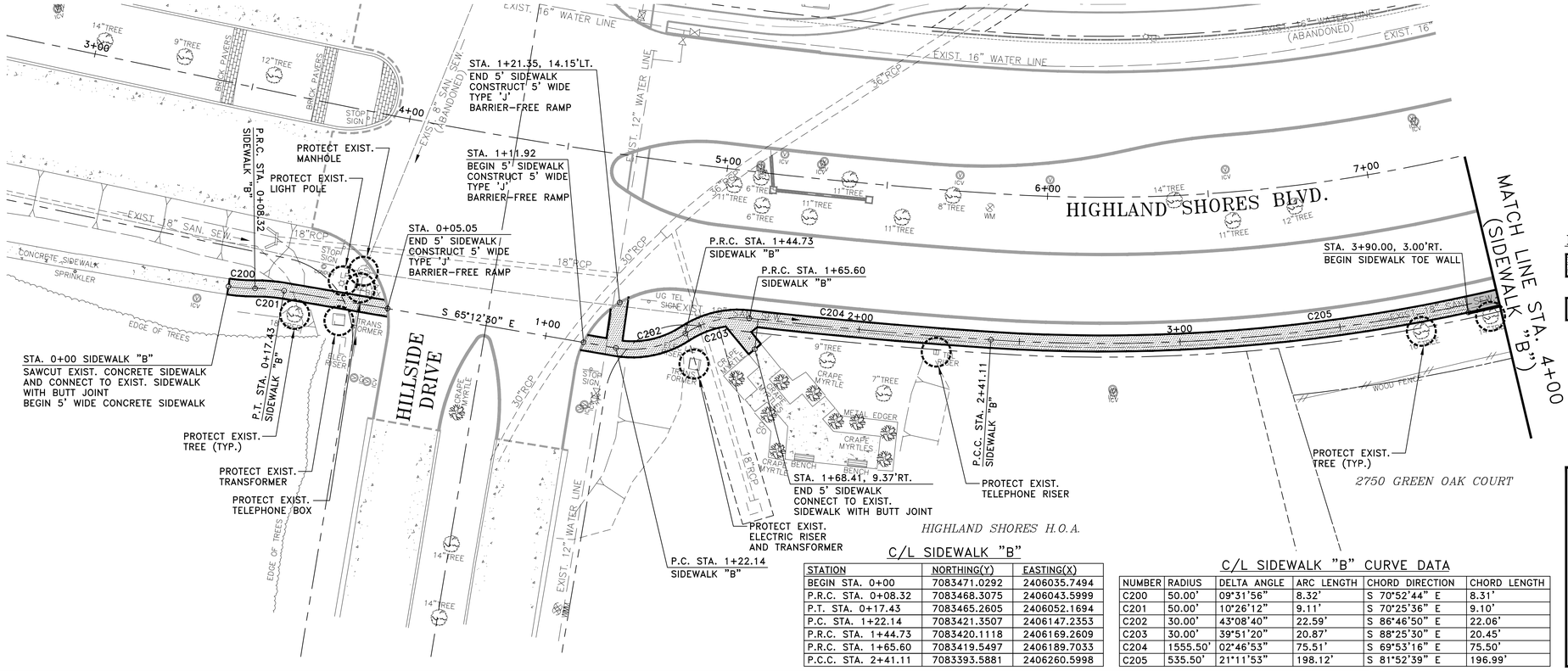
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 83

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-A-11



LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!!!CAUTION!!!
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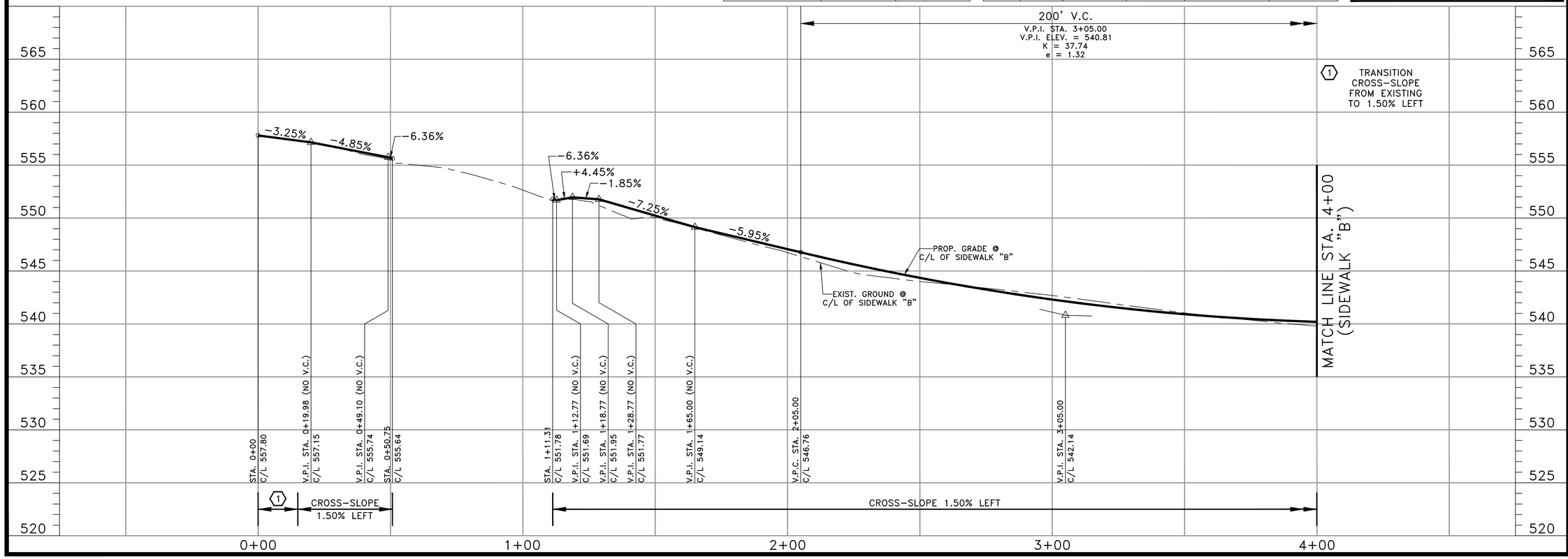
C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
BEGIN STA. 0+00	7083471.0292	2406035.7494
P.R.C. STA. 0+08.32	7083468.3075	2406043.5999
P.T. STA. 0+17.43	7083465.2605	2406052.1694
P.C. STA. 1+22.14	7083421.3507	2406147.2353
P.R.C. STA. 1+44.73	7083420.1118	2406169.2609
P.R.C. STA. 1+65.60	7083419.5497	2406189.7033
P.C.C. STA. 2+41.11	7083393.5881	2406260.5998

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C200	50.00'	09°31'56"	8.32'	S 70°52'44" E	8.31'
C201	50.00'	10°26'12"	9.11'	S 70°25'36" E	9.10'
C202	30.00'	43°08'40"	22.59'	S 86°46'50" E	22.06'
C203	30.00'	39°51'20"	20.87'	S 88°25'30" E	20.45'
C204	1555.50'	02°46'53"	75.51'	S 69°53'16" E	75.50'
C205	535.50'	21°11'53"	198.12'	S 81°52'39" E	196.99'



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 0+00 TO STA. 4+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

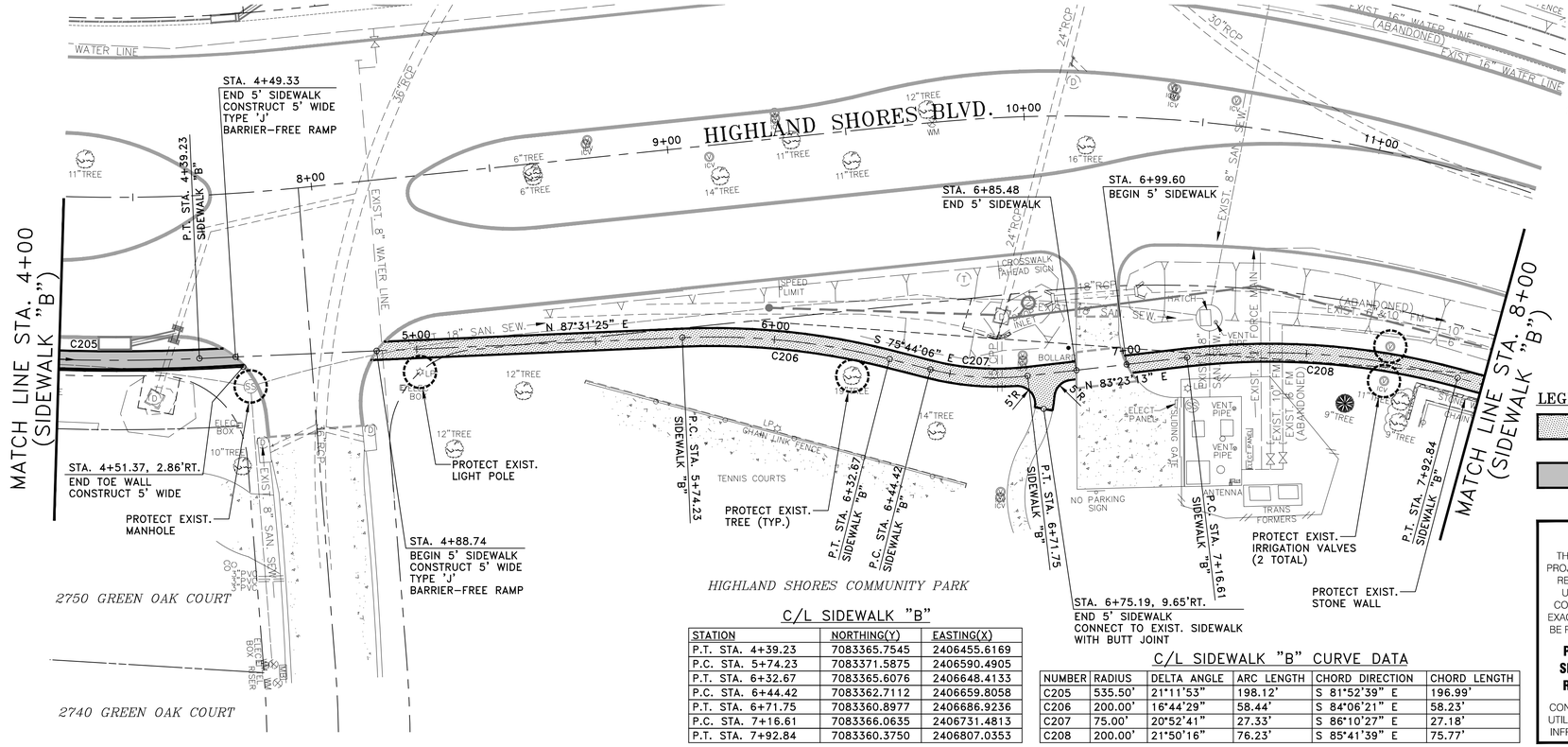
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 84

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-01



C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 4+39.23	7083365.7545	2406455.6169
P.C. STA. 5+74.23	7083371.5875	2406590.4905
P.T. STA. 6+32.67	7083365.6076	2406648.4133
P.C. STA. 6+44.42	7083362.7112	2406659.8058
P.T. STA. 6+71.75	7083360.8977	2406686.9236
P.C. STA. 7+16.61	7083366.0635	2406731.4813
P.T. STA. 7+92.84	7083360.3750	2406807.0353

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C205	535.50'	21°11'53"	198.12'	S 81°52'39" E	196.99'
C206	200.00'	16°44'29"	58.44'	S 84°06'21" E	58.23'
C207	75.00'	20°52'41"	27.33'	S 86°10'27" E	27.18'
C208	200.00'	21°50'16"	76.23'	S 85°41'39" E	75.77'

LEGEND

- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

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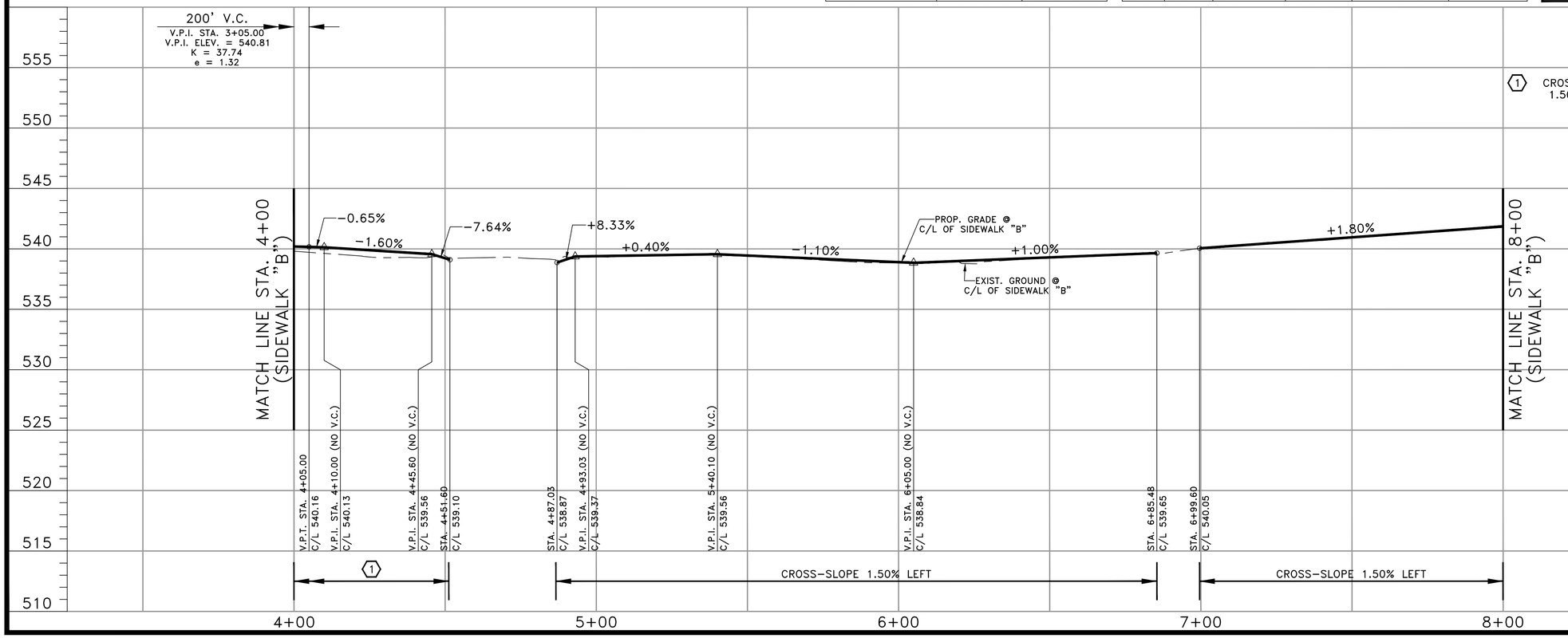

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 4+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

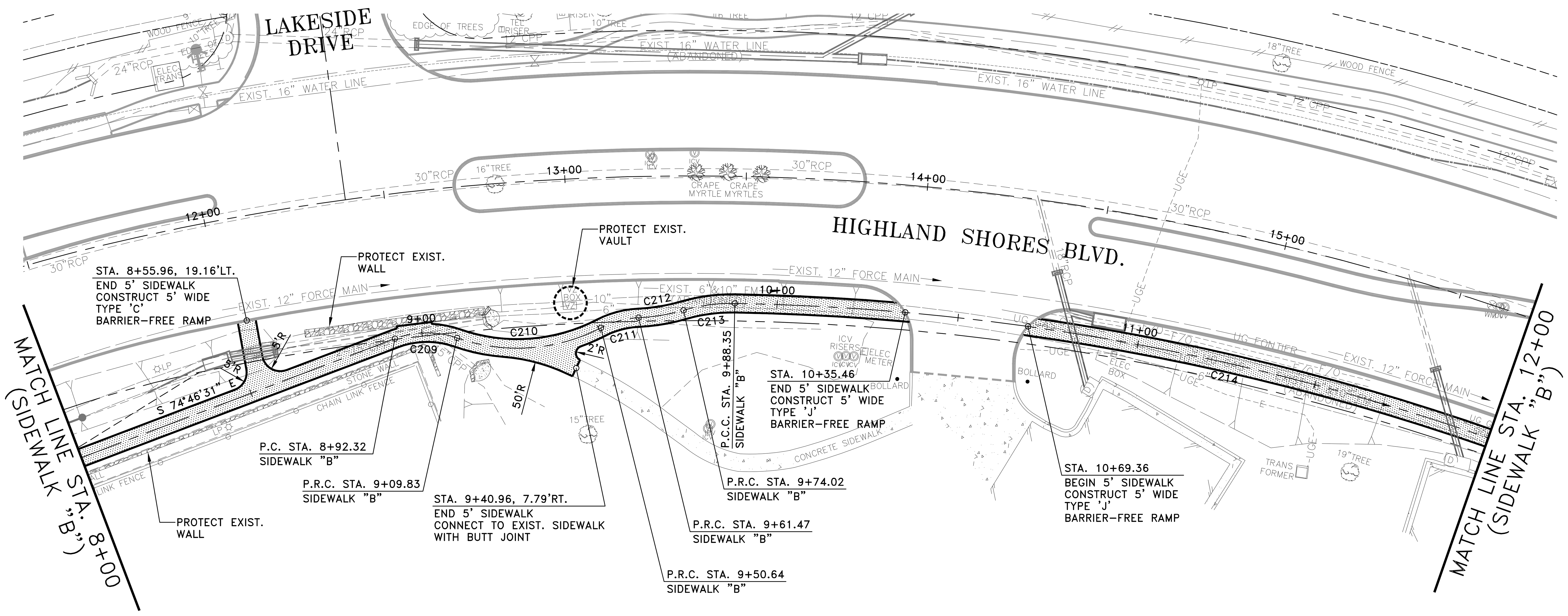
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 85

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-02



20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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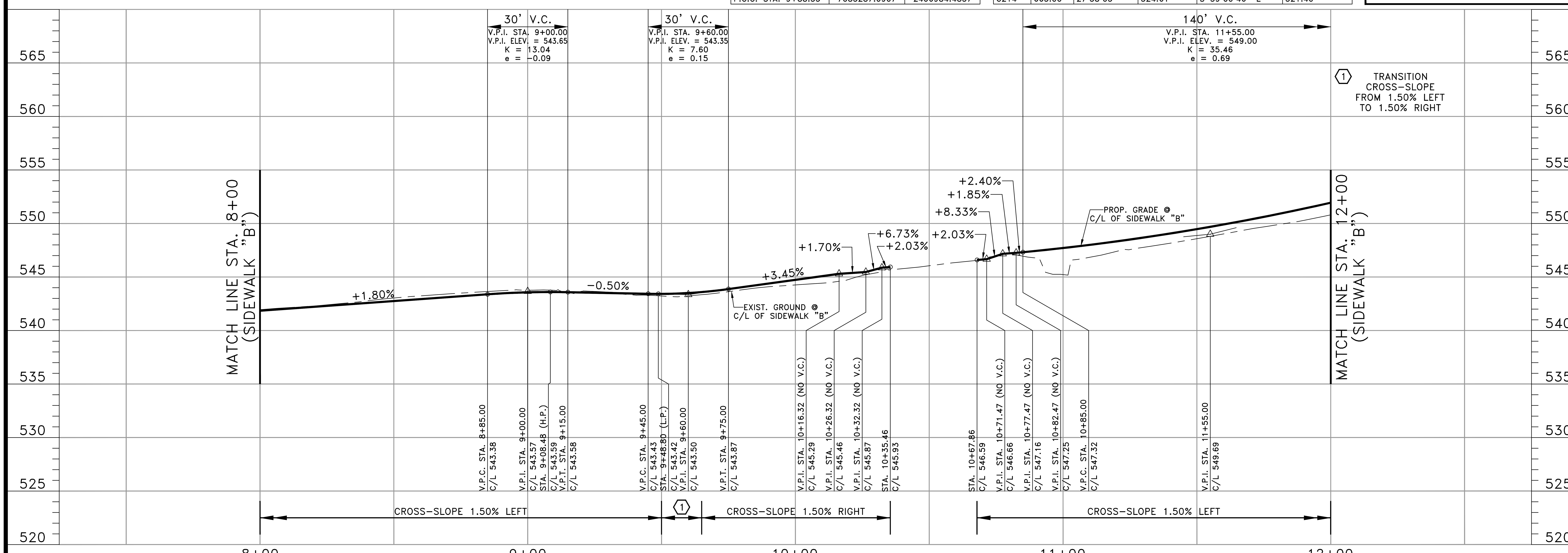
C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 8+92.32	7083334.2507	2406903.0249
P.R.C. STA. 9+09.83	7083324.3389	2406917.0281
P.R.C. STA. 9+50.64	7083303.3216	2406950.6945
P.R.C. STA. 9+61.47	7083299.4706	2406960.7257
P.R.C. STA. 9+74.02	7083293.8723	2406971.9226
P.C.C. STA. 9+88.35	7083287.0907	2406984.4857

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C209	25.00'	40°08'04"	17.51'	S 54°42'29" E	17.16'
C210	50.00'	46°46'01"	40.81'	S 58°01'27" E	39.69'
C211	25.00'	24°49'09"	10.83'	S 68°59'53" E	10.74'
C212	52.50'	13°41'41"	12.55'	S 63°26'08" E	12.52'
C213	47.50'	17°17'11"	14.33'	S 61°38'23" E	14.28'
C214	665.00'	27°58'05"	324.61'	S 39°00'46" E	321.40'



⟨1⟩ TRANSITION CROSS-SLOPE FROM 1.50% LEFT TO 1.50% RIGHT

SPI
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STATE OF TEXAS — JONATHAN D. WATKINS — 130743 — REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 8+00 TO STA. 12+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
7			
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

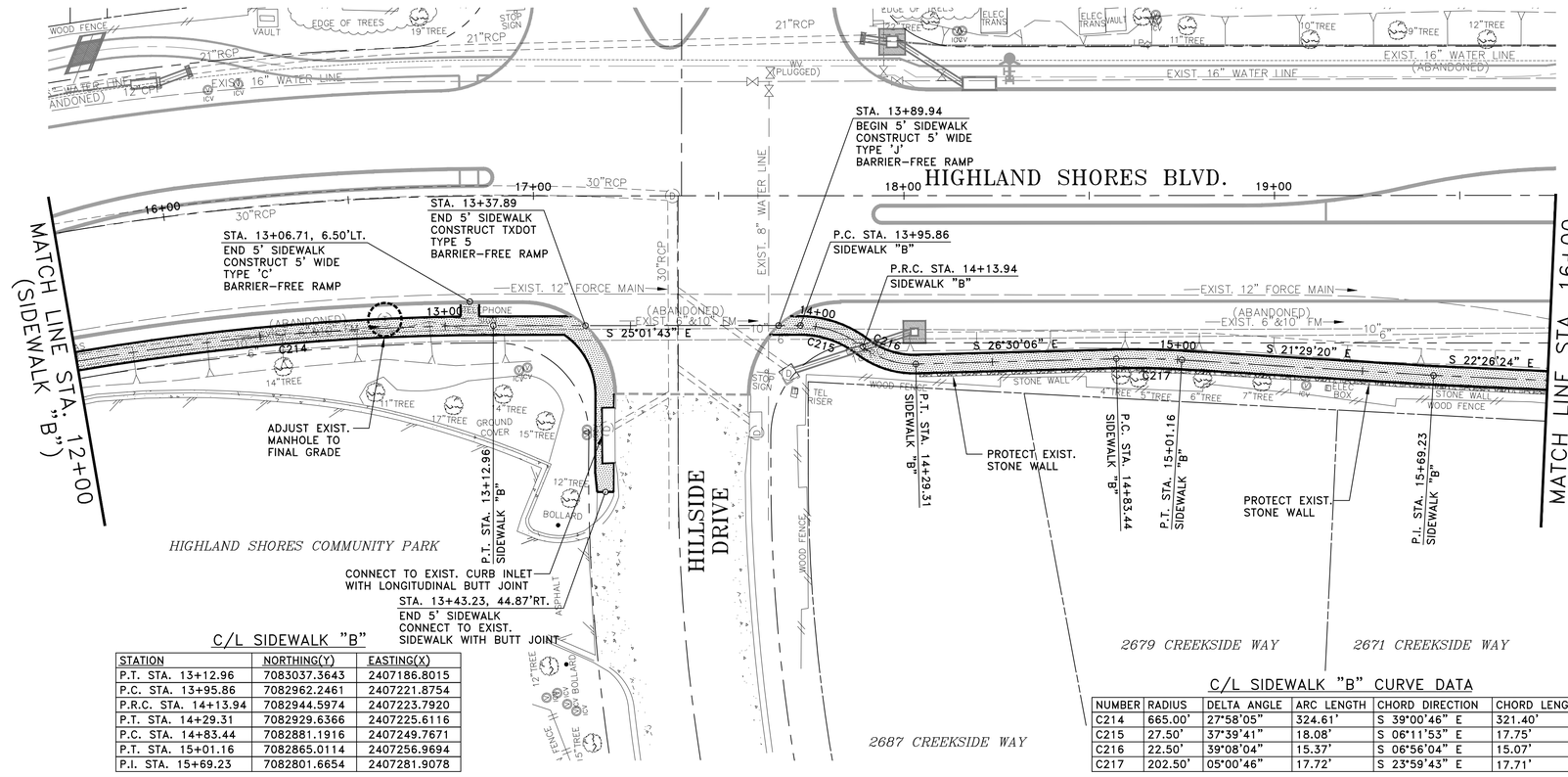
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 86

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-03



20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 13+12.96	7083037.3643	2407186.8015
P.C. STA. 13+95.86	7082962.2461	2407221.8754
P.R.C. STA. 14+13.94	7082944.5974	2407223.7920
P.T. STA. 14+29.31	7082929.6366	2407225.6116
P.C. STA. 14+83.44	7082881.1916	2407249.7671
P.T. STA. 15+01.16	7082865.0114	2407256.9694
P.I. STA. 15+69.23	7082801.6654	2407281.9078

C/L SIDEWALK "B" CURVE DATA

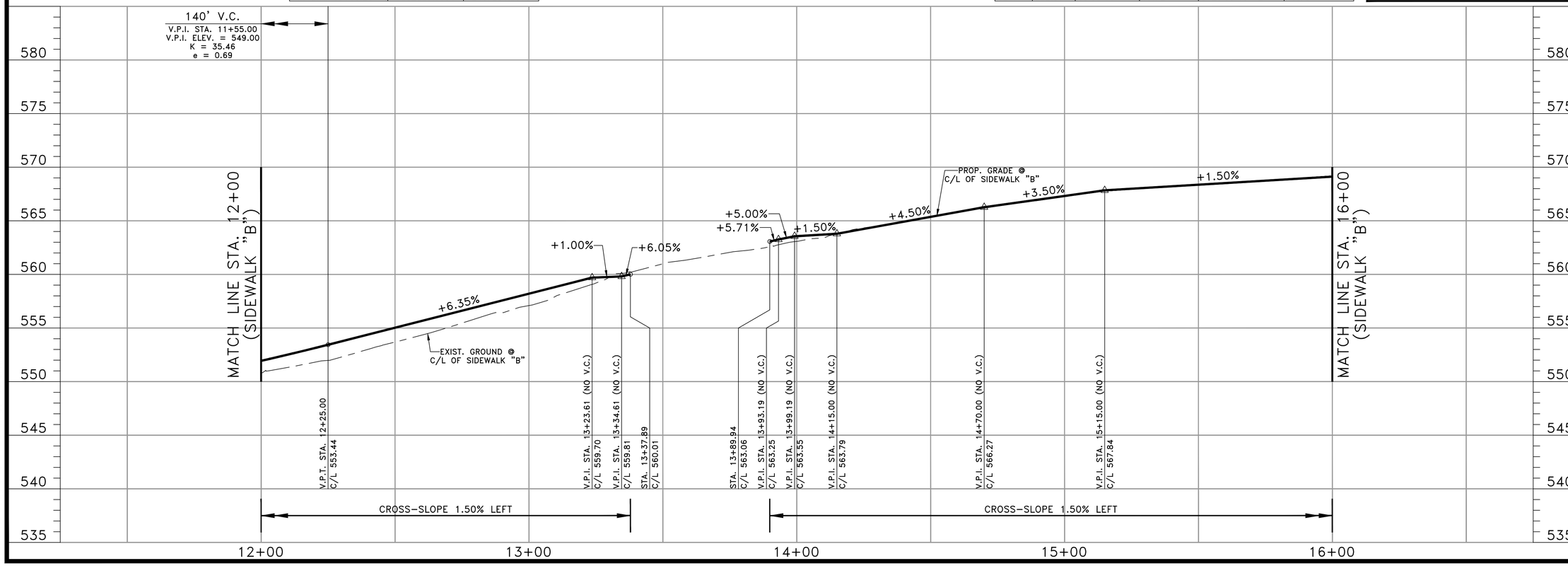
NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C214	665.00'	27°58'05"	324.61'	S 39°00'46" E	321.40'
C215	27.50'	37°39'41"	18.08'	S 06°11'53" E	17.75'
C216	22.50'	39°08'04"	15.37'	S 06°56'04" E	15.07'
C217	202.50'	05°00'46"	17.72'	S 23°59'43" E	17.71'

!! CAUTION !!

THERE ARE EXISTING AND/OR PROPOSED UTILITIES IN PROJECT AREA. UTILITY INFORMATION SHOWN ON PLANS REPRESENTS APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND IS NOT NECESSARILY ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL EXISTING UTILITIES AND SHALL BE REQUIRED TO PROTECT UTILITIES TO AVOID DAMAGE.

PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.



SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE STA. 12+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
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1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

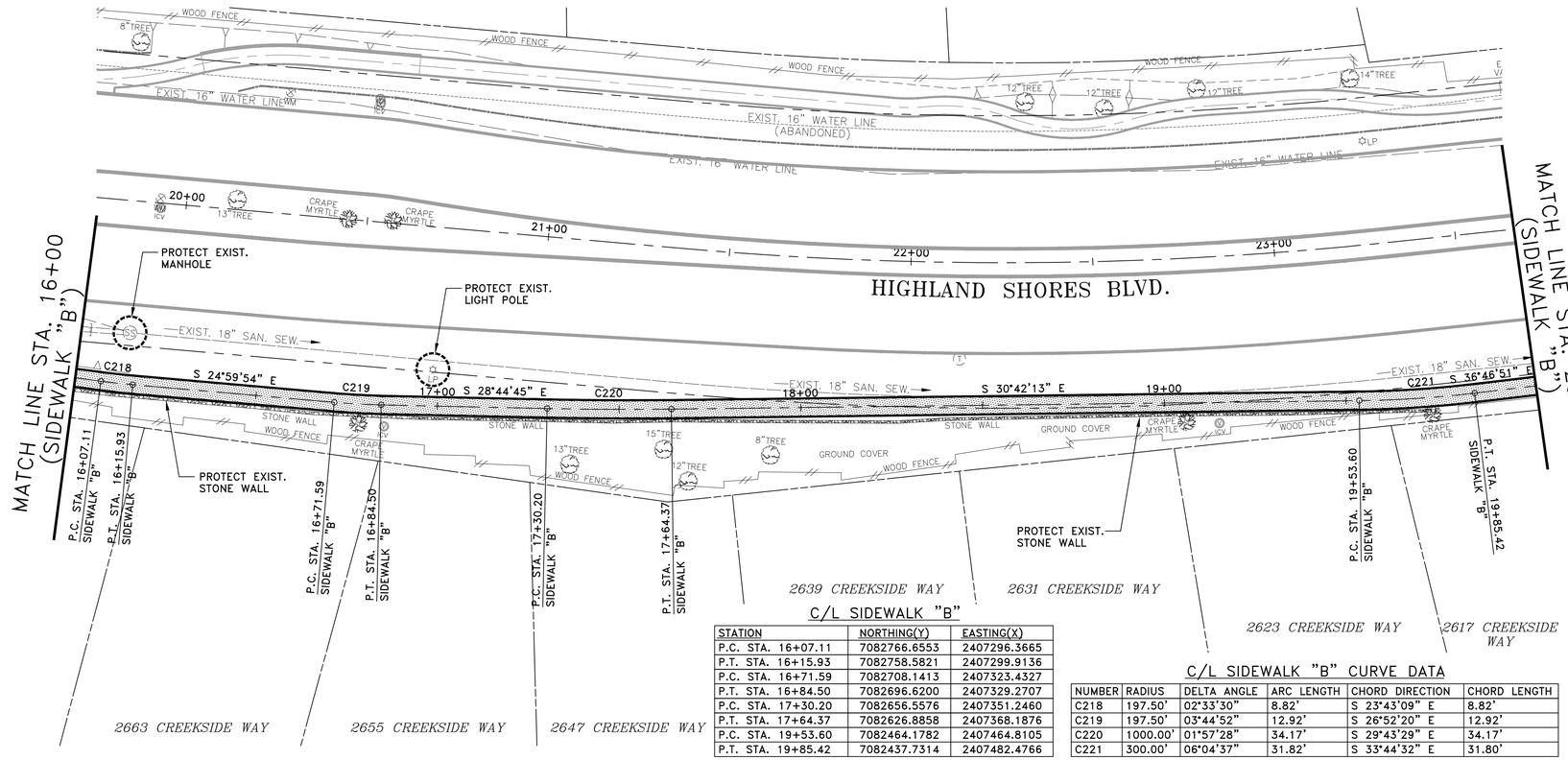
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 87

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-04



C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 16+07.11	7082766.6553	2407296.3665
P.T. STA. 16+15.93	7082758.5821	2407299.9136
P.C. STA. 16+71.59	7082708.1413	2407323.4327
P.T. STA. 16+84.50	7082696.6200	2407329.2707
P.C. STA. 17+30.20	7082656.5576	2407351.2460
P.T. STA. 17+64.37	7082626.8858	2407368.1876
P.C. STA. 19+53.60	7082464.1782	2407464.8105
P.T. STA. 19+85.42	7082437.7314	2407482.4766

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C218	197.50'	02°33'30"	8.82'	S 23°43'09" E	8.82'
C219	197.50'	03°44'52"	12.92'	S 26°52'20" E	12.92'
C220	1000.00'	01°57'28"	34.17'	S 29°43'29" E	34.17'
C221	300.00'	06°04'37"	31.82'	S 33°44'32" E	31.80'

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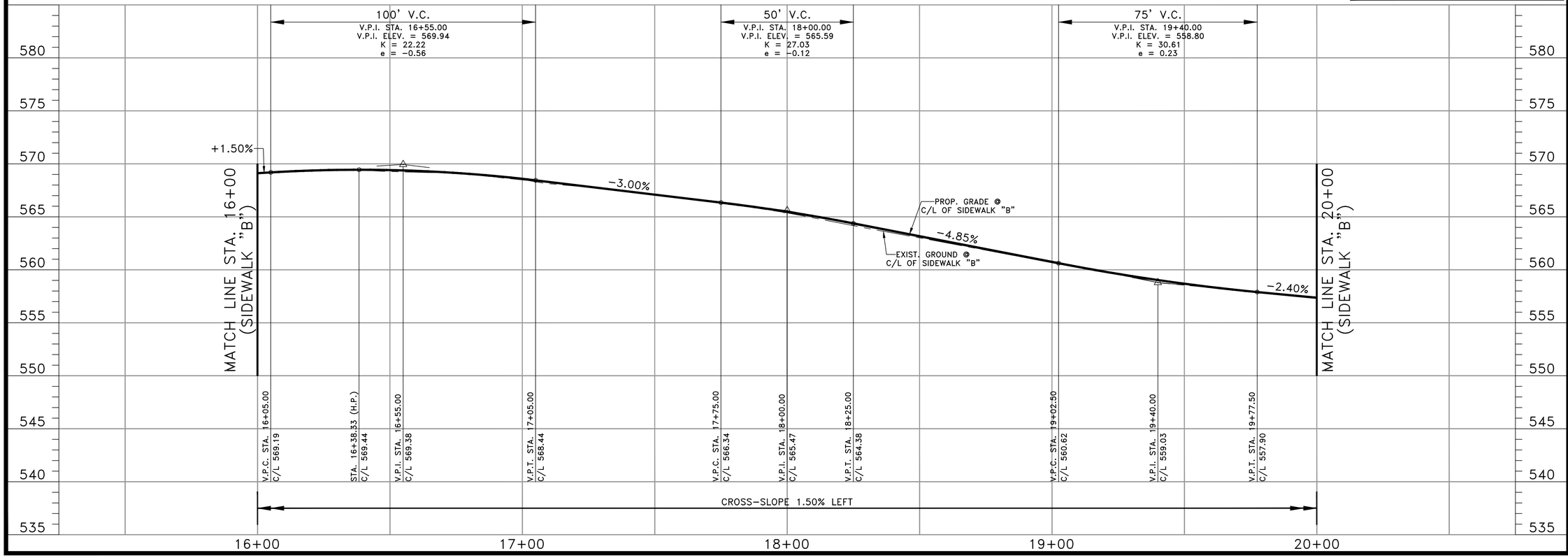

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE STA. 16+00 TO STA. 20+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
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5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

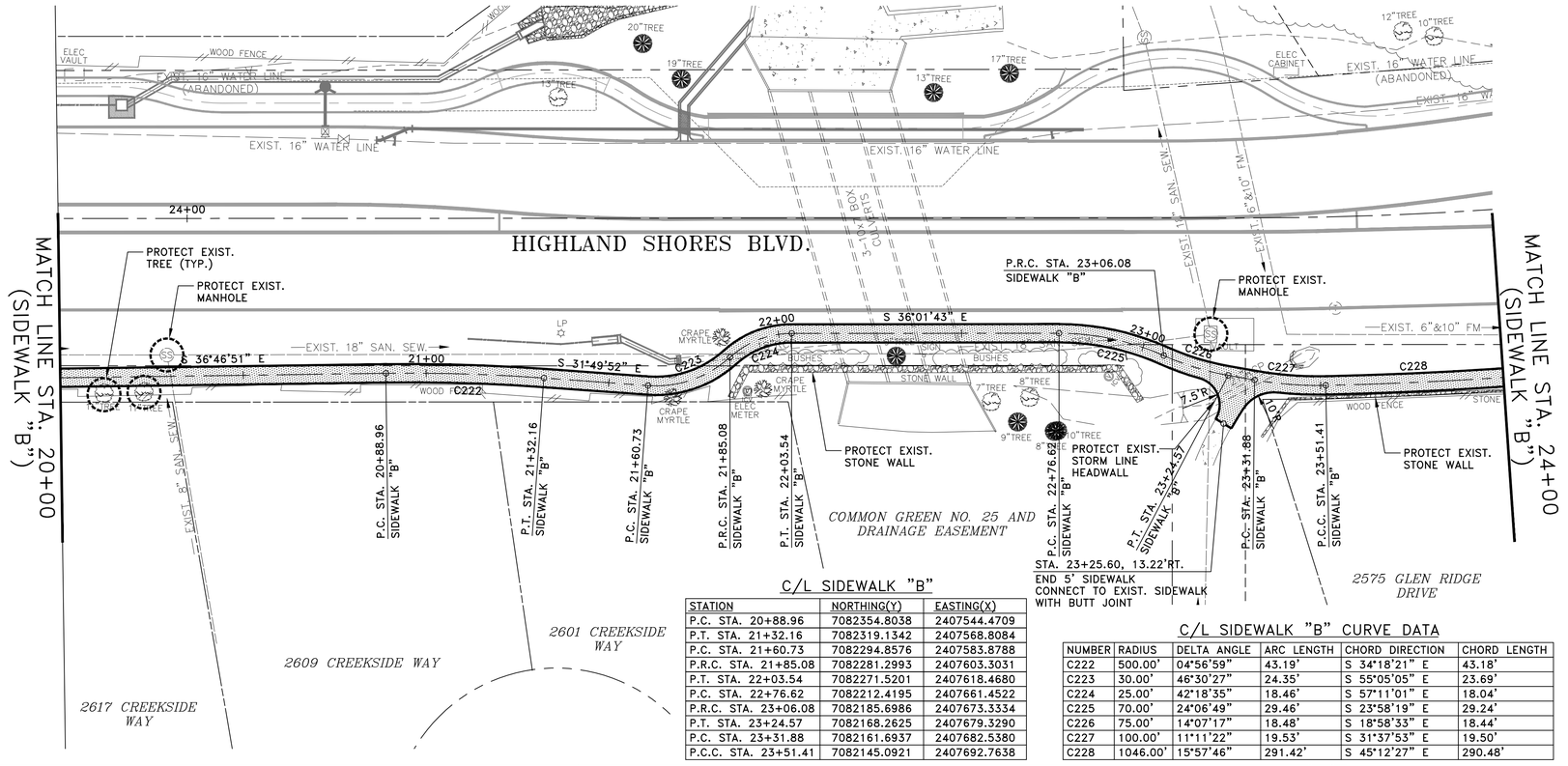
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 88

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-05



C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 20+88.96	7082354.8038	2407544.4709
P.T. STA. 21+32.16	7082319.1342	2407568.8084
P.C. STA. 21+60.73	7082294.8576	2407583.8788
P.R.C. STA. 21+85.08	7082281.2993	2407603.3031
P.T. STA. 22+03.54	7082271.5201	2407618.4680
P.C. STA. 22+76.62	7082212.4195	2407661.4522
P.R.C. STA. 23+06.08	7082185.6986	2407673.3334
P.T. STA. 23+24.57	7082168.2625	2407679.3290
P.C. STA. 23+31.88	7082161.6937	2407682.5380
P.C.C. STA. 23+51.41	7082145.0921	2407692.7638

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C222	500.00'	04°56'59"	43.19'	S 34°18'21" E	43.18'
C223	30.00'	46°30'27"	24.35'	S 55°05'05" E	23.69'
C224	25.00'	42°18'35"	18.46'	S 57°11'01" E	18.04'
C225	70.00'	24°06'49"	29.46'	S 23°58'19" E	29.24'
C226	75.00'	14°07'17"	18.48'	S 18°58'33" E	18.44'
C227	100.00'	11°11'22"	19.53'	S 31°37'53" E	19.50'
C228	1046.00'	15°57'46"	291.42'	S 45°12'27" E	290.48'

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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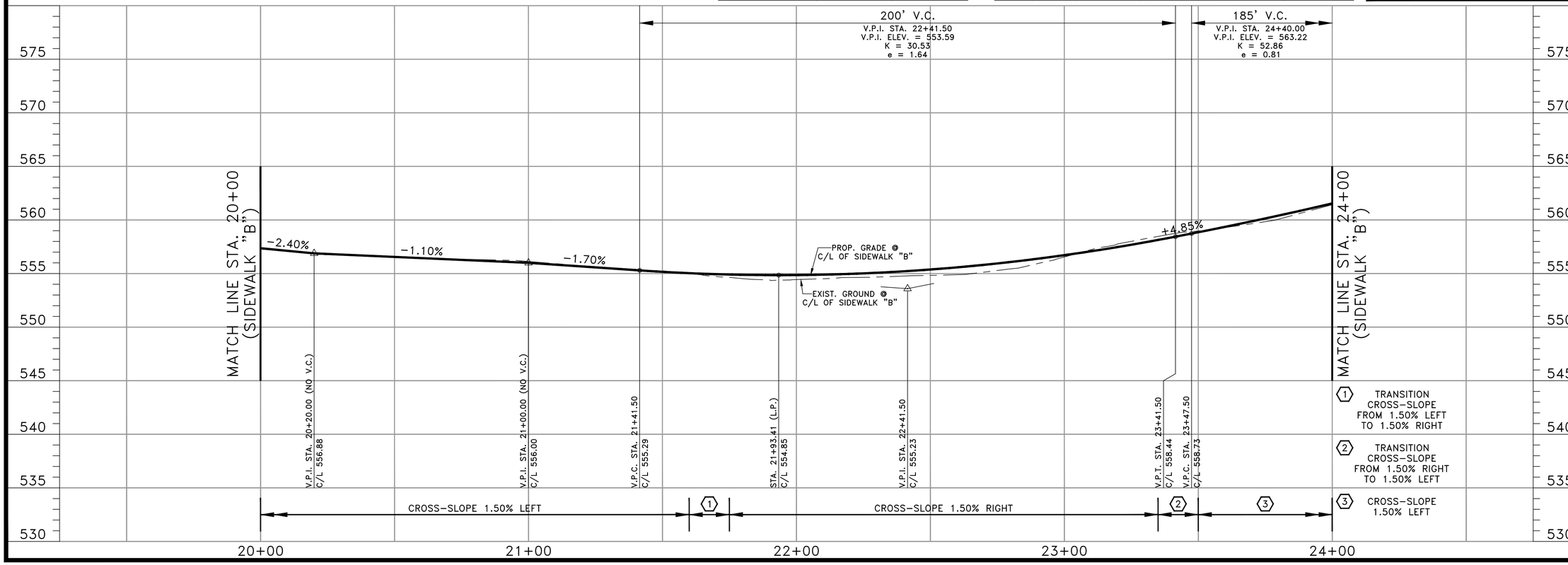

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 20+00 TO STA. 24+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
1			
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6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

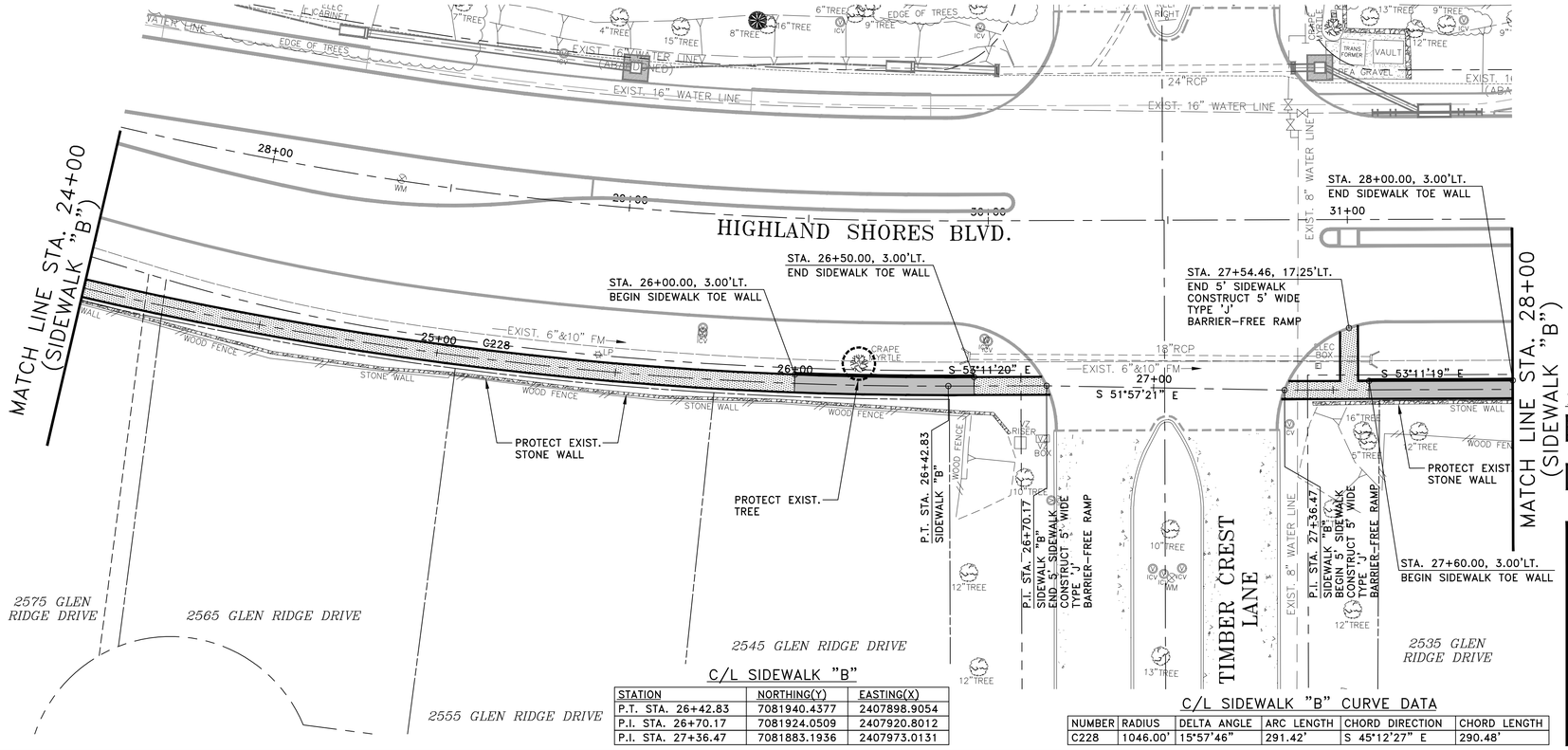
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 89

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-06



C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 26+42.83	7081940.4377	2407898.9054
P.I. STA. 26+70.17	7081924.0509	2407920.8012
P.I. STA. 27+36.47	7081883.1936	2407973.0131

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C228	1046.00'	15°57'46"	291.42'	S 45°12'27" E	290.48'

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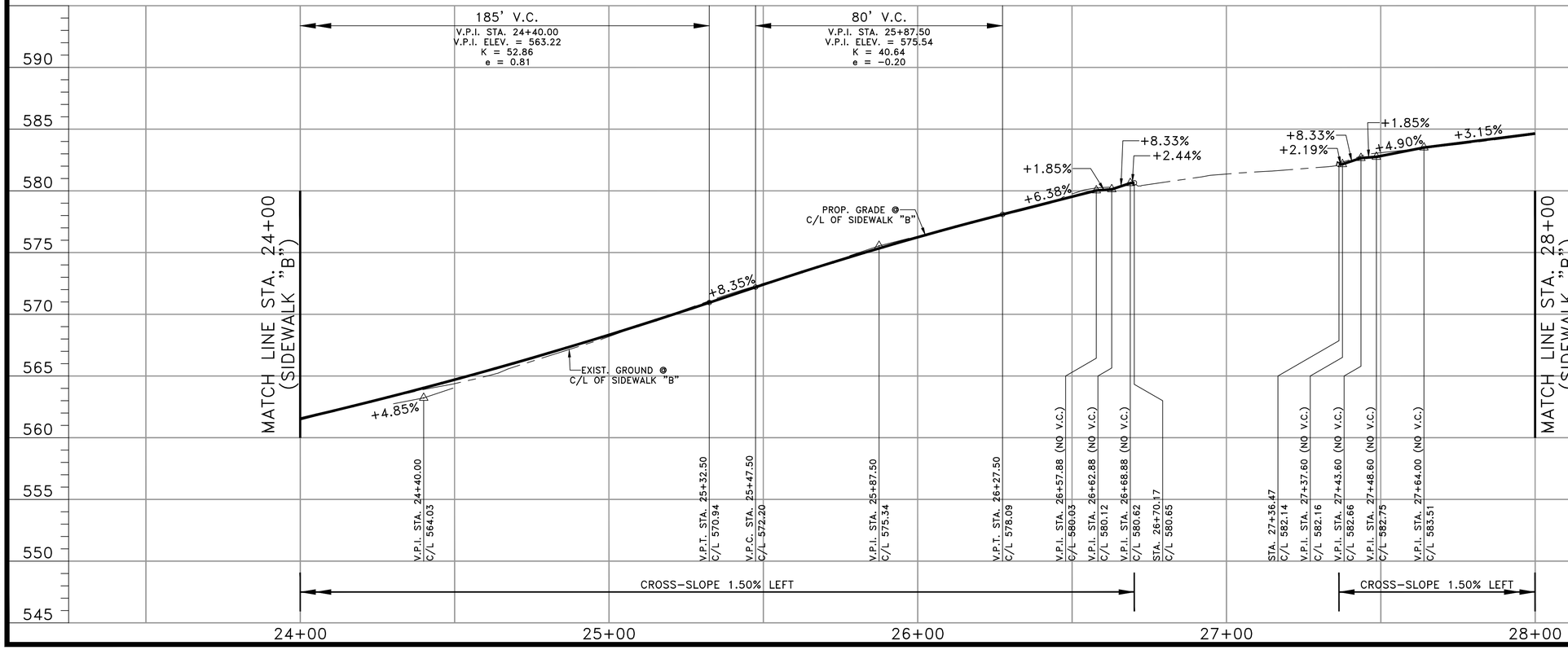

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 24+00 TO STA. 28+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

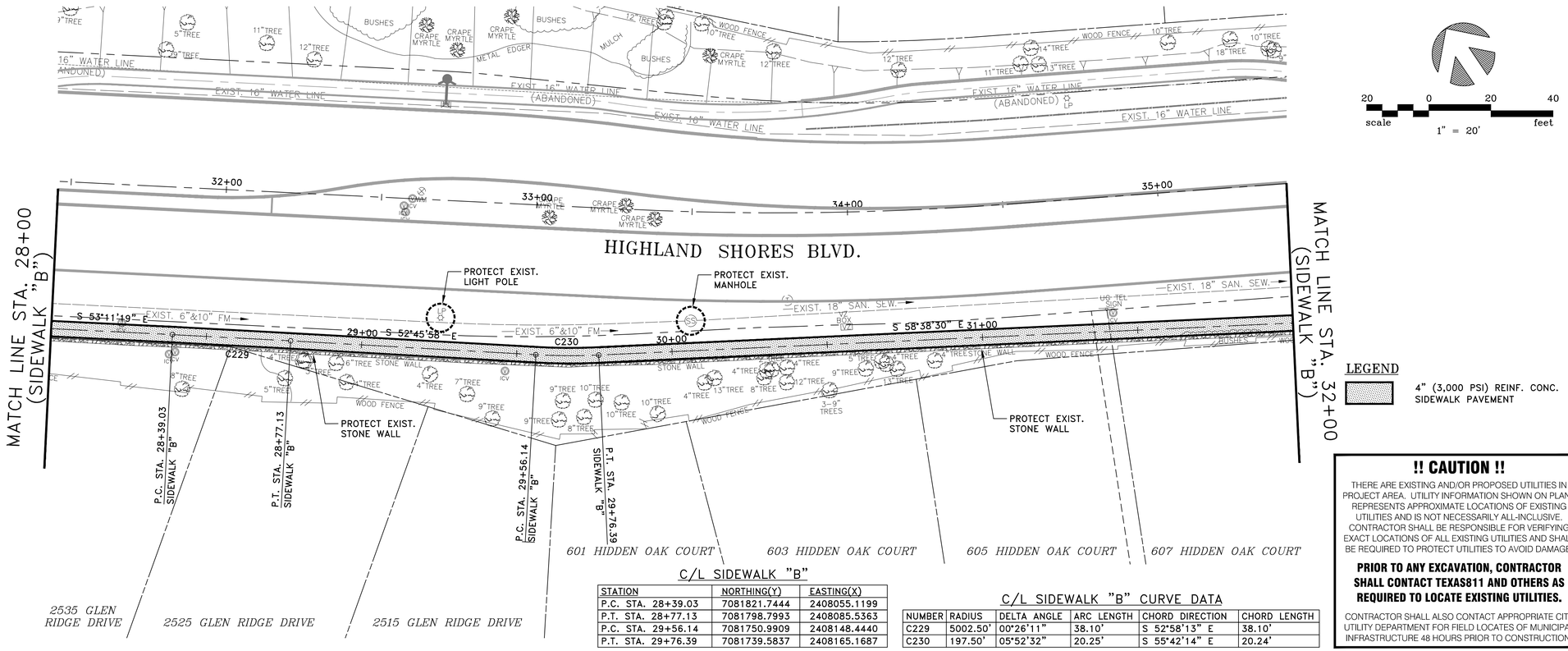
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 90

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-07

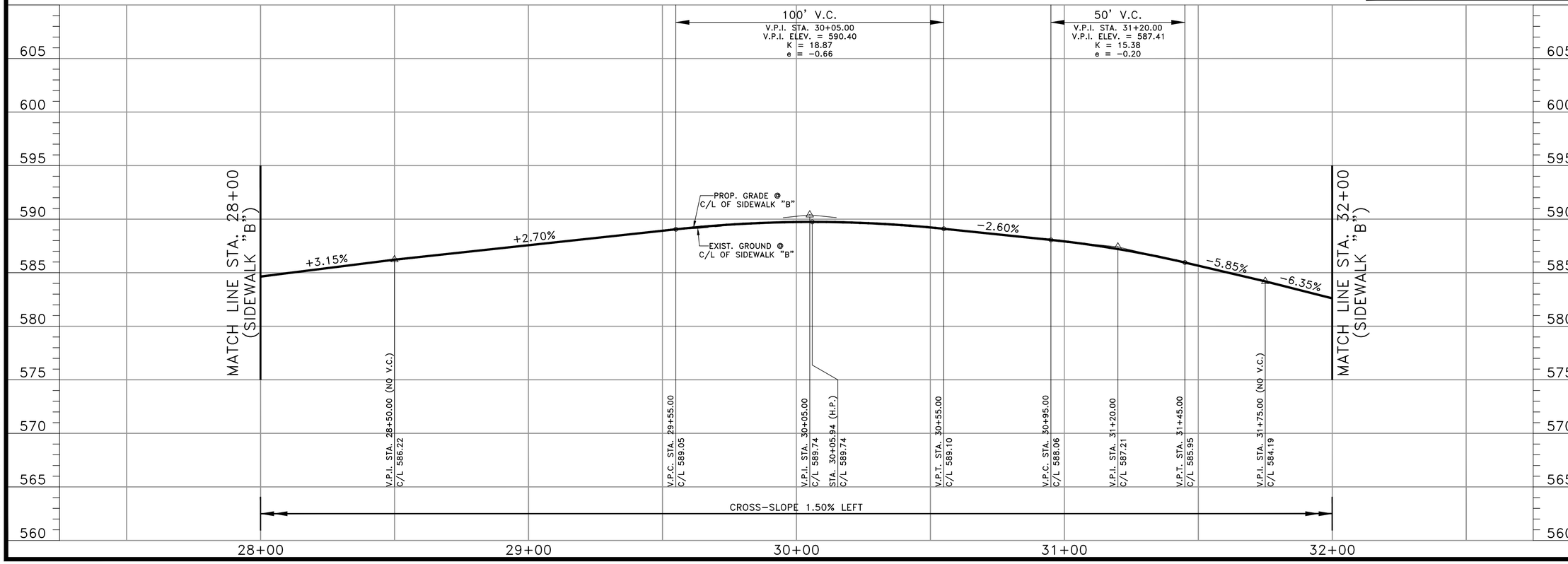


C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 28+39.03	7081821.7444	2408055.1199
P.T. STA. 28+77.13	7081798.7993	2408085.5363
P.C. STA. 29+56.14	7081750.9909	2408148.4440
P.T. STA. 29+76.39	7081739.5837	2408165.1687

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C229	5002.50'	00°26'11"	38.10'	S 52°58'13" E	38.10'
C230	197.50'	05°52'32"	20.25'	S 55°42'14" E	20.24'



LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE STA. 28+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
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SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

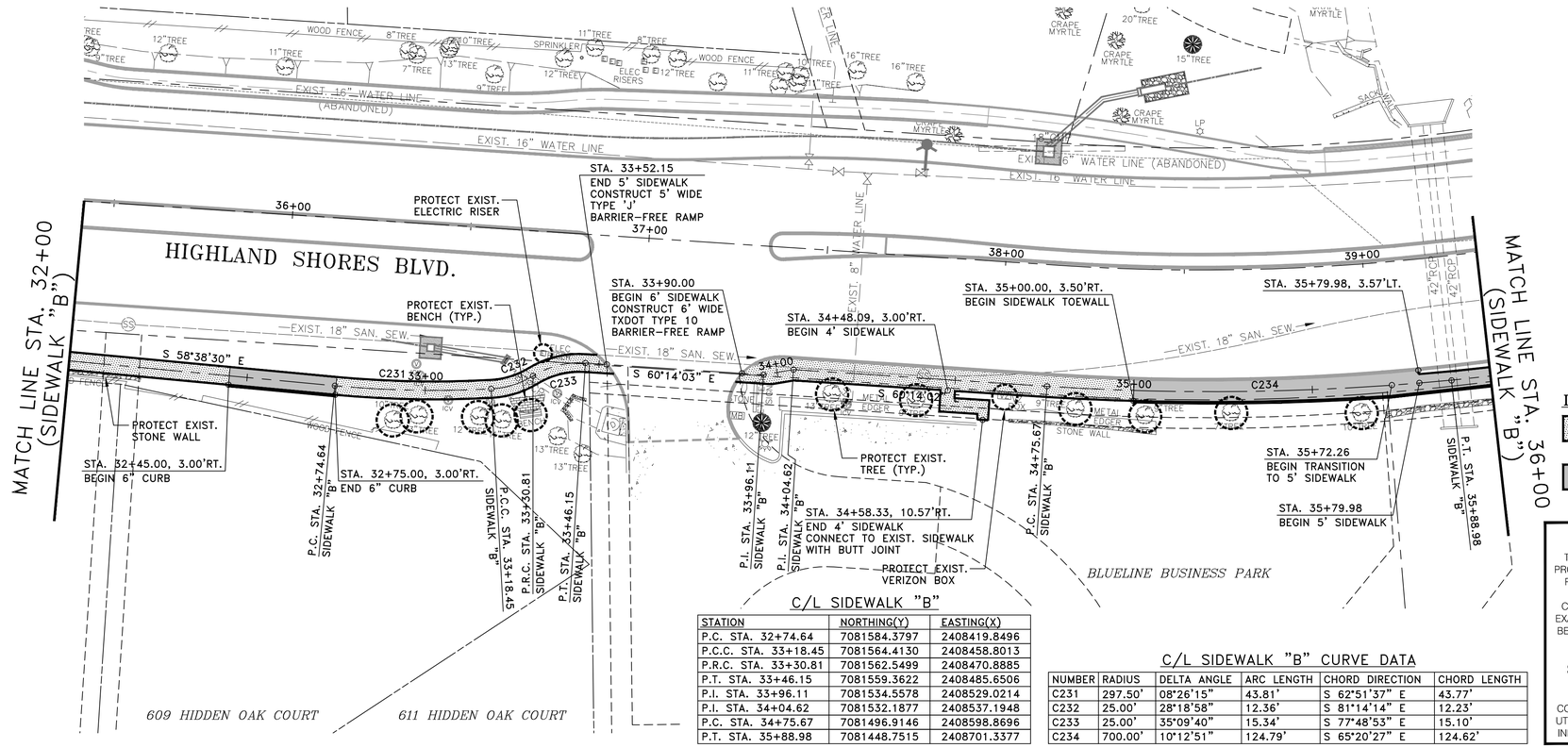
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 91

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-08



STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 32+74.64	7081584.3797	2408419.8496
P.C.C. STA. 33+18.45	7081564.4130	2408458.8013
P.R.C. STA. 33+30.81	7081562.5499	2408470.8885
P.T. STA. 33+46.15	7081559.3622	2408485.6506
P.I. STA. 33+96.11	7081534.5578	2408529.0214
P.I. STA. 34+04.62	7081532.1877	2408537.1948
P.C. STA. 34+75.67	7081496.9146	2408598.8696
P.T. STA. 35+88.98	7081448.7515	2408701.3377

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C231	297.50'	08°26'15"	43.81'	S 62°51'37" E	43.77'
C232	25.00'	28°18'58"	12.36'	S 81°14'14" E	12.23'
C233	25.00'	35°09'40"	15.34'	S 77°48'53" E	15.10'
C234	700.00'	10°12'51"	124.79'	S 65°20'27" E	124.62'

20 0 20 40
scale 1" = 20' feet

LEGEND
- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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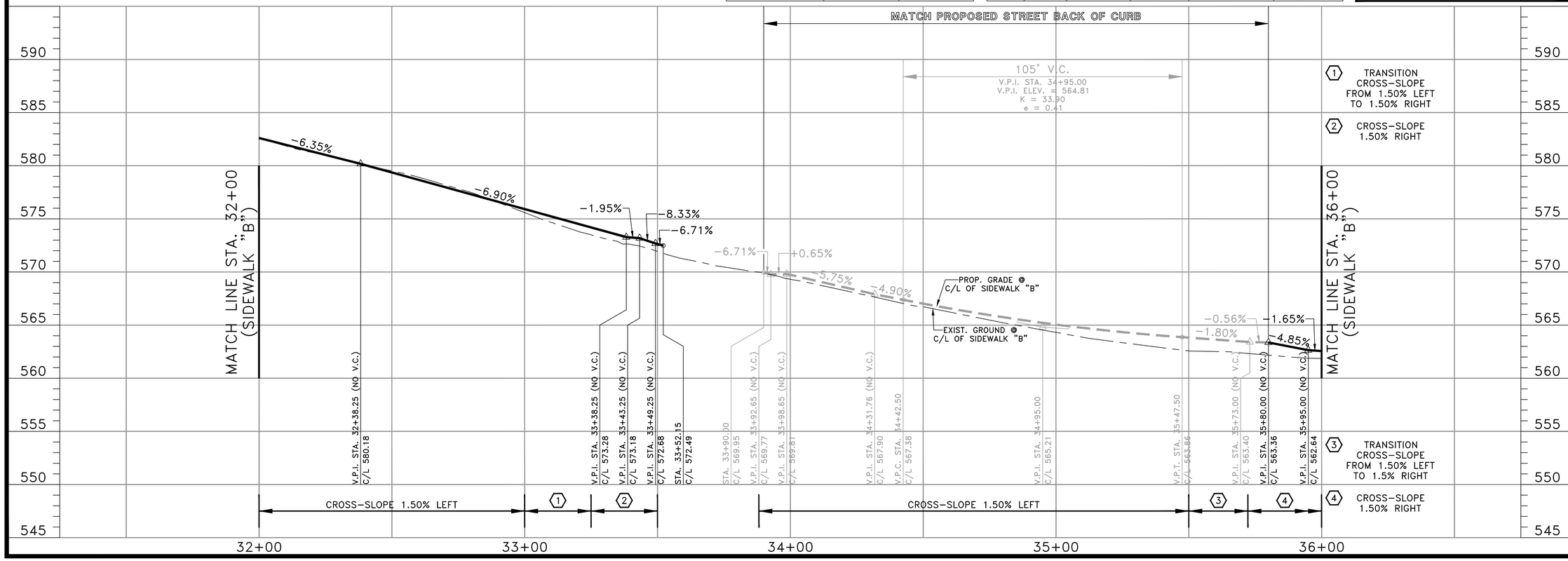

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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 32+00 TO STA. 36+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
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4			
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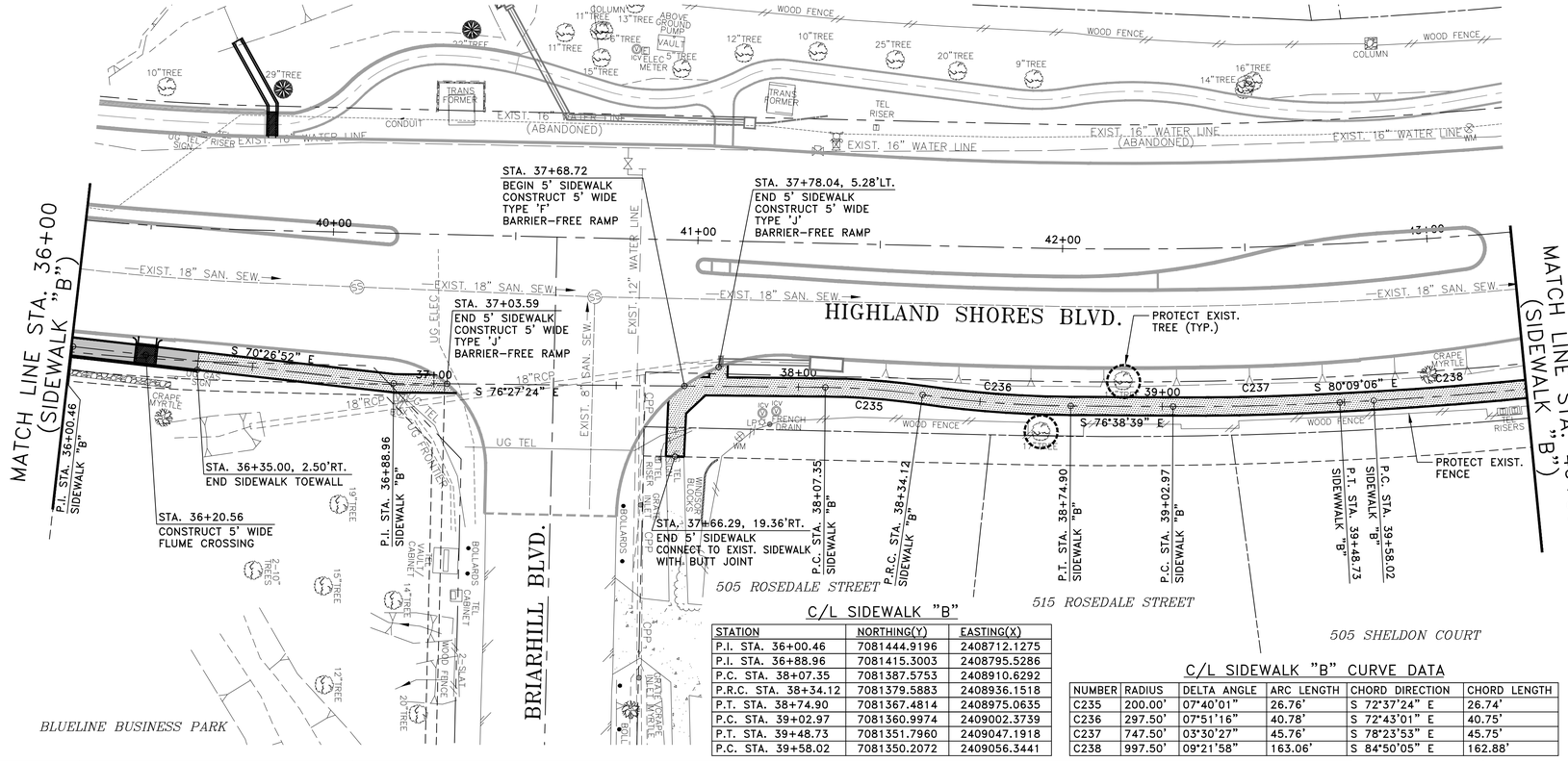
SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 92

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-09



STATION	NORTHING(Y)	EASTING(X)
P.I. STA. 36+00.46	7081444.9196	2408712.1275
P.I. STA. 36+88.96	7081415.3003	2408795.5286
P.C. STA. 38+07.35	7081387.5753	2408910.6292
P.R.C. STA. 38+34.12	7081379.5883	2408936.1518
P.T. STA. 38+74.90	7081367.4814	2408975.0635
P.C. STA. 39+02.97	7081360.9974	2409002.3739
P.T. STA. 39+48.73	7081351.7960	2409047.1918
P.C. STA. 39+58.02	7081350.2072	2409056.3441

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C235	200.00'	07°40'01"	26.76'	S 72°37'24" E	26.74'
C236	297.50'	07°51'16"	40.78'	S 72°43'01" E	40.75'
C237	747.50'	03°30'27"	45.76'	S 78°23'53" E	45.75'
C238	997.50'	09°21'58"	163.06'	S 84°50'05" E	162.88'

20 0 20 40
scale 1" = 20' feet

LEGEND
- 4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT
- 6" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

THERE ARE EXISTING AND/OR PROPOSED UTILITIES IN PROJECT AREA. UTILITY INFORMATION SHOWN ON PLANS REPRESENTS APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND IS NOT NECESSARILY ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL EXISTING UTILITIES AND SHALL BE REQUIRED TO PROTECT UTILITIES TO AVOID DAMAGE.

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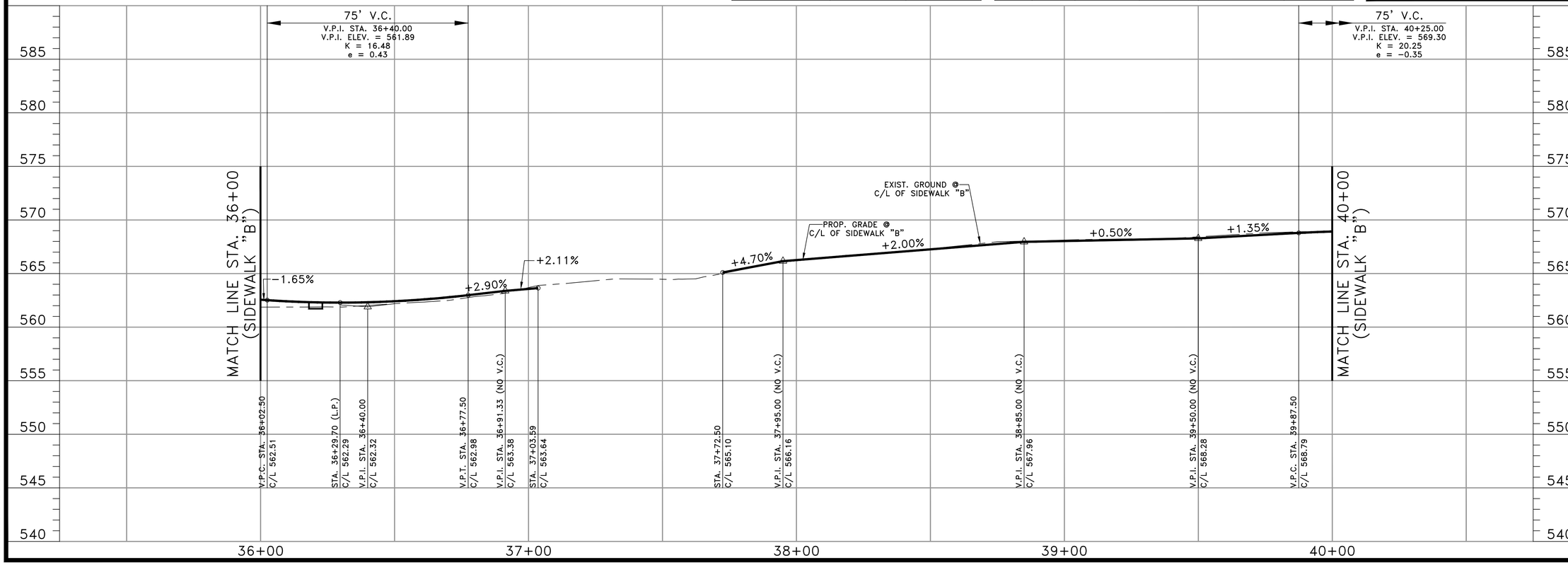
CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.



SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

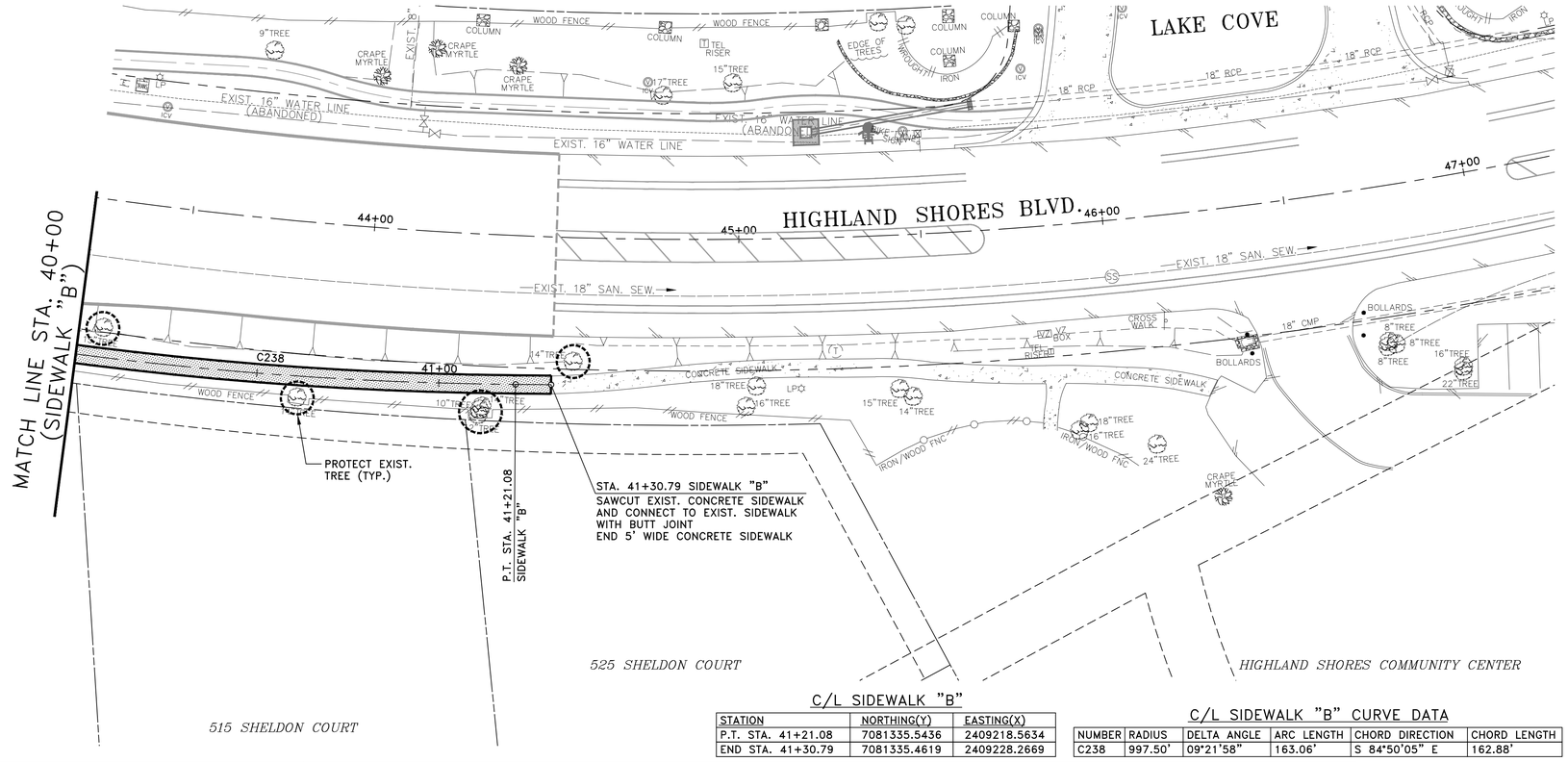
STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 36+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 93

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-10



20 0 20 40
scale 1" = 20' feet

LEGEND

4" (3,000 PSI) REINF. CONC. SIDEWALK PAVEMENT

!! CAUTION !!

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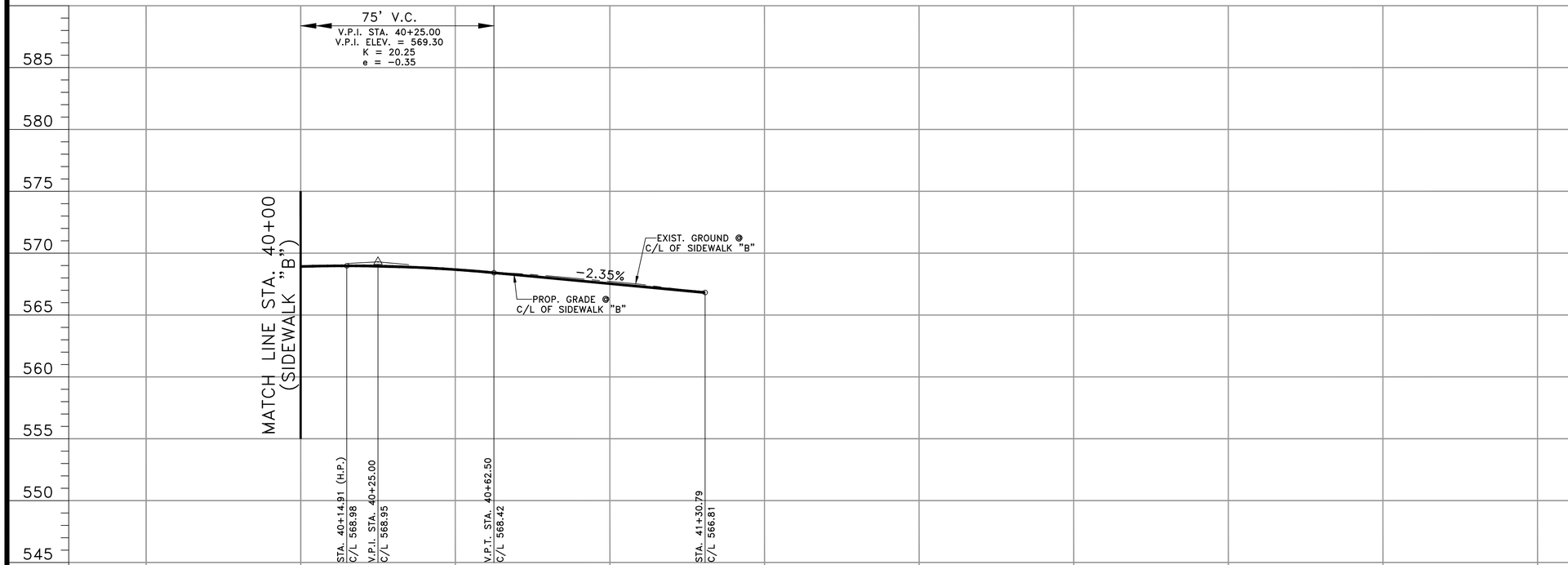
C/L SIDEWALK "B"

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 41+21.08	7081335.5436	2409218.5634
END STA. 41+30.79	7081335.4619	2409228.2669

C/L SIDEWALK "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C238	997.50'	09°21'58"	163.06'	S 84°50'05" E	162.88'



SCHAUMBURG & POLK, INC.
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
SIDEWALK "B" - PLAN AND PROFILE
STA. 40+00 TO STA. 41+30.79
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 94

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-SIDEWALK-B-11

!! CAUTION !!

THERE ARE EXISTING AND/OR PROPOSED UTILITIES IN PROJECT AREA. UTILITY INFORMATION SHOWN ON PLANS REPRESENTS APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND IS NOT NECESSARILY ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL EXISTING UTILITIES AND SHALL BE REQUIRED TO PROTECT UTILITIES TO AVOID DAMAGE.

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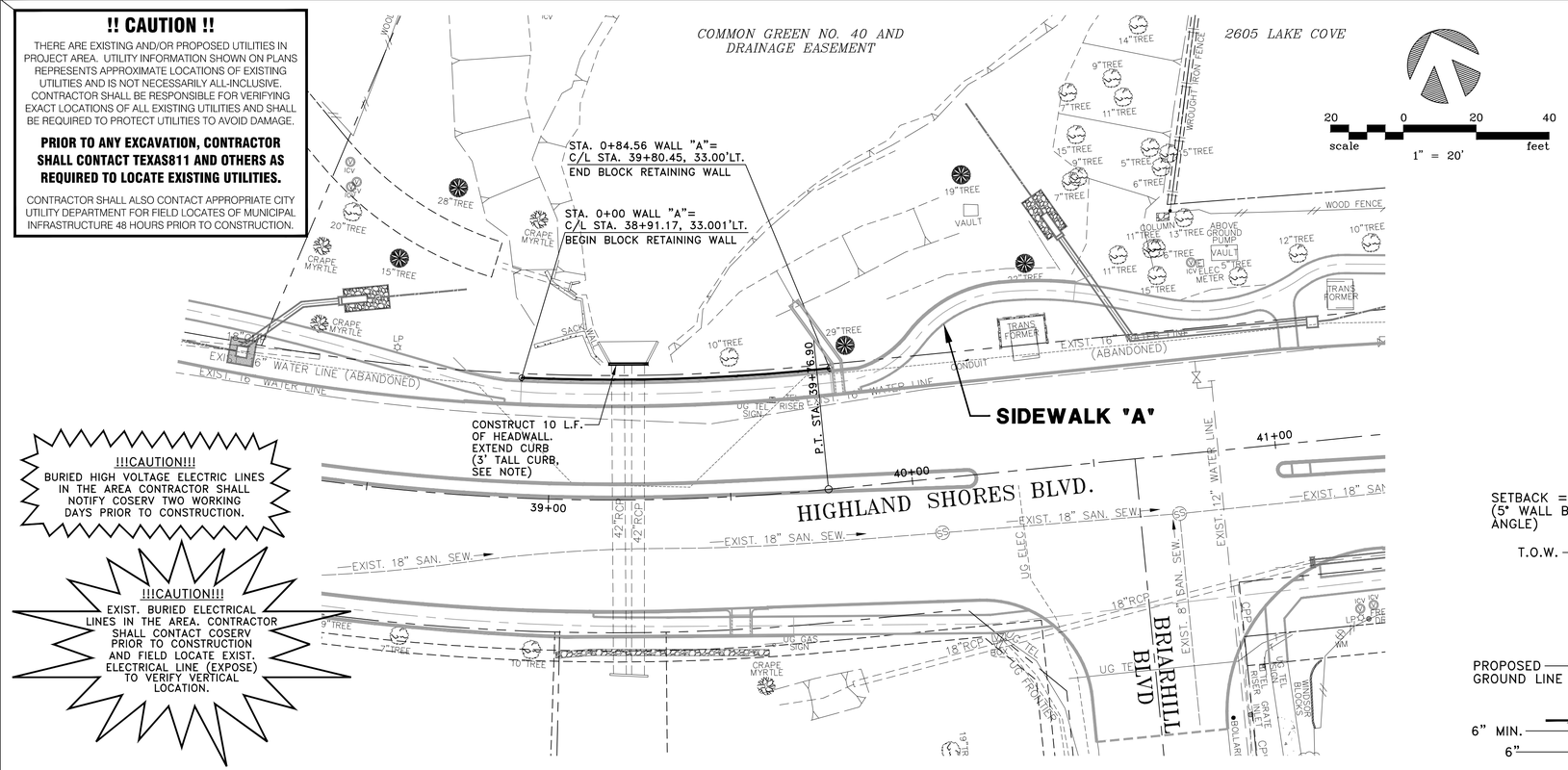
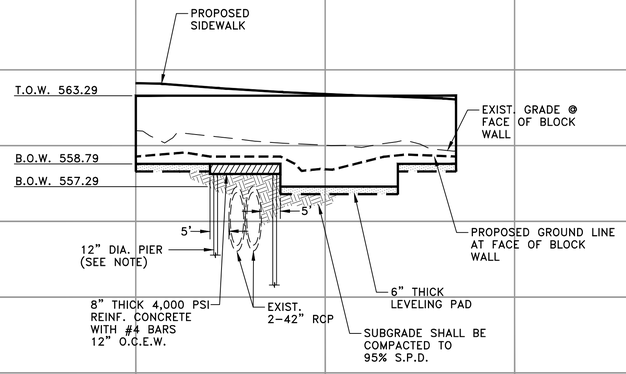


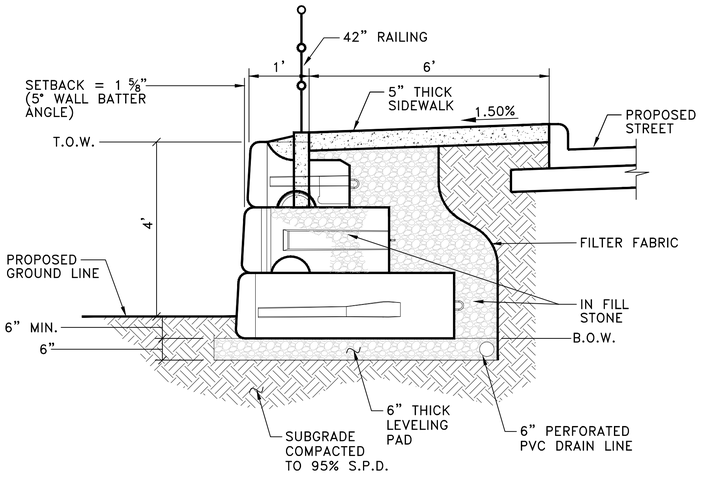
!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!!!CAUTION!!!
EXIST. BURIED ELECTRICAL LINES IN THE AREA. CONTRACTOR SHALL CONTACT COSERV PRIOR TO CONSTRUCTION AND FIELD LOCATE EXIST. ELECTRICAL LINE (EXPOSE) TO VERIFY VERTICAL LOCATION.

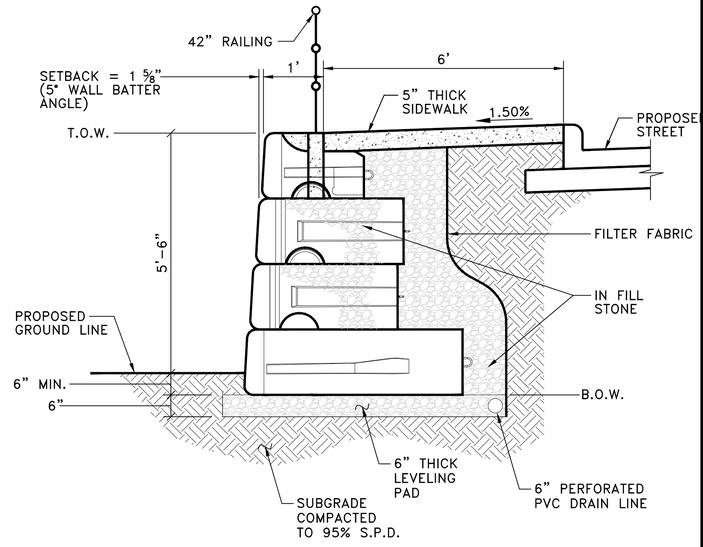


NOTES:

1. BLOCK RETAINING WALL SHALL BE REDI-ROCK HOLLOW-CORE BLOCK OR APPROVED EQUAL. CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS SPECIFIC TO THIS PROJECT THAT ARE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. SHOP DRAWING SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO START OF RETAINING BLOCK WALL CONSTRUCTION.
2. IN FILL AND LEVELING STONE SHALL BE NO. 57 STONE UNLESS OTHER IS SPECIFIED BY THE RETAINING WALL ENGINEER.
3. FILTER FABRIC SHALL BE GEOTEX 401 FILTER FABRIC BY PROPEX OR APPROVED EQUAL.
4. 6" PERFORATED PVC PIPE SHALL BE SDR 35.
5. CONCRETE LEVEL PAD SHALL HAVE 2-12" DIA. PIERS UNLESS OTHERWISE SPECIFIED BY STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.
6. UNIT PRICE BID FOR BLOCK RETAINING WALL SHALL INCLUDE ALL ITEMS NECESSARY FOR CONSTRUCTION OF WALL INCLUDING, BUT NOT LIMITED TO, CONCRETE BLOCKS, PVC DRAIN, IN FILL STONE, LEVELING PAD, PIERS, CONCRETE LEVELING PAD.
7. HEADWALL EXTENDED CURB SHALL CONFORM TO TXDOT ECD DETAILS. PROPOSED CURB SHALL BE 3' TALL.
8. CONTRACTOR SHALL GRADE SIDEWALK SO THAT WATER DOES NOT POND BEHIND THE PROPOSED BLOCK RETAINING WALL.



4' WALL SECTION
NOT TO SCALE



5'-6" WALL SECTION
NOT TO SCALE

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KYLE I PORT ARTHUR I TERRELL I TYLER
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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
WALL "A" - PLAN AND PROFILE

NO.	DATE:	REVISION:	REVIEWED
1			
2			
3			
4			
5			
6			
7			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
95

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-WALL-A

!! CAUTION !!

THERE ARE EXISTING AND/OR PROPOSED UTILITIES IN PROJECT AREA. UTILITY INFORMATION SHOWN ON PLANS REPRESENTS APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND IS NOT NECESSARILY ALL-INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL EXISTING UTILITIES AND SHALL BE REQUIRED TO PROTECT UTILITIES TO AVOID DAMAGE.

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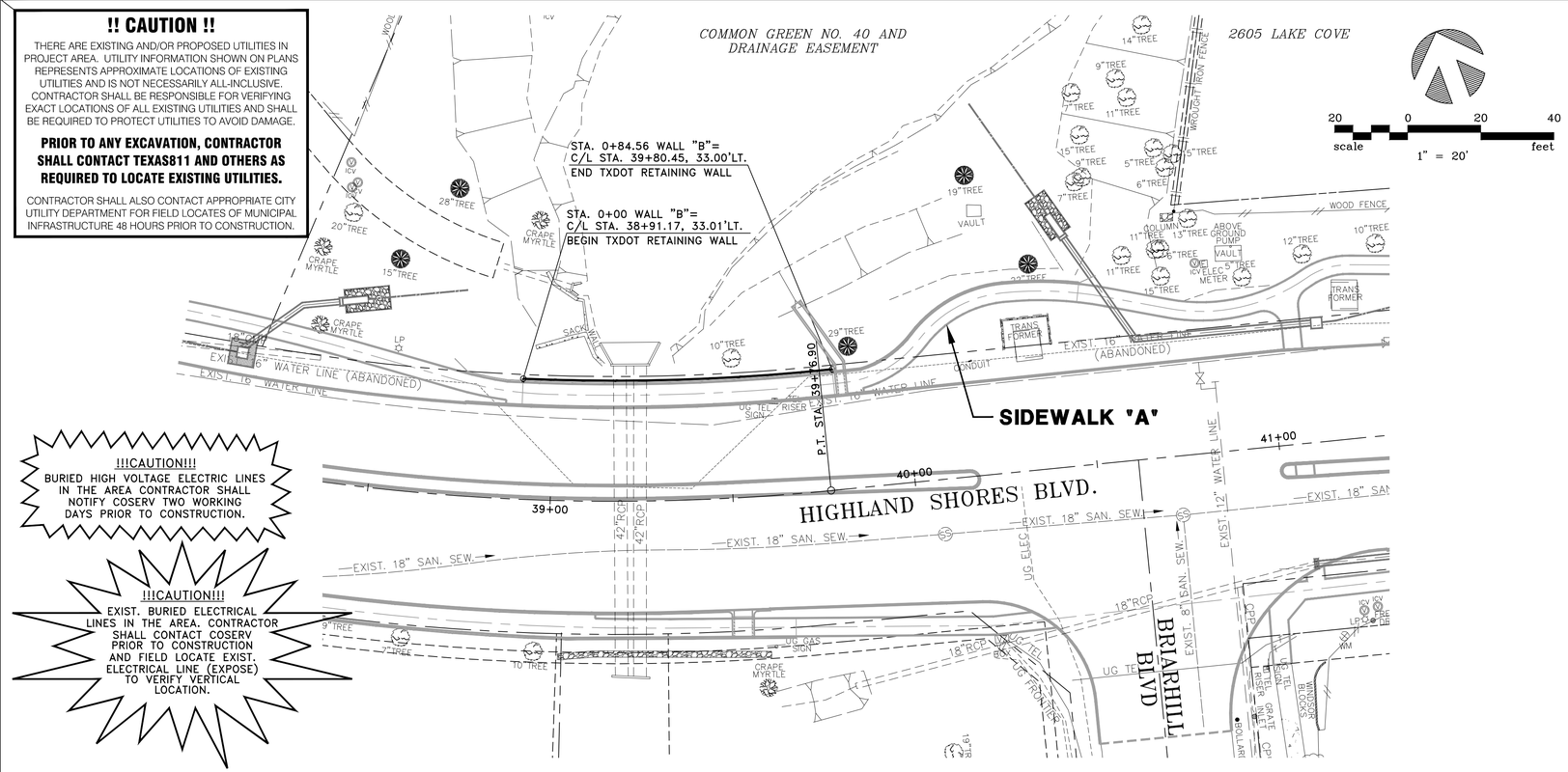
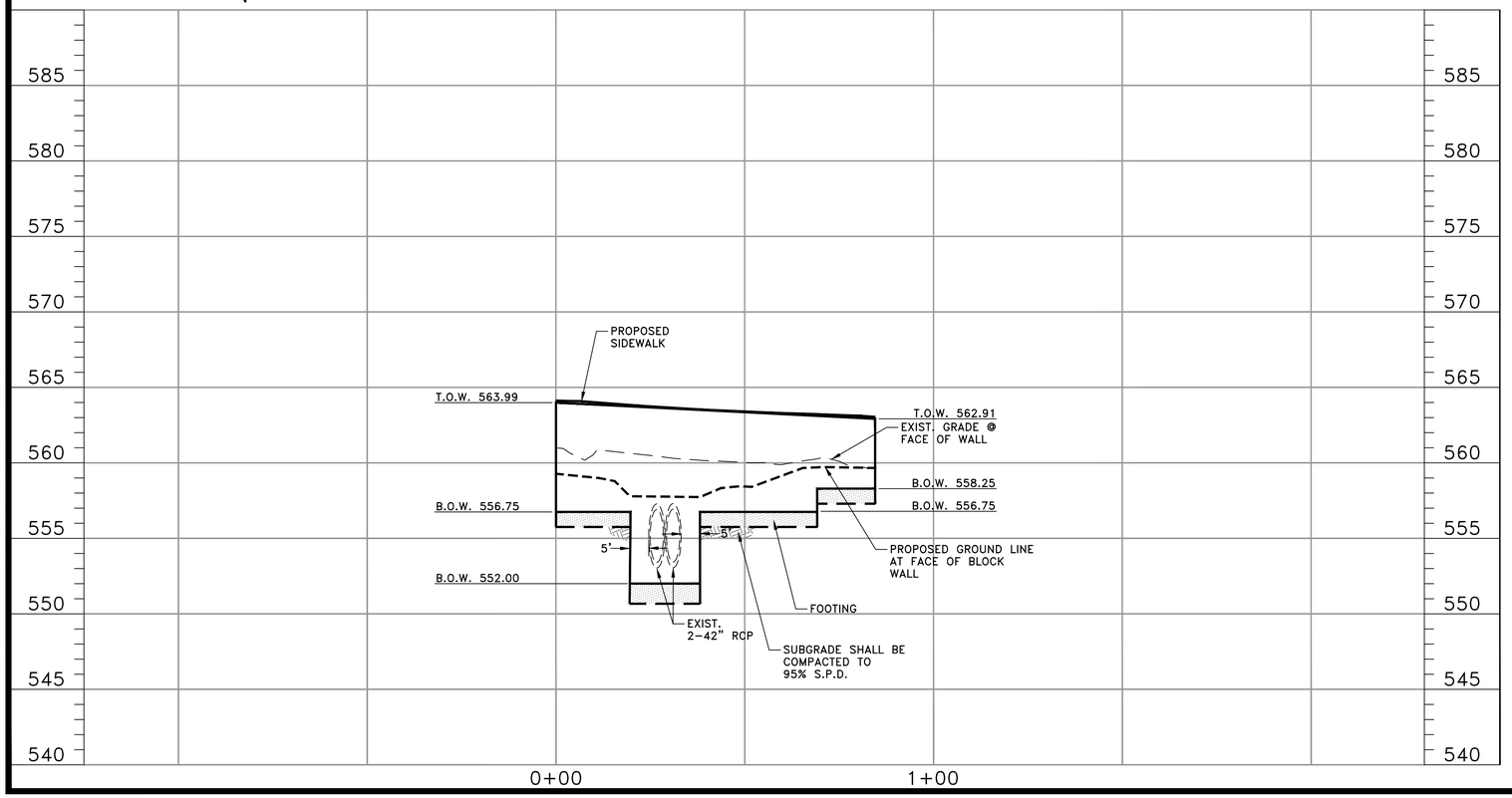
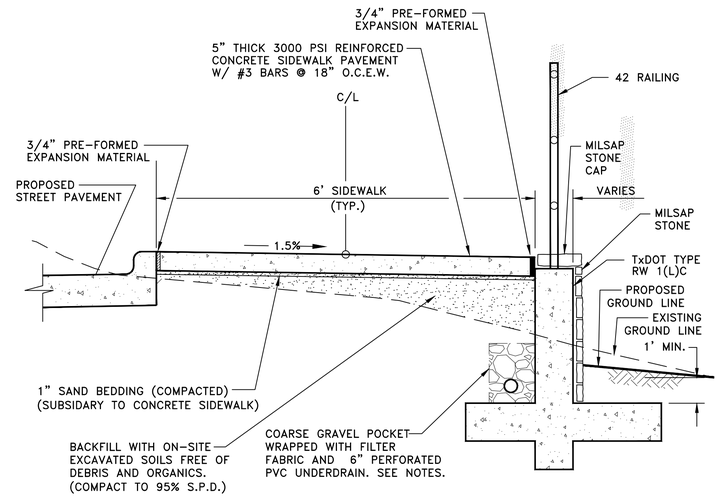




NOTES:

1. REINFORCED CONCRETE RETAINING WALL SHALL BE TXDOT SPREAD FOOTING RETAINING WALL DESIGN TYPE 'C'. CONTRACTOR SHALL REPAIR AND SUBMIT SHOP DRAWINGS SPECIFIC TO THIS PROJECT THAT ARE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. SHOP DRAWING SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO START OF RETAINING WALL CONSTRUCTION.
2. WALL DIMENSIONS AND REINFORCING SHALL CONFORM TO TxDOT STANDARD RETAINING WALL (RW 1(L)C).
3. FILTER FABRIC SHALL BE GEOTEX 401 FILTER FABRIC BY PROPEX OR APPROVED EQUAL.
4. 6" PERFORATED PVC PIPE SHALL BE SDR 35.
5. STONE VENEER TO BE SECURED TO CONCRETE WALL WITH WALL TIES. STONE VENEER WALL TIES SHALL BE PLACED IN A 18"x18" GRID.
6. MILSAP STONE VENEER TO BE PLACED IN A RANDOM RECTANGULAR PATTERN. CONTRACTOR SHALL PROVIDE STONE SAMPLES TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION.
7. UNIT PRICE BID FOR BLOCK RETAINING WALL SHALL INCLUDE ALL ITEMS NECESSARY FOR CONSTRUCTION OF WALL INCLUDING, BUT NOT LIMITED TO, CONCRETE BLOCKS, PVC DRAIN, IN FILL STONE, LEVELING PAD, PIERS, CONCRETE LEVELING PAD.
8. CONTRACTOR SHALL GRADE SIDEWALK SO THAT WATER DOES NOT POND BEHIND THE PROPOSED BLOCK RETAINING WALL.

ADD ALTERNATE 5



WALL 'B' TYPICAL SECTION

NOT TO SCALE

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
WALL "B" - PLAN AND PROFILE
ADD ALTERNATE 5
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

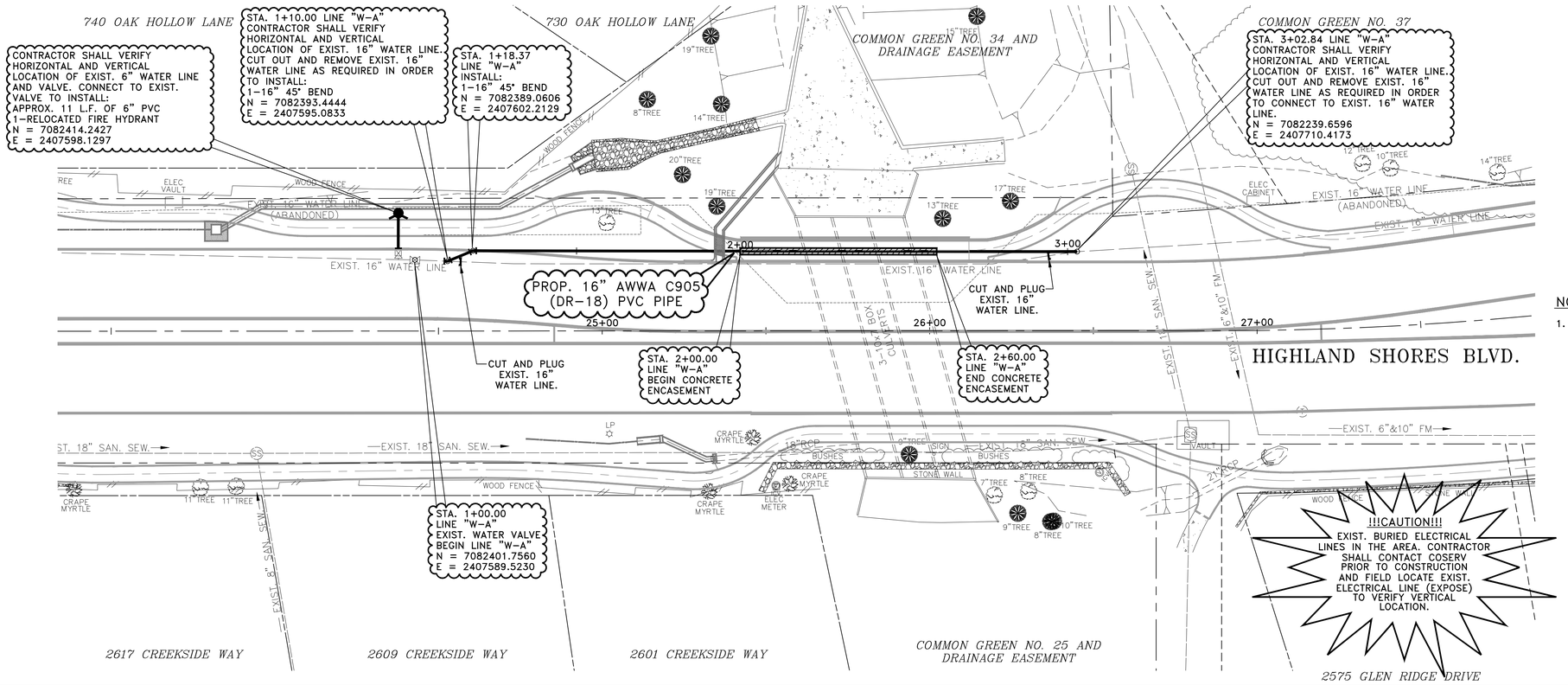
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 96

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-WALL-A



NOTES:

1. 6" PVC WATER LINE SHALL BE 6" AWWA C900 (DR-18) WITH CLASS "B-1" EMBEDMENT. CONTRACTOR SHALL REINSTALL RELOCATED FIRE HYDRANT IN NEW LOCATION.

!!CAUTION!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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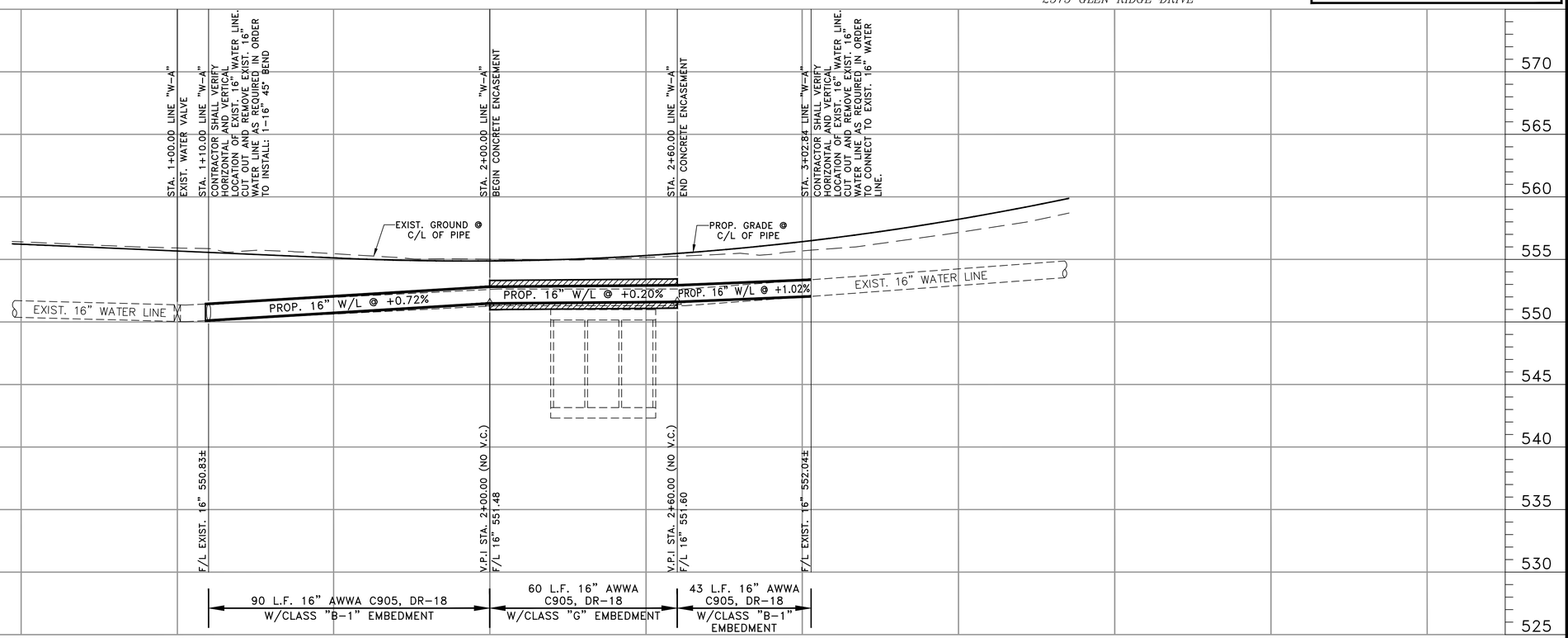

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

WATER LINE "W-A" - PLAN AND PROFILE

STA. 1+00 TO STA. 3+02.84

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

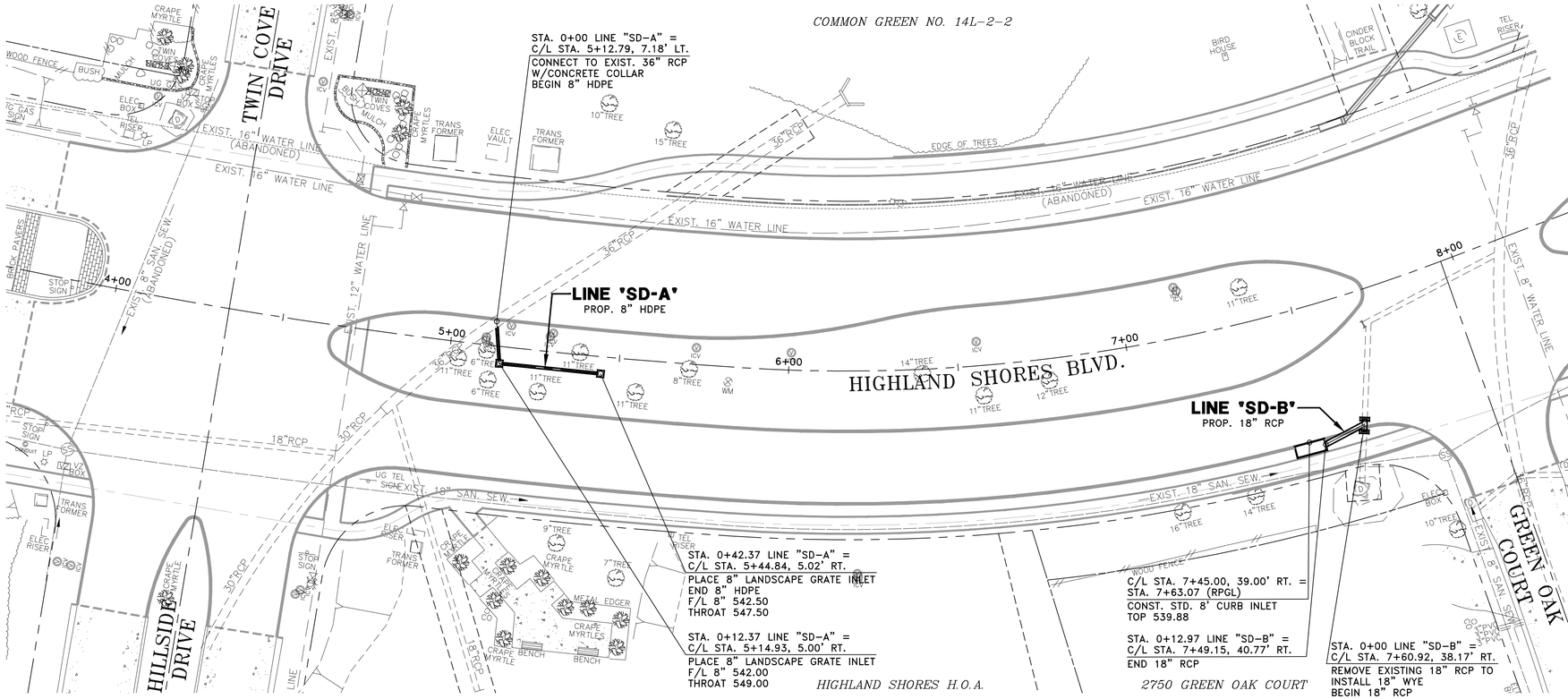
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 97

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-WATER-01



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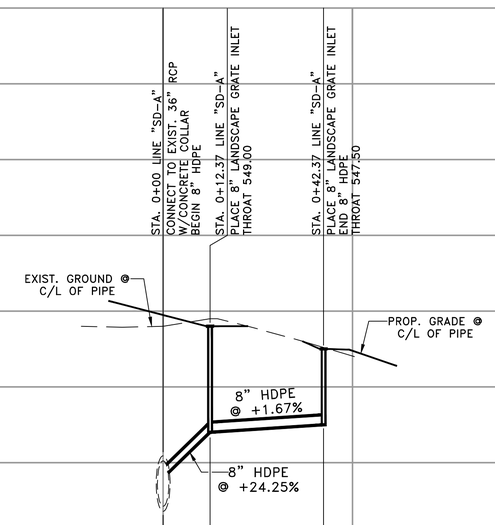

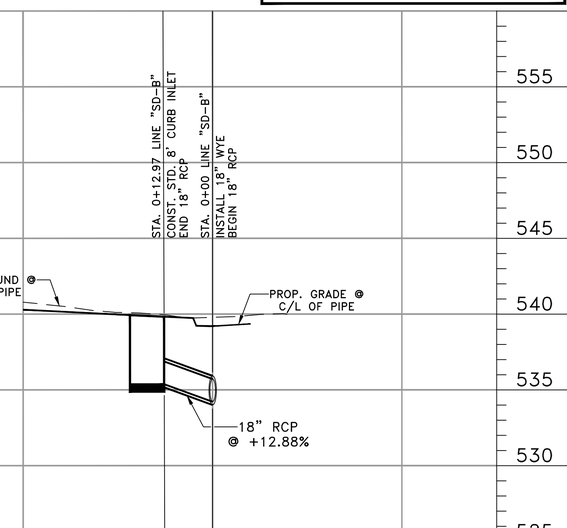

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE LINE "SD-A" AND LINE "SD-B"
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 98

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-S-01

751 GREENWAY COURT

2810 LAKESIDE DRIVE

2820 WOODHOLLOW COURT

2830 WOODHOLLOW COURT

LAKESIDE DRIVE

HIGHLAND SHORES BLVD.

HIGHLAND SHORES COMMUNITY PARK

STA. 0+00 LINE "SD-D" = C/L STA. 14+30.33, 1.01' LT.
EXIST. 30" RCP

STA. 0+21.85 LINE "SD-D" = C/L STA. 14+38.85, 19.16' RT.
CONNECT TO EXIST. 18" RCP W/CONCRETE COLLAR
BEGIN 18" RCP

STA. 0+00 LINE "SD-E" = C/L STA. 15+34.81, 1.23' LT.
EXIST. 30" RCP

STA. 0+27.10 LINE "SD-E" = C/L STA. 15+49.66, 21.57' RT.
CONNECT TO EXIST. 18" RCP W/CONCRETE COLLAR
BEGIN 18" RCP

20 0 20 40
scale 1" = 20' feet

LINE "SD-C"
PROP. 2-15" HDPE

LINE "SD-D"
PROP. 18" RCP

LAT. "SD-D1"
PROP. 18" RCP

LINE "SD-E"
PROP. 18" RCP

PROTECT EXIST. LIGHT POLE

PROTECT EXIST. STONE WALL

PROTECT EXIST. CURB INLET

STA. 0+12.36 LINE "SD-C" = C/L STA. 12+13.11, 37.80' RT.
CONNECT TO EXIST. 2-15" CCP W/CONCRETE COLLAR
END 2-15" HDPE

STA. 0+00 LINE "SD-C" = C/L STA. 12+00.05, 37.57' RT.
CONSTRUCT 2-15" PSET AT 7.5° SKEW
BEGIN 2-15" HDPE

STA. -(0+25.00) LINE "SD-C" = C/L STA. 11+74.10, 42.39' RT.
END GRADE TO DRAIN

STA. 0+33.04 LINE "SD-D" = STA. 0+00 LAT. "SD-D1" = C/L STA. 14+43.42, 29.45' RT.
WYE CONNECTION

STA. ±0+53.40 LINE "SD-D" = C/L STA. ±14+51.97, 48.08' RT.
CONNECT TO EXIST. CURB INLET
END 18" RCP

C/L STA. 14+55.70, 28.50' RT. = STA. 14+49.87 (RPGL)
CONST. STD. 8' CURB INLET
TOP 547.31

STA. 0+07.30 LAT. "SD-D1" = C/L STA. 14+51.00, 30.25' RT.
END 18" RCP

STA. ±0+52.10 LINE "SD-E" = C/L STA. ±15+64.28, 42.32' RT.
CONNECT TO EXIST. CURB INLET
END 18" RCP

NOTES:

1. CONTRACTOR SHALL CLEAN AND REMOVE ANY DEBRIS FROM THE EXISTING INLET AND PIPE PRIOR TO INSTALLATION OF PROPOSED PIPE. (NO SEPARATE PAY)

!!!CAUTION!!!
BURIED ELECTRIC LINES IN THE AREA. CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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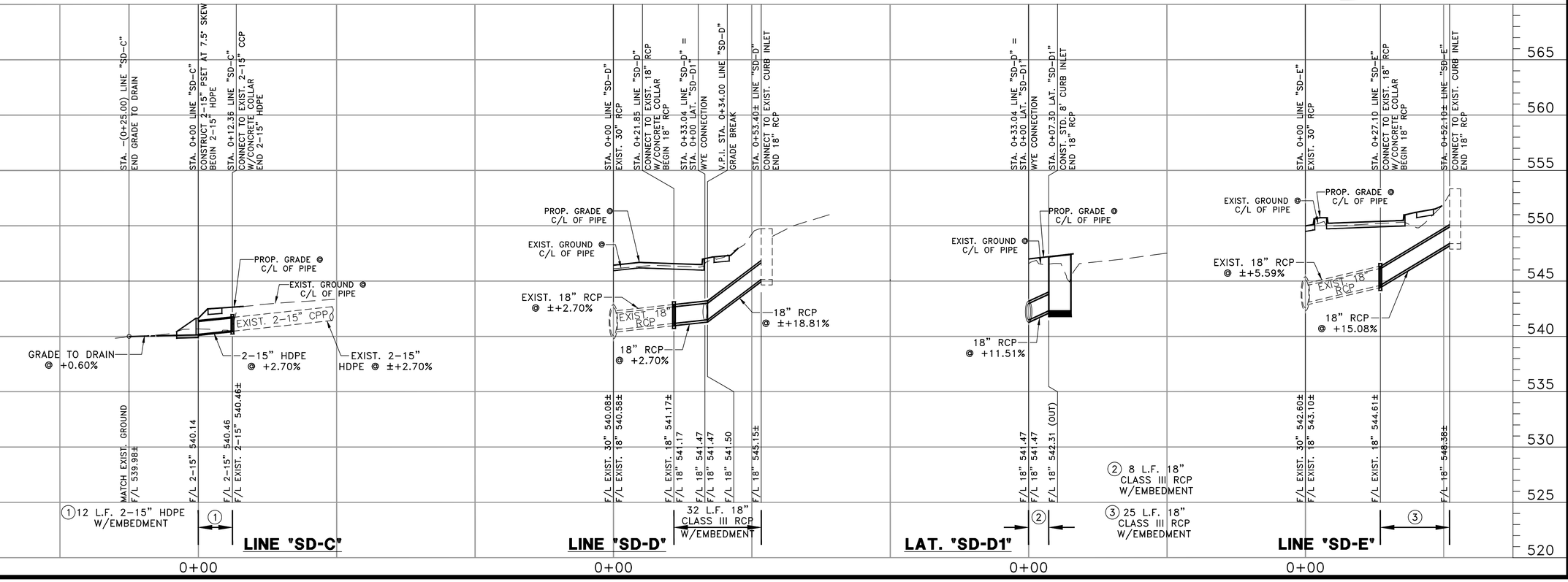


SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
LINE "SD-C", LINE "SD-D", AND LINE "SD-E"
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

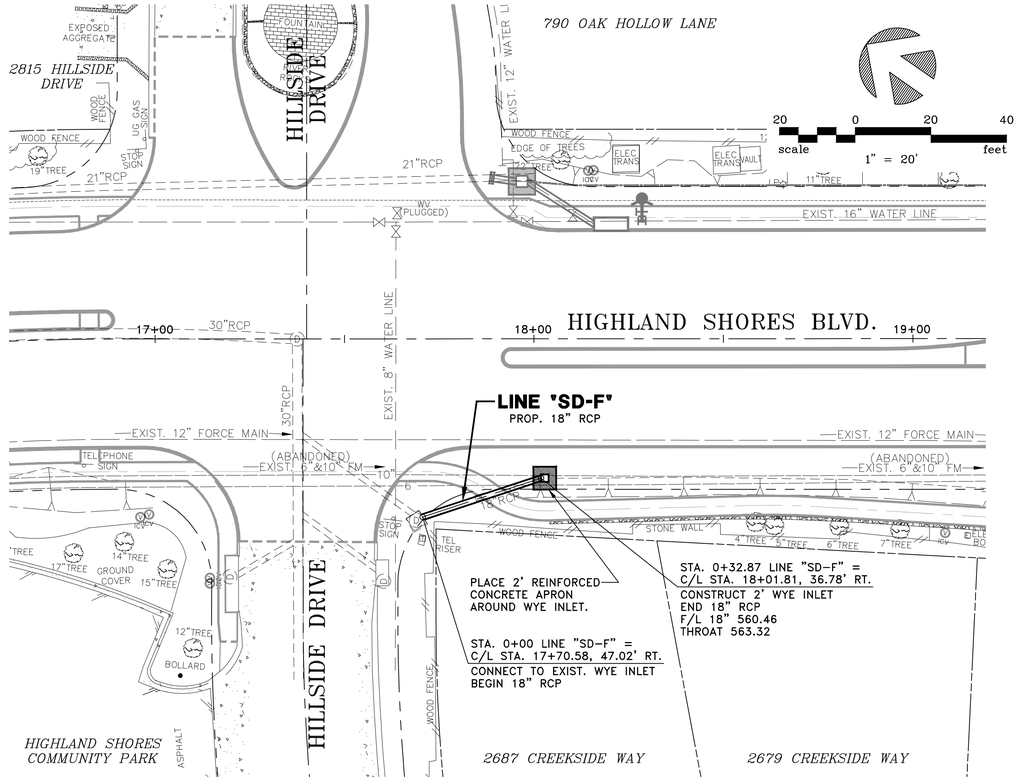
DRAWN BY: SPI

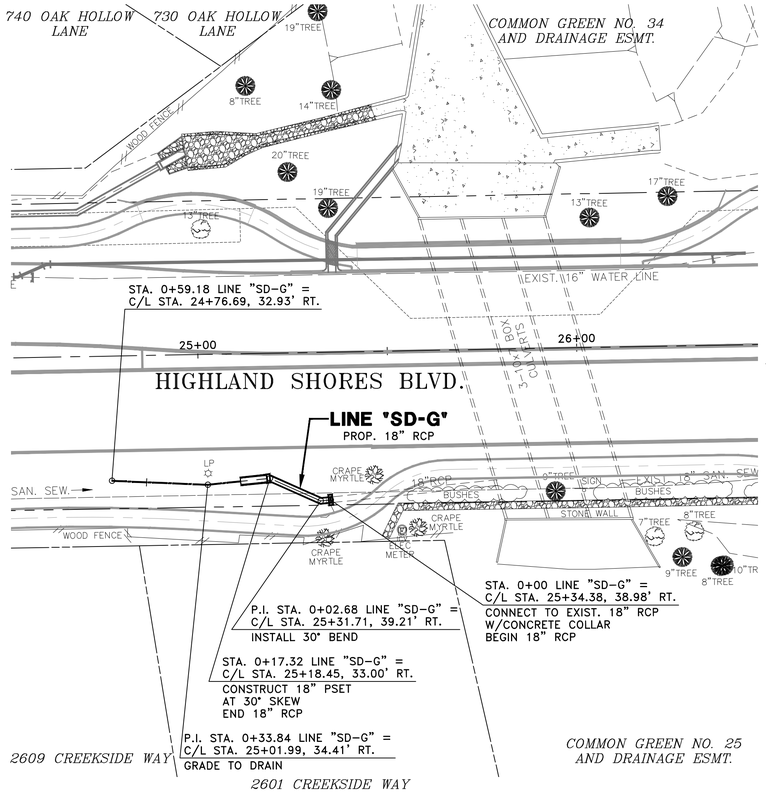
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 99

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-S-02





NOTES:

1. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.

!!!CAUTION!!!
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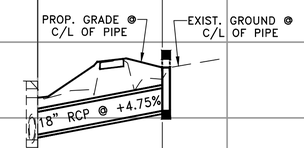
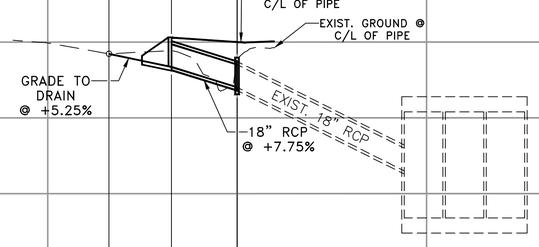


LINE "SD-F"



LINE "SD-G"

0+00 1+00 1+00 0+00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE LINE "SD-F" AND LINE "SD-G"
CITY OF HIGHLAND VILLAGE

NO.	DATE:	REVISION:	REVIEWED:
1			
2			
3			
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5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

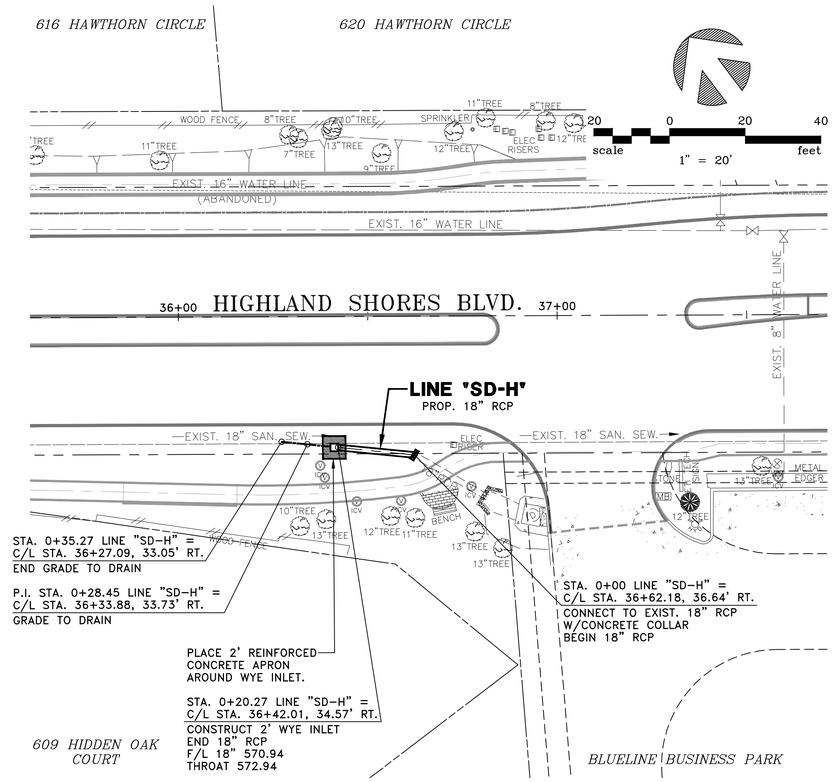
DRAWN BY: SPI

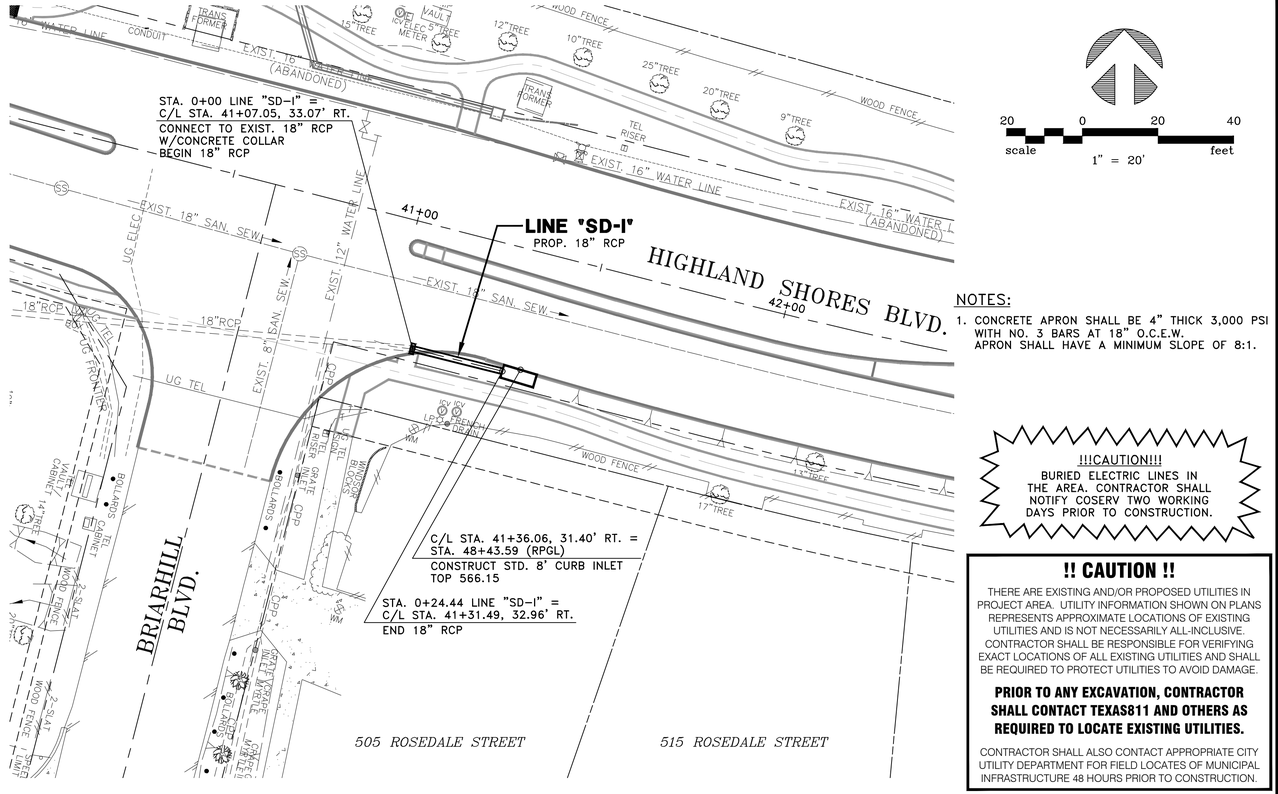
REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 100

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-S-03





NOTES:

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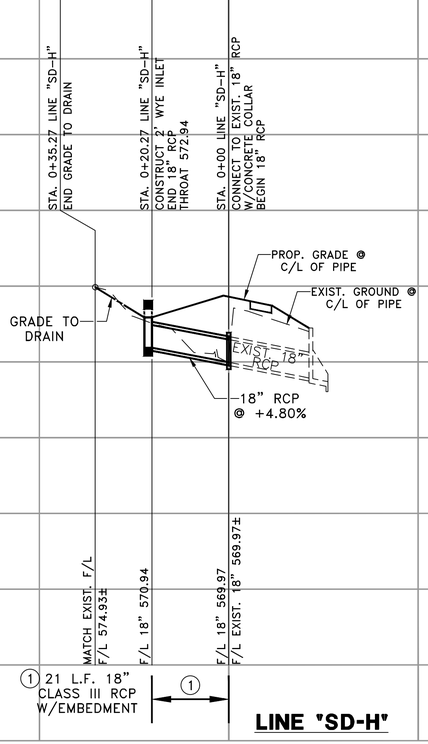

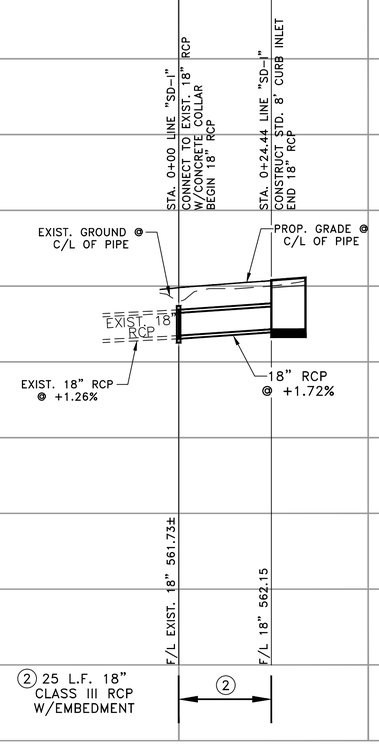

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STATE OF TEXAS
JONATHAN D. WATKINS
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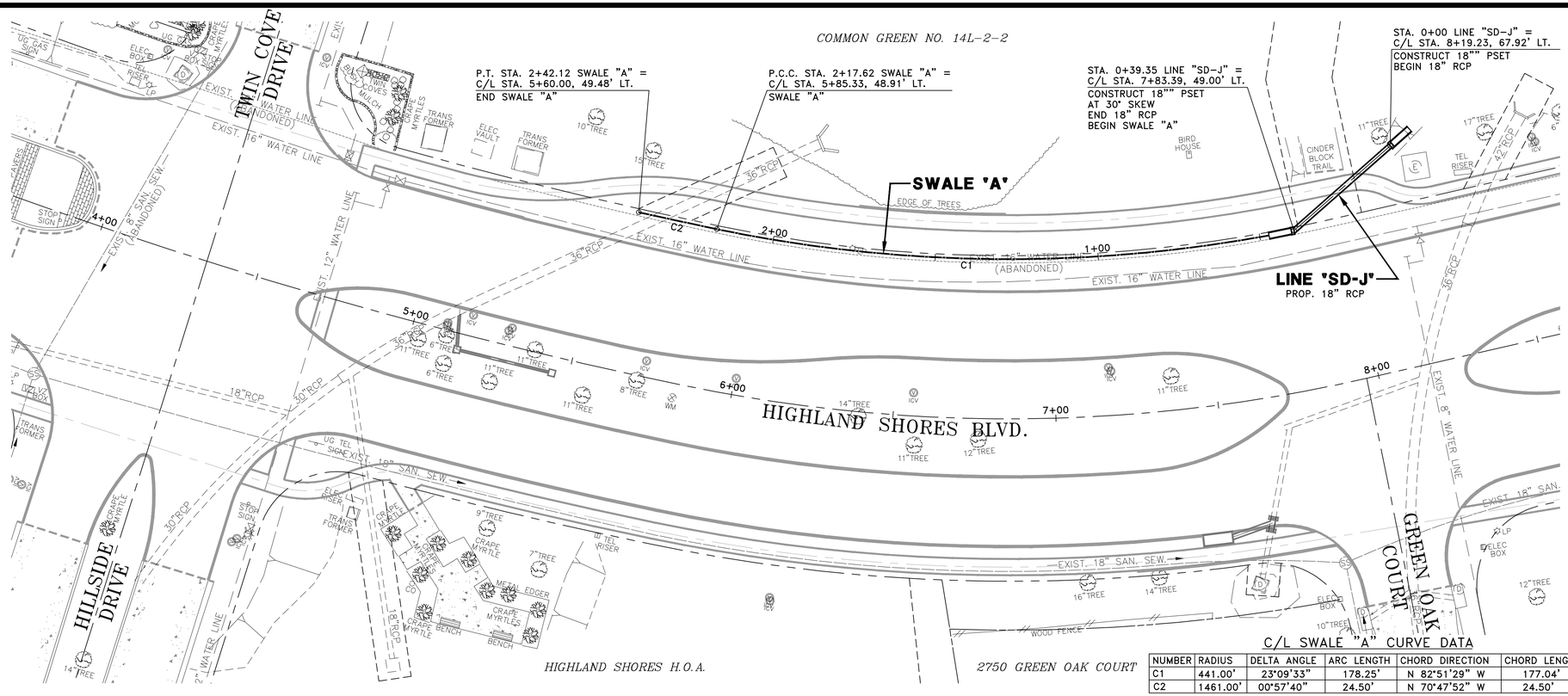
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
LINE "SD-H" AND LINE "SD-I"
CITY OF HIGHLAND VILLAGE

NO.	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 101

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-S-04



C/L SWALE "A" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	441.00'	23°09'33"	178.25'	N 82°51'29" W	177.04'
C2	1461.00'	00°57'40"	24.50'	N 70°47'52" W	24.50'

20 0 20 40
scale 1" = 20' feet

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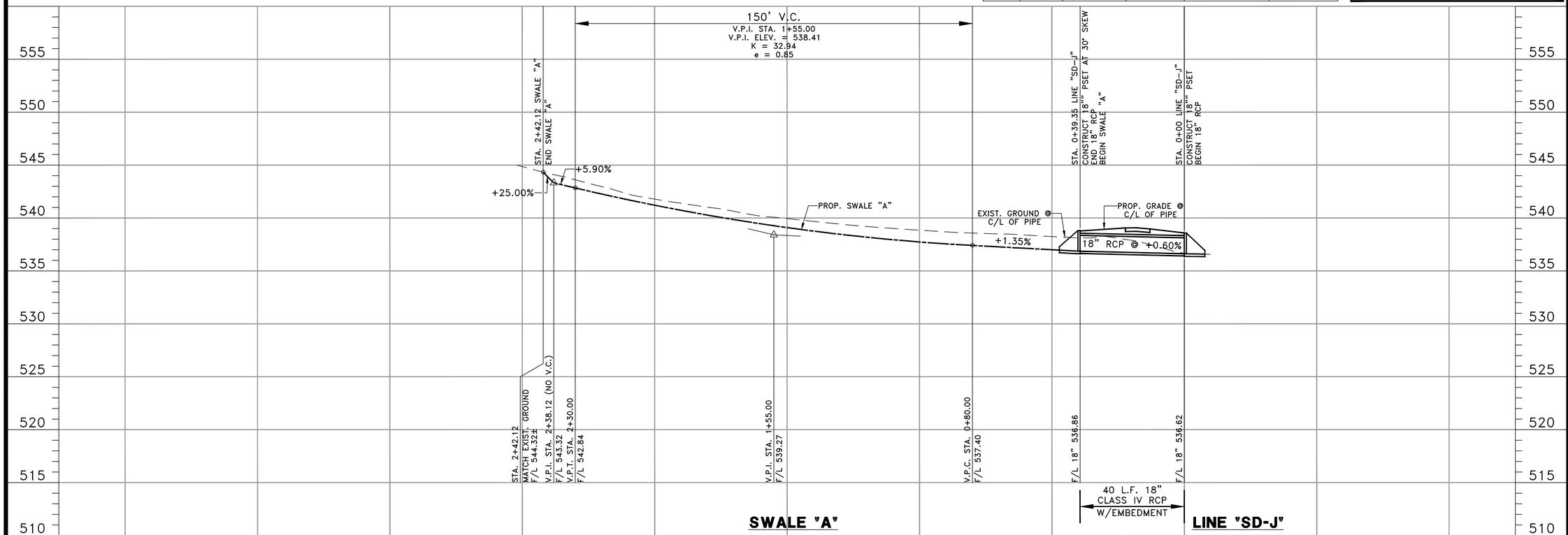

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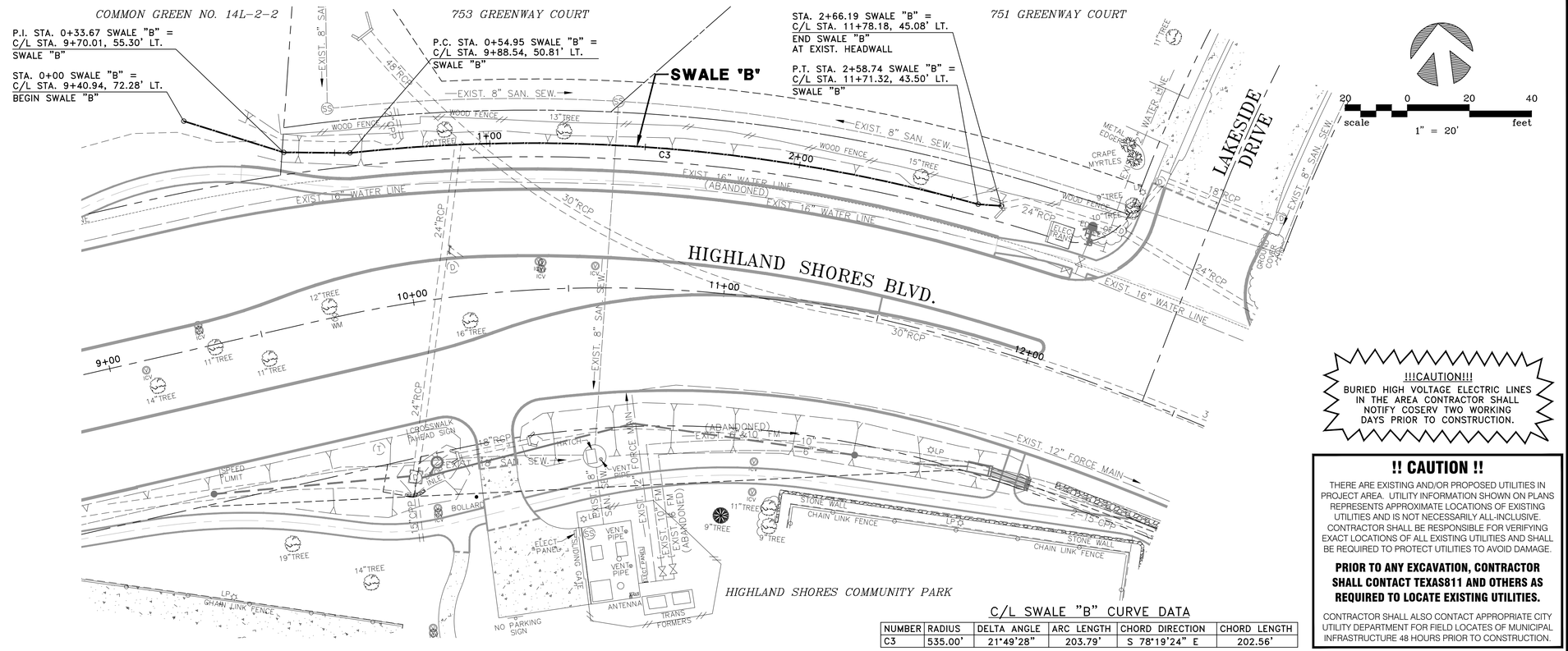
STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE SWALE "A" AND LINE "SD-J"
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 102

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-01



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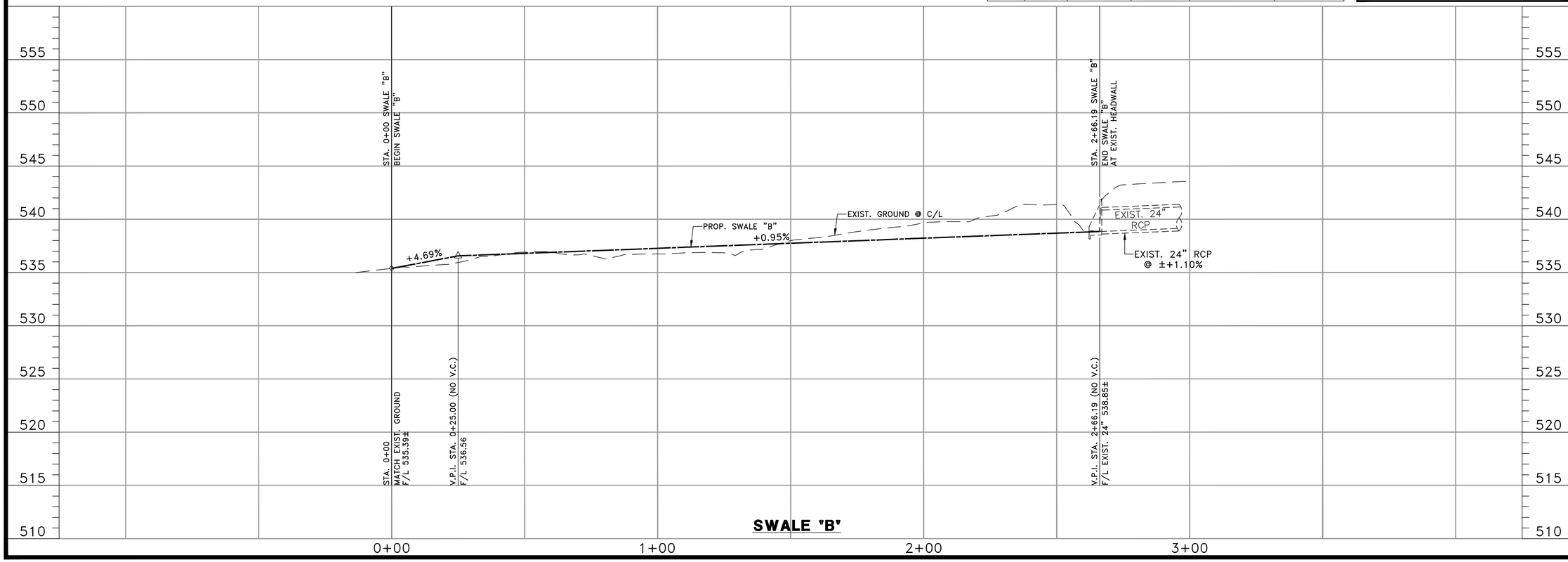
C/L SWALE "B" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C3	535.00'	21°49'28"	203.79'	S 78°19'24" E	202.56'



SWALE "B"

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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT

(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

DRAINAGE - PLAN AND PROFILE

SWALE "B"

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

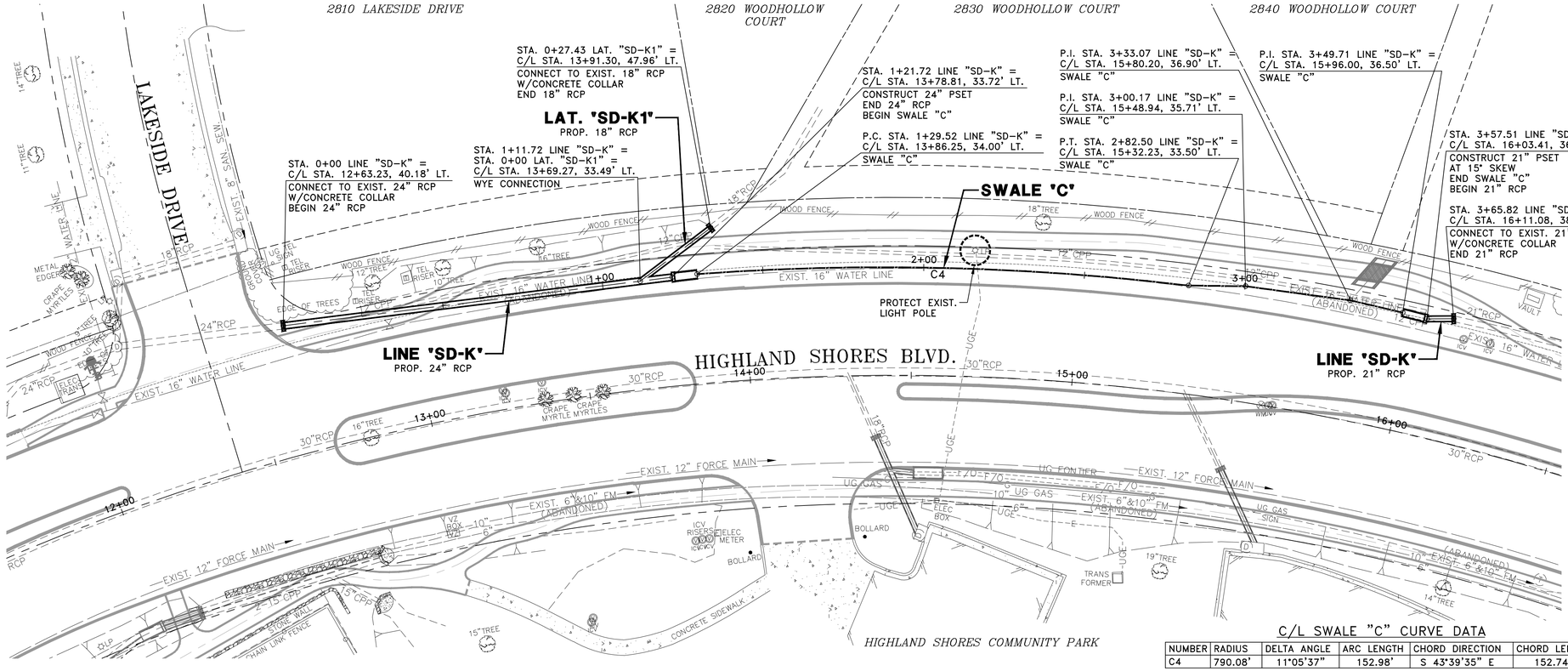
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
103

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-02



C/L SWALE "C" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C4	790.08'	11°05'37"	152.98'	S 43°39'35" E	152.74'

NOTE:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXIST. 16" WATER LINE PRIOR TO EXCAVATION.

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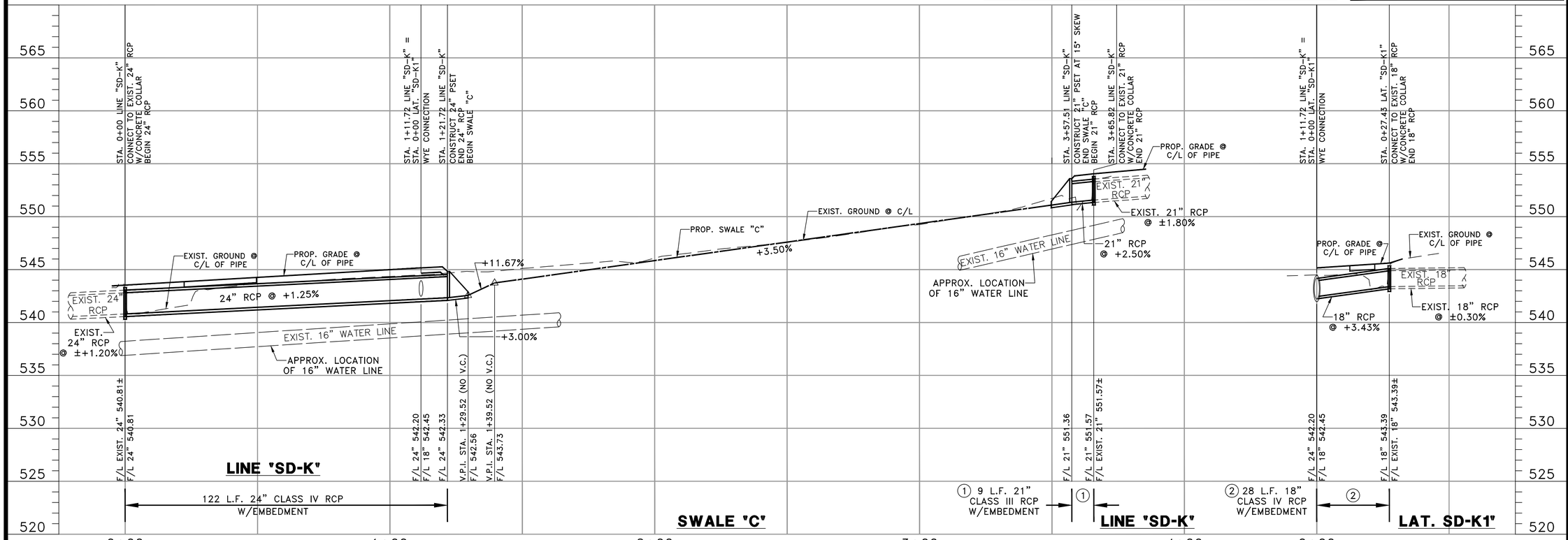

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-03

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STATE OF TEXAS
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130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
LINE "SD-K" AND SWALE "C"
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
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3			
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6			

SCALE: (H)1"=20', (V)1"=5'

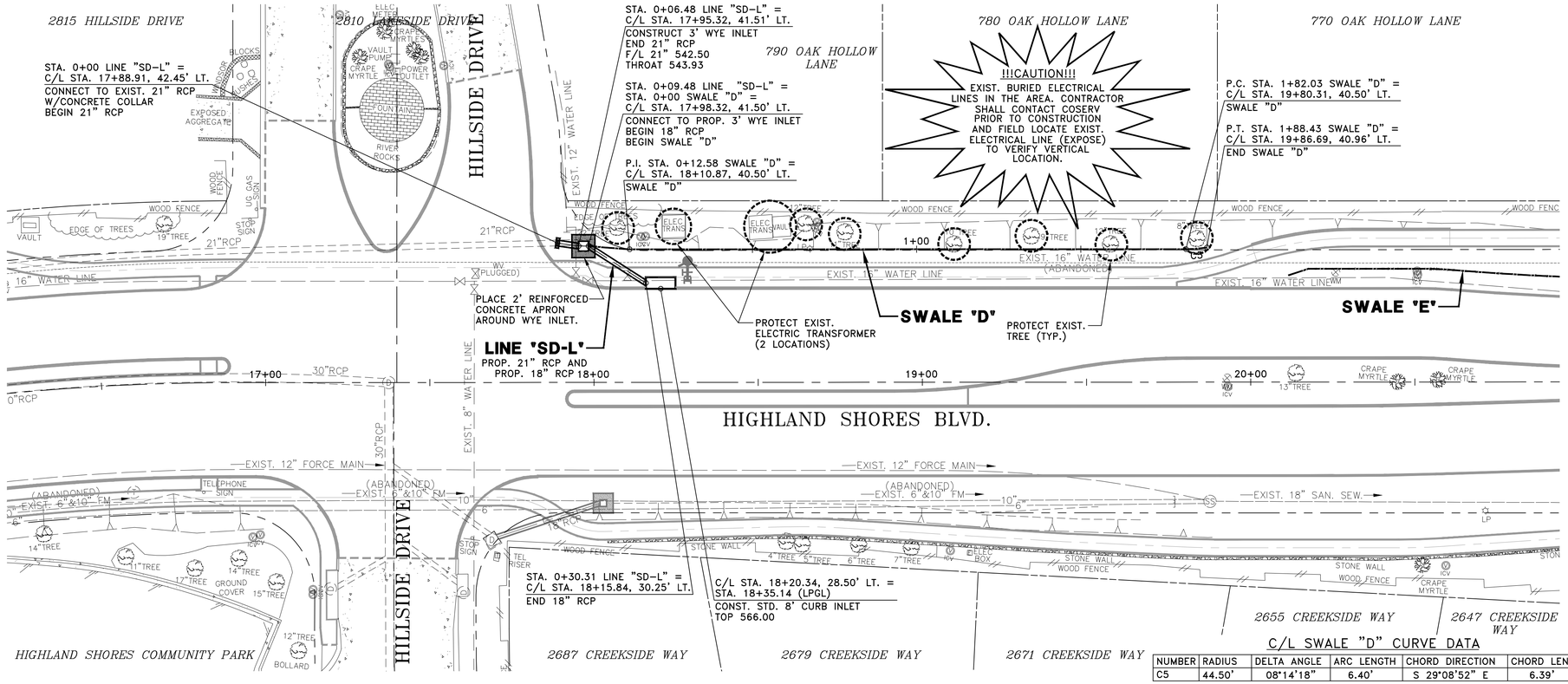
DATE: SEPTEMBER 2026

DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 104



NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXIST. 16" WATER LINE PRIOR TO EXCAVATION.
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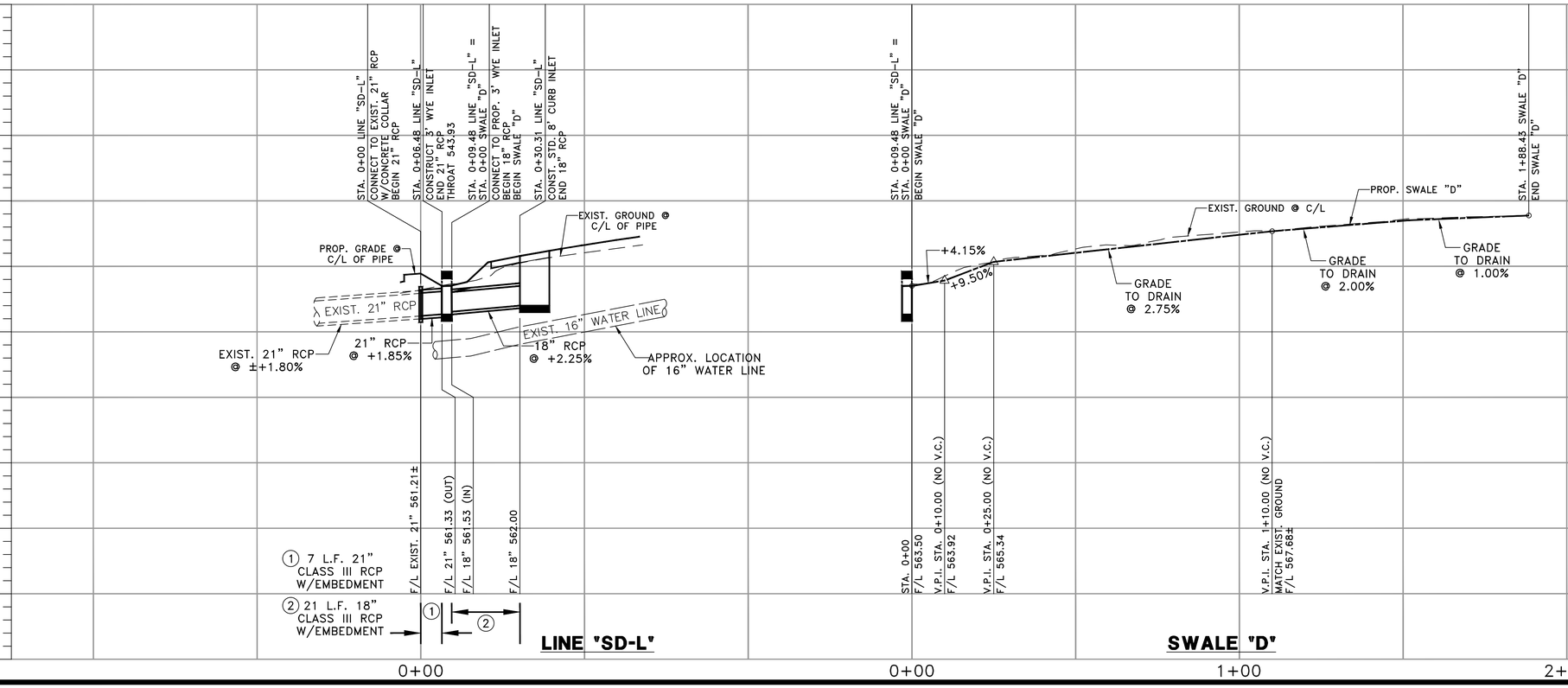

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REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
LINE "SD-L" AND SWALE "D"
CITY OF HIGHLAND VILLAGE

NO.	DATE:	REVISION:	REVIEWED:
1			
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3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 105

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-04

770 OAK HOLLOW LANE

760 OAK HOLLOW LANE

750 OAK HOLLOW LANE

740 OAK HOLLOW LANE

730 OAK HOLLOW LANE

STA. 3+63.58 SWALE "E" = C/L STA. 20+11.52, 32.50' LT.
END SWALE "E"

P.I. STA. 3+57.16 SWALE "E" = C/L STA. 20+17.61, 34.50' LT.
SWALE "E"

P.T. STA. 3+23.26 SWALE "E" = C/L STA. 20+51.51, 34.50' LT.
SWALE "E"

P.R.C. STA. 3+13.11 SWALE "E" = C/L STA. 20+61.65, 34.09' LT.
SWALE "E"

P.C. STA. 0+49.61 SWALE "E" = C/L STA. 23+31.02, 31.00' LT.
SWALE "E"

STA. 1+11.76 LINE "SD-M" = C/L STA. 23+83.63, 31.00' LT.
CONSTRUCT 3' WYE INLET
END 18" RCP
F/L 18" 552.65
THROAT 555.25

STA. 0+00 SWALE "E" = C/L STA. 23+80.63, 31.00' LT.
CONNECT TO PROP. 3' WYE INLET
BEGIN SWALE "E"

PLACE 2' REINFORCED CONCRETE APRON AROUND WYE INLET.

PROTECT EXIST. VAULT

STA. 0+00 LINE "SD-M" = C/L STA. 24+90.53, 49.78' LT.
CONSTRUCT 18" PSET
BEGIN 18" RCP

P.I. STA. 0+24.81 LINE "SD-M" = C/L STA. 24+68.70, 37.99' LT.
INSTALL 30° BEND
Δ = 28°25'03" RT.

P.I. STA. 0+97.70 LINE "SD-M" = C/L STA. 23+95.81, 38.02' LT.
INSTALL 30° BEND

SWALE 'E'

LINE 'SD-M'
PROP. 18" RCP

PROTECT EXIST. WATER METER

PLACE 4 S.Y. OF 12" COMMON STONE GROUTED RIP RAP. (SEE NOTES THIS SHEET)

EXIST. 16" WATER LINE

EXIST. 16" WATER LINE (ABANDONED)

EXIST. 18" SAN. SEW.

WOOD FENCE

STONE WALL

GROUND COVER

CRAPE MYRTLE

8"TREE

11"TREE

12"TREE

13"TREE

14"TREE

15"TREE

19"TREE

20"TREE

ELEC

ICV

LP

SS

C6

C7

20+00

21+00

22+00

23+00

24+00

25+00

1+00

2+00

3+00

HIGHLAND SHORES BLVD.

2663 CREEKSIDE WAY

2617 CREEKSIDE WAY

2623 CREEKSIDE WAY

scale 1" = 20' feet

20 0 20 40

NOTES:

1. COMMON STONE GROUTED RIP RAP SHALL CONFORM TO CHANNEL SLOPES AND SHALL BE GRADED SO NO WATER PONDS.
2. COMMON STONE GROUTED RIP RAP SHALL INCLUDE AN 12" WIDE x 30" DEEP TOEWALL AT ALL EDGES OF THE RIP RAP AREA. TOEWALL MAY BE ELIMINATED WHEN ROCK IS ENCOUNTERED.
3. COMMON STONE GROUTED RIP RAP SHALL CONFORM TO TXDOT ITEM 432 AND SHALL BE 12" THICK. RIP RAP SHOULD INCLUDE FILTER FABRIC THAT CONFORMS TO TXDOT DMS-6200, TYPE 2.
4. FILTER FABRIC SHALL BE PLACED UNDER ALL AREAS OF THE RIP RAP PRIOR TO ROCK PLACEMENT. FILTER FABRIC SHALL BE MIRAFI-150N, OR APPROVED EQUAL, AND THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR COMMON STONE RIP RAP.
5. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

C/L SWALE "E" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C6	969.00'	15°34'49"	263.50'	N 28°14'19" W	262.69'
C7	127.00'	04°34'49"	10.15'	N 22°44'19" W	10.15'

!! CAUTION !!

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PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.

100' V.C.
V.P.I. STA. 1+05.00
V.P.I. ELEV. = 558.10
K = 42.60
e = 0.29

+5.90%
+1.85%
+5.39%
+3.05%
+2.35%

PROP. SWALE "E"
EXIST. GROUND @ C/L

STA. 3+63.58 SWALE "E" END SWALE "E"
MATCH EXIST. GROUND F/L 568.60±
V.P.I. STA. 3+38.27 (NO V.C.) F/L 567.13
STA. 2+38.00 MATCH EXIST. GROUND F/L 565.27±
V.P.T. STA. 1+55.00 MATCH EXIST. GROUND F/L 560.80±
V.P.I. STA. 1+05.00 F/L 558.39
V.P.C. STA. 0+55.00 F/L 556.58
V.P.I. STA. 0+50.00 (NO V.C.) F/L 556.42
STA. 0+00 SWALE "E" CONNECT TO PROP. 3' WYE INLET BEGIN SWALE "E" F/L 555.25
STA. 1+11.76 LINE "SD-M" CONSTRUCT 3' WYE INLET END 18" RCP THROAT 555.25 F/L 18" 552.65
V.P.I. STA. 0+25.00 LINE "SD-M" GRADE BREAK F/L 18" 551.84
STA. 0+00 LINE "SD-M" CONSTRUCT 18" PSET BEGIN 18" RCP F/L 18" 551.74

PROP. GRADE @ C/L OF PIPE
EXIST. GROUND @ C/L OF PIPE
18" RCP @ +0.85%
18" RCP @ +0.60%

SWALE "E"

LINE "SD-M"

112 L.F. 18" CLASS III RCP W/EMBEDMENT

575 570 565 560 555 550 545 540 535 530

3+00 2+00 1+00 0+00 1+00 0+00

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
SWALE "E" AND LINE "SD-M"
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

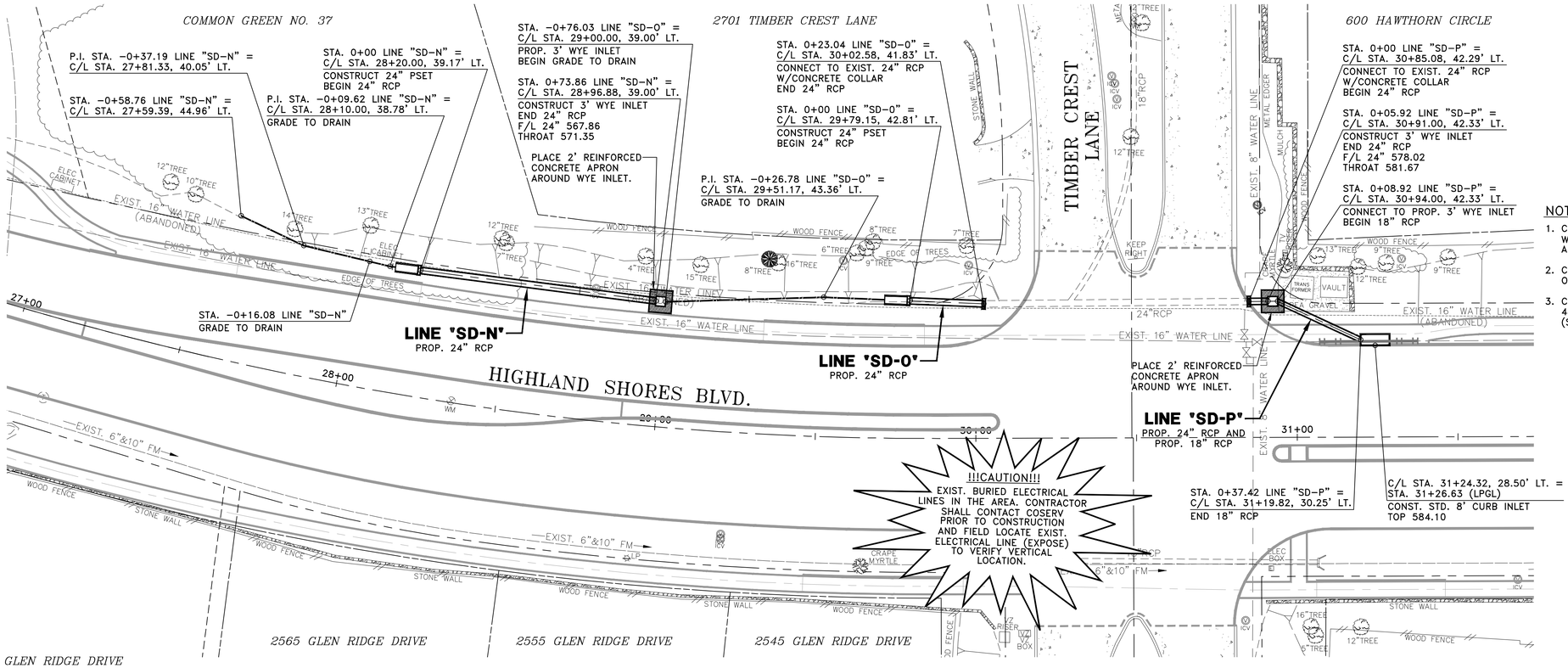
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 106

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-05



NOTES:

1. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.
2. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF 16" WATER LINE PRIOR TO EXCAVATION.
3. CONTRACTOR SHALL COORDINATE WITH THE CITY 48 HOURS PRIOR FOR WATER LINE LOWERING. (SEE DETAIL SHEET)

!! CAUTION !!

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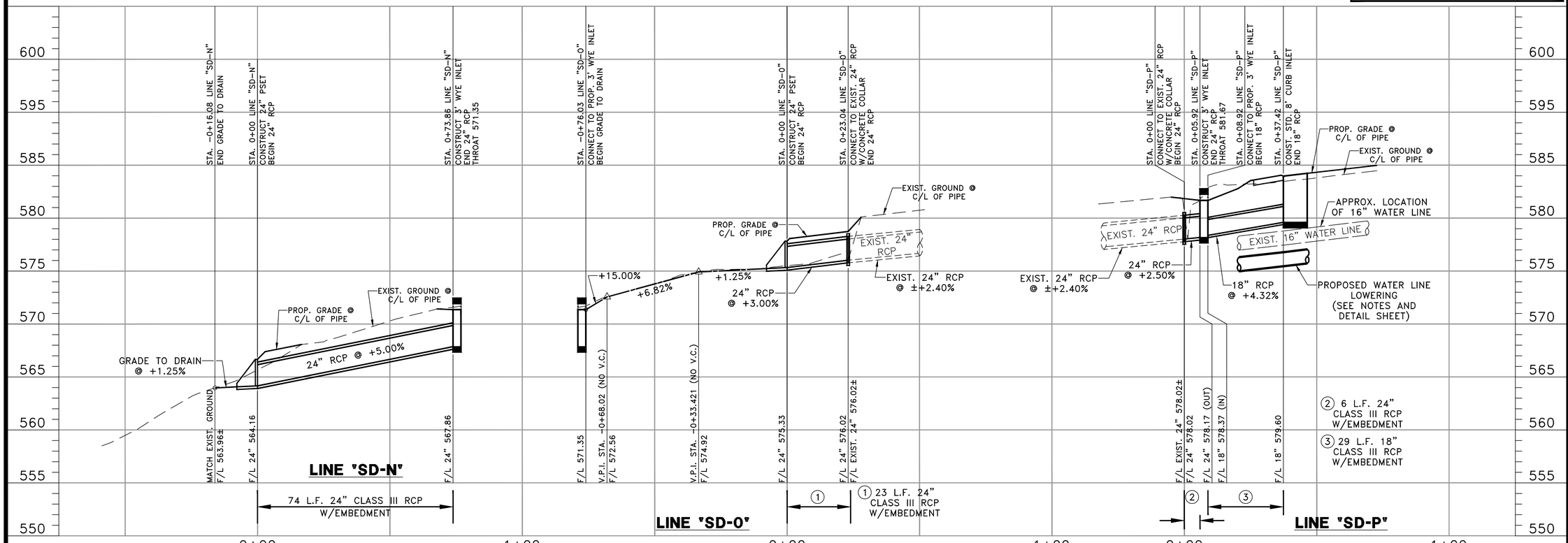
PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT TEXAS811 AND OTHERS AS REQUIRED TO LOCATE EXISTING UTILITIES.

CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.



SCHAUMBURG & POLK, INC.
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE LINE "SD-N", LINE "SD-O", AND LINE "SD-P"
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
1			
2			
3			
4			
5			
6			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

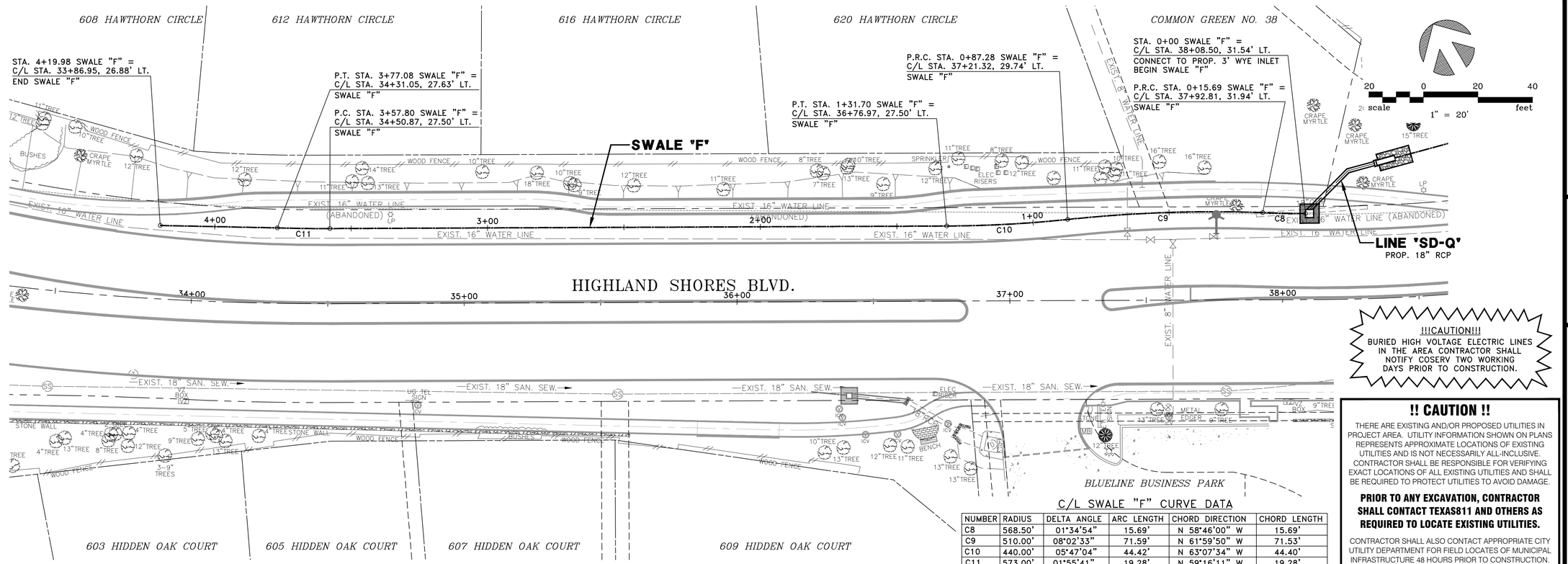
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 107

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-06



C/L SWALE "F" CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C8	568.50'	01°34'54"	15.69'	N 58°46'00" W	15.69'
C9	510.00'	08°02'33"	71.59'	N 61°59'50" W	71.53'
C10	440.00'	05°47'04"	44.42'	N 63°07'34" W	44.40'
C11	573.00'	01°55'41"	19.28'	N 59°16'11" W	19.28'

!!!CAUTION!!!
BURIED HIGH VOLTAGE ELECTRIC LINES IN THE AREA CONTRACTOR SHALL NOTIFY COSERV TWO WORKING DAYS PRIOR TO CONSTRUCTION.

!! CAUTION !!

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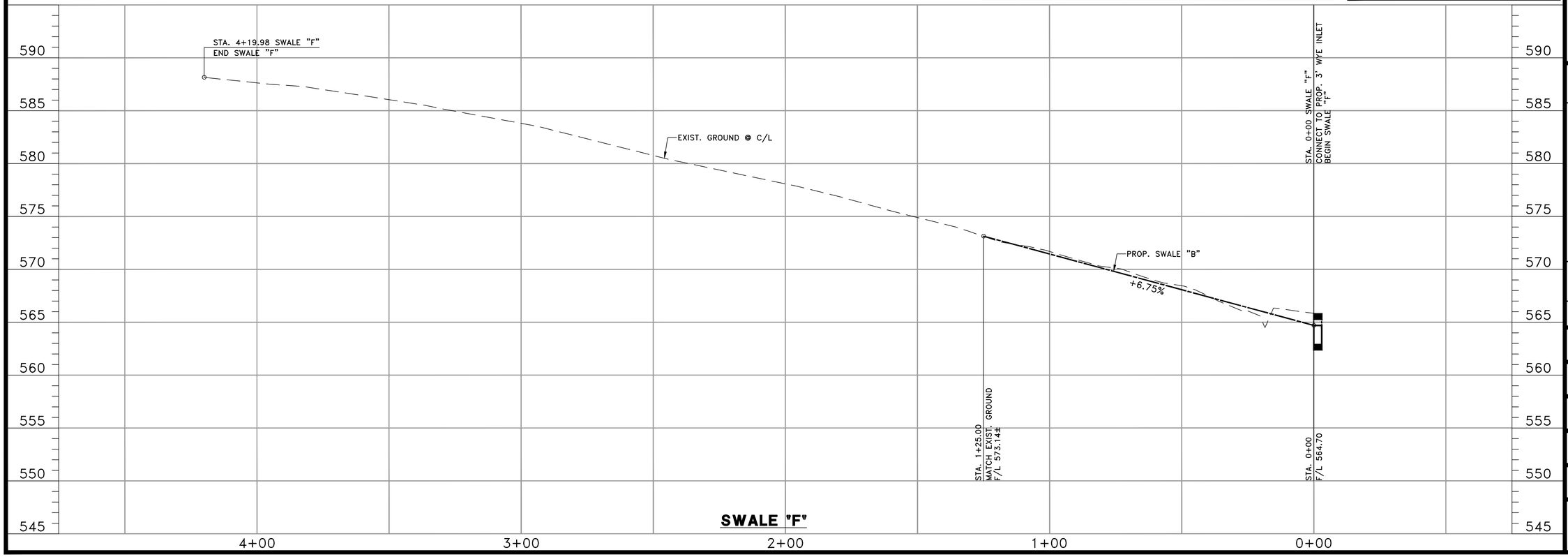
CONTRACTOR SHALL ALSO CONTACT APPROPRIATE CITY UTILITY DEPARTMENT FOR FIELD LOCATES OF MUNICIPAL INFRASTRUCTURE 48 HOURS PRIOR TO CONSTRUCTION.



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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
SWALE "F"

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

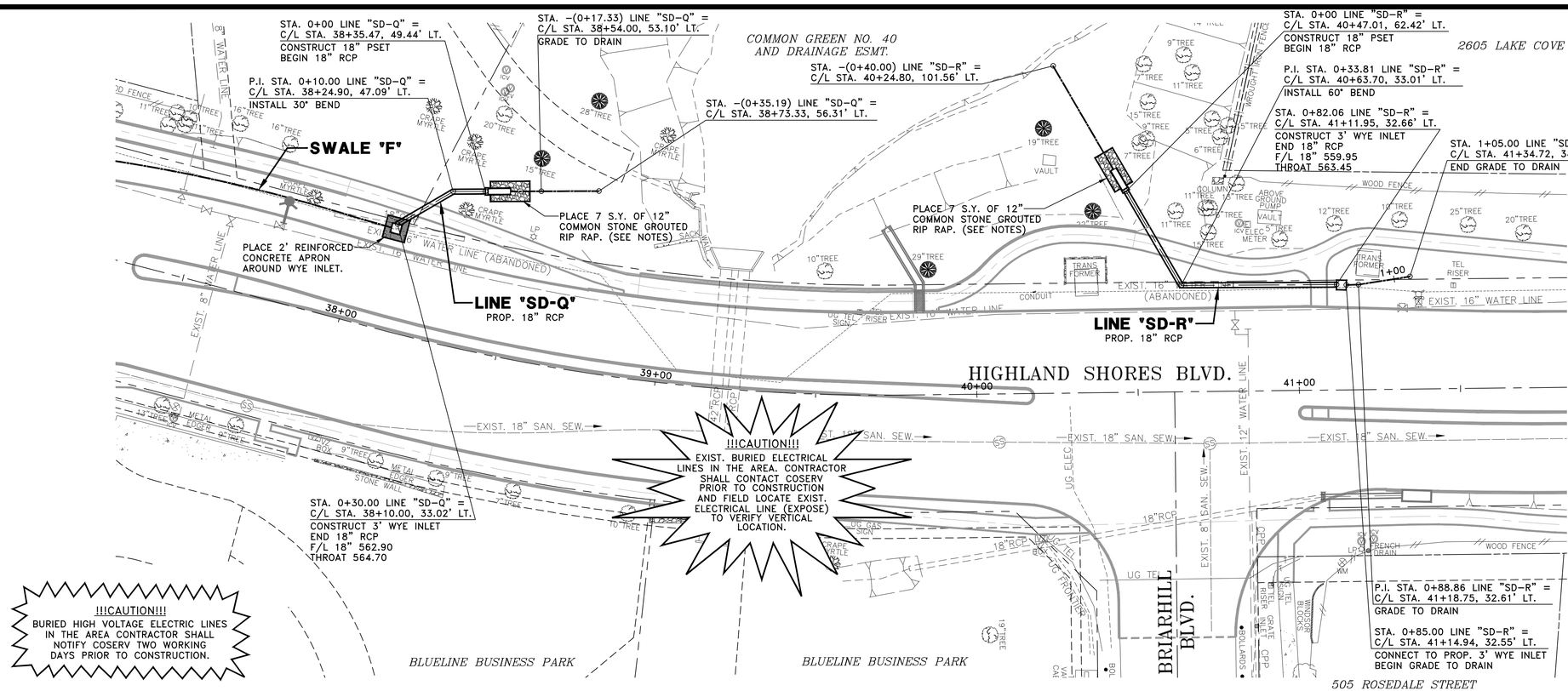
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 108

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-07



NOTES:

1. COMMON STONE GROUTED RIP RAP SHALL CONFORM TO CHANNEL SLOPES AND SHALL BE GRADED SO NO WATER PONDS.
2. COMMON STONE GROUTED RIP RAP SHALL INCLUDE AN 12" WIDE x 30" DEEP TOEWALL AT ALL EDGES OF THE RIP RAP AREA. TOEWALL MAY BE ELIMINATED WHEN ROCK IS ENCOUNTERED.
3. COMMON STONE GROUTED RIP RAP SHALL CONFORM TO TXDOT ITEM 432 AND SHALL BE 12" THICK. RIP RAP SHOULD INCLUDE FILTER FABRIC THAT CONFORMS TO TXDOT DMS-6200, TYPE 2.
4. FILTER FABRIC SHALL BE PLACED UNDER ALL AREAS OF THE RIP RAP PRIOR TO ROCK PLACEMENT. FILTER FABRIC SHALL BE MIRAFI-150N, OR APPROVED EQUAL, AND THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR COMMON STONE RIP RAP.
5. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.

!! CAUTION !!

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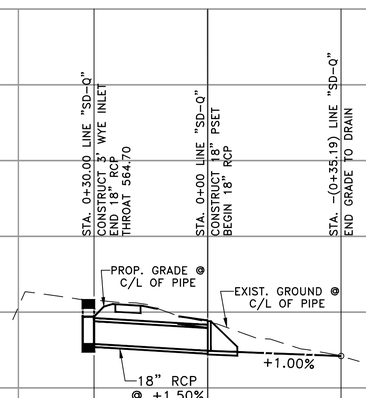

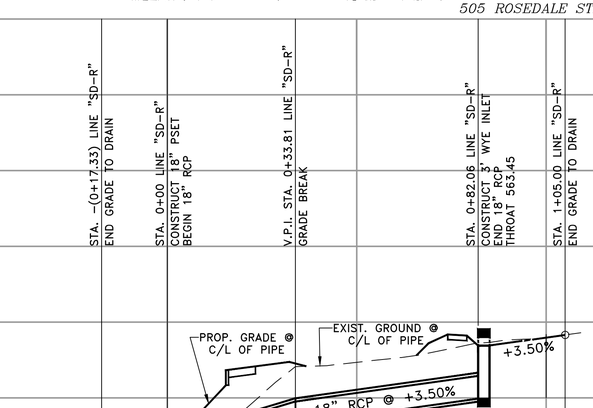

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(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE LINE "SD-Q" AND LINE "SD-R"
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
6			
5			
4			
3			
2			
1			

SCALE: (H)1"=20', (V)1"=5'

DATE: SEPTEMBER 2026

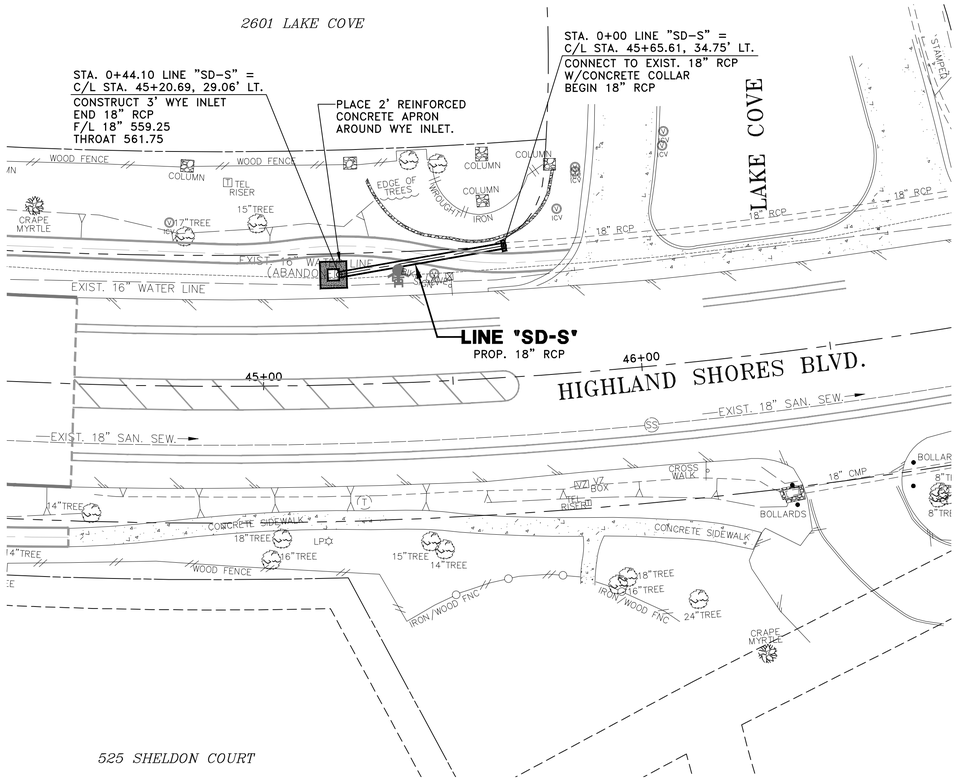
DRAWN BY: SPI

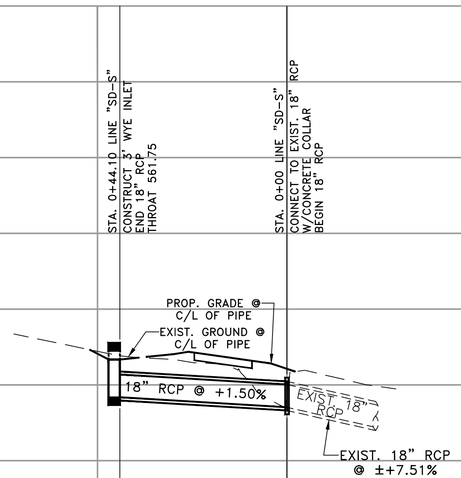
REVIEWED BY: JDW

PROJECT NO: 23-2132

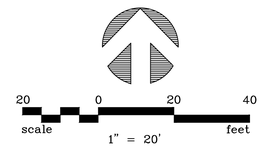
SHEET NO: 109

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-08





LINE "SD-S"



NOTES:

1. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.

!!!CAUTION!!!
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SCHAUMBURG & POLK, INC.
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
DRAINAGE - PLAN AND PROFILE
LINE "SD-S"

NO.:	DATE:	REVISION:	REVIEWED:
1			
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6			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

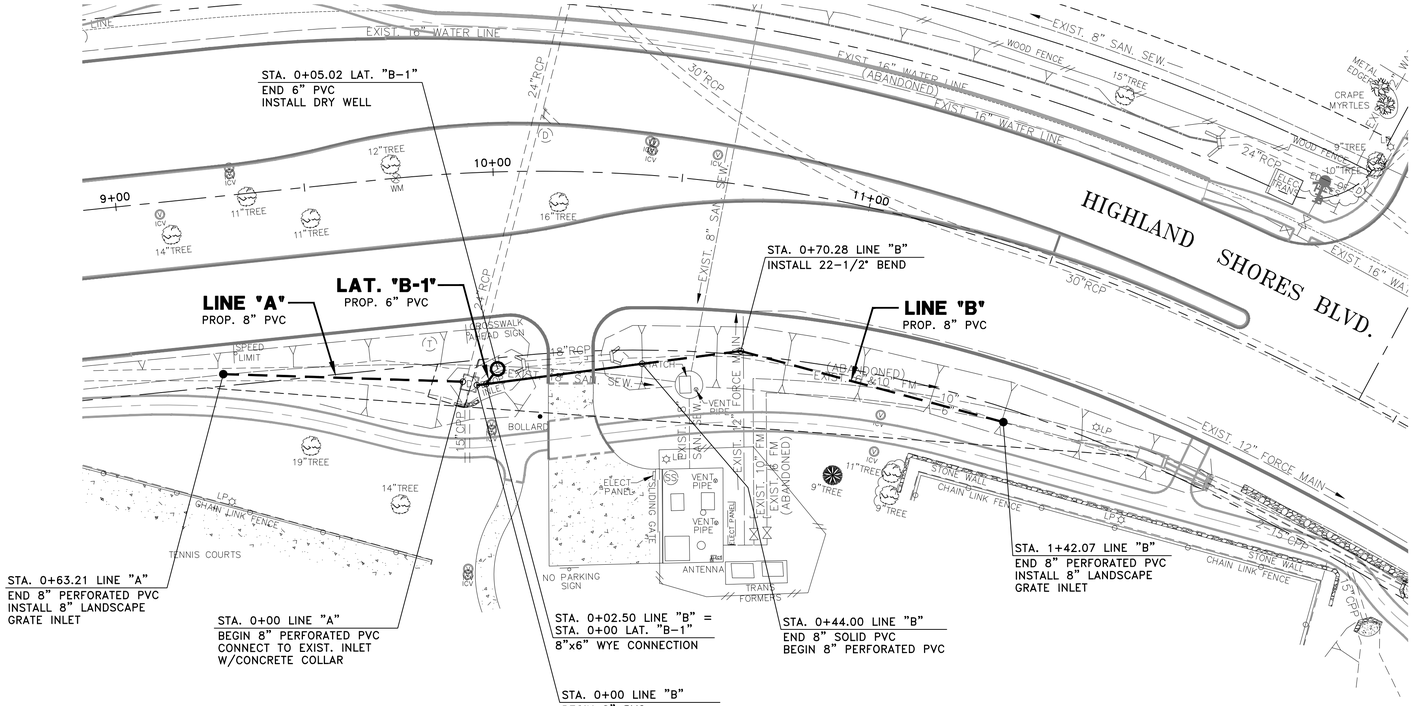
DRAWN BY:
SPI

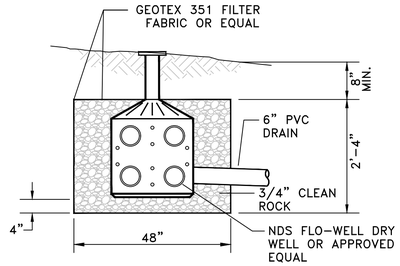
REVIEWED BY:
JDW

PROJECT NO:
23-2132

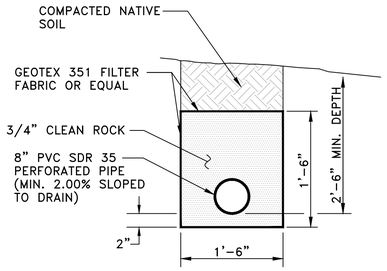
SHEET NO:
110

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132PP-DRAIN-N-09

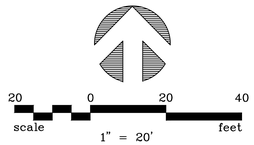




DRY WELL
NOT TO SCALE



TYPICAL FRENCH DRAIN
NOT TO SCALE



NOTES:

1. CONCRETE APRON SHALL BE 4" THICK 3,000 PSI WITH NO. 3 BARS AT 18" O.C.E.W. APRON SHALL HAVE A MINIMUM SLOPE OF 8:1.
2. 8" PERFORATED PIPE SHALL BE SDR 35.
3. 8" SOLID PIPE SHALL BE SDR 35 AND CONFORM TO ASTM 3034.
4. DRY WELL SHALL INCLUDE TOP, SIDES, BOTTOM AND SURFACE DRAIN WITH GRATE. DRY WELL SHALL BE NDS FLO-WELL OR AN APPROVED EQUAL.
5. FILTER FABRIC SHALL BE GEOTEX 351 BY PROPEX OR AN APPROVED EQUAL.

!!!CAUTION!!!
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!! CAUTION !!

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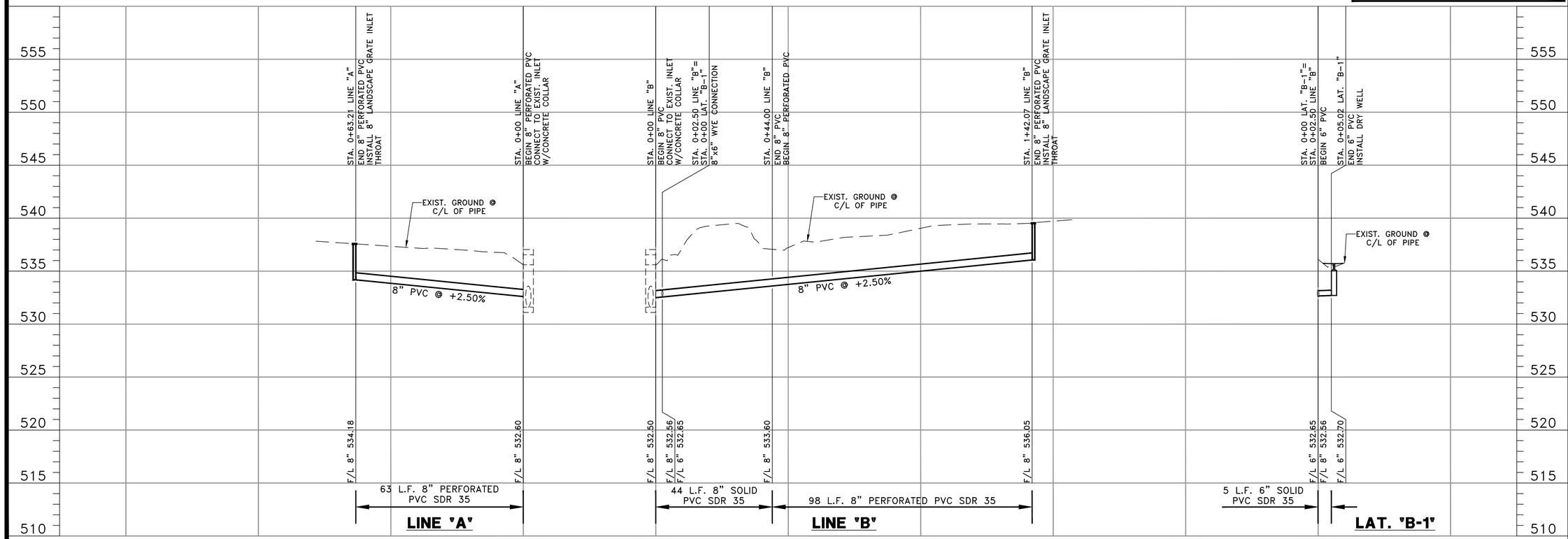

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
UNDERDRAIN - PLAN AND PROFILE
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			

SCALE:
(H)1"=20', (V)1"=5'

DATE:
SEPTEMBER 2026

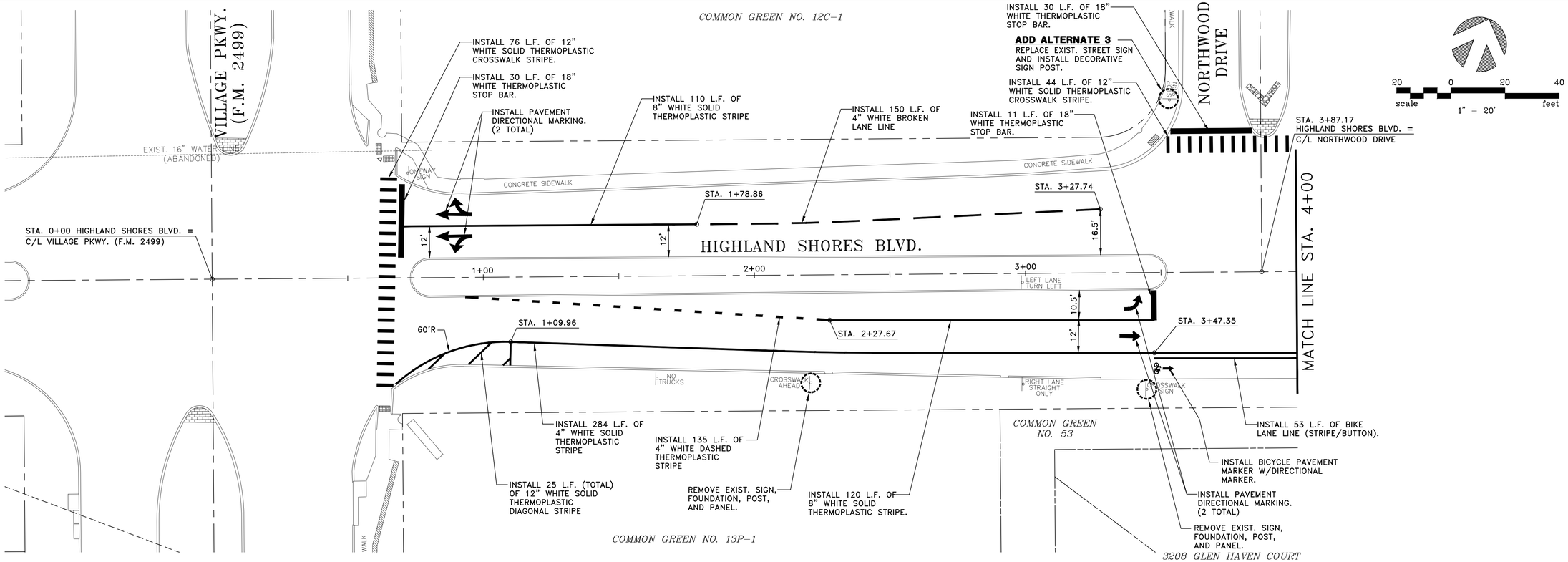
DRAWN BY:
SPI

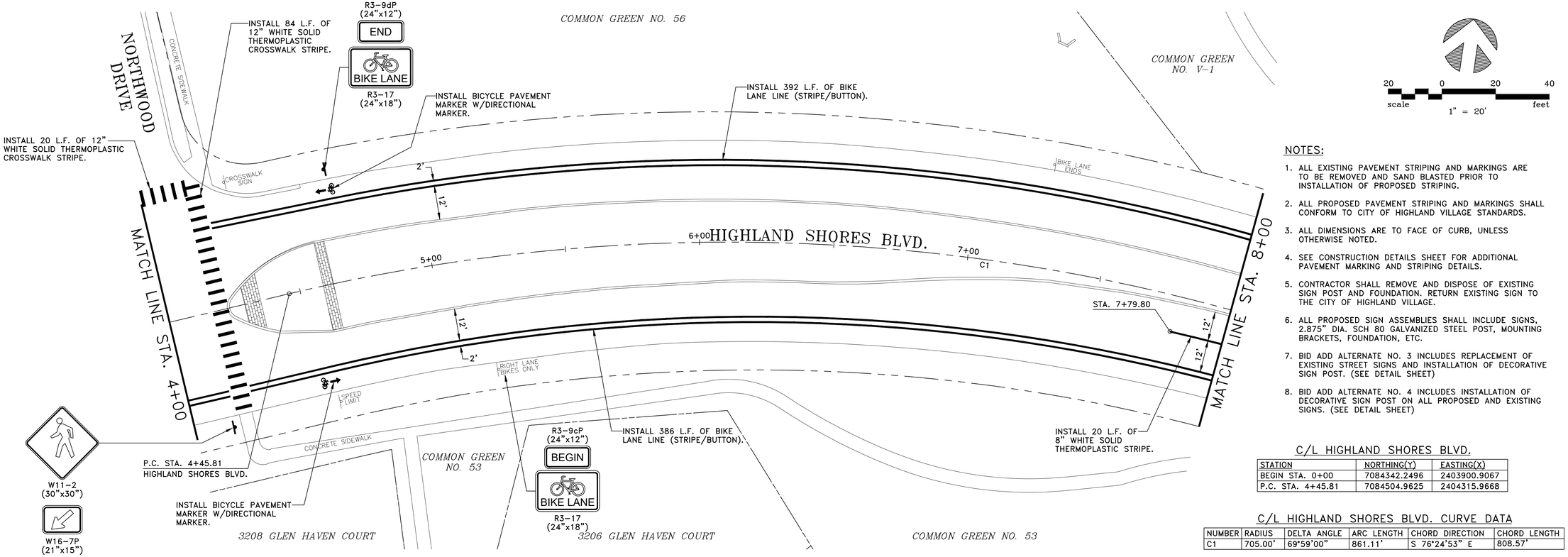
REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
111

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132UNDERDRAIN





NOTES:

1. ALL EXISTING PAVEMENT STRIPING AND MARKINGS ARE TO BE REMOVED AND SAND BLASTED PRIOR TO INSTALLATION OF PROPOSED STRIPING.
2. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
3. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
4. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.
6. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
7. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
8. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)

C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
BEGIN STA. 0+00	7084342.2496	2403900.9067
P.C. STA. 4+45.81	7084504.9625	2404315.9668

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	705.00'	69°59'00"	861.11'	S 76°24'53" E	808.57'

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN (WEST)
STA. 0+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.	DATE:	REVISION:	REVIEWED
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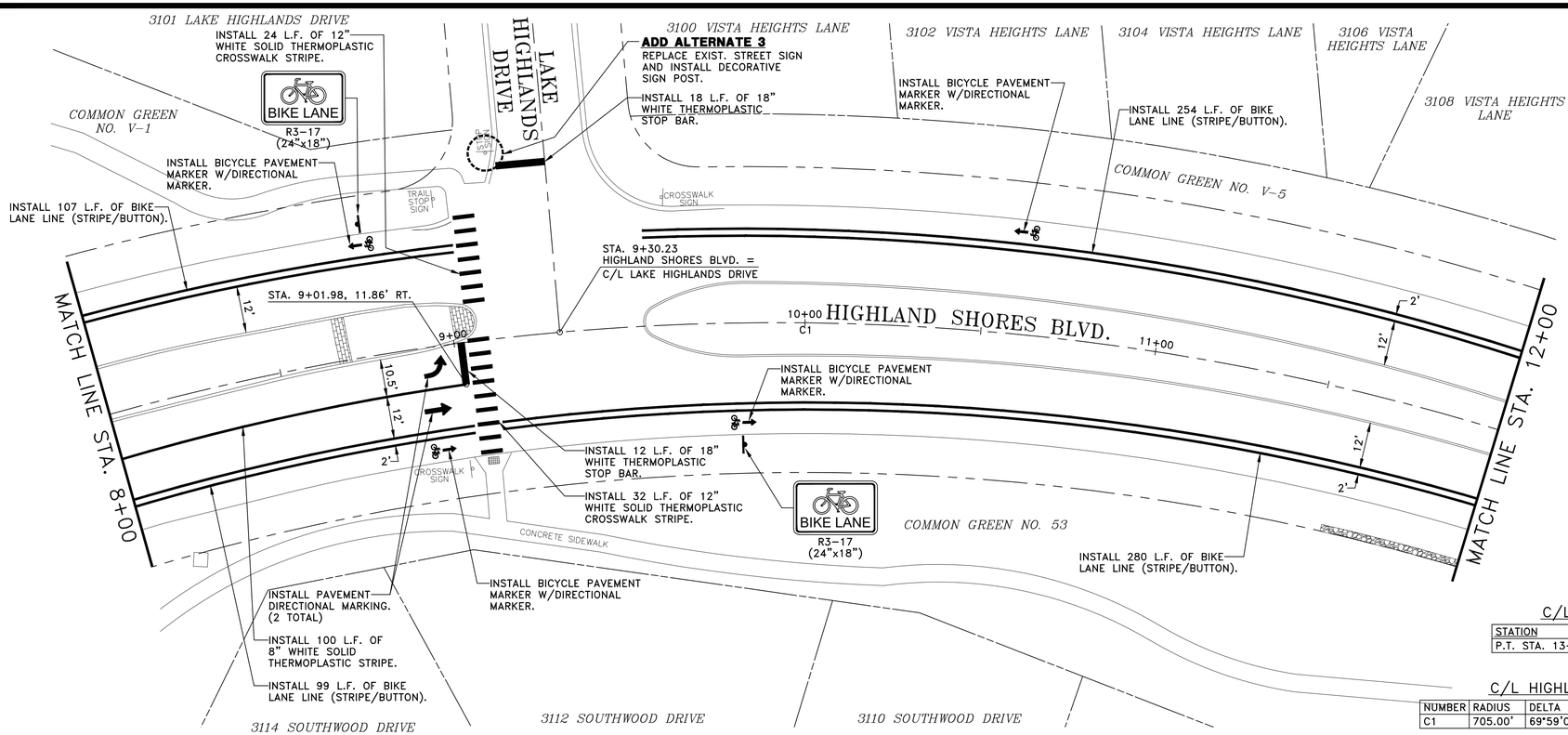
SCALE: 1" = 20'
DATE: FEBRUARY 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 112

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-W-01

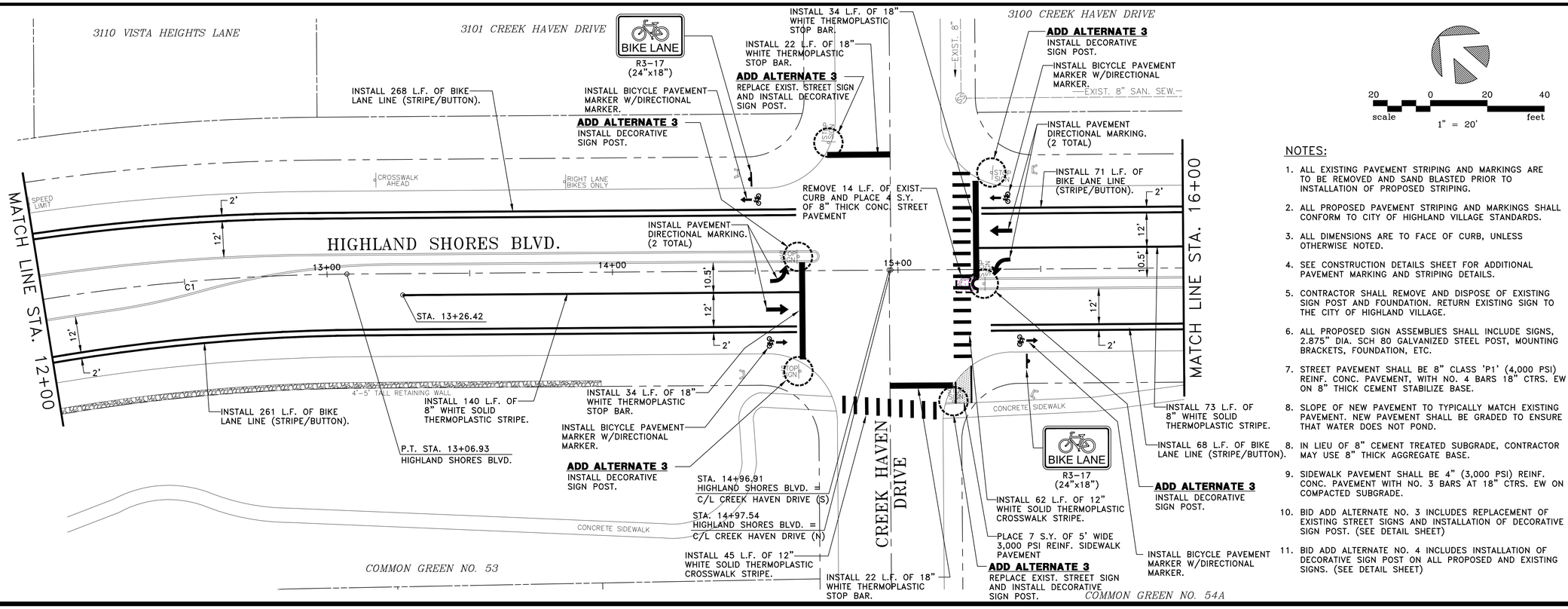


C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.T. STA. 13+06.93	7084315.0340	2405101.9176

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	705.00'	69°59'00"	861.11'	S 76°24'53" E	808.57'



NOTES:

1. ALL EXISTING PAVEMENT STRIPING AND MARKINGS ARE TO BE REMOVED AND SAND BLASTED PRIOR TO INSTALLATION OF PROPOSED STRIPING.
2. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
3. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
4. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.
6. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
7. STREET PAVEMENT SHALL BE 8" CLASS 'P1' (4,000 PSI) REINF. CONC. PAVEMENT, WITH NO. 4 BARS 18" CTRS. EW ON 8" THICK CEMENT STABILIZE BASE.
8. SLOPE OF NEW PAVEMENT TO TYPICALLY MATCH EXISTING PAVEMENT. NEW PAVEMENT SHALL BE GRADED TO ENSURE THAT WATER DOES NOT POND.
8. IN LIEU OF 8" CEMENT TREATED SUBGRADE, CONTRACTOR MAY USE 8" THICK AGGREGATE BASE.
9. SIDEWALK PAVEMENT SHALL BE 4" (3,000 PSI) REINF. CONC. PAVEMENT WITH NO. 3 BARS AT 18" CTRS. EW ON COMPACTED SUBGRADE.
10. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
11. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN (WEST)
STA. 8+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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7			

SCALE: 1" = 20'

DATE: SEPTEMBER 2026

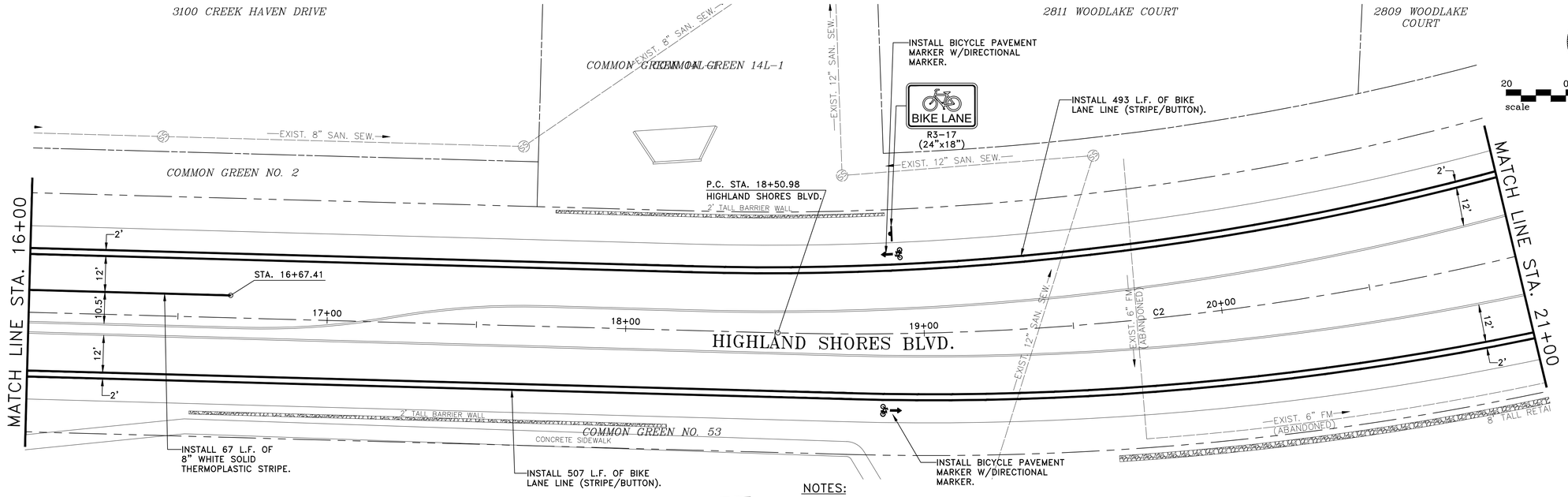
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

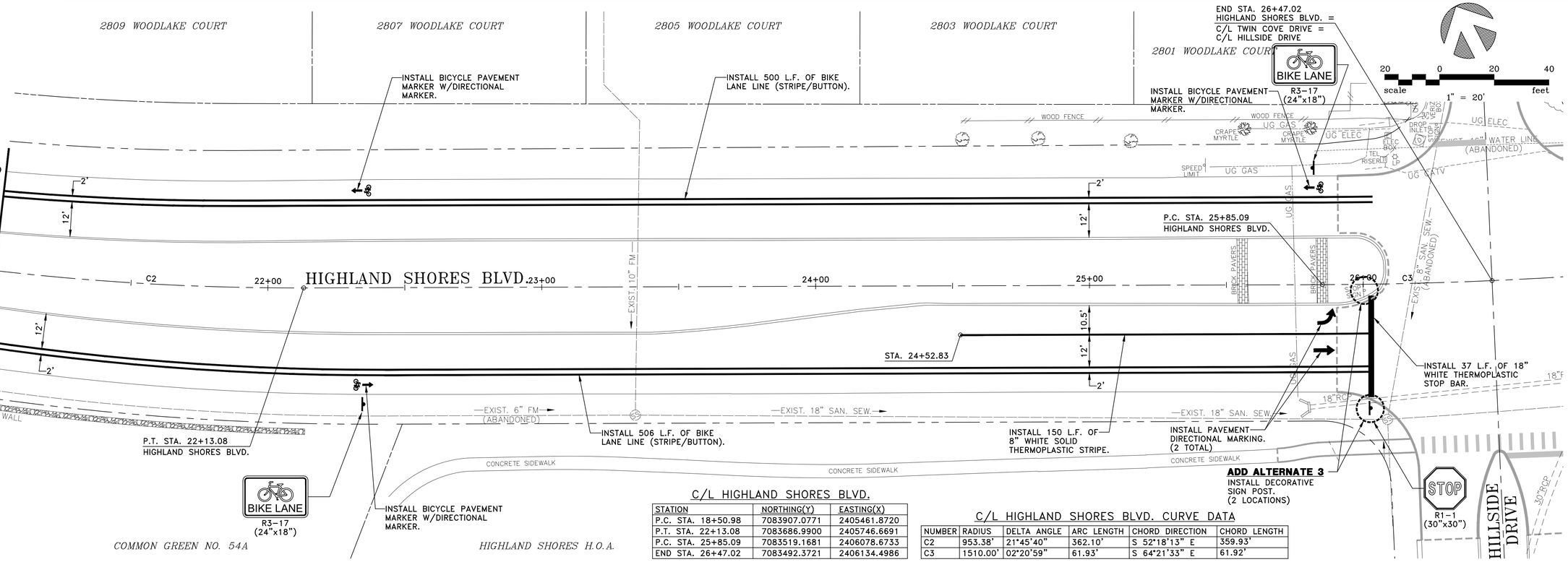
SHEET NO: 113

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-W-02



NOTES:

1. ALL EXISTING PAVEMENT STRIPING AND MARKINGS ARE TO BE REMOVED AND SAND BLASTED PRIOR TO INSTALLATION OF PROPOSED STRIPING.
2. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
3. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
4. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION. RETURN EXISTING SIGN TO THE CITY OF HIGHLAND VILLAGE.
6. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
7. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
8. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)



C/L HIGHLAND SHORES BLVD.

STATION	NORTHING(Y)	EASTING(X)
P.C. STA. 18+50.98	7083907.0771	2405461.8720
P.T. STA. 22+13.08	7083686.9900	2405746.6691
P.C. STA. 25+85.09	7083519.1681	2406078.6733
END STA. 26+47.02	7083492.3721	2406134.4986

C/L HIGHLAND SHORES BLVD. CURVE DATA

NUMBER	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C2	953.38'	21°45'40"	362.10'	S 52°18'13" E	359.93'
C3	1510.00'	02°20'59"	61.93'	S 64°21'33" E	61.92'

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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN (WEST)
STA. 16+00 TO STA. 26+47.02
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

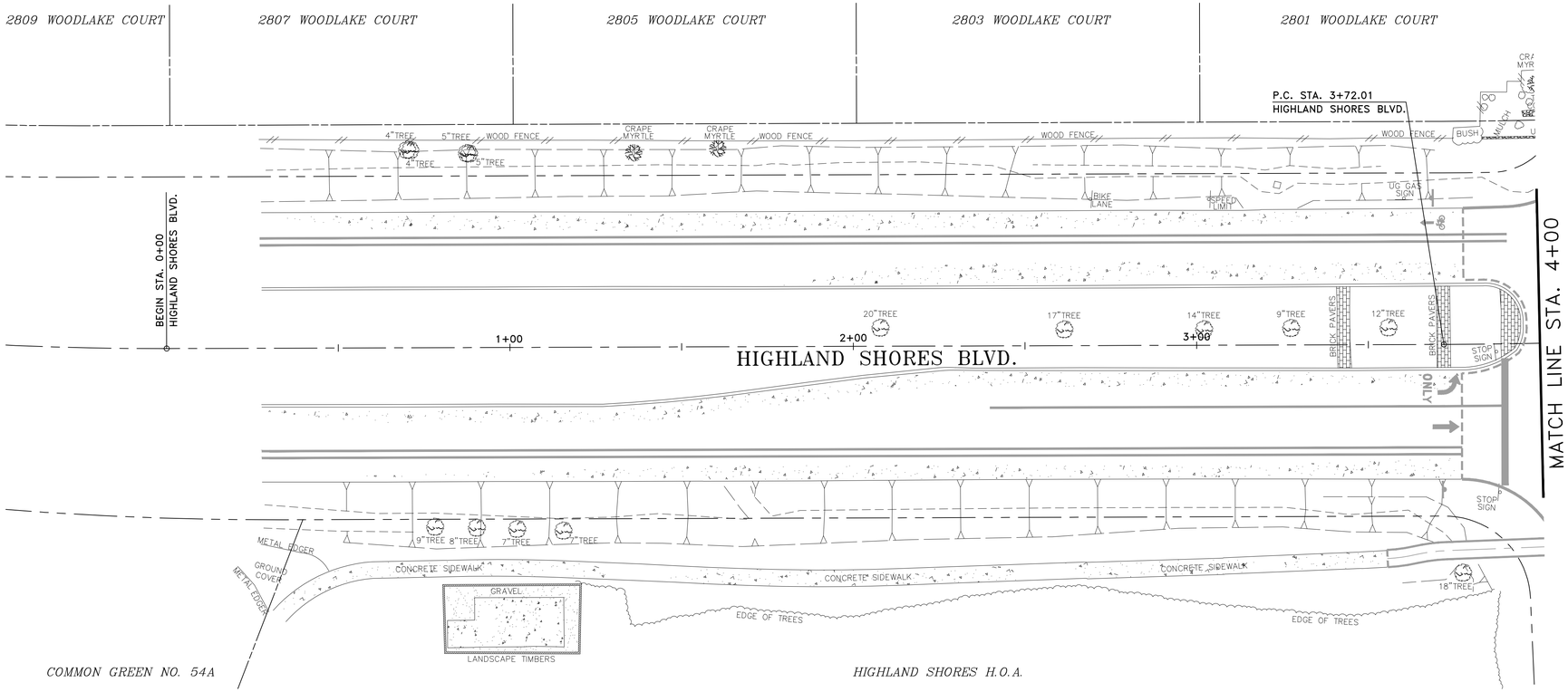
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 114

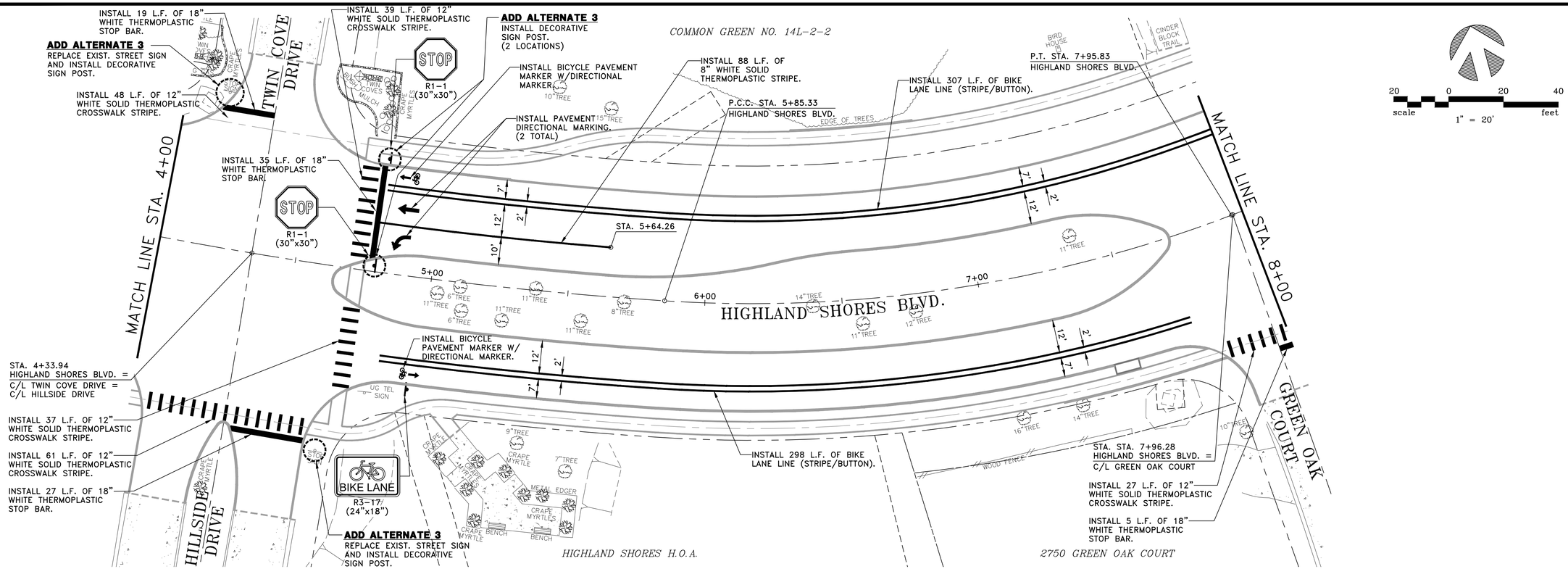
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-W-03



20 0 20 40
scale
1" = 20'

NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
4. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
5. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
6. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)



20 0 20 40
scale
1" = 20'

SPI
SCHAUMBURG & POLK, INC.
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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED
PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 0+00 TO STA. 8+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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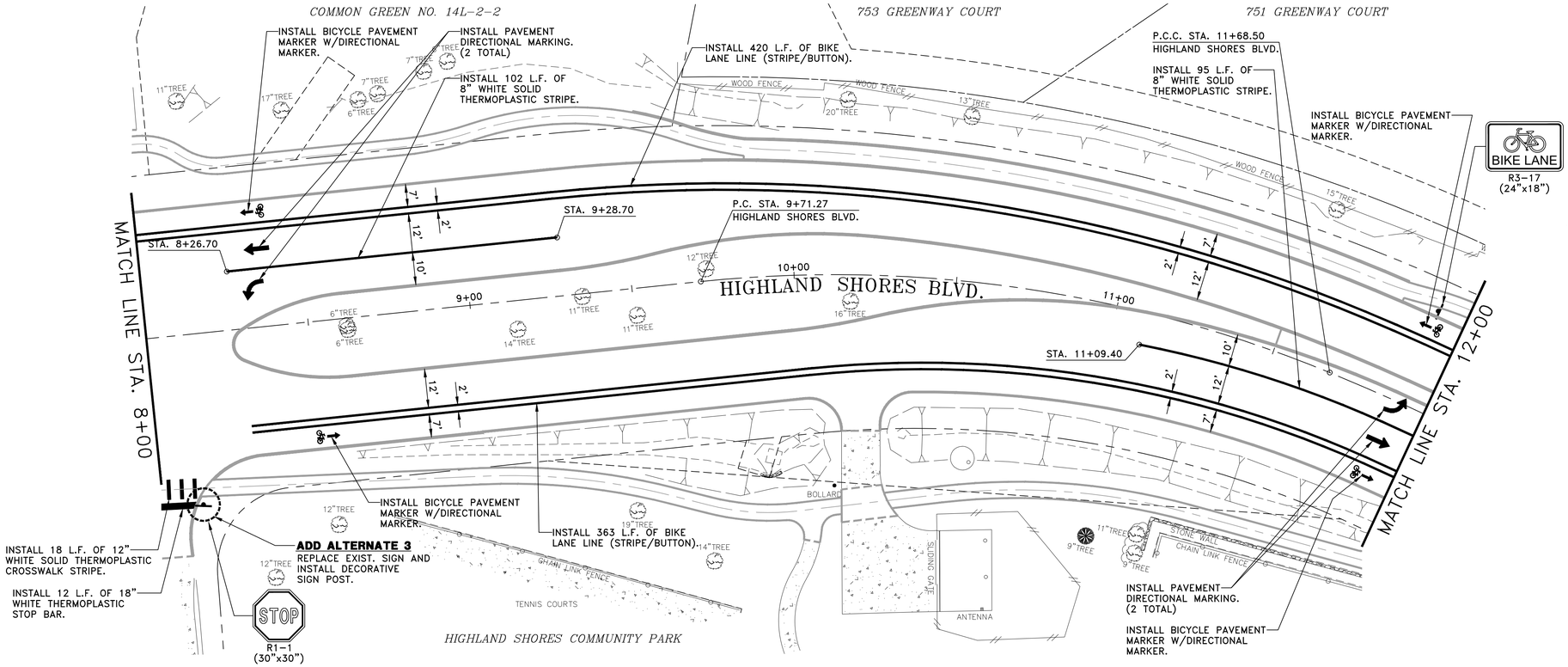
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 115

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-01



NOTES:

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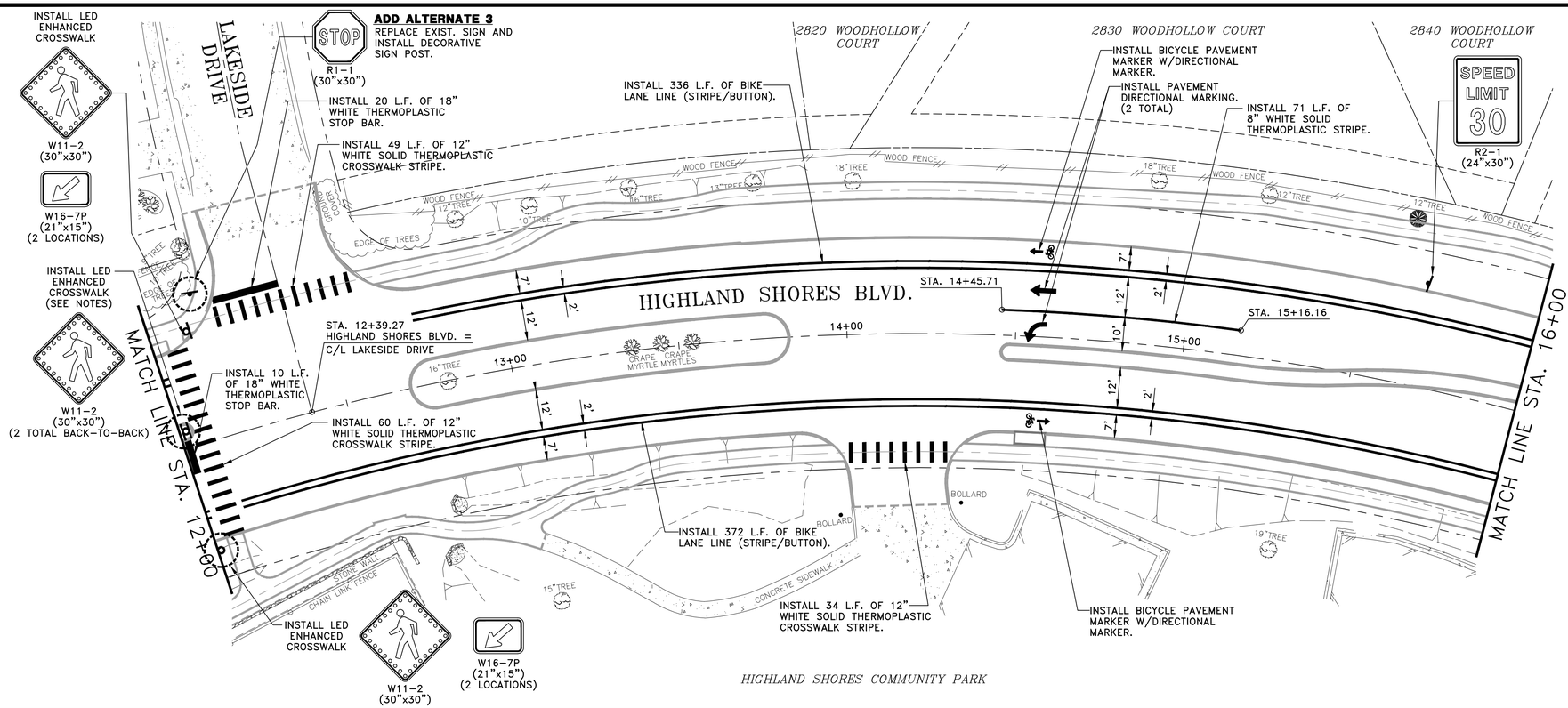
5. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
6. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)
7. LED ENHANCED CROSSWALK SHALL BE TAPCO W11-2 BLINKER SIGN WITH 55 WATT SOLAR PANEL, AND BULLDOG ACTIVATION BUTTONS (OR AN APPROVED EQUAL).
8. LED ENHANCED SIGNS SHALL BE INSTALLED ON 4.5" DIA. SCH 40 ALUMINUM POST (6061-T6) WITH PEDESTAL BASE.
9. 4.5" DIA. ALUMINUM POST FOUNDATION SHALL BE 24-A AND CONFORM TO TXDOT TS-FD-12.
10. CONTRACTOR SHALL PROVIDE SUBMITTAL FOR LED ENHANCED CROSSING FOR CITY APPROVAL PRIOR TO INSTALLATION.
11. LED ENHANCED CROSSWALK SHALL INCLUDE, SIGNS, BUTTONS, SOLAR PANELS, POST, MOUNTING BRACKETS, PEDESTAL POLE BASE, FOUNDATION, ETC. FOR A COMPLETE WORKING SYSTEM.



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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED
PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 8+00 TO STA. 16+00
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
1			
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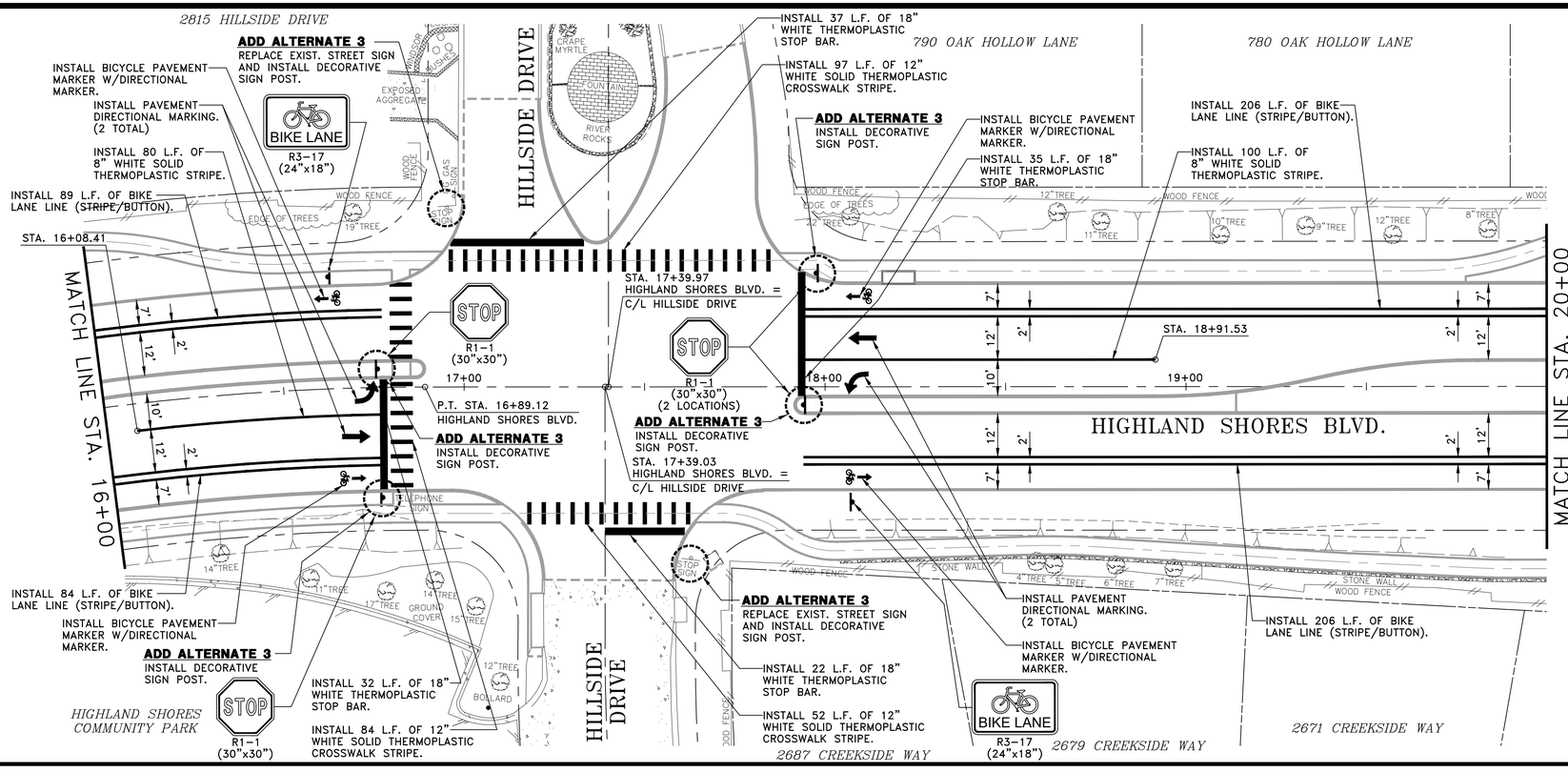
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 116

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-02



NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
4. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
5. BID ADD ALTERNATE NO. 3 INCLUDES REPLACEMENT OF EXISTING STREET SIGNS AND INSTALLATION OF DECORATIVE SIGN POST. (SEE DETAIL SHEET)
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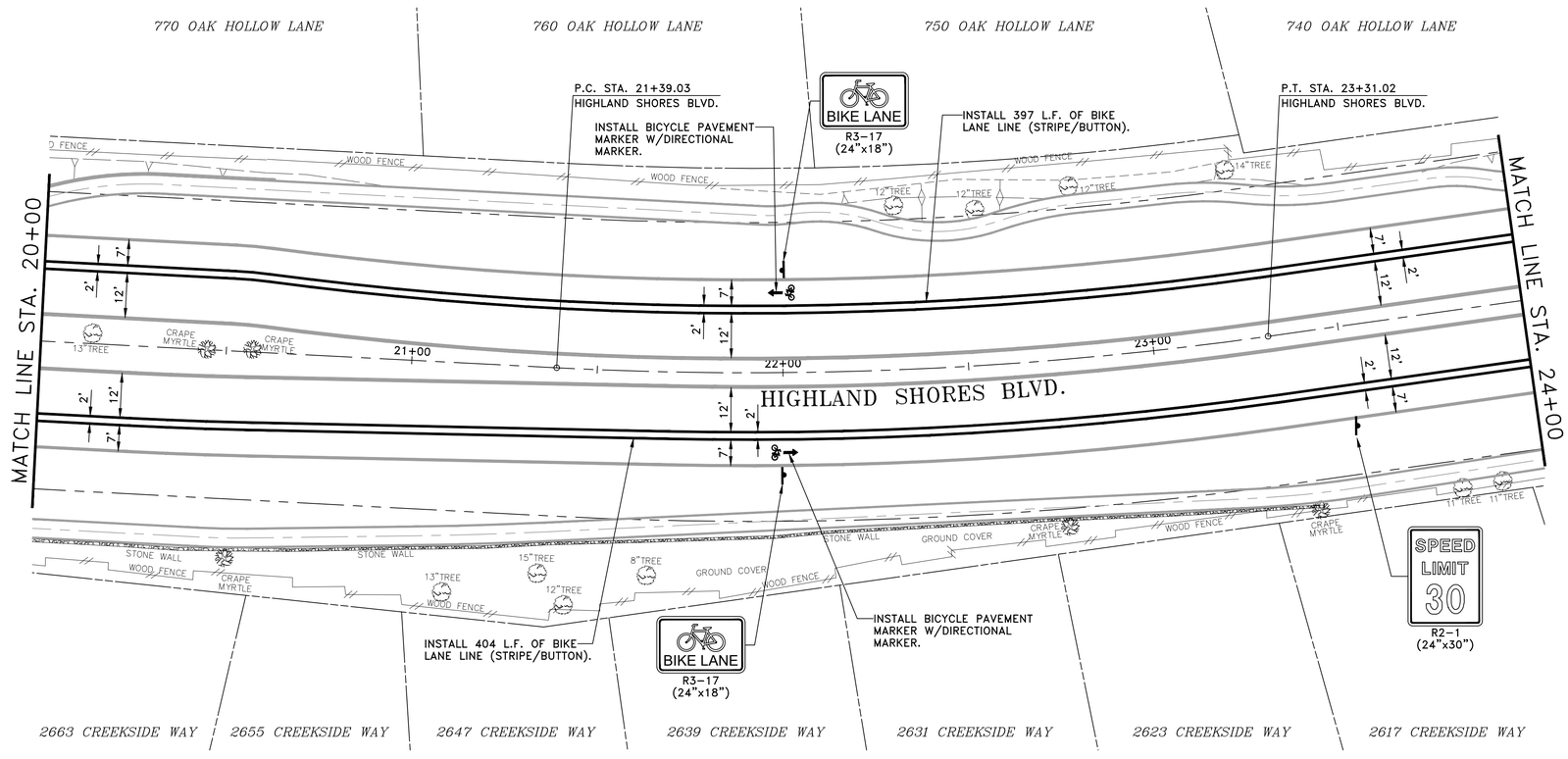

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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STA. 16+00 TO STA. 24+00
CITY OF HIGHLAND VILLAGE

STRIPING PLAN

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

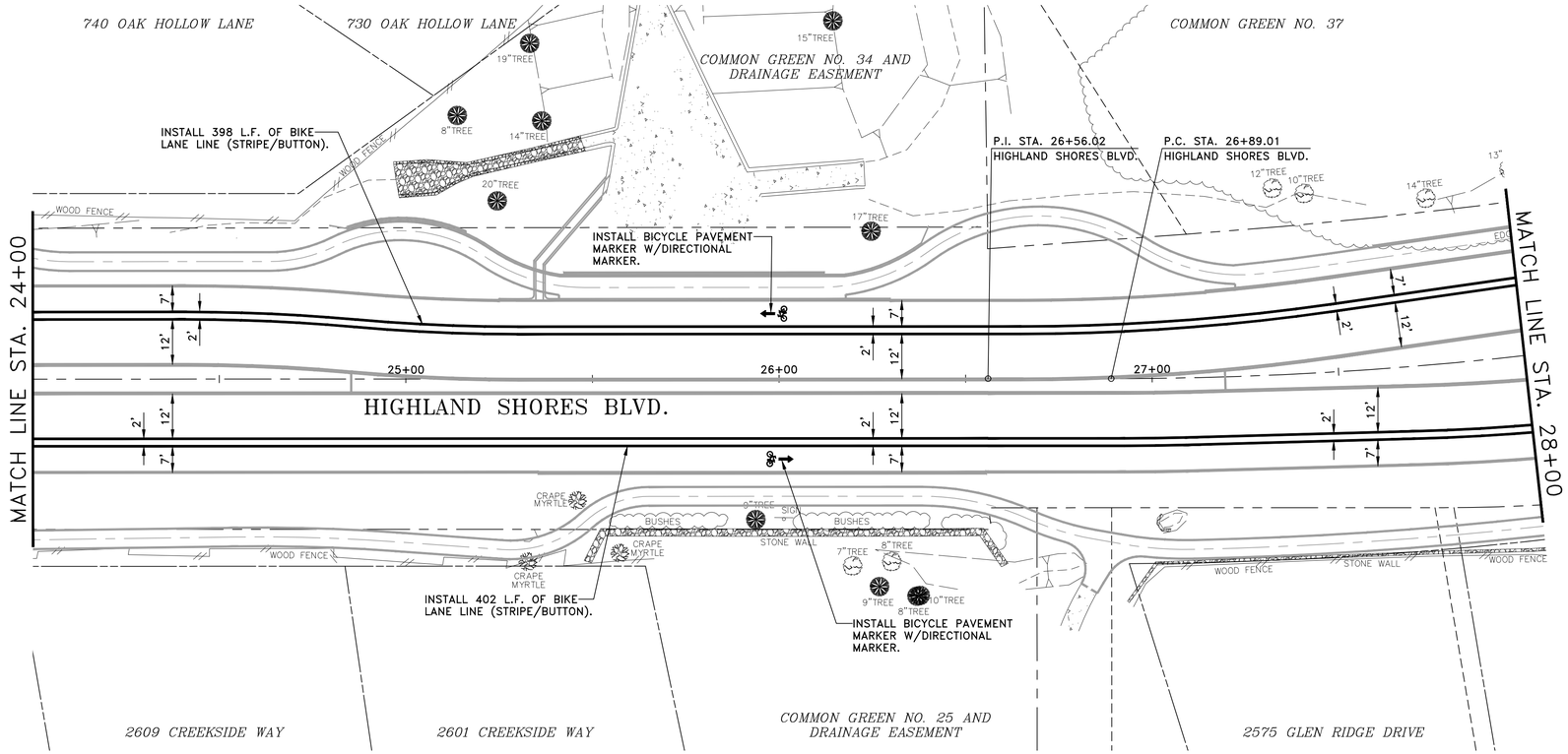
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 117

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-03



NOTES:

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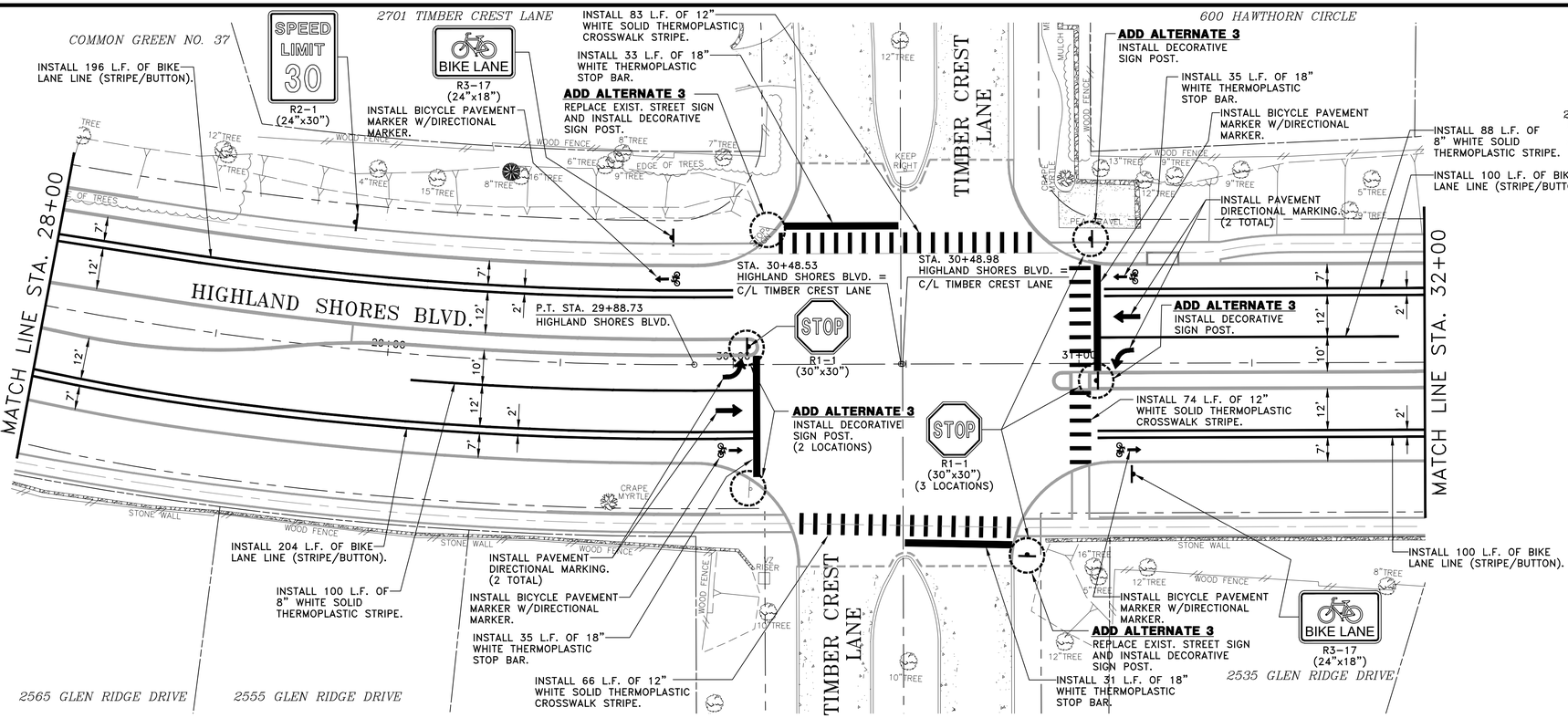

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STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 24+00 TO STA. 32+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED
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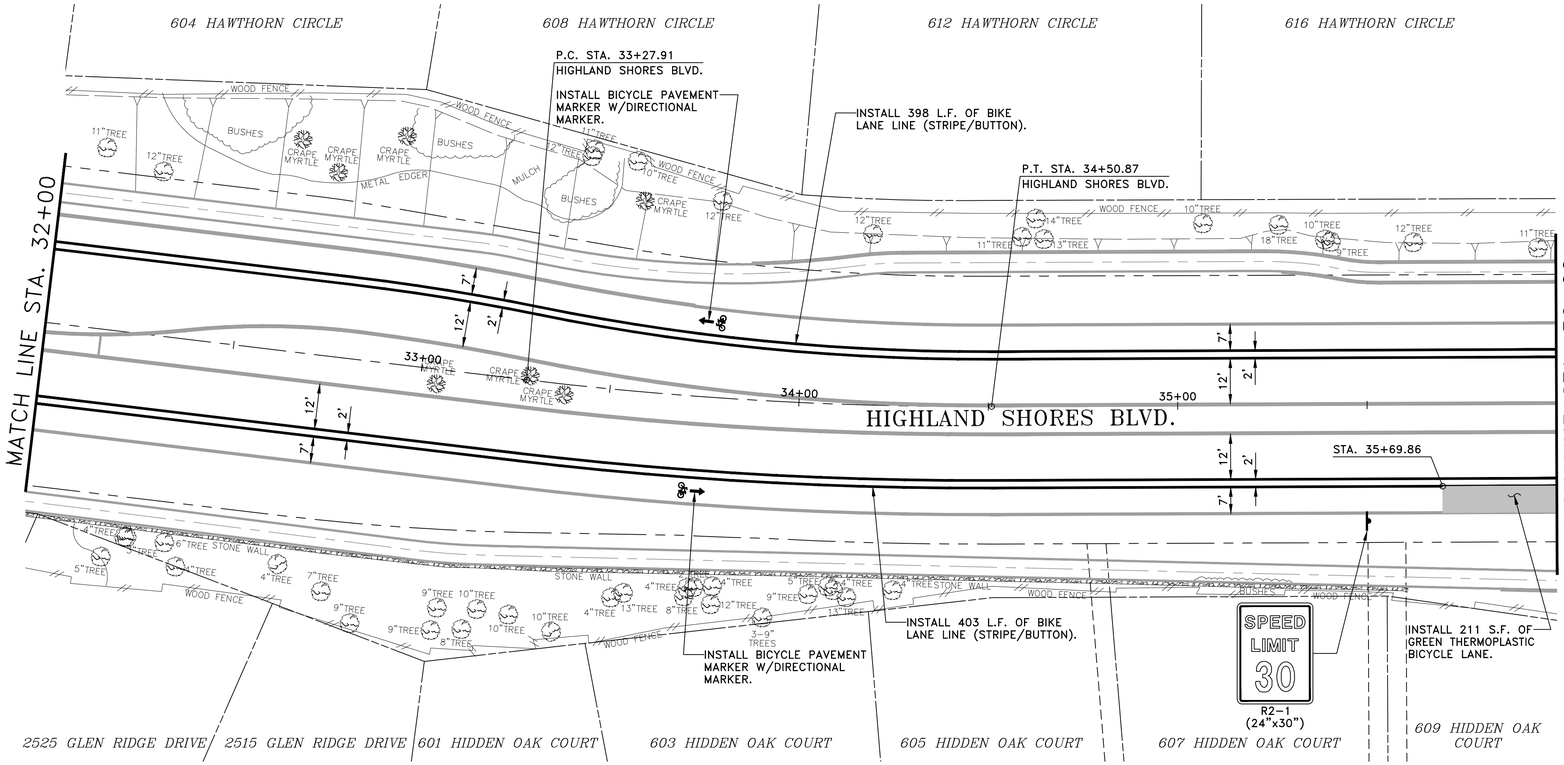
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 118

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-04



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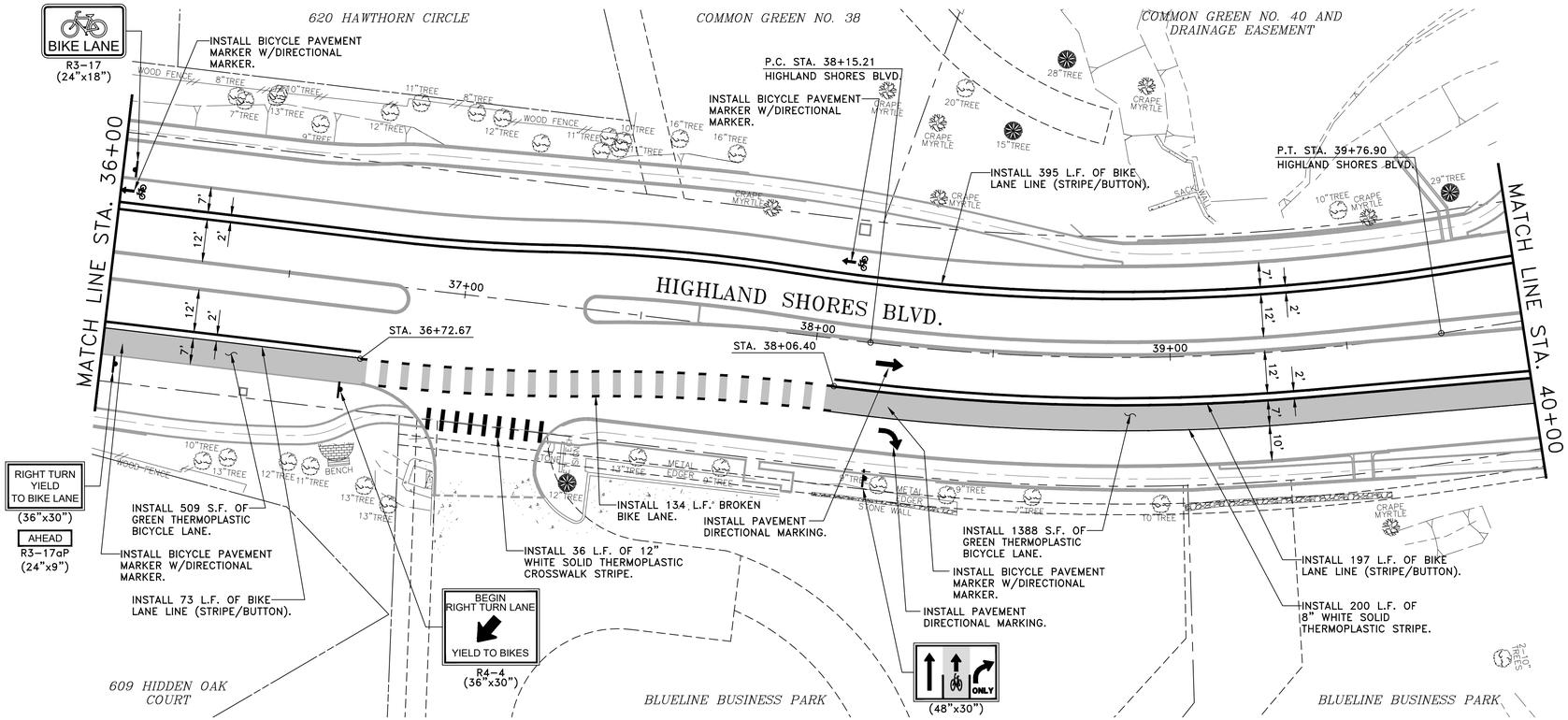
scale feet
1" = 20'

NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
4. PORTIONS OF BIKE LANE AS INDICATED IN PLAN ARE TO BE PAINTED WITH A SOLID GREEN PAINT. CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL.
5. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.
6. BID ADD ALTERNATE NO. 4 INCLUDES INSTALLATION OF DECORATIVE SIGN POST ON ALL PROPOSED AND EXISTING SIGNS. (SEE DETAIL SHEET)



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scale feet
1" = 20'

SCHAUMBURG & POLK, INC.
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STATE OF TEXAS
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9-29-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 32+00 TO STA. 40+00
CITY OF HIGHLAND VILLAGE

NO.	DATE	REVISION	REVIEWED
1			
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

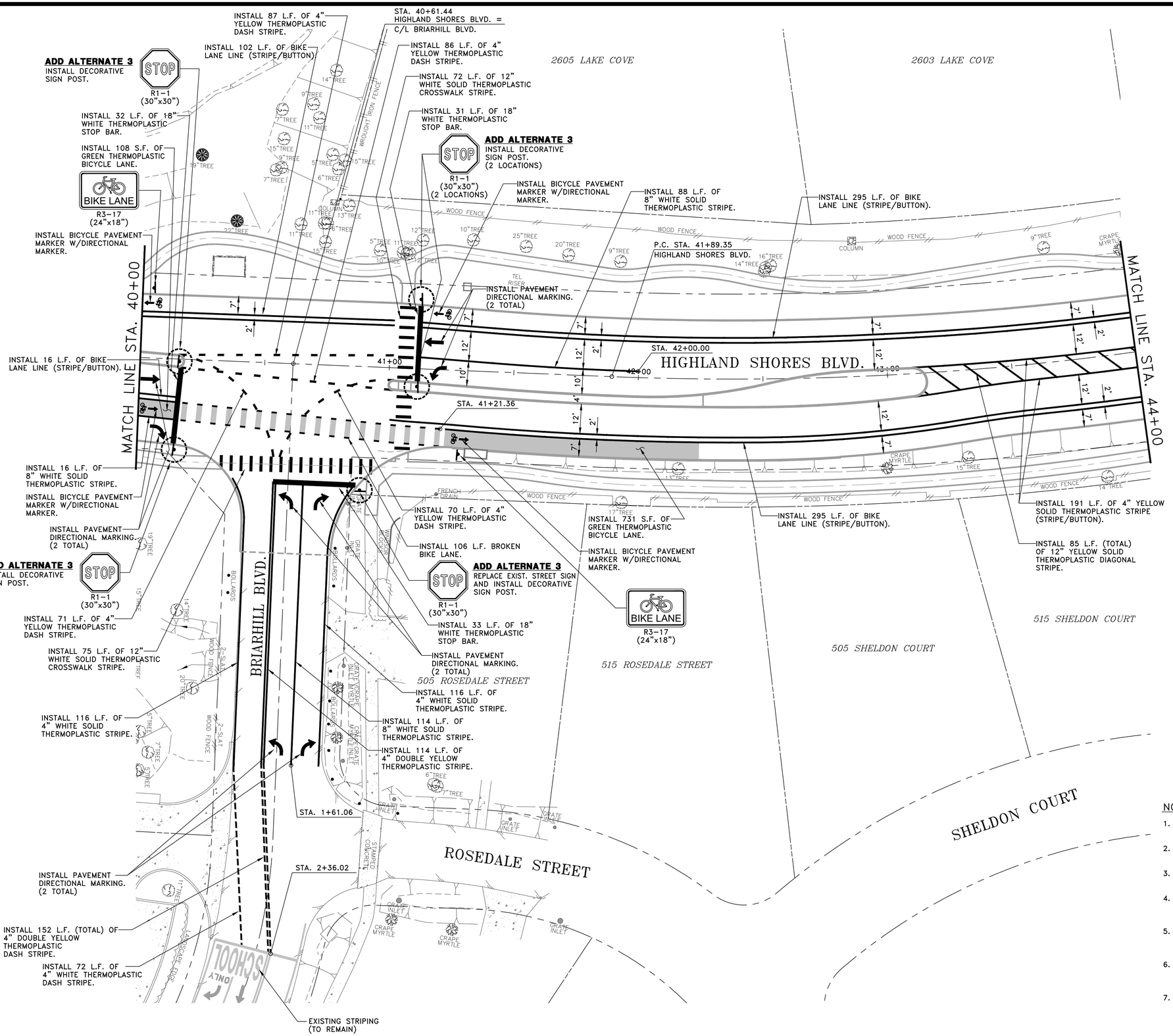
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 119

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-05



NOTES:

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SCHAUMBURG & POLK, INC.
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STATE OF TEXAS
JONATHAN D. WATKINS
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REGISTERED PROFESSIONAL
9-29-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 36+00 TO STA. 44+00
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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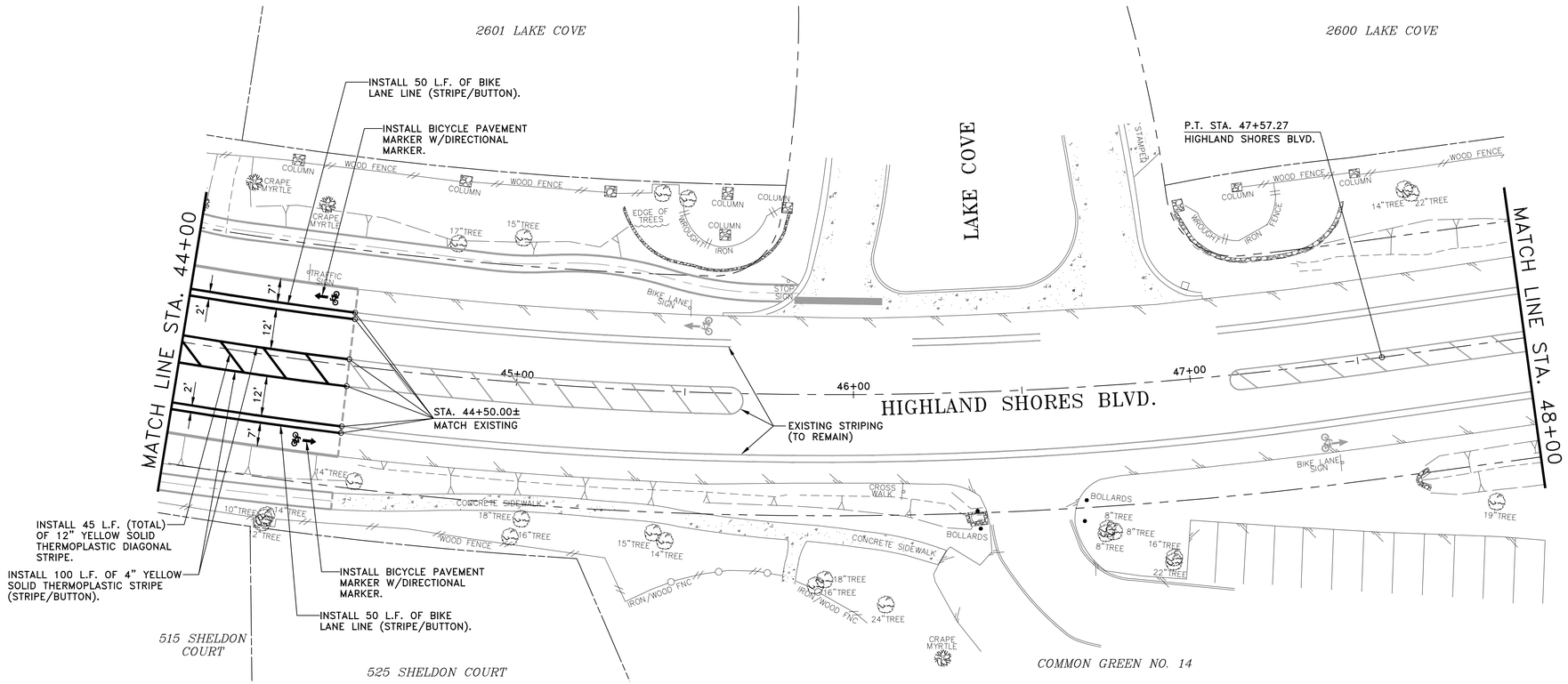
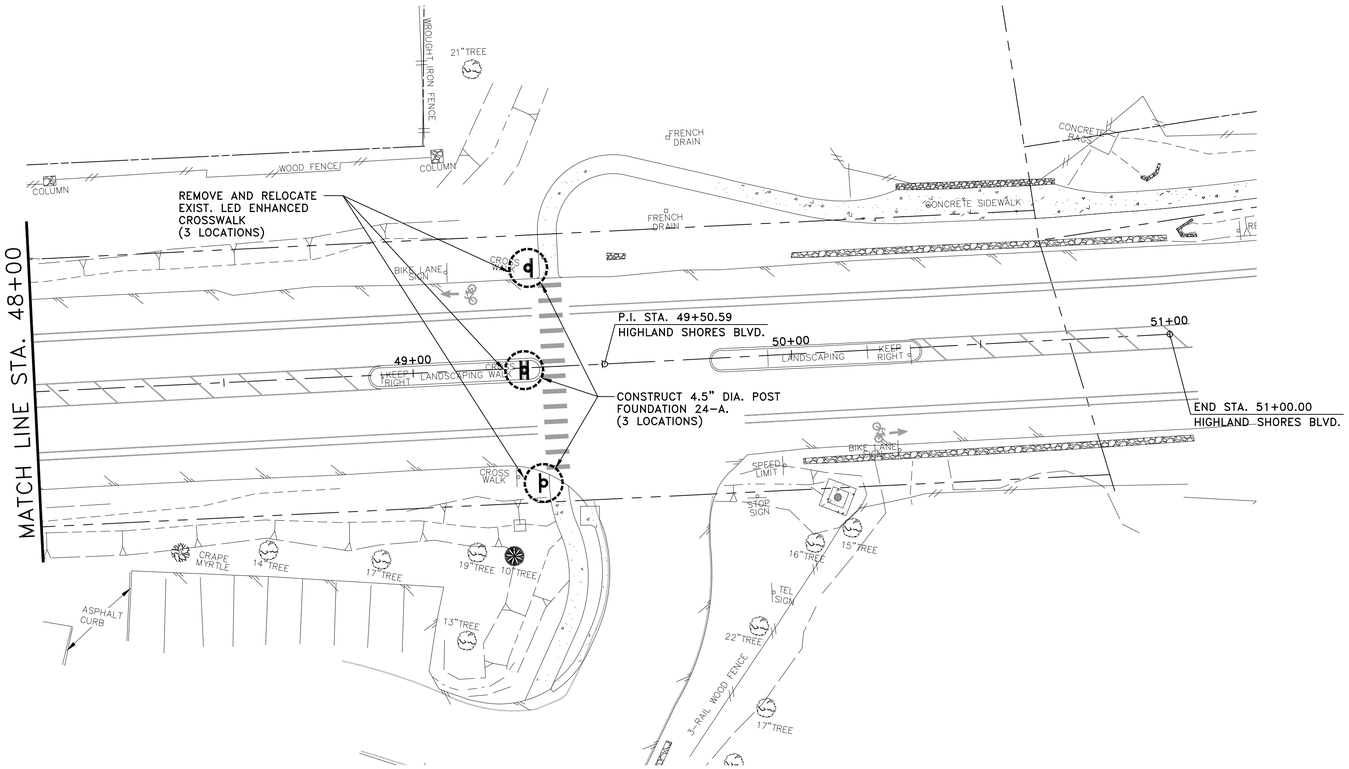
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 120

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-06





NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
4. CONTRACTOR SHALL REMOVE EXISTING LED ENHANCED CROSSWALK AND STORE COMPONENTS INCLUDING, SIGNS, SOLAR PANELS, ACTIVATION BUTTONS, BATTERIES, MOUNTING HARDWARE, ETC.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SIGN POST AND FOUNDATION.
6. CONTRACTOR SHALL INSTALL NEW 4.5" DIA. POST FOUNDATION 24–A. FOUNDATION SHALL CONFORM TO TXDOT TS–FD–12. CITY WILL PROVIDE TO THE CONTRACTOR THE 4.5" POLES.
7. CONTRACTOR SHALL REINSTALL THE EXISTING ENHANCED LED CROSSWALK ONTO THE NEWLY ERECTED POLES.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-23-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STRIPING PLAN
STA. 44+00 TO STA. 46+50
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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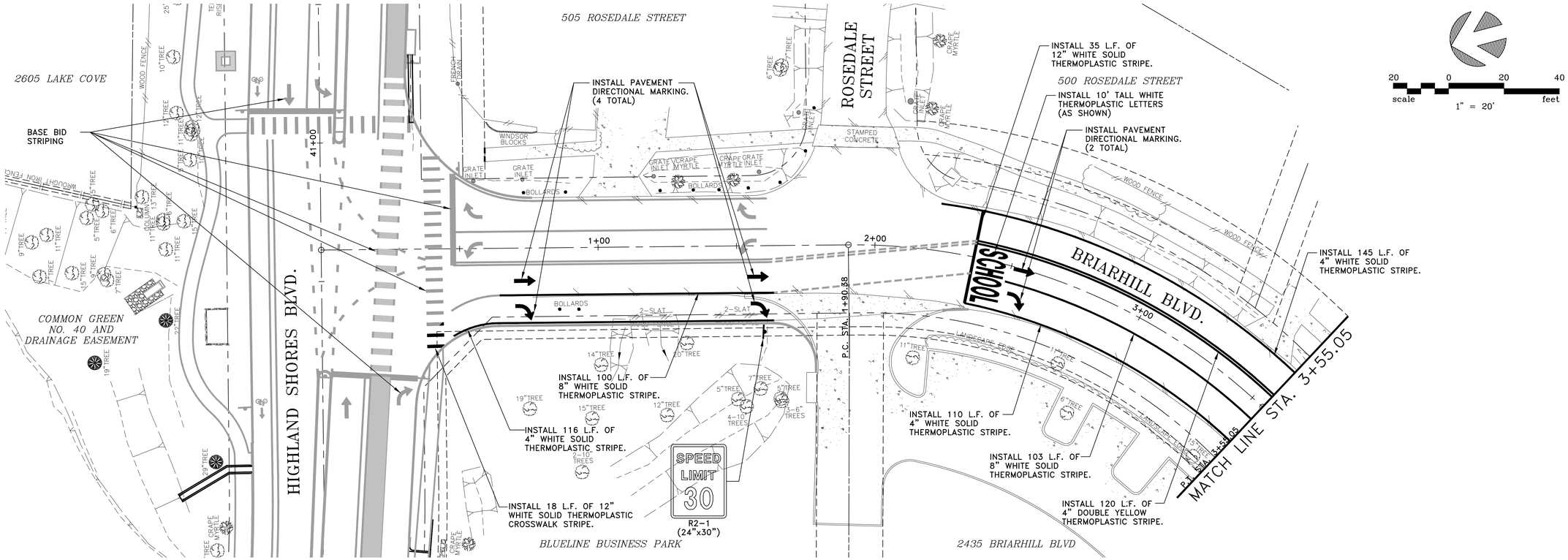
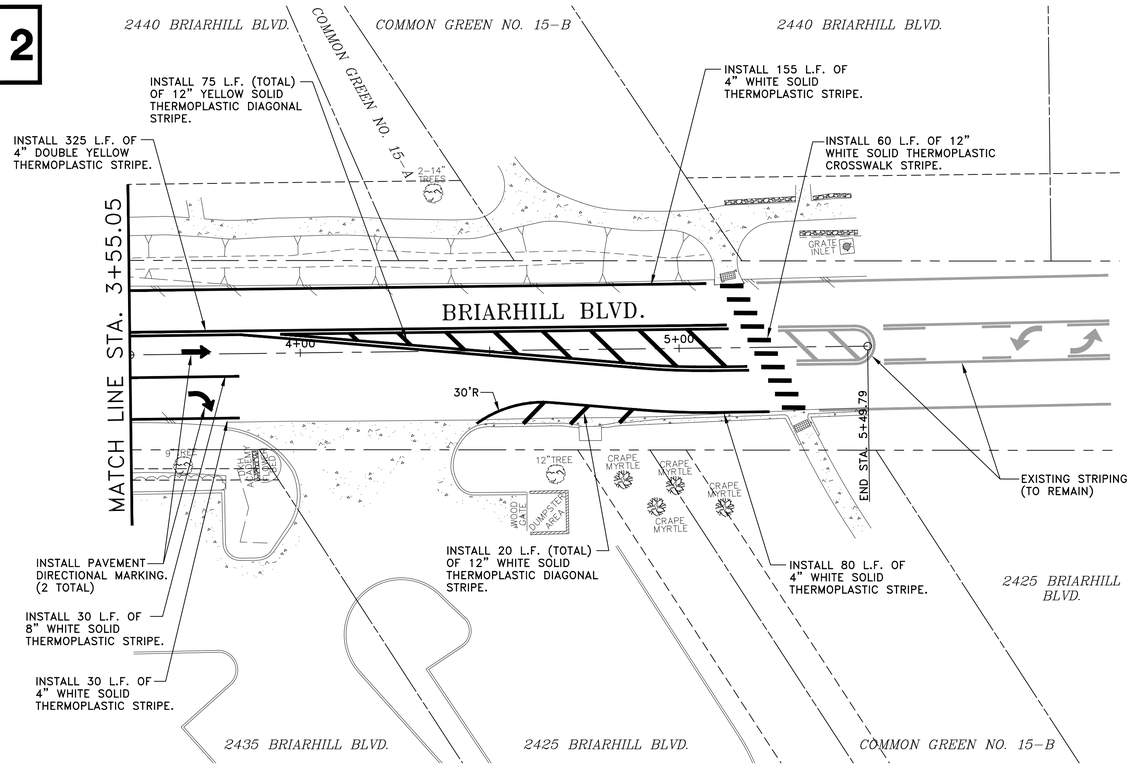
SCALE: 1" = 20'
DATE: SEPTEMBER 2026
DRAWN BY: SPI
REVIEWED BY: JDW
PROJECT NO: 23-2132
SHEET NO: 121

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-HSBLVD-07



ADD ALTERNATE 2



NOTES:

1. ALL PROPOSED PAVEMENT STRIPING AND MARKINGS SHALL CONFORM TO CITY OF HIGHLAND VILLAGE STANDARDS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
3. SEE CONSTRUCTION DETAILS SHEET FOR ADDITIONAL PAVEMENT MARKING AND STRIPING DETAILS.
4. ALL PROPOSED SIGN ASSEMBLIES SHALL INCLUDE SIGNS, 2.875" DIA. SCH 80 GALVANIZED STEEL POST, MOUNTING BRACKETS, FOUNDATION, ETC.

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
BRIARHILL BLVD. - STRIPING PLAN
STA. 0+00 TO STA. 5+49.79
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE: 1" = 20'

DATE: SEPTEMBER 2026

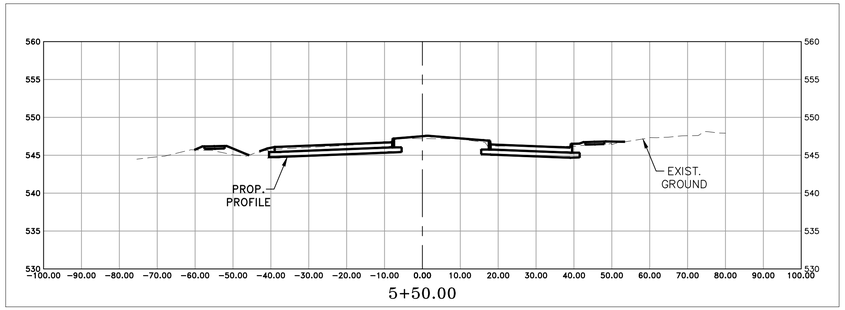
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 122

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132STRIPING-BRIARHILL-ADD ALT



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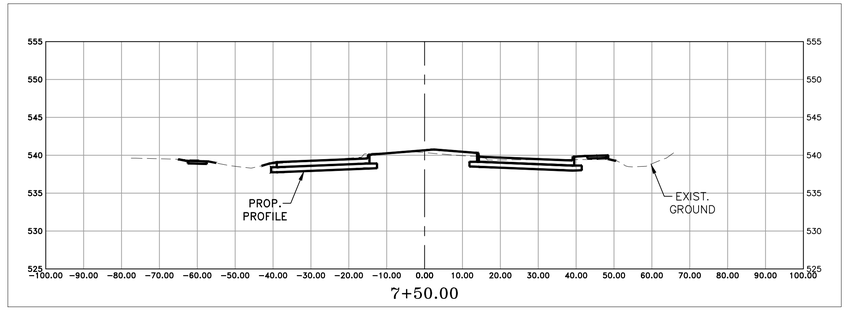

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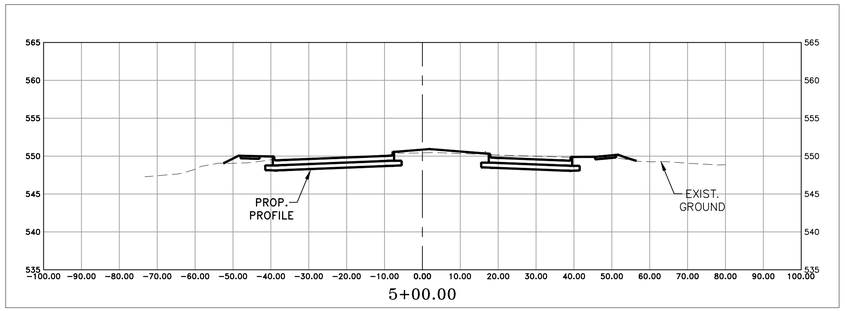

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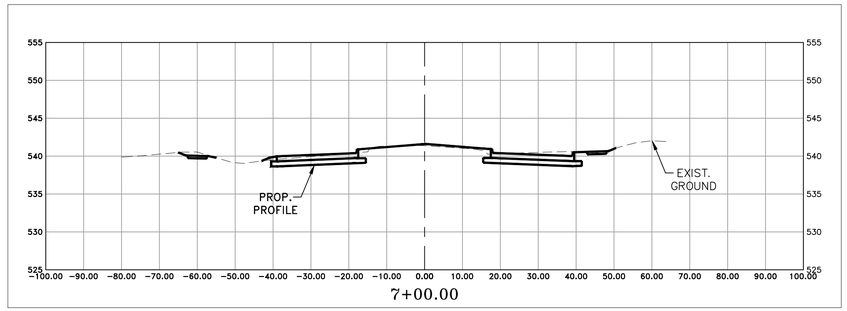

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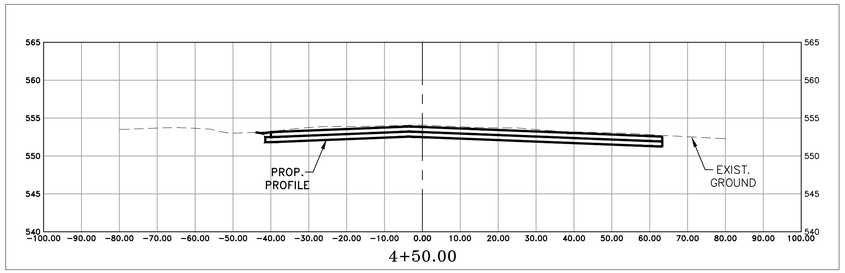

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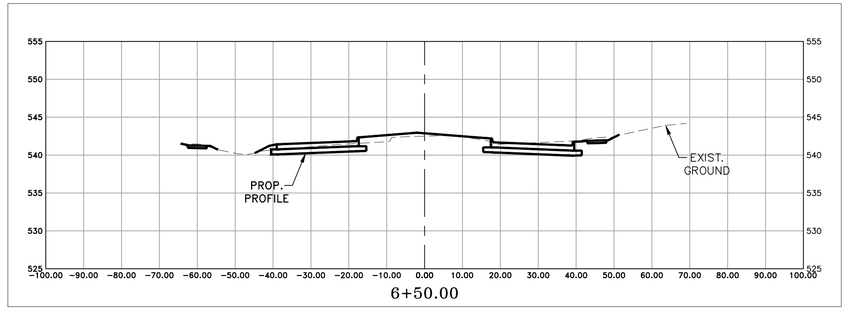

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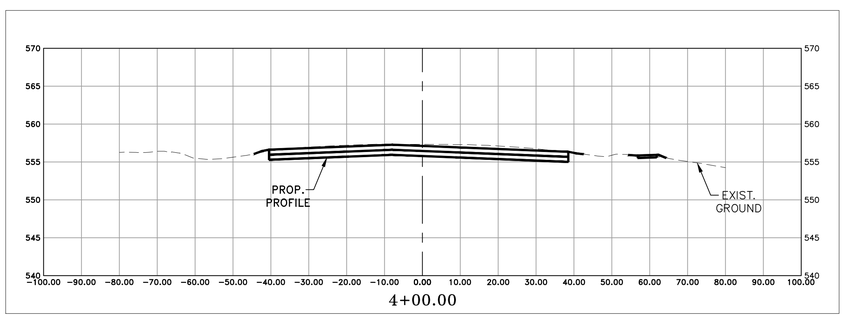

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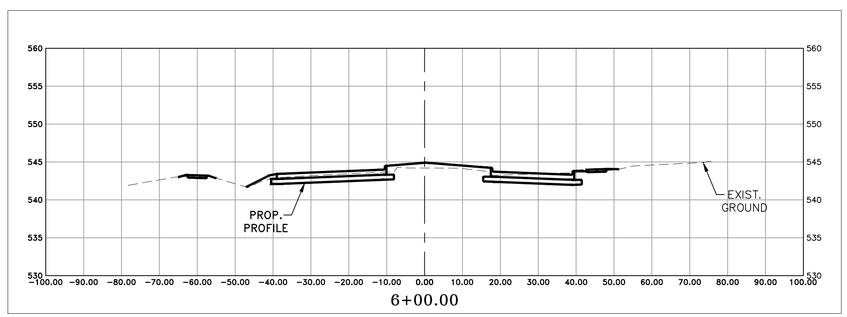

6+00.00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE
HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 1

NO.:	DATE:	REVISION:	REVIEWED:
1			
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

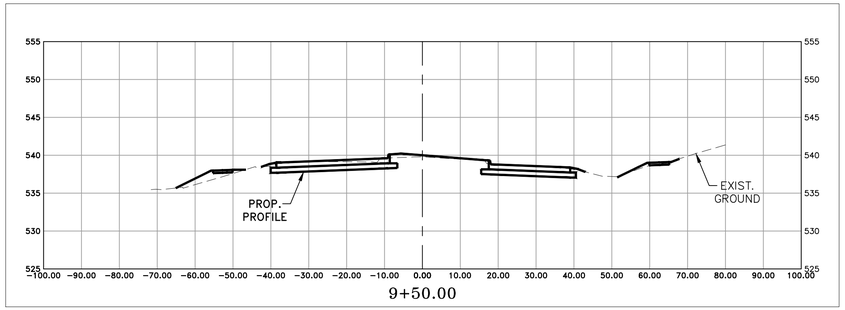
DRAWN BY:
SPI

REVIEWED BY:
JDW

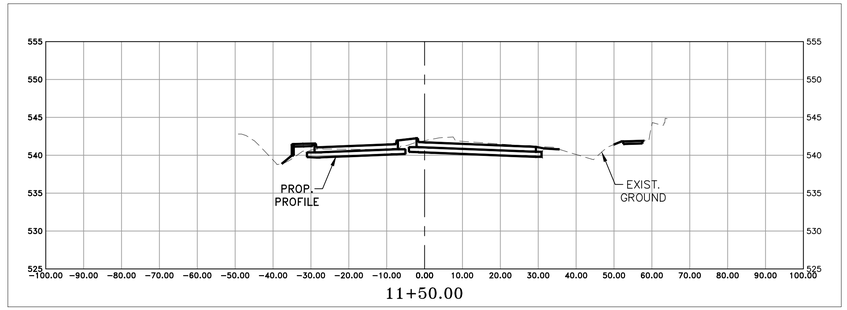
PROJECT NO:
23-2132

SHEET NO:
123

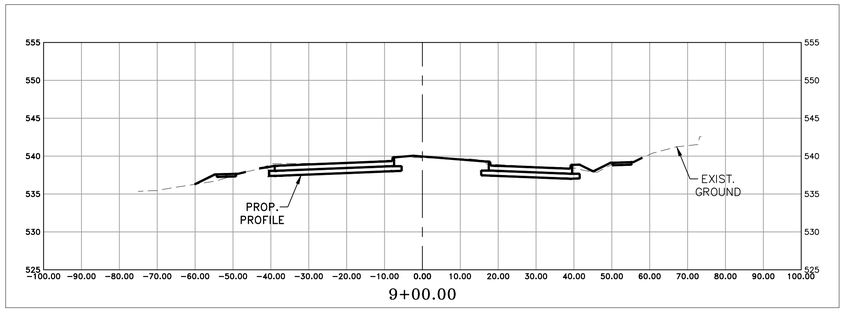
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



9+50.00



11+50.00



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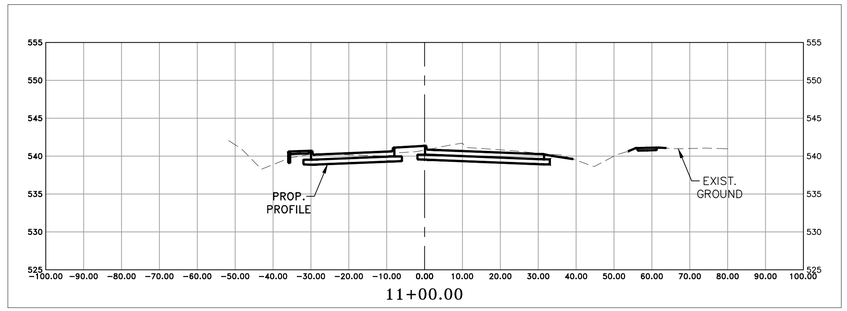

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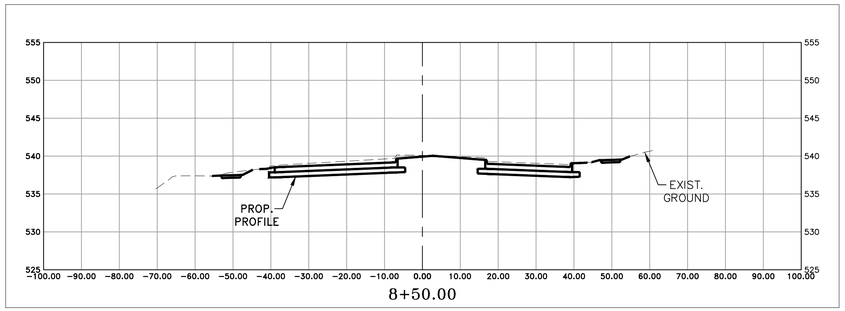
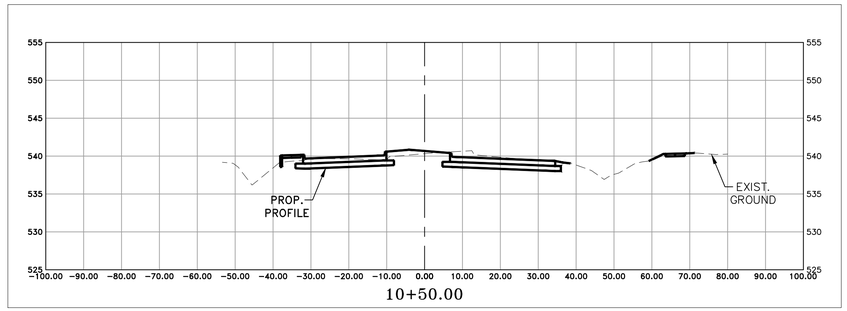


8+50.00



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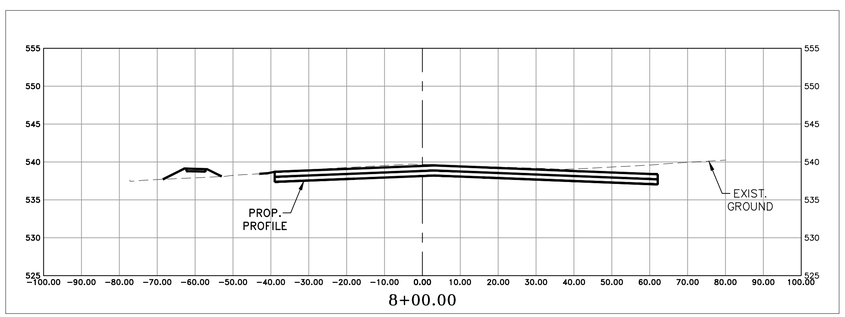

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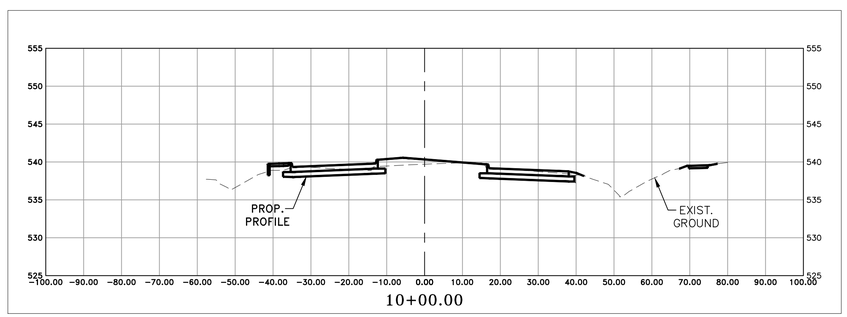

10+00.00

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
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Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 2

NO.:	DATE:	REVISION:	REVIEWED:
1			
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

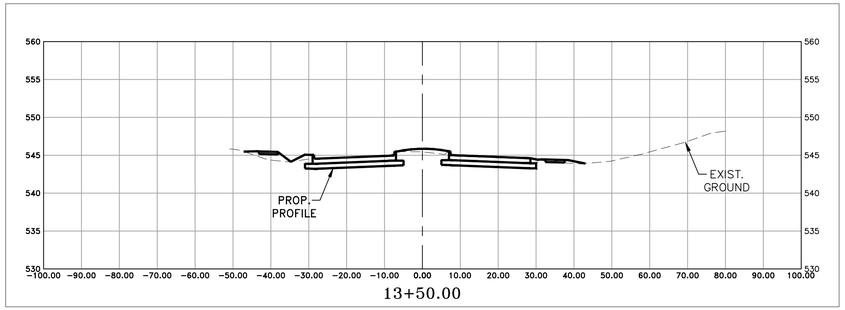
DRAWN BY:
SPI

REVIEWED BY:
JDW

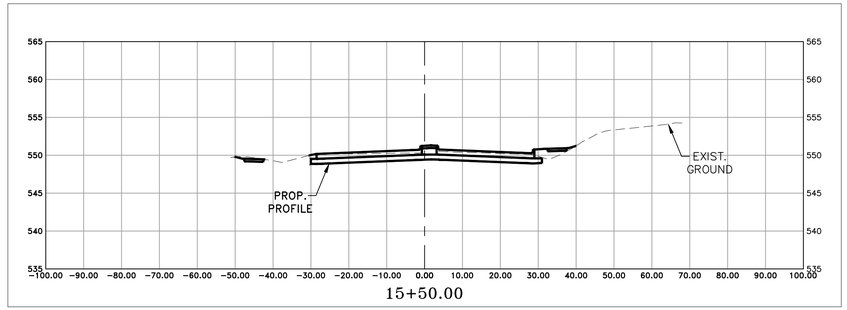
PROJECT NO:
23-2132

SHEET NO:
124

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



13+50.00



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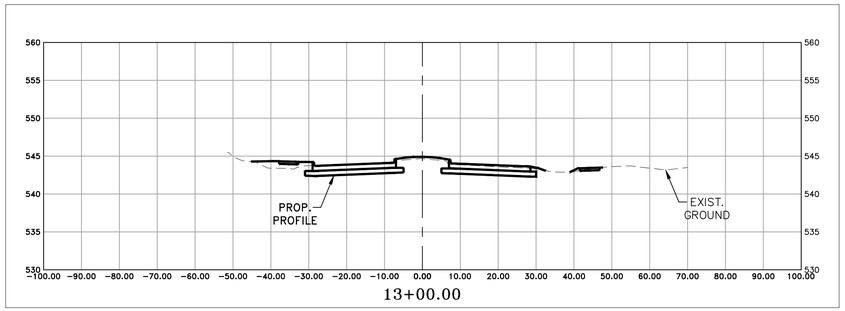

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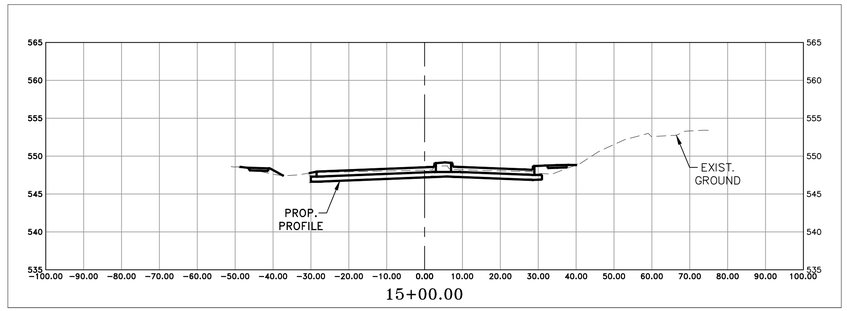

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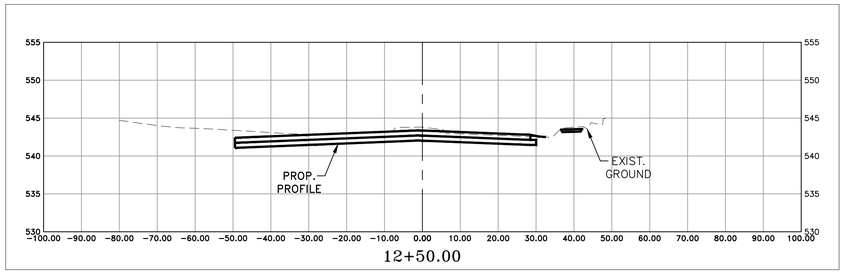

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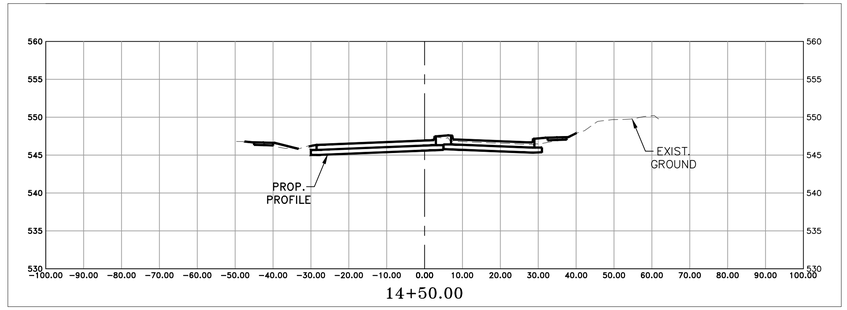
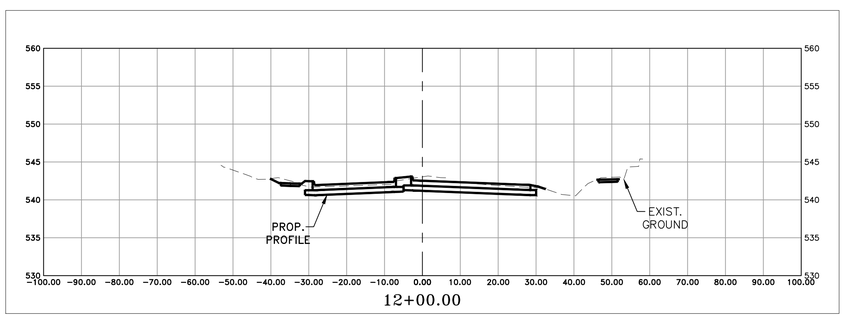


14+50.00



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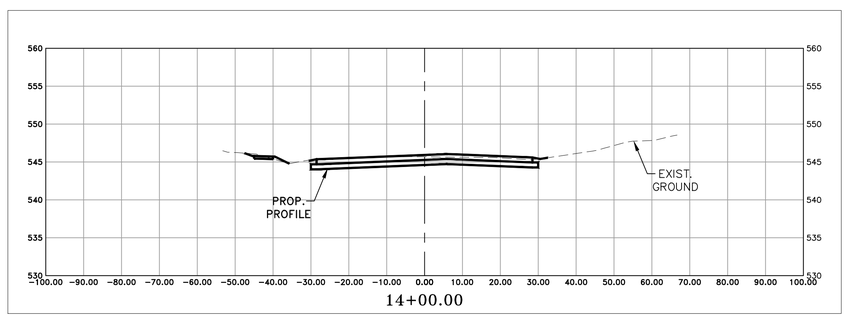

14+00.00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 3

NO.:	DATE:	REVISION:	REVIEWED:
1			
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7			

SCALE: 1" = 20'

DATE: SEPTEMBER 2026

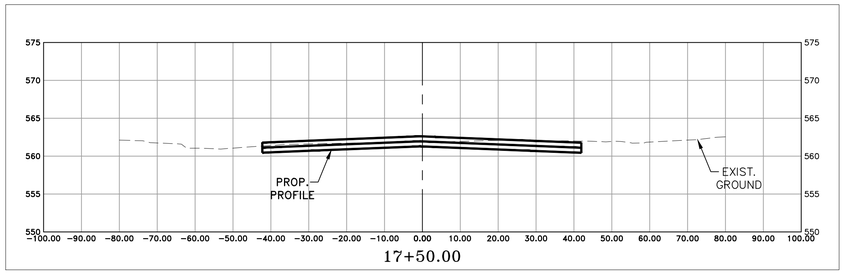
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 125

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



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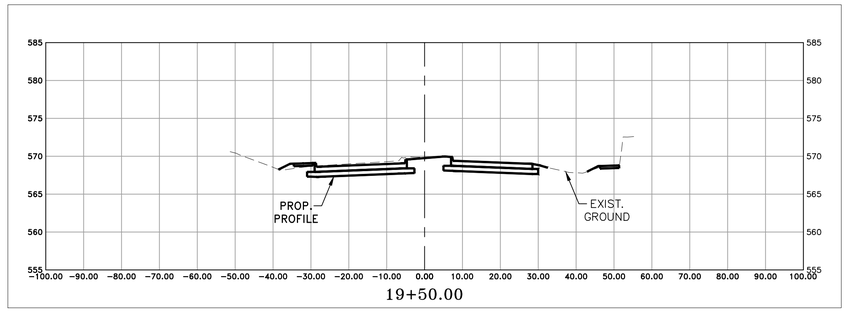

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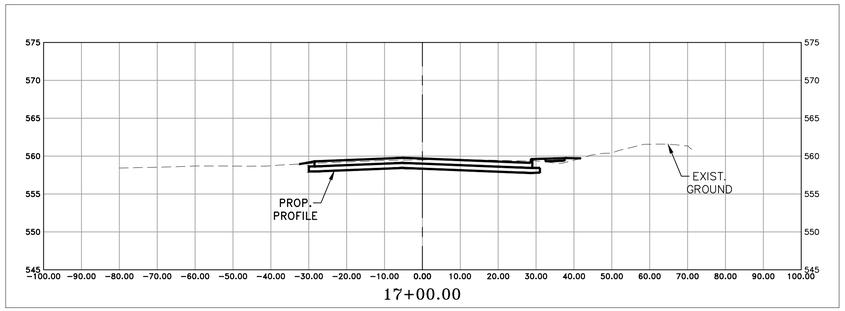

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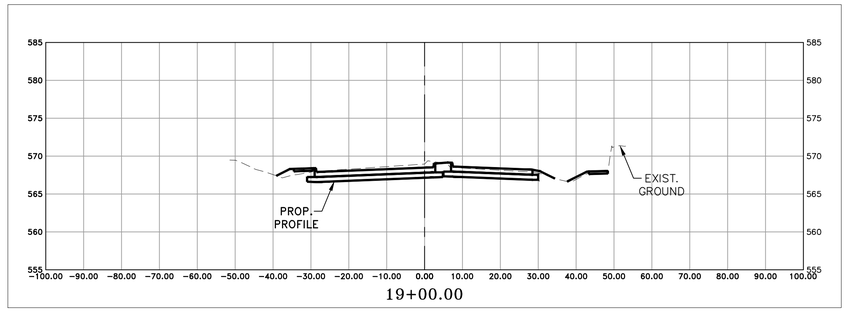

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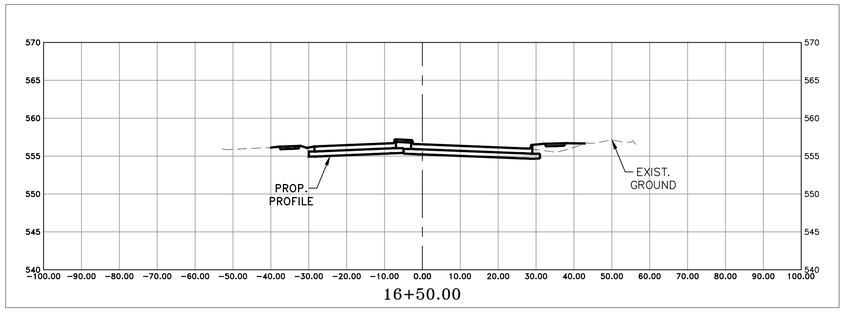

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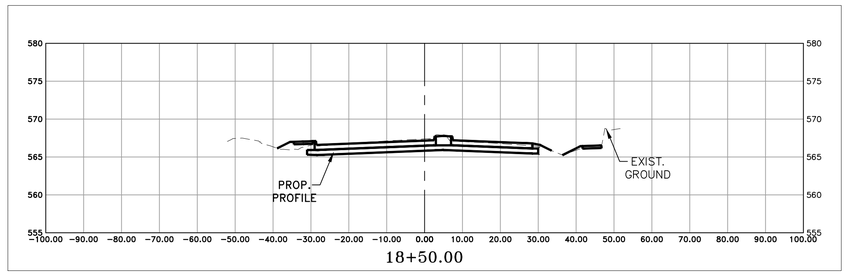

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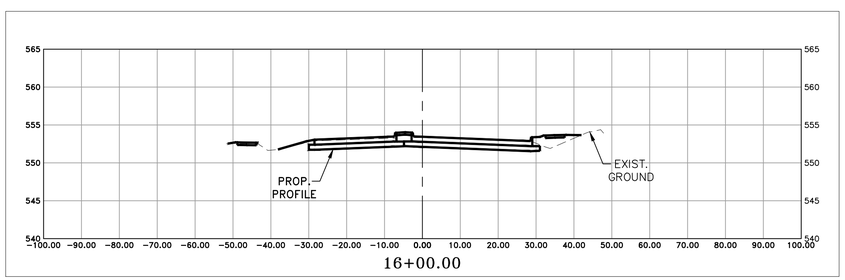

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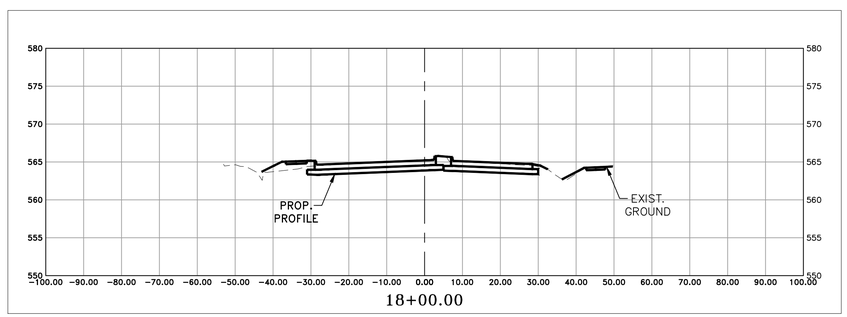

18+00.00

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)

STREET CROSS-SECTION

SHEET 4

NO.:	DATE:	REVISION:	REVIEWED:
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SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

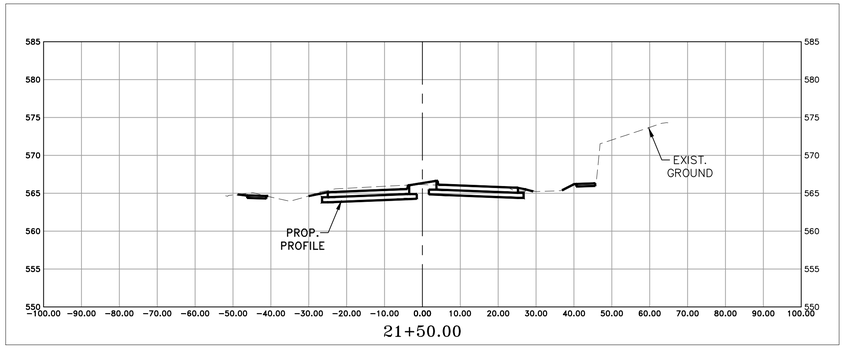
DRAWN BY:
SPI

REVIEWED BY:
JDW

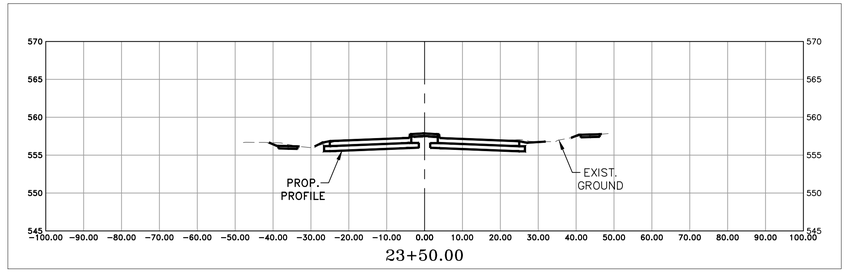
PROJECT NO:
23-2132

SHEET NO:
126

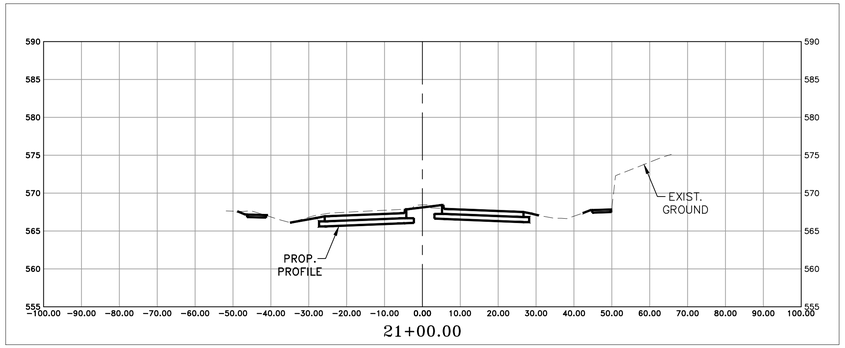
J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



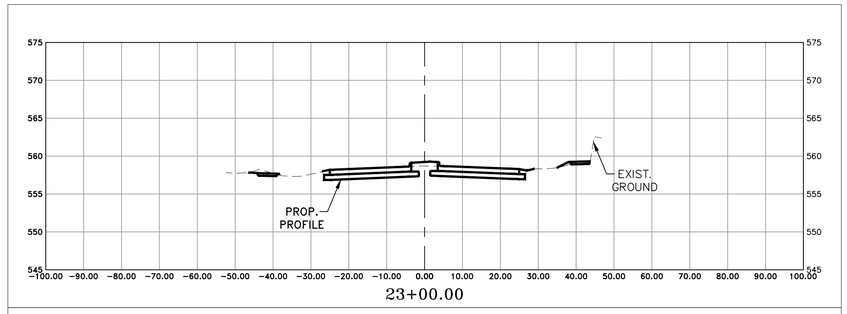
21+50.00



23+50.00



21+00.00



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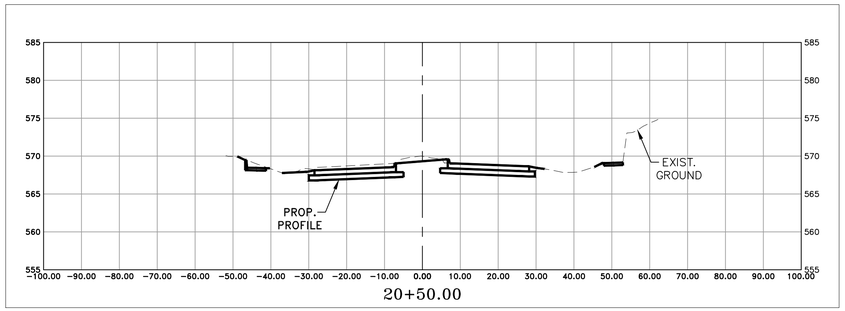

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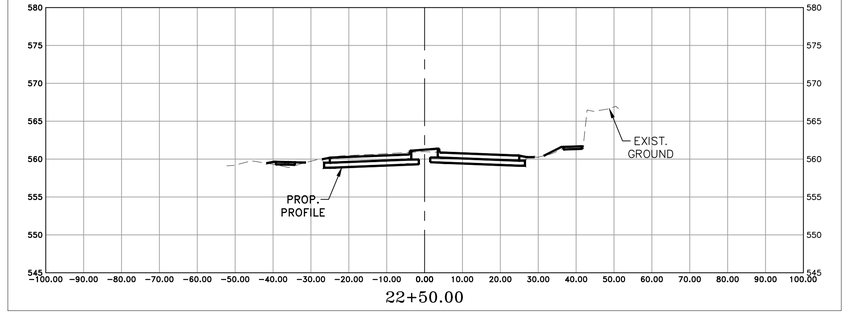

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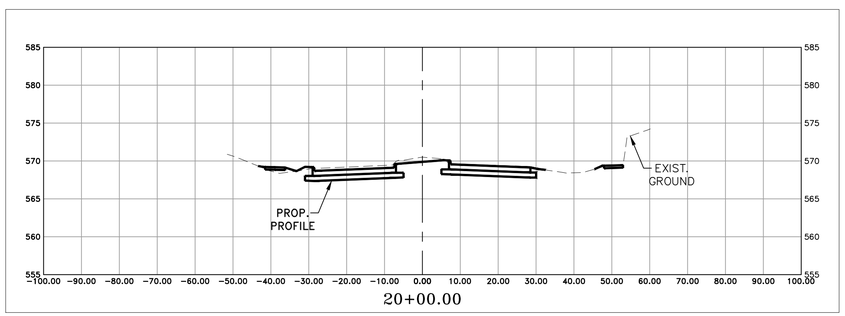

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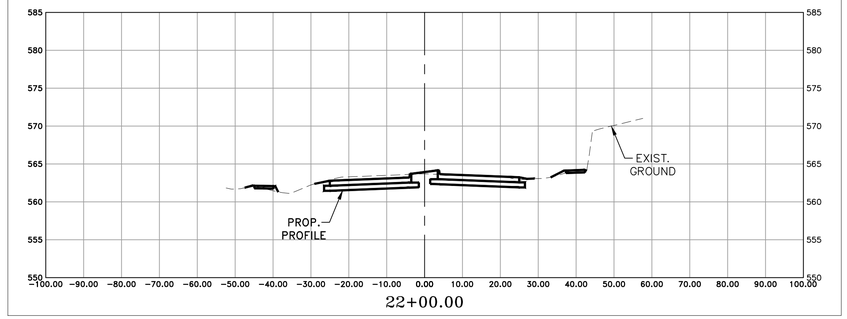

22+00.00

SCHAUMBURG & POLK, INC.
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KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION SHEET 5
CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
7			
6			
5			
4			
3			
2			
1			

SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

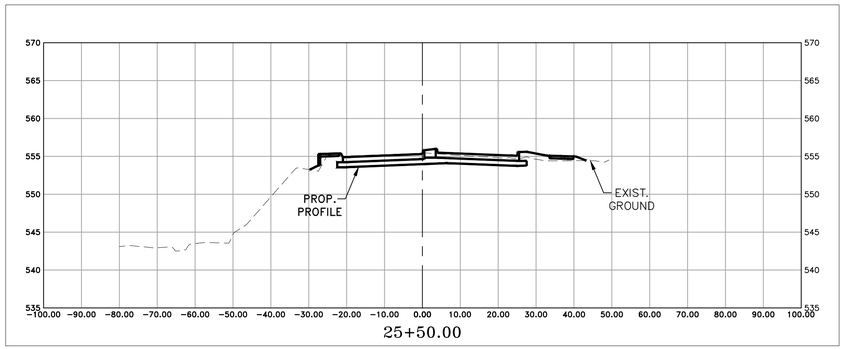
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
127

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



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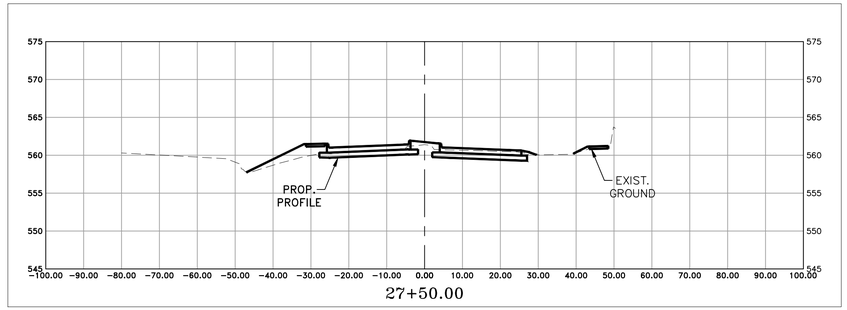

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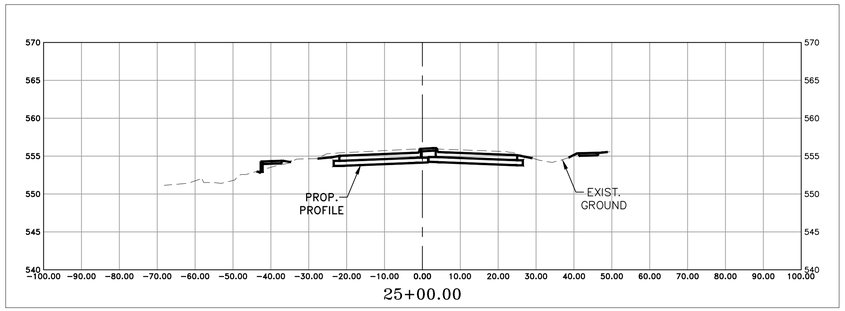

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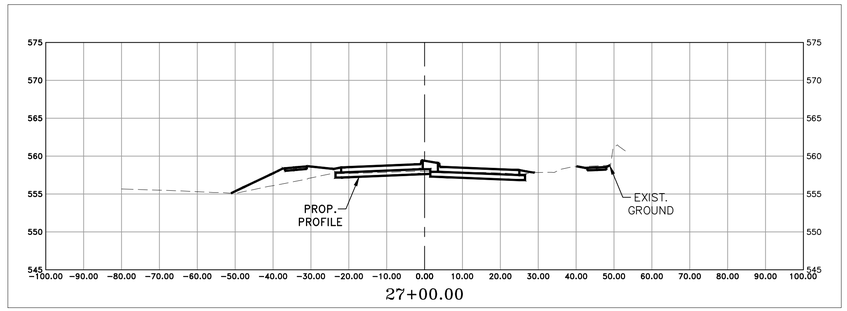

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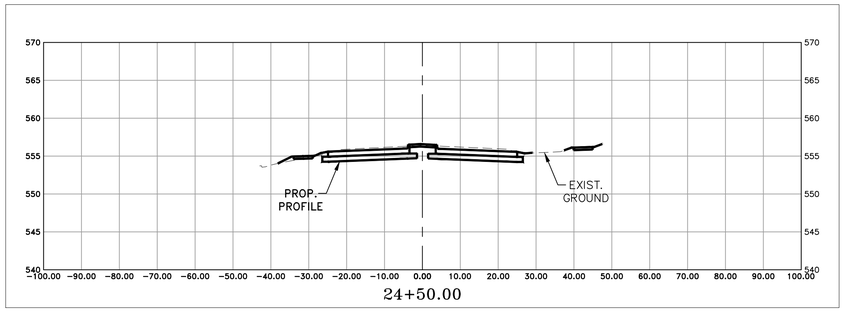

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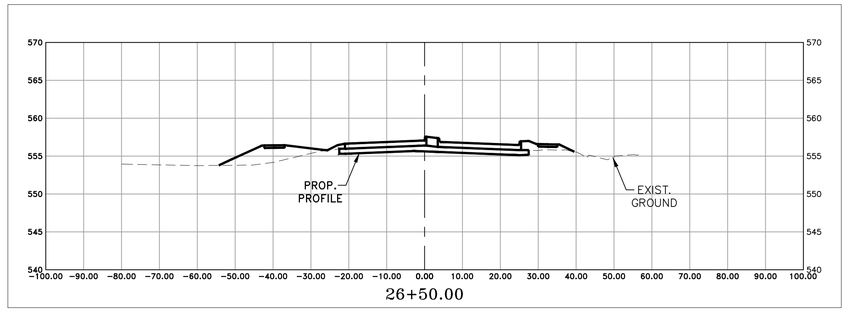

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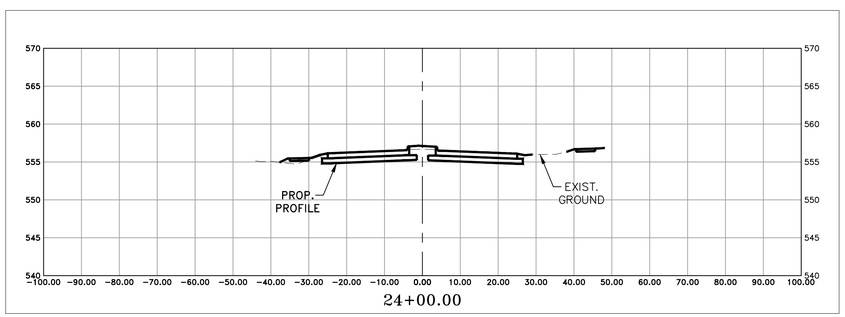

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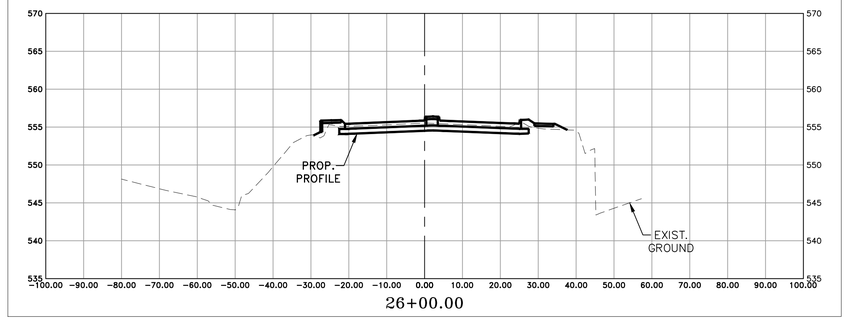

26+00.00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 6

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

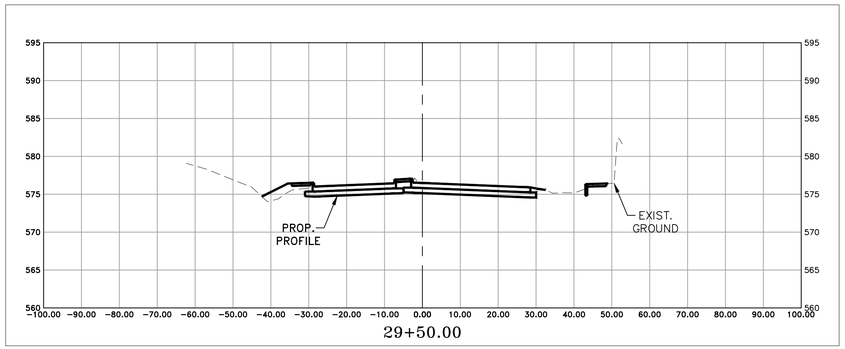
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
128

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



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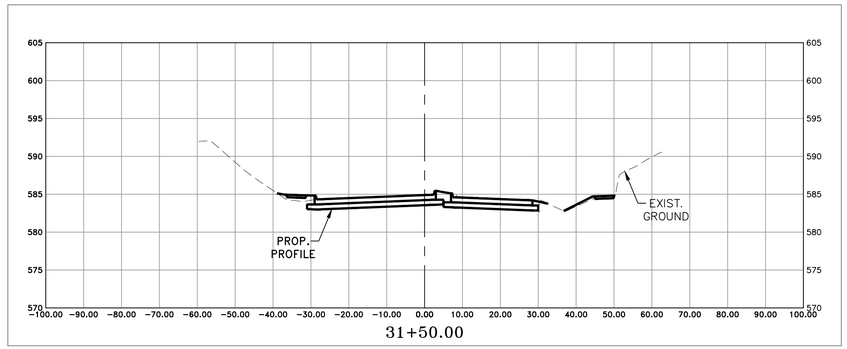

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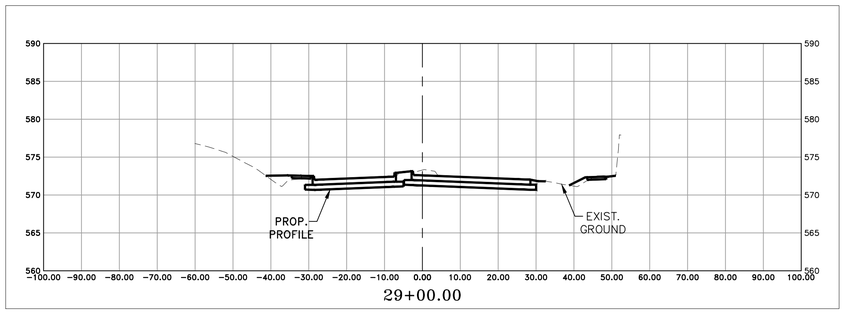

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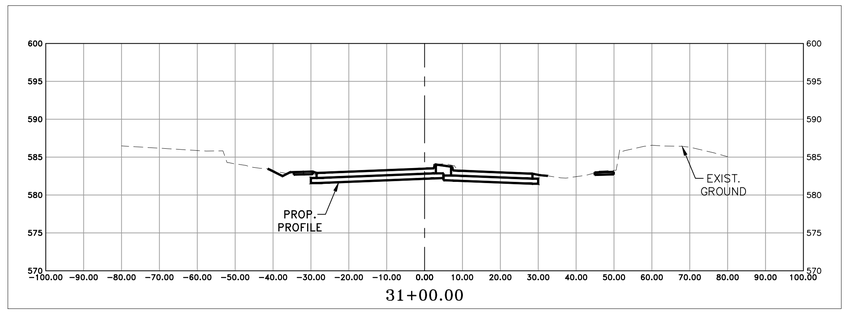

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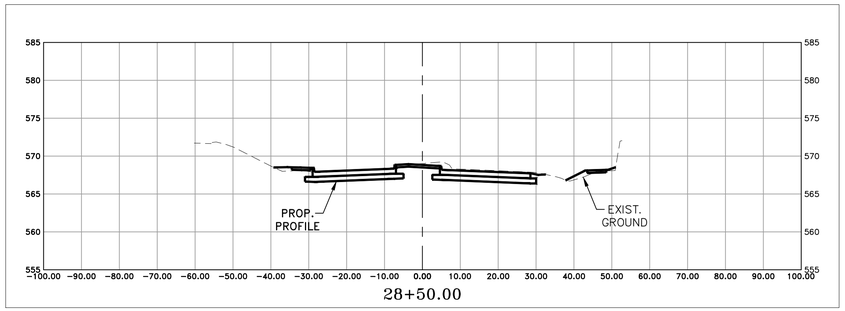

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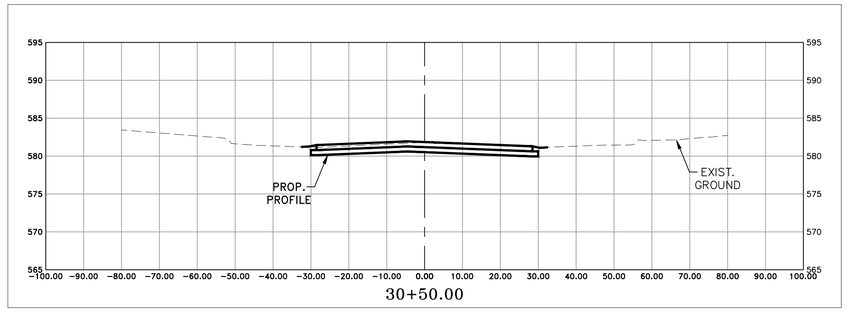

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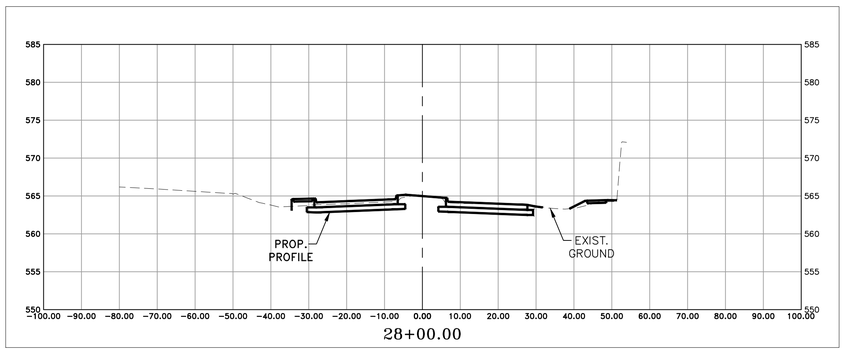

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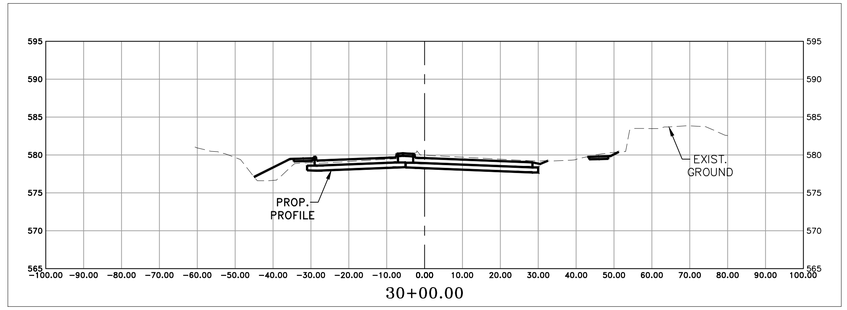

30+00.00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 7

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

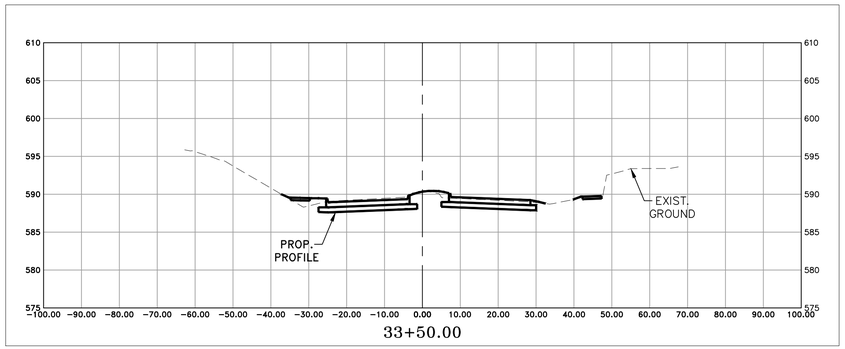
DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
129

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



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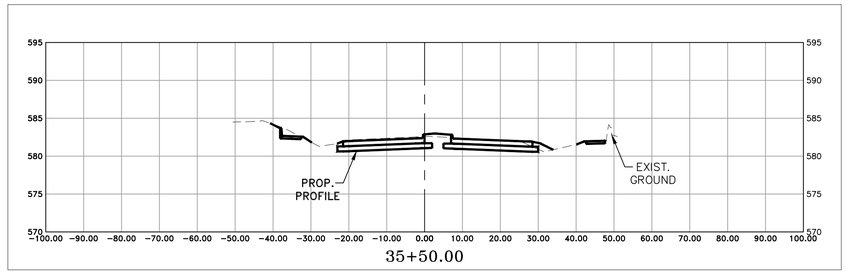

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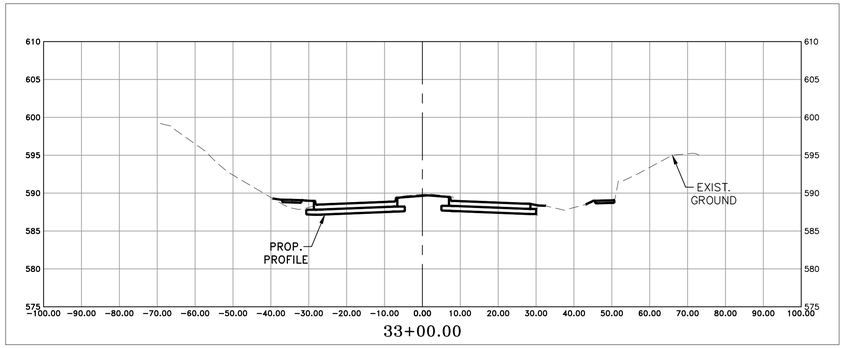

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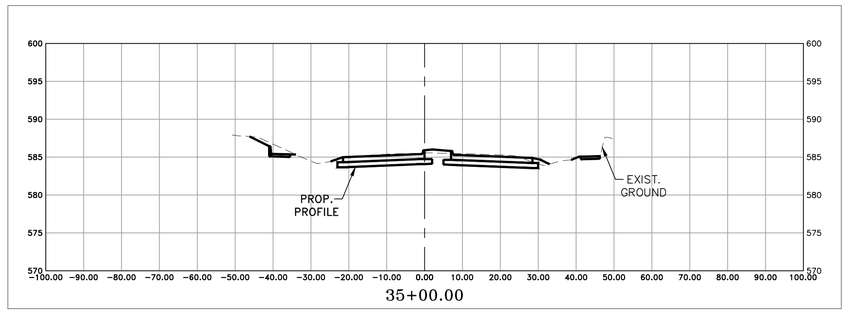

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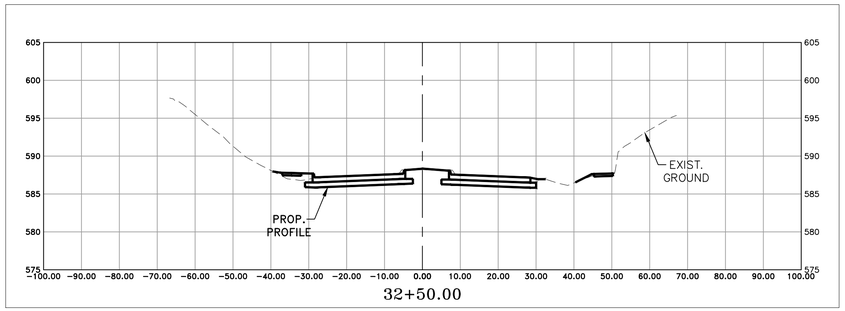

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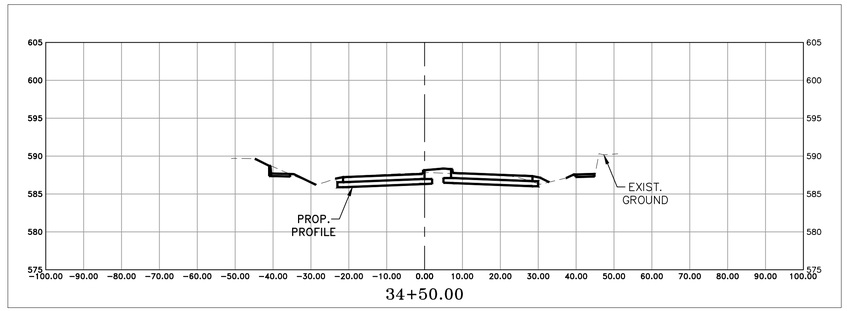

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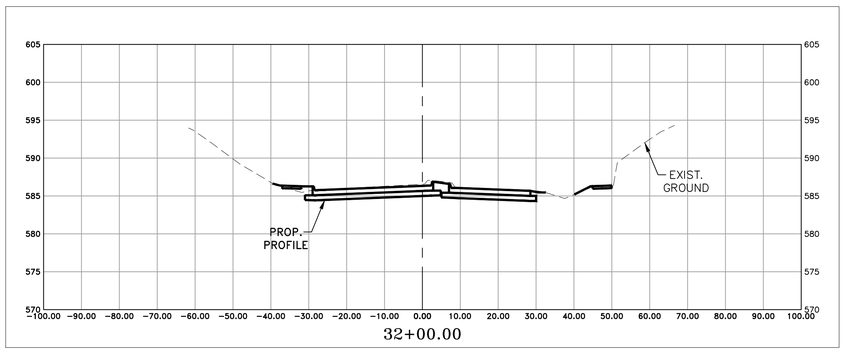

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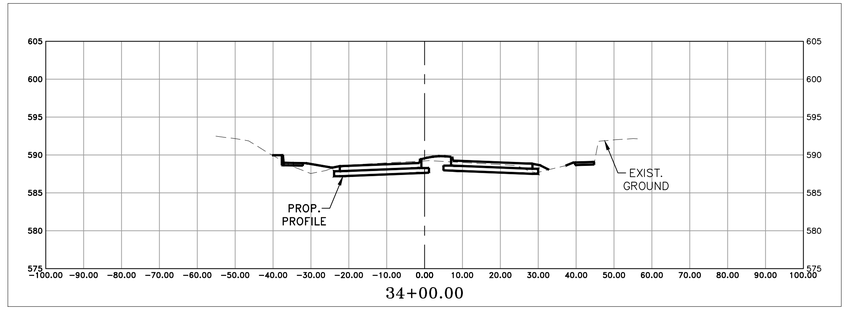

34+00.00

SCHAUMBURG & POLK, INC.
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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 8

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

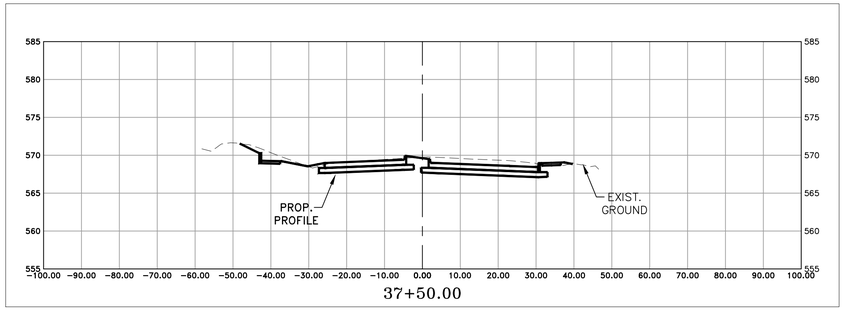
DRAWN BY:
SPI

REVIEWED BY:
JDW

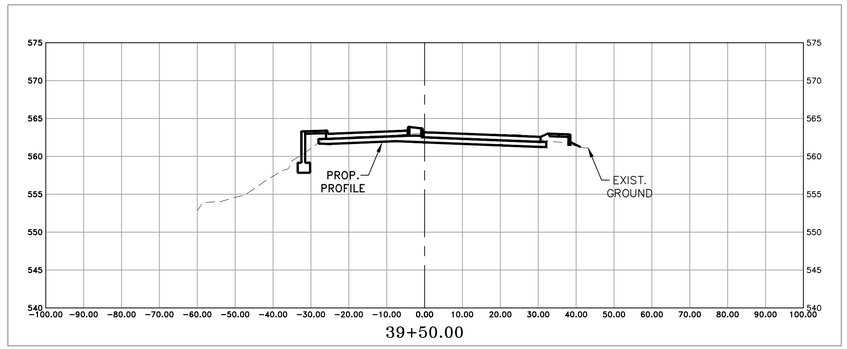
PROJECT NO:
23-2132

SHEET NO:
130

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



37+50.00



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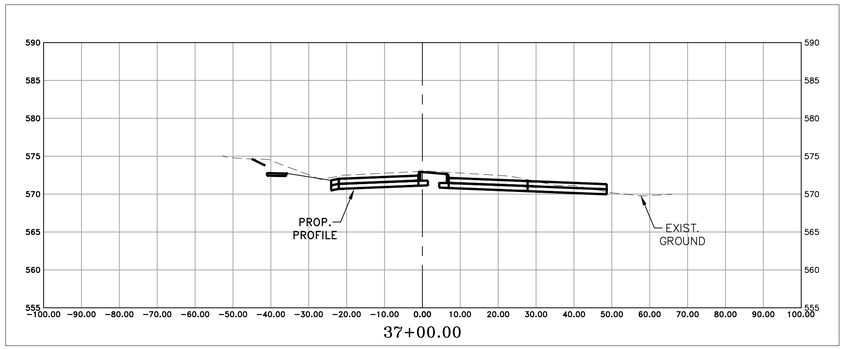

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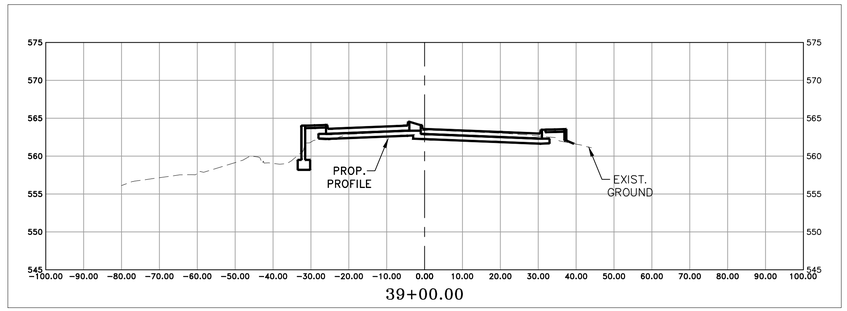

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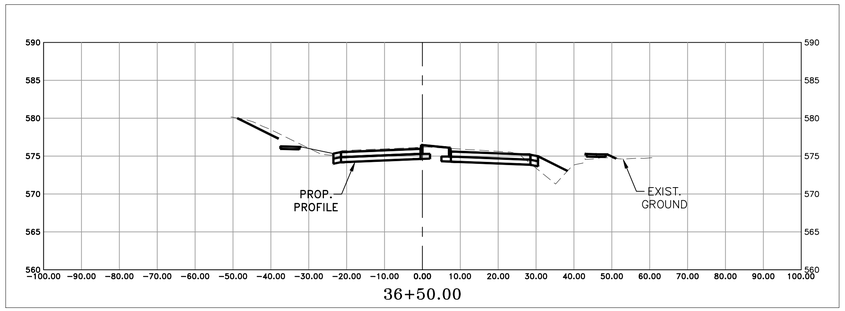

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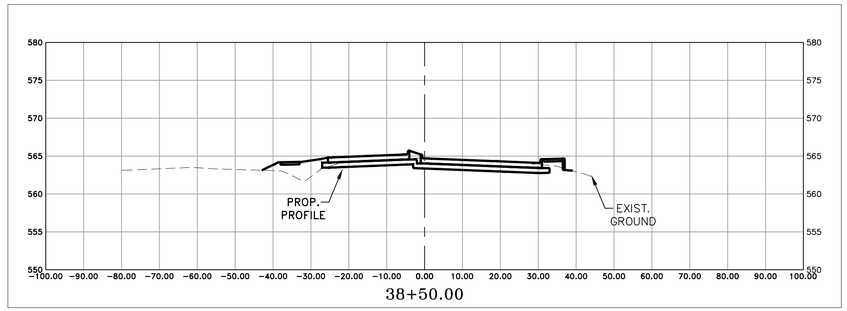

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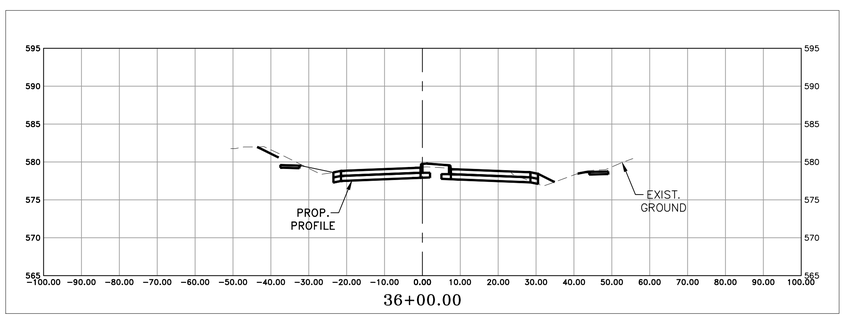

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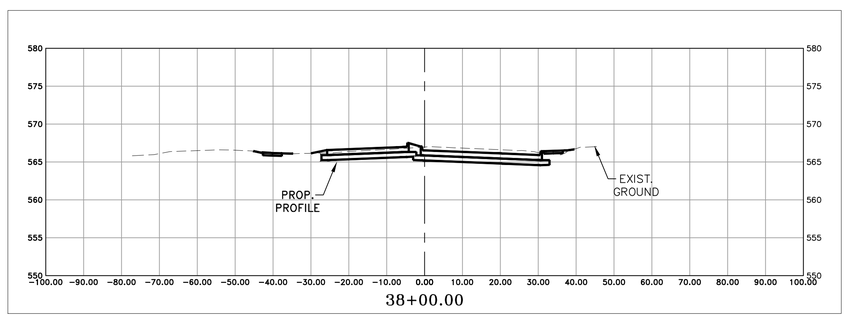

38+00.00

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Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

CITY OF HIGHLAND VILLAGE
HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 6

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE: 1" = 20'

DATE: SEPTEMBER 2026

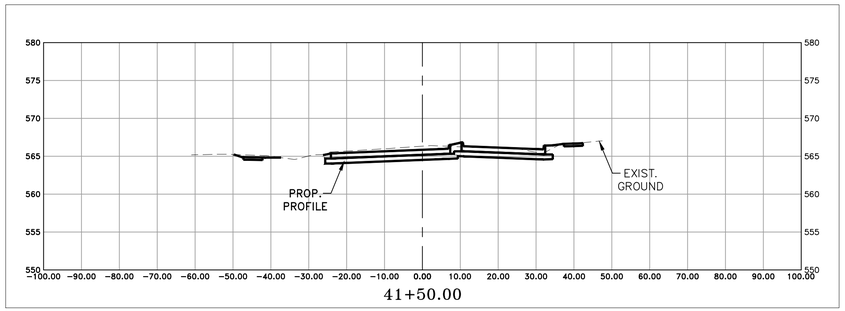
DRAWN BY: SPI

REVIEWED BY: JDW

PROJECT NO: 23-2132

SHEET NO: 131

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01



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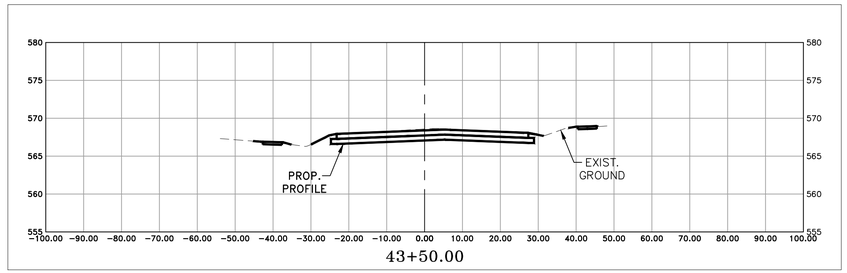
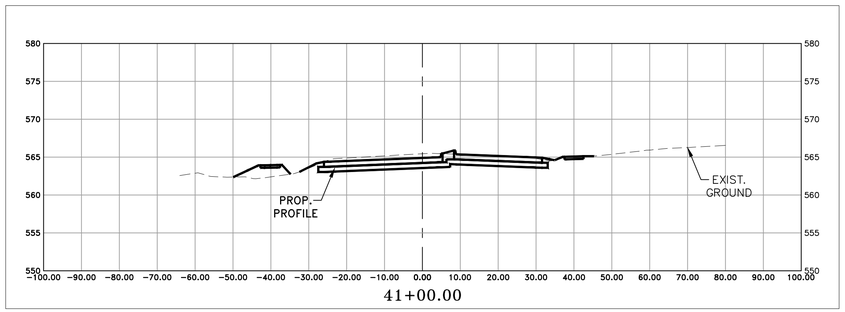


43+50.00



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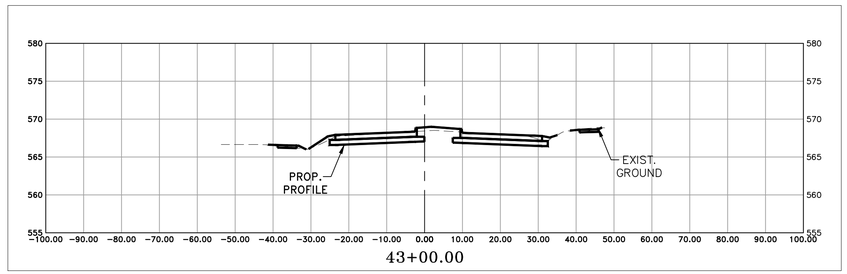

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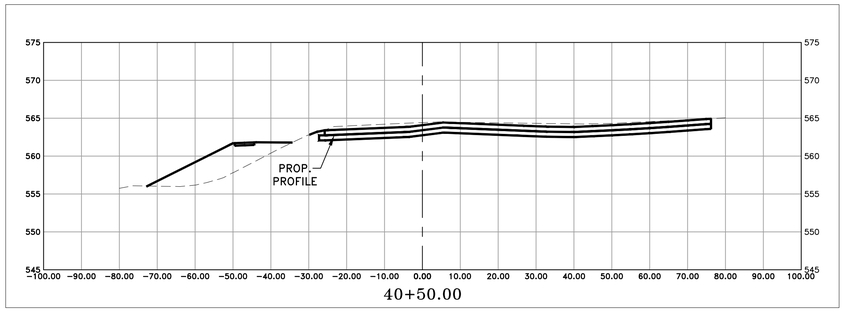

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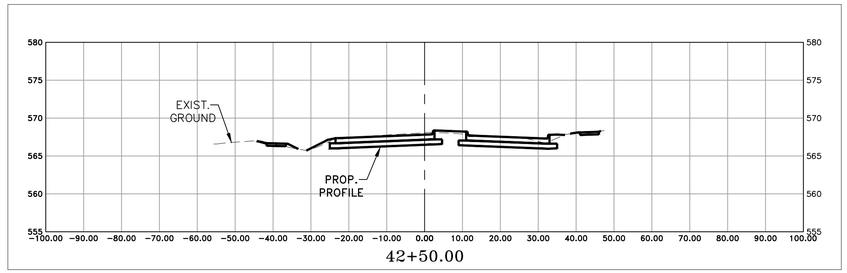

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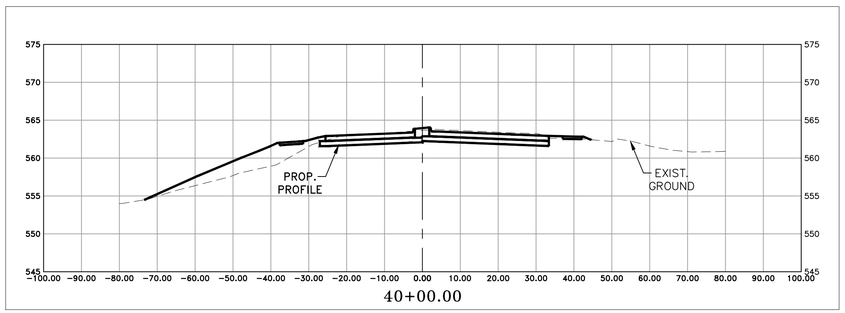

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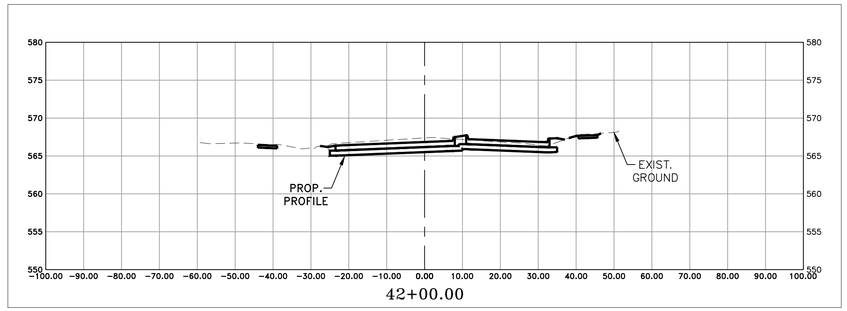

42+00.00

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01

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REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
STREET CROSS-SECTION
SHEET 10

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE:
1" = 20'

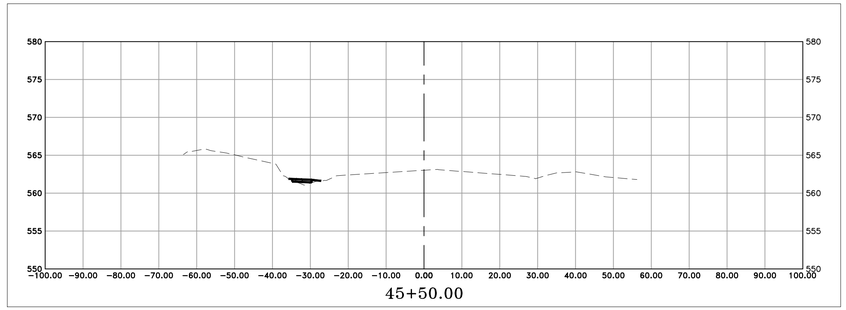
DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

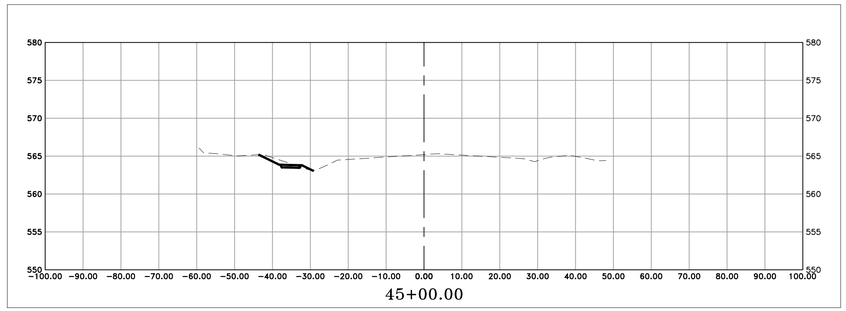
REVIEWED BY:
JDW

PROJECT NO:
23-2132

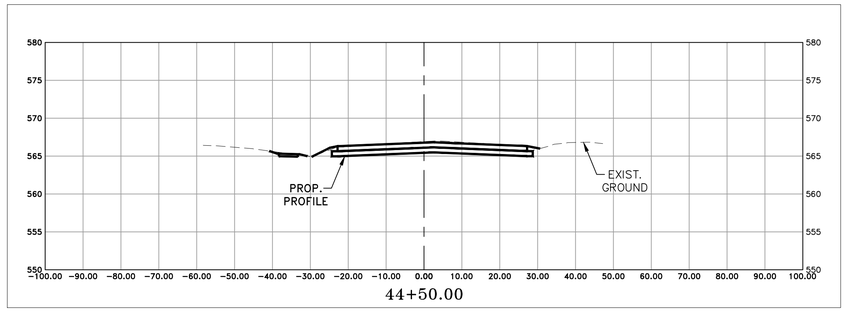
SHEET NO:
132



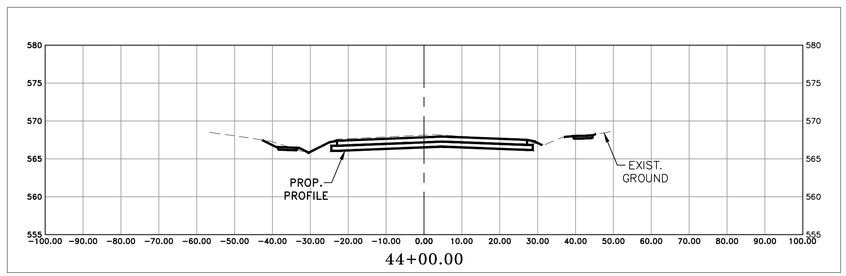
45+50.00



45+00.00



44+50.00



44+00.00

SCHAUMBURG & POLK, INC.
BEAUMONT I HOUSTON I RICHARDSON
KYLE I PORT ARTHUR I TERRELL I TYLER
2201 N. CENTRAL EXPRESSWAY, SUITE 205
Richardson, Texas 75080
(972) 864-8200 (T) (972) 864-8220 (F)
Firm Registration No. F-520

STATE OF TEXAS
JONATHAN D. WATKINS
130743
REGISTERED PROFESSIONAL ENGINEER
9-25-26

HIGHLAND SHORES BOULEVARD
RECONSTRUCTION PROJECT
(FROM TWIN COVE DRIVE/HILLSIDE DRIVE TO 200'± WEST OF LAKE COVE)
CROSS-SECTION
SHEET 11

CITY OF HIGHLAND VILLAGE

NO.:	DATE:	REVISION:	REVIEWED:
1			
2			
3			
4			
5			
6			
7			

SCALE:
1" = 20'

DATE:
SEPTEMBER 2026

DRAWN BY:
SPI

REVIEWED BY:
JDW

PROJECT NO:
23-2132

SHEET NO:
133

J:\23-2132 HIGHLAND SHORES REHAB\DRAWINGS DWG. NAME: 2132XSECTION01