

**GOVERNING SPECIFICATIONS**  
 BRYAN/COLLEGE STATION 2012 UNIFIED DESIGN GUIDELINE, MANUALS,  
 TECHNICAL SPECIFICATIONS, & STANDARD CONSTRUCTION DETAILS

# CONSTRUCTION PLANS

## FOR

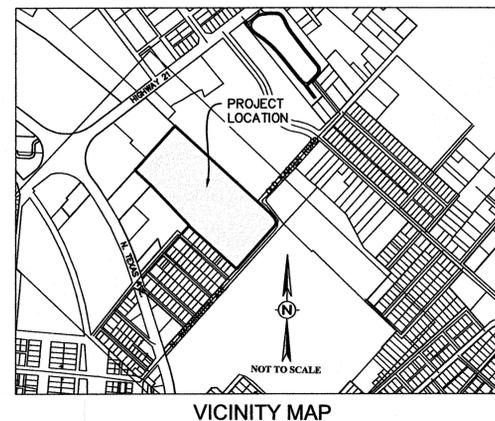
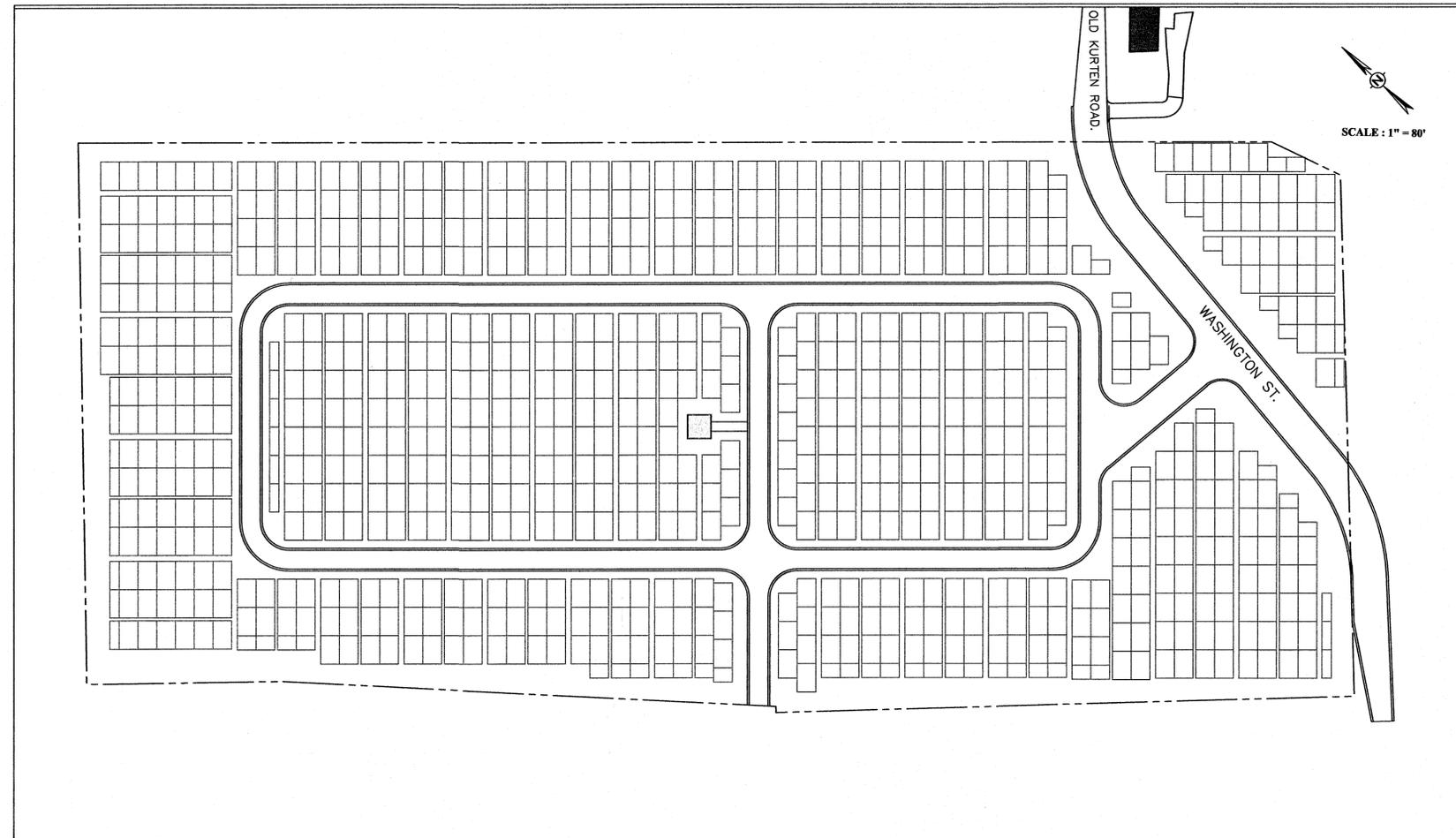
### CITY OF BRYAN - CEMETERY EXPANSION

### PROJECT # 572-D5-1303

### BRYAN, TX

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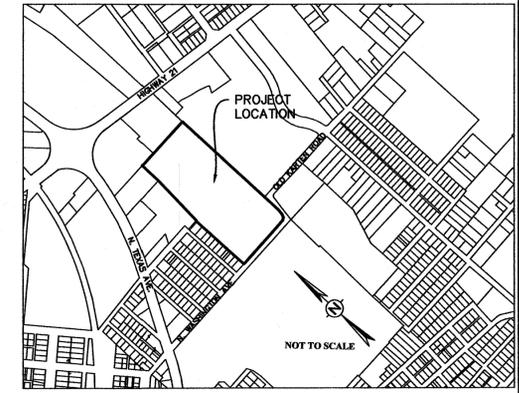
*Kent W. Laza* 10/19/2015  
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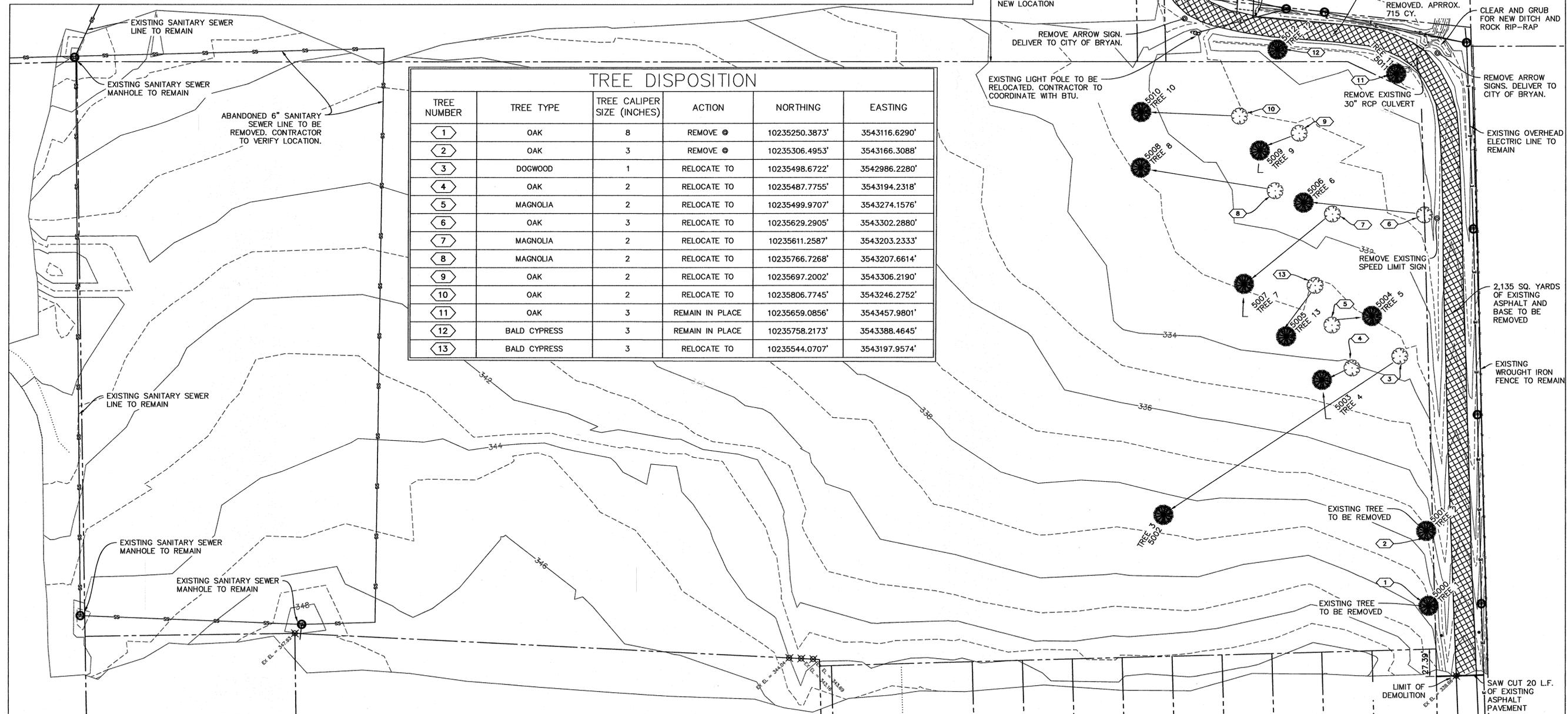
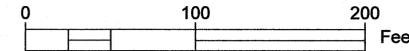
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 d.b.a. CIVIL ENGINEERING CONSULTANTS  
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 BRYAN, TEXAS 77802  
 TEL: (979) 846-6212  
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 REGISTRATION #F-2214

**CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. NOTIFICATION OF THE UTILITY COMPANIES 48 HOURS IN ADVANCE OF CONSTRUCTION IS REQUIRED.  
DIG TESS: (800) 344-8377  
ATMOS ENERGY: (800) 545-6005 (800) 344-8377  
SUDDEN LINK COMMUNICATIONS: (979) 846-2229  
VERIZON: (800) 344-8377  
BTU: (979) 821-5700  
CITY OF BRYAN PUBLIC WORKS: (979) 209-5900
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 CITY OF BRYAN/COLLEGE STATION STANDARD SPECIFICATIONS AND DETAILS. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY ENGINEER'S OFFICE.
3. THE CONSTRUCTION SHALL COMPLY WITH OSHA STANDARD 29 CFR PART 1926 SUBPART P FOR TRENCH SAFETY REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND THE PROPER REMOVAL/DISPOSAL OF ALL ABOVE AND BELOW GROUND ITEMS INCLUDING BUT NOT LIMITED TO CONCRETE CHANNELS, IRRIGATION PIPES, IRRIGATION APPARATUS, TREES, TRASH, AND MISCELLANEOUS DEBRIS. ALL DEMOLISHED ELEMENTS ARE TO BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. NO ON-SITE BURIAL OF DEBRIS OR DEMOLISHED ELEMENTS IS ALLOWED. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE THE EXISTING FACILITIES. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY COMPANIES REGARDING REMOVAL OF EXISTING SERVICES VERIFYING UTILITIES ARE SHUT OFF OR DISCONNECTED, AND ALL POSSIBLE SAFETY PRECAUTIONS HAVE BEEN ENACTED TO ENSURE THE SAFEST ENVIRONMENT FOR ALL PERSONNEL. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL THE PERMITTING AUTHORITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING FACILITIES FROM DAMAGE AND COST OF REPAIR TO EXISTING FACILITIES AND IMPROVEMENTS AS A RESULT OF THE CONTRACTOR'S WORK. ANY EXISTING PAVEMENT, CURBS, BUILDINGS, SIGNS, SIDEWALKS, WALLS, FENCES, UTILITY INFRASTRUCTURE, TREES, AND ETC. DAMAGED OR REMOVED WILL BE REPAIRED/REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
6. LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN WERE DERIVED FROM BEST AVAILABLE SOURCES AND FIELD SURVEYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION, DEPTH, AND SIZES OF ALL UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION AND SHALL BE LIABLE FOR ANY DAMAGES OR DOWN TIME CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES ELECTRICAL, CABLE AND PHONE LINE EXTENSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PRIMARY AND SECONDARY UTILITY TRENCHING AND CONDUIT INSTALLATIONS AS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR FINAL LOCATIONS. UNDERGROUND UTILITY LINES SHOWN ON THE PLANS CONSTITUTE AN ATTEMPT BY THE ENGINEER TO LOCATE THESE UTILITIES FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL ANY FIELD CHANGES IN THE STORM DRAIN LINE GRADES TO ACHIEVE THE DESIGN REQUIRED. ANY OTHER WORK REQUIRED TO ACCOMPLISH THESE CHANGES IN GRADE WILL BE INCLUDED IN THE PRICE OF THE LINE IN PLACE. ANY DAMAGE TO CITY OR PRIVATE UTILITY LINES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, THE CITY AND/OR APPROPRIATE UTILITY COMPANY. REPAIRS TO THESE UTILITY LINES WILL BE AT THE DIRECTION OF THE CITY AND/OR THE UTILITY COMPANY AFFECTED AND WILL BE AT THE CONTRACTORS EXPENSE.
7. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A SITE VISIT TO DETERMINE THE FULL EXTENT OF DEMOLITION REQUIRED TO ACCOMMODATE NEW WORK, WHETHER SPECIFICALLY SHOWN IN DRAWINGS OR NOT. NOTIFY ENGINEER IMMEDIATELY WITH QUESTIONS REGARDING STATUS OF ANY SPECIFIC ITEMS NOT IDENTIFIED ON PROJECT DRAWINGS.
8. THE CONTOURS SHOWN REFLECT THE EXISTING GROUND SURFACE.



SCALE  
1" = 50' / 24 X 36



| TREE DISPOSITION |              |                            |                 |                |               |
|------------------|--------------|----------------------------|-----------------|----------------|---------------|
| TREE NUMBER      | TREE TYPE    | TREE CALIPER SIZE (INCHES) | ACTION          | NORTHING       | EASTING       |
| 1                | OAK          | 8                          | REMOVE          | 10235250.3873' | 3543116.6290' |
| 2                | OAK          | 3                          | REMOVE          | 10235306.4953' | 3543166.3088' |
| 3                | DOGWOOD      | 1                          | RELOCATE TO     | 10235498.6722' | 3542986.2280' |
| 4                | OAK          | 2                          | RELOCATE TO     | 10235487.7755' | 3543194.2318' |
| 5                | MAGNOLIA     | 2                          | RELOCATE TO     | 10235499.9707' | 3543274.1576' |
| 6                | OAK          | 3                          | RELOCATE TO     | 10235629.2905' | 3543302.2880' |
| 7                | MAGNOLIA     | 2                          | RELOCATE TO     | 10235611.2587' | 3543203.2333' |
| 8                | MAGNOLIA     | 2                          | RELOCATE TO     | 10235766.7268' | 3543207.6614' |
| 9                | OAK          | 2                          | RELOCATE TO     | 10235697.2002' | 3543306.2190' |
| 10               | OAK          | 2                          | RELOCATE TO     | 10235806.7745' | 3543246.2752' |
| 11               | OAK          | 3                          | REMAIN IN PLACE | 10235659.0856' | 3543457.9801' |
| 12               | BALD CYPRESS | 3                          | REMAIN IN PLACE | 10235758.2173' | 3543388.4645' |
| 13               | BALD CYPRESS | 3                          | RELOCATE TO     | 10235544.0707' | 3543197.9574' |

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DRAWN BY: SJH  
APPROVER: KML  
JOB NO: E0608600

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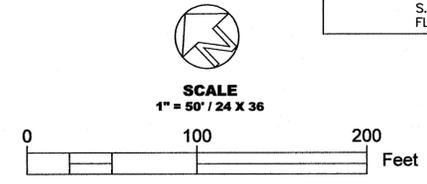
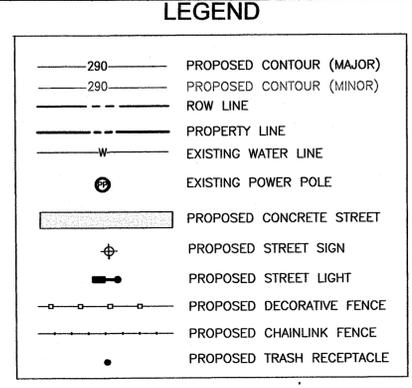
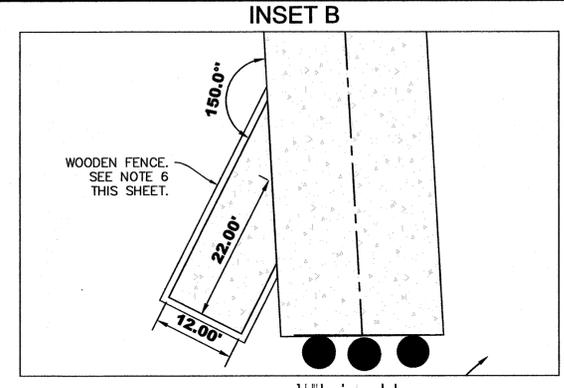
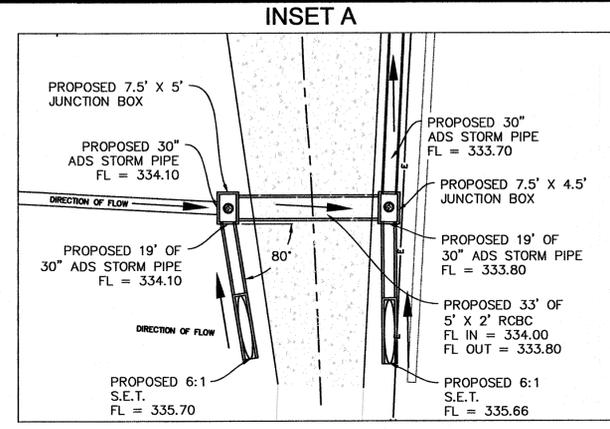
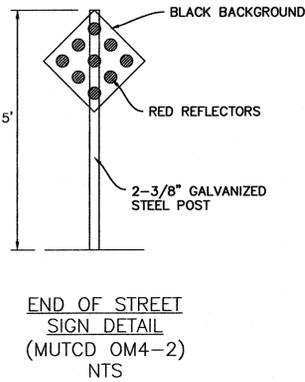
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CITY OF BRYAN  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
DEMOLITION PLAN

SHEET NO.  
**C1.0**

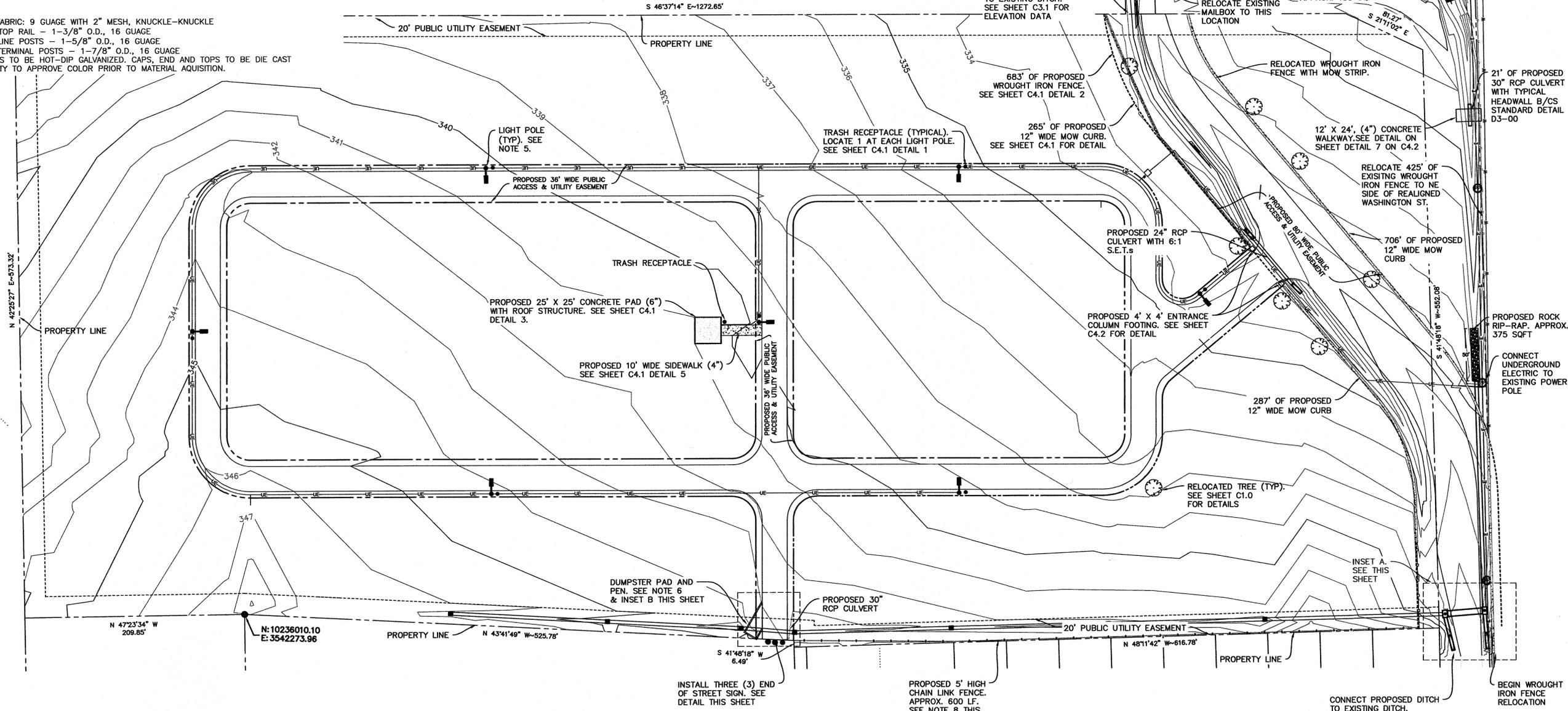
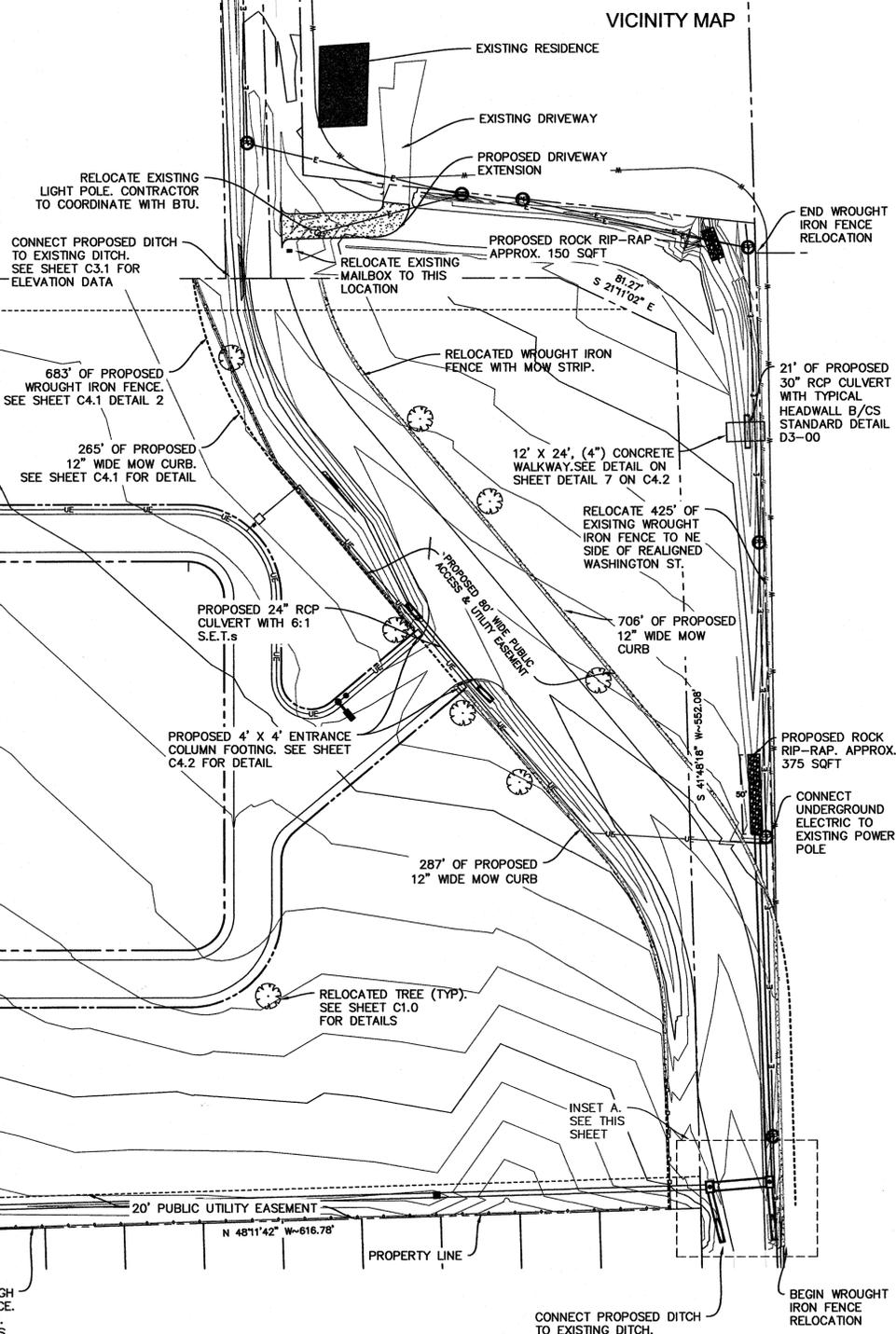
**CONSTRUCTION NOTES:**

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ATMOS ENERGY: (800) 545-6005  
(800) 344-8377  
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VERIZON: (800) 344-8377
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 CITY OF BRYAN/COLLEGE STATION STANDARD SPECIFICATIONS AND DETAILS. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY ENGINEER'S OFFICE.
- THE CONSTRUCTION SHALL COMPLY WITH OSHA STANDARD 29 CFR PART 1926 SUBPART P FOR TRENCH SAFETY REQUIREMENTS.
- BASIS OF BEARINGS IS THE MONUMENTED N.W. LINE OF WASHINGTON STREET (OLD KURTEN ROAD) DESCRIBED IN VOL. 1532, PG. 291 OF THE OFFICIAL RECORDS OF BRAZOS COUNTY, TEXAS. RECORD BEARING: S 41°48'18"W.
- LIGHT POLE TO BE UNIVERSE COLLECTION, BLACK, POWDER COAT FINISH, METAL HALIDE (50W), TYPE 2 HORIZONTAL REFLECTOR, SAG GLASS LENS, CATALOG # UCM-ST-STR-H2/175MH 240/DGN, SLA4 ARM, PR4 POLE TYPE, BCS-4 BASE COVER.
- DUMPSTER PAD TO BE A MINIMUM 6" THICK CONCRETE WITH #4 REINFORCING BARS 18" ON CENTER, CENTERED WITHIN THE PAVEMENT THICKNESS. PAD TO BE ENCLOSED BY GATED WOODEN FENCE WITH A 6.5' MINIMUM HEIGHT. CONTRACTOR TO SUBMIT FENCING TYPE FOR OWNER APPROVAL PRIOR TO INSTALLATION. GATES SHALL HAVE A MINIMAL WIDTH OF 12 FT WHEN OPEN, SHALL SWING 180 DEGREES FROM THE CLOSED POSITION, AND SHALL UTILIZE A POSITIVE-LOCKING MECHANISM WHILE IN THE OPEN POSITION.
- ALL PERMANENT ROCK RIP-RAP TO BE LIMESTONE USING GENERALLY 100 LB-250 LB PIECES W/ SMALLER ROCK FILLING VOIDS. ROCK TO BE INSTALLED TO 1.5' MIN. THICKNESS. INSTALL SOIL RETENTION FILTER FABRIC BENEATH ROCK PER TXDOT MATERIAL SPEC. DMS-6200, TYPE 2 (SUCH AS US 205NW NON WOVEN FILTER FABRIC AS MFD BY US FABRICS). RUBBLE TO BE HAND PLACED PROVIDING A NEAT, UNIFORM, TIGHT SURFACE IN ACCORDANCE W/ TXDOT SPEC. ITEM #432, STONE RIP-RAP (TYPE R). BROKEN CONCRETE MAY NOT BE USED FOR PERMANENT INSTALLATIONS. NO SOIL SHOULD BE VISIBLE THROUGH RIP-RAP.
- CHAIN-LINK ALUMINUM FENCE TO BE MASTER HALCO OR APPROVED EQUAL:  
HEIGHT: 5'  
CHAIN-LINK FABRIC: 9 GAUGE WITH 2" MESH, KNUCKLE-KNUCKLE  
FRAMEWORK: TOP RAIL - 1-3/8" O.D., 16 GAUGE  
LINE POSTS - 1-5/8" O.D., 16 GAUGE  
TERMINAL POSTS - 1-7/8" O.D., 16 GAUGE  
STEEL FITTINGS TO BE HOT-DIP GALVANIZED. CAPS, END AND TOPS TO BE DIE CAST ALUMINUM. CITY TO APPROVE COLOR PRIOR TO MATERIAL ACQUISITION.



SCALE: 1" = 20' / 24 X 36

**VICINITY MAP**



|              |          |
|--------------|----------|
| DESIGNED BY: | KML      |
| DRAWN BY:    | SJH      |
| APPROVED:    | KML      |
| JOB NO.:     | E0506800 |

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CITY OF BRYAN PROJECT # 572-D5-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
OVERALL SITE PLAN  
SHEET NO. C1.1



**SITE DESCRIPTION**

GENERAL LOCATION & DESCRIPTION:  
 OWNER INFORMATION:  
 PROJECT NAME: BRYAN CEMETERY EXPANSION  
 PROJECT LOCATION: APPROXIMATELY 18.145 ACRES LOCATED ADJACENT TO N. WASHINGTON ST. AND NORTHWEST OF THE EXISTING CEMETERY PROPERTY.  
 LATITUDE: 30.647182  
 LONGITUDE: -96.367824  
 TOTAL SITE AREA IS: 18.145 ACRES  
 TOTAL AREA OF SITE EXPECTED TO BE DISTURBED IS APPROXIMATELY 18 ACRES.  
 EXISTING SITE CONDITIONS:  
 LAND USE: VACANT  
 LAND COVER: GRASS, SCATTERED TREES/BRUSH  
 AVERAGE GROUND SLOPE: 2.0%  
 RATIONAL "C" FACTOR: 0.36  
 SOIL INFORMATION:  
 HYDROLOGIC SOIL GROUP: C&D

POST DEVELOPED SITE CONDITIONS:  
 LAND USE: GRAVESITE  
 RATIONAL COMPOSITE "C" FACTOR: 0.36

NATURE OF ACTIVITIES:  
 CLEARING OF EXISTING TREES & BRUSH; STRIPPING OF TOPSOIL; SITE CUT/FILL OPERATIONS; CONSTRUCTION OF STREETS, UTILITIES & DETENTION POND.

SEQUENCE OF MAJOR ACTIVITIES:  
 1. INSTALL SILT FENCE AT DOWNSTREAM LIMITS OF CONSTRUCTION AREA.  
 2. INSTALL ROCK CONSTRUCTION ENTRANCES (24"x30") WITH SEDIMENTATION TRAP.  
 3. CLEAR SITE.  
 4. EARTHWORK: SITE CUT/FILL, GRADING, UTILITY INSTALLATION, PAVING OPERATIONS.  
 5. AFTER ESTABLISHMENT OF GRASS, REMOVE ALL TEMPORARY EROSION CONTROL (SILT-FENCE/CONST. ENTRANCES); HYDROMULCH OR SOO ALL AREAS NOT HAVING PERMANENT GRASS COVERAGE AS DEFINED.

**GENERAL NOTES**

- ALL UTILITIES AND SERVICE LINES SHOWN ARE TAKEN FROM RECORD INFORMATION SUPPLIED BY THE UTILITY OWNER OR HORIZONTALLY LOCATED BY INDEPENDENT LOCATORS. CONTRACTOR IS RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN PLAN AND ACTUAL CONDITIONS PRIOR TO CONSTRUCTION. OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF INFORMATION OR DATA RELIED ON TO DEPICT UNDERGROUND FACILITIES. CONTRACTOR IS TO CONTACT OWNERS OF ALL UTILITIES AND SERVICE LINES WITHIN THE PROJECT AREA AND NOTIFY OF INTENT AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH FACILITY OWNERS. CONTRACTOR IS TO VERIFY THE EXACT LOCATION AND VERTICAL POSITIONING OF ALL PIPELINES, EXISTING UTILITIES, AND SERVICE LINES WITHIN THE PROJECT AREA WHETHER SHOWN ON THE PLANS OR NOT, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR IS TO MAINTAIN STRUCTURAL INTEGRITY OF ALL PIPELINES, ELECTRIC TRANSMISSION POLES AND LINES, PERMANENT AND TEMPORARY UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING UTILITIES, PAVEMENT, ETC. AS A RESULT OF CLEARING/CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO CONTACT DIG-TESS @ 800-545-6008 48 HOURS PRIOR TO CONSTRUCTION. SPECIFIC ATTENTION SHOULD BE PAID TO FRANCHISE UTILITIES, VERIZON, QTE, ETC. SHOULD A CONFLICT ARISE BETWEEN THE PROPOSED CONSTRUCTION AND AN EXISTING UTILITY, CONTACT CEC 48 HOURS PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS NOT TO BE PAVED ARE TO HAVE ESTABLISHMENT OF GRASS AS OUTLINED IN THE DESCRIPTION OF CONTROLS, STABILIZATION PRACTICES NOTES.
- ALL SMALL AREAS (BOTTOM WIDTHS & SIDE SLOPES) ARE TO BE PREPARED AND HYDROMULCHED FOR PERMANENT ESTABLISHMENT OF VEGETATION. PRIOR TO HYDROMULCHING OPERATIONS, CONTRACTOR TO REPLACE TOPSOIL TO A DEPTH OF 6". TOPSOIL IS TO BE DISKED TO A DEPTH OF AT LEAST 4" AND LIGHTLY COMPACTED. FINAL GRADES WITH ESTABLISHED VEGETATION SHALL BE AS CALLED OUT ON THE GRADING PLAN.
- CONTRACTOR IS REQUIRED GENERATE, SUBMIT, AND MAINTAIN EROSION CONTROL PLAN, SWPPP, AND NOT THROUGHOUT DURATION OF THE PROJECT AND UNTIL VEGETATION IS ESTABLISHED. INSURE SEDIMENT IS NOT TRANSPORTED DOWNSTREAM FROM PROJECT VIA HAY BALES, BRUSH PILES, AND SILT FENCES. IF PERMANENT EROSION IS OBSERVED IN THE FIELD, ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED.
- CONTRACTOR SHALL NOT ALLOW SEDIMENT TO ENTER THE DOWNSTREAM CHANNEL. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OF THE DOWNSTREAM CHANNEL AREAS AND RESTORING TO ORIGINAL CONDITION, INCLUDING ESTABLISHMENT OF VEGETATION. SHOULD CONSTRUCTION SEDIMENT BE FOUND OUTSIDE THE LIMITS OF CONSTRUCTION.
- CONSTRUCTION EXITS AND ASSOCIATED SEDIMENT TRAPS ARE TO BE CLEANED REGULARLY. CONTRACTOR TO INSURE NO TRACKING ON TO EXISTING CITY OR STATE ROADWAYS. IF TRACKING OCCURS CONTRACTOR IS TO INSURE THAT MUD IS NOT ALLOWED TO REMAIN BEYOND THE END OF EACH WORK DAY.
- SEDIMENT IS TO BE CLEANED FROM SILT FENCING OR OTHER SEDIMENT CONTROL DEVICES WHEN DEPTH OF SEDIMENT REACHES ~1/2 TOTAL HEIGHT OF DEVICE. CONTRACTOR IS TO INSURE EROSION CONTROL DEVICES ARE CONSISTENTLY INSTALLED AND PROPERLY MAINTAINED.
- IN AREAS ADJACENT TO POND AND CHANNEL SIDE SLOPES, PROVIDE A MINIMUM 8" HIGH MOUND OF EARTH MATERIAL AT THE TOP OF ALL SLOPES. MAINTAIN MOUND UNTIL VEGETATION IS COMPLETELY ESTABLISHED ON SIDE SLOPE THEN REMOVE/PREPARE TO A SMOOTH SURFACE CONSISTENT WITH ADJACENT GRADES TO ALLOW FOR POSITIVE DRAINAGE INTO THE POND OR CHANNEL AREAS.
- PRIOR TO FINAL COMPLETION, STORM SEWER INLET IS TO BE CLEANED OF DEBRIS AND SEDIMENT.

**DESCRIPTION OF CONTROLS**

EROSION AND SEDIMENT CONTROL:  
 1. SILT FENCE  
 2. ROCK CONSTRUCTION ENTRANCE  
 3. SEDIMENT TRAP  
 4. GRAVEL FILTER BAGS

INSTALL EROSION & SEDIMENT CONTROL DEVICES PER DETAILS HEREON.

SEDIMENT MUST BE REMOVED FROM SEDIMENT CONTROL DEVICES PRIOR TO SEDIMENT REACHING 1/2 THE HEIGHT OF THE DEVICE OR STRUCTURE.

IF SEDIMENT ESCAPES FROM THE SITE AREA, ACCUMULATIONS MUST BE REMOVED AT A FREQUENCY TO MINIMIZE FURTHER NEGATIVE EFFECTS, AND WHENEVER FEASIBLE, PRIOR TO THE NEXT RAIN EVENT.

STABILIZATION PRACTICES:  
 TEMPORARY STABILIZATION: ALL STOCK PILES AND OTHER DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES TEMPORARILY CEASE FOR AT LEAST 21 DAYS WILL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.  
 PERMANENT STABILIZATION: ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE SOODED OR HYDROMULCH SEEDED (AS PER PLAN) FOR PERMANENT EROSION CONTROL. NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN ACCORDANCE WITH TPOD 162/164. PRIOR TO FINAL REVEGETATION, CONTRACTOR IS TO REPLACE TOPSOIL TO A DEPTH OF 6". TOPSOIL IS TO BE DISKED TO A DEPTH OF AT LEAST 4" AND LIGHTLY COMPACTED.  
 HYDROMULCH: TO BE "EXCEL FIBERMULCH 1 W/ TACKIFIER - APPLICATION RATE OF 2500 LBS/ACRE GRASS SEED AND FERTILIZER TO BE INCORPORATED INTO SLURRY."  
 SOO SEED MIX: SUMMER-HARVEST COMMON BERBERIA GRASS, MIN. 85% PURE LIVE SEED @ 90 LBS. PER ACRE.  
 WINTER-UNHILLED COMMON BERBERIA GRASS, MIN. 85% PURE LIVE SEED @ 90 LBS. PER ACRE + ANNUAL RYE GRASS, MIN. 85% PURE LIVE SEED @ 175 LBS. PER ACRE.  
 FERTILIZER: 3-1-2 RATIO FERTILIZER W/ SULFUR & TRACE ELEMENTS @ 350 LBS PER ACRE.

MAINTENANCE: SHALL CONSIST OF WEEDING, FERTILIZING, INSECT CONTROL, WATERING, REPAIRING, MOVING, MAINTAINING OF EXISTING GRASSES, AND REPAIR OF ANY EROSION DAMAGES FOR ALL AREAS WHERE SEEDING AND MULCHING WORK IS COMPLETED. MAINTENANCE TO BE CONDUCTED DURING THE PLANTING PERIOD THRU 90 DAYS AFTER THE WORK IS COMPLETED, INSPECTED AND APPROVED BY THE ENGINEER AND OWNER.

GUARANTEE: CONTRACTOR IS RESPONSIBLE FOR WATERING, MAINTENANCE AND REVEGETATION OF GRASS FOR A PERIOD OF 90 DAYS AFTER FINAL REVEGETATION APPLICATION FOR PERMANENT EROSION CONTROL. CONTRACTOR IS TO GUARANTEE ALL PLANTED MATERIAL, GROWTH AND COVERAGE FOR A PERIOD OF 6 MONTHS. GROWTH AND COVERAGE SHALL BE DEFINED AS 80% OF THE PLANTED AREA WITH UNIFORM COVERAGE OF GRASS GREATER THAN 1" IN HEIGHT WITH NO BARE SPOTS GREATER THAN 2 SQUARE FEET.

PROVIDE A SECOND APPLICATION OF SPECIFIED SOO OR HYDROMULCH SEEDING (AS PER PLAN) TO BARE AREAS NOT MEETING SPECIFIED COVERAGE - TO BE PERFORMED WITHIN 90 DAYS OF INITIAL APPLICATION AND IMMEDIATELY UPON NOTIFICATION BY THE ENGINEER TO REPLANT.

RECORD KEEPING: CONTRACTOR IS RESPONSIBLE FOR RECORDING & MAINTAINING THE FOLLOWING:  
 1. DATES WHEN MAJOR GRADING ACTIVITIES OCCUR  
 2. DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE  
 3. DATES WHEN STABILIZATION MEASURES ARE INITIATED.

RECORDS MUST BE KEPT WITH THE SWPP3 AND MADE READILY AVAILABLE UPON REQUEST TO THE PARTIES IN PART 161.1 OF THE TPODS GENERAL PERMIT 16150000.

STRUCTURAL CONTROL PRACTICES:  
 TEMPORARY EROSION CONTROLS TO INCLUDE INSTALLATION OF SILT FENCE, GRAVEL FILTER BAGS AND CONSTRUCTION ENTRANCES; CONTRACTOR SHALL PREVENT TRANSPORT OF SEDIMENT TO DOWNSTREAM AREAS AND IS RESPONSIBLE FOR CLEANUP AND RESTORATION IF SUCH SHOULD OCCUR.

**CERTIFICATIONS & RESPONSIBLE PARTIES**

SILT FENCE TO BE INSTALLED PER DETAIL AT TOE OF DOWNHILL SLOPES AS SHOWN ON PLAN. HAY BALE CHECK STRUCTURES (IF NEEDED) ARE TO BE INSTALLED PER PLAN AT UPSTREAM END OF OUTLET WORKS.

ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED UNTIL ESTABLISHMENT OF GRASS OCCURS.

PERMANENT STORM WATER CONTROLS:  
 STORM WATER WILL DRAIN TO THE PROJECT SPECIFIC DETENTION POND AND DRAINAGE FACILITY. STORM WATER DETENTION WILL BE PROVIDED ON-SITE AS SHOWN HEREON.

OTHER CONTROLS:  
 OFF-ROAD VEHICLE TRACKING:  
 CONTRACTOR IS TO INSURE NO CONSTRUCTION DEBRIS OR MUD IS TRACKED OR DISCARDED ONTO ANY PUBLIC OR PRIVATE STREETS OR LANDS AND IS RESPONSIBLE FOR CLEANUP AFTER EACH DAY'S WORK.  
 INSTALL ROCK CONSTRUCTION ENTRANCES AS INDICATED WITH CURB PROTECTION. CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGE DONE TO EXISTING STREETS OR INFRASTRUCTURE.

WASTE MATERIALS:  
 ALL WASTE MATERIALS ARE TO BE DISPOSED PROPERLY OF THE CONTRACTOR AND ARE TO BE REMOVED AND DISPOSED OF OFF-SITE, NO ON-SITE BURNING OF WASTE MATERIALS IS ALLOWED. AT THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL GATHER AND COLLECT ALL RUBBISH AND DEBRIS AND STORE IN AN ACCEPTABLE MANNER WHICH PREVENTS MATERIALS FROM BEING BLOWN OR OTHERWISE REDISTRIBUTED ACROSS THE SITE OR ADJACENT LANDS OR WATER COURSES.

HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF AS PER LOCAL OR STATE REGULATIONS AND IN ACCORDANCE WITH MFR'S SPECIFICATIONS.

TIMING OF CONTROLS/MEASURES:  
 > INSTALL ROCK CONSTRUCTION ENTRANCES  
 > DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS ARE TO BE STABILIZED WITH HYDROMULCH SEEDING OR BRIDGECROSS SEEDING (AS PER PLAN) NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.  
 > DURING CLEARING/GRADING ACTIVITIES, SEDIMENT COLLECTING AT CHECK STRUCTURES AND SILT FENCE SHALL BE REMOVED AS IT REACHES 1/2 THE HEIGHT OF THE STRUCTURE.  
 > ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE HYDROMULCH SEEDED OR BRIDGECROSS SEEDING (AS PER PLAN) FOR PERMANENT EROSION CONTROL NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY.

INSPECTION OF CONTROLS:  
 IN THE EVENT OF FLOODING OR OTHER UNCONTROLLABLE SITUATIONS WHICH PROHIBIT ACCESS TO THE INSPECTION SITES, INSPECTIONS MUST BE CONDUCTED AS SOON AS ACCESS IS PRACTICABLE.

CONTRACTOR PERSONNEL FAMILIAR WITH THE SWPP3 MUST INSPECT DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS EXPOSED TO PRECIPITATION, AND STRUCTURAL CONTROLS FOR EVIDENCE OF, OR POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. SEDIMENT AND EROSION CONTROL DEVICES MUST BE INSPECTED TO ENSURE PROPER OPERATION, VEHICLE ENTRANCE/EXIT LOCATIONS MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

INSPECTIONS MUST BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS OR ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN TWENTY FOUR (24) HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.

THE SWPP3 MUST BE MODIFIED BASED ON RESULTS OF INSPECTIONS, AS NECESSARY, TO BETTER CONTROL POLLUTANTS IN RUNOFF. REVISIONS TO THE SWPP3 TO BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION IN ACCORDANCE WITH THE TPODS GENERAL PERMIT.

A FOLLOW UP ACCORDANCE WITH THE TPODS GENERAL PERMIT MUST BE MAINTAINED BY THE CONTRACTOR AND RETAINED AS PART OF THE SWPP3.

**CERTIFICATIONS & RESPONSIBLE PARTIES**

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

THIS EROSION CONTROL AND STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED IN ACCORDANCE WITH CURRENT: CITY OF BRYAN (GENERAL POLICY, CITY OF BRYAN STORM WATER POLLUTION PREVENTION POLICY, DCA REQUIREMENTS FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER A NON-GENERAL PERMIT, USAGE 33 CFR, & SECTION 404 OF THE CLEAN WATER ACT & TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) GENERAL PERMIT NO. 19190000 AS ADMINISTERED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).

NON-STORM WATER DISCHARGES: -NONE EXPECTED-

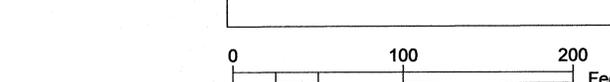
MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:  
 > ALL CONTROL MEASURES TO BE INSPECTED BY CONTRACTOR AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS OR ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN TWENTY FOUR (24) HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER  
 > MAINTAIN RECORDS AND REPORTS ACCORDING TO EPA CONSTRUCTION GENERAL PERMIT CHECKLIST.  
 > ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER WITH REPAIR BEING INITIATED WITHIN 24 HOURS OF REPORT.  
 > BUILT UP SEDIMENT SHALL BE REMOVED FROM CHECK STRUCTURES AND SILT FENCE WHEN IT HAS REACHED 1/2 THE HEIGHT OF THE STRUCTURE.  
 > SILT FENCE AND HAY BALES TO BE INSPECTED FOR PROPER INSTALLATION AND THAT NO PIPING OR UNDERMINING IS OCCURRING.  
 > TEMPORARY SEEDING TO BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND COVERAGE - RE-SEED AS NECESSARY  
 > PERMANENT HYDROMULCH SEEDING & SOODED TO BE INSPECTED PER GUARANTEE.

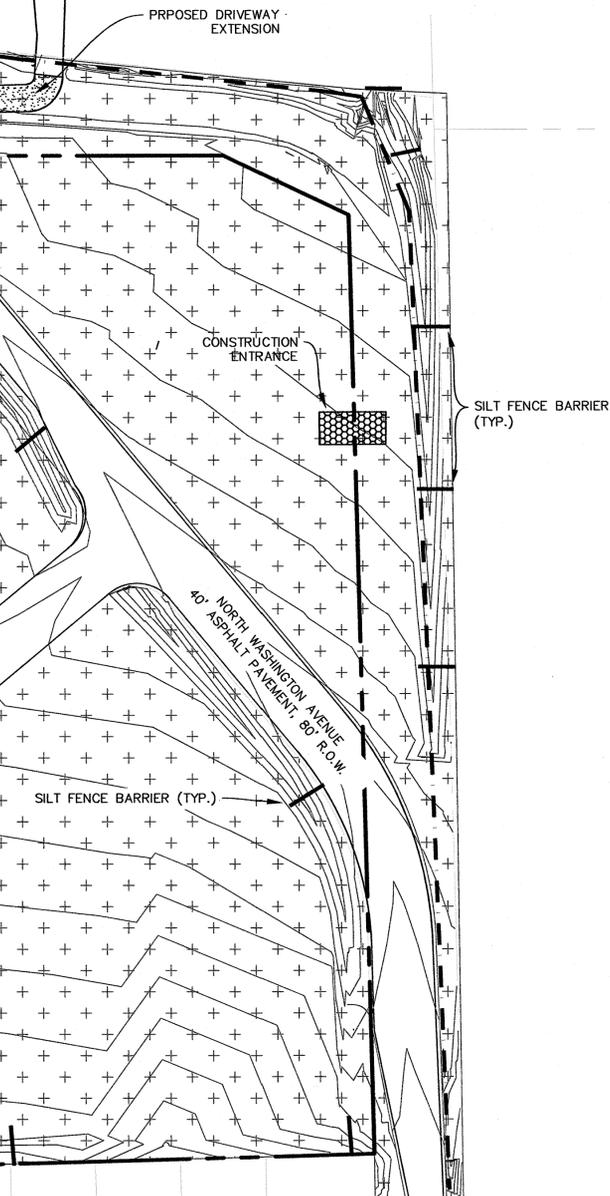
| SIGNATURE<br>(NAME, TITLE, & DATE) | FOR<br>(COMPANY & ADDRESS) | RESPONSIBLE FOR                         |
|------------------------------------|----------------------------|---|
|                                    |                            | CLEARING                                |
|                                    |                            | TEMPORARY CONTROLS & STABILIZATION      |
|                                    |                            | PERMANENT STABILIZATION (RE-VEGETATION) |

**LEGEND**

- 290--- PROPOSED CONTOUR (MAJOR)
- 290--- PROPOSED CONTOUR (MINOR)
- --- ROW LINE
- --- PROPERTY LINE
- [Symbol] HAY BALE CHECK DAM
- [Symbol] CONSTRUCTION EXIT
- [Symbol] SILT FENCE
- [Symbol] SILT FENCE BARRIER
- [Symbol] PROPOSED HMAC
- [Symbol] PROPOSED STREET SIGN
- [Symbol] PROPOSED STREET LIGHT
- [Symbol] INLET PROTECTION (SAND BAGS)
- [Symbol] PROPOSED HYDROMULCH



SCALE  
 1" = 50' / 24 X 36



DESIGNED BY: KML  
 DRAWN BY: SJH  
 APPROVED: KML  
 JOB NO.: E060600

D O N D U R D E N I N C  
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 4101 S. TEXAS AVE., SUITE A  
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 FAX.: (817) 846-8252  
 REGISTRATION #F-2214



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY  
 STATE OF TEXAS  
 BOB LUTZ, PL.  
 65923  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY  
 STATE OF TEXAS  
 BOB LUTZ, PL.  
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 REGISTERED PROFESSIONAL ENGINEER  
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 STATE OF TEXAS  
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 65923  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

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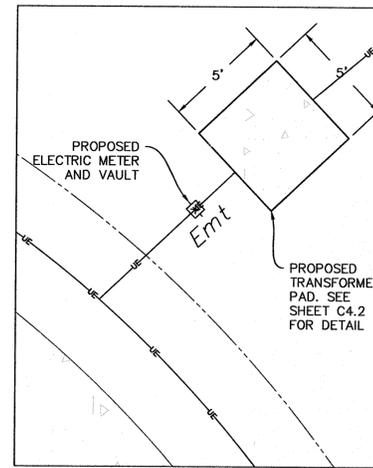
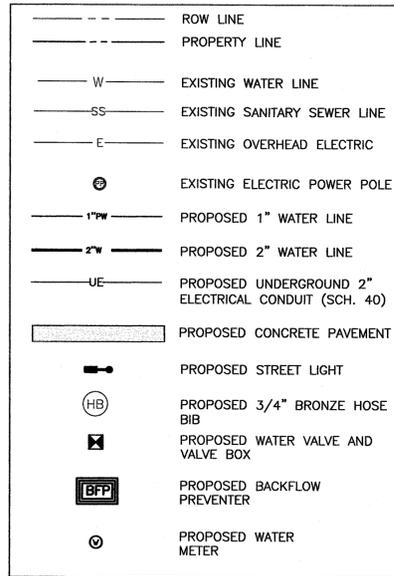
CITY OF BRYAN PROJECT # 572-D5-1803  
 CITY OF BRYAN - CEMETERY EXPANSION  
 BRYAN, TX  
 EROSION CONTROL PLAN



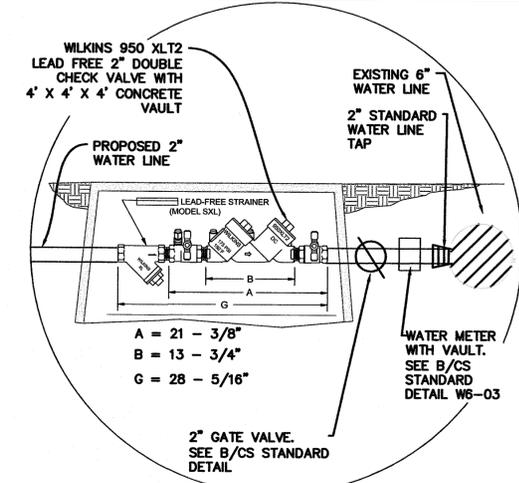
CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. NOTIFICATION OF THE UTILITY COMPANIES 48 HOURS IN ADVANCE OF CONSTRUCTION IS REQUIRED.  
DIG TESS: (800) 344-8377  
ATMOS ENERGY: (800) 545-6005  
(800) 344-8377  
SUDDEN LINK COMMUNICATIONS: (979) 846-2229  
VERIZON: (800) 344-8377
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 CITY OF BRYAN/COLLEGE STATION STANDARD SPECIFICATIONS AND DETAILS. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE CITY ENGINEER'S OFFICE.
3. THE CONSTRUCTION SHALL COMPLY WITH OSHA STANDARD 29 CFR PART 1926 SUBPART P FOR TRENCH SAFETY REQUIREMENTS.
4. HOSE BIBS TO BE NIBCO 3/4" QUARTER TURN, BRASS (PART NO. NB52CH8) OR APPROVED EQUAL. ALL HOSE BIBS TO BE LOCATED IN STANDARD FIBERGLASS VALVE BOX INSTALLED FLUSH WITH FINISHED GRADE. SEE SHEET C4.2 FOR CONFIGURATION DETAIL.
5. ALL WATER LINES TO BE INSTALLED AT A MINIMUM 18" BURY DEPTH UNLESS OTHERWISE NOTED. WATERLINES AND APPURTENANCES TO BE PVC, SCHEDULE 40 ASTM D 2466.
6. SEE SHEET C4.2 DETAIL 9 FOR TYPICAL HOSE BIB CONFIGURATION.

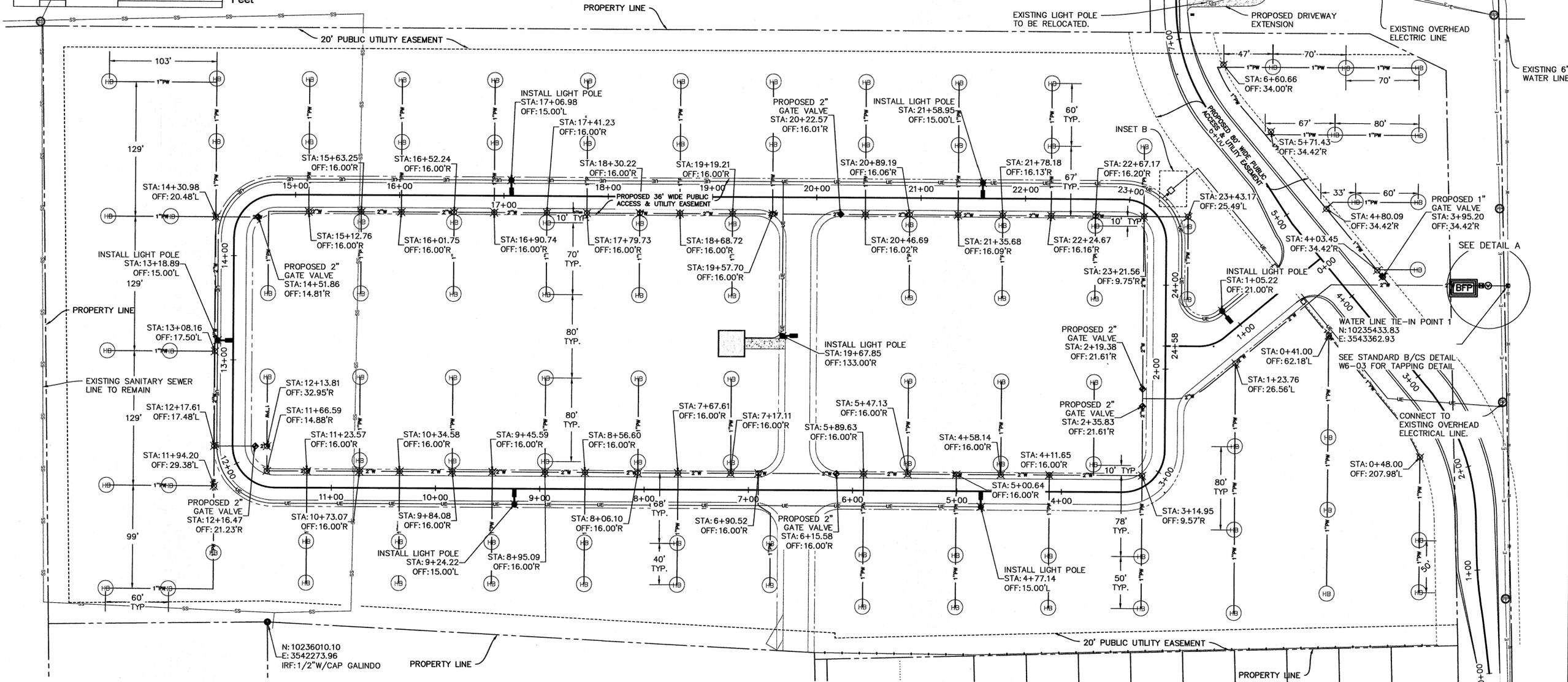
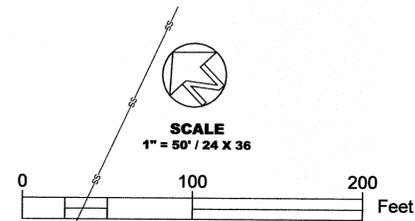
LEGEND



INSET B  
SCALE: 1" = 4'

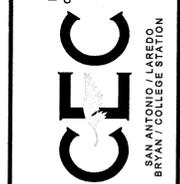


DETAIL A  
N.T.S.



|              |         |
|--------------|---------|
| DESIGNED BY: | KML     |
| DRAWN BY:    | SJH     |
| APPROVED:    | KML     |
| JOB NO.:     | ES06000 |

DON DURNEN, INC.  
d.d.a. CIVIL ENGINEERING CONSULTANTS  
4110 W. UNIVERSITY BLVD. SUITE A  
BRYAN, TEXAS 77801  
TEL: (979) 846-8212  
FAX: (979) 846-8252  
REGISTRATION # F-2214



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENT M. LAZA, P.E. #65923 ON OCTOBER 19, 2015 CIVIL ENGINEERING CONSULTANTS TEXAS BOARD OF PROFESSIONAL FIRM REGISTRATION # F-2214.

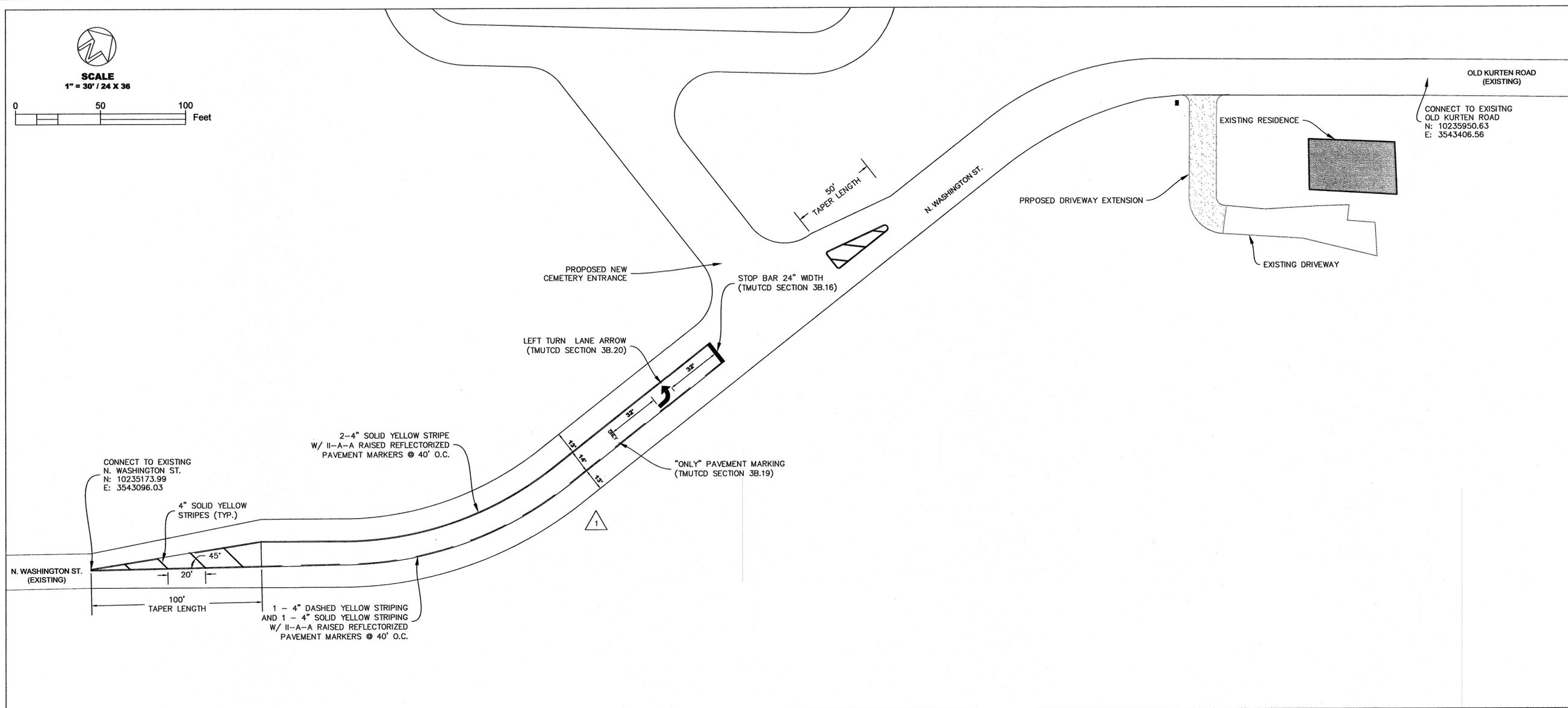
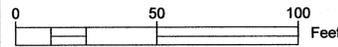
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CITY OF BRYAN PROJECT # 572-D5-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
OVERALL UTILITY PLAN



SCALE  
1" = 30' / 24 X 36



PAVEMENT MARKING NOTES:

- 1. TO BE PROVIDED & INSTALLED IN ACCORDANCE WITH THE BRYAN/COLLEGE STATION UNIFIED TECHNICAL SPECIFICATIONS FOR STREET CONSTRUCTION, LATEST EDITION.
2. ALL PAVEMENT MARKINGS SHALL BE TYPE I HEAT-APPLIED THERMOPLASTIC MARKINGS (TO MEET TXDOT SPECIFICATION 666 FOR 100 MIL MARKINGS).
3. DASHED LINES SHOULD CONSIST OF 10-FOOT SEGMENTS AND 30-FOOT GAPS, OR DIMENSIONS IN A SIMILAR RATIO OF LINE SEGMENTS AS APPROPRIATE FOR TRAFFIC SPEED AND NEED FOR DELINEATION.

SEQUENCE OF WORK

- 1. SET UP TEMPORARY TRAFFIC SIGNAGE AND CHANNELIZING DEVICES.
2. SAW CUT EXISTING PAVEMENT.
3. SUBGRADE WIDENING & LIME STABILIZATION.
4. INSTALL & COMPACT LIMESTONE BASE MATERIAL.
5. INSTALL HMAC PAVEMENT.
6. BACKFILL PAVEMENT EDGES.
7. PLACE PERMANENT PAVEMENT MARKINGS ON PAVEMENT.

TRAFFIC CONTROL NOTES:

- 1. THE TRAFFIC CONTROL PLAN FOR THE PROPOSED WORK ON OR ADJACENT TO HOLLEMAN DRIVE WILL BE SUBMITTED TO AND APPROVED BY THE CITY BEFORE THIS PORTION OF WORK IS TO BE STARTED.
2. FOR ADDITIONAL PAVEMENT MARKING DETAILS, SEE THESE TXDOT STANDARDS:
- PM(4)-10. PAVEMENT MARKINGS FOR TWO-WAY LEFT TURN LANES DIVIDED HIGHWAYS AND RURAL LEFT TURN BAYS
- PM(1)-03. TYPICAL STANDARD PAVEMENT MARKINGS
- PM(2)-10. POSITION GUIDANCE USING RAISED MARKERS REFLECTORIZED PROFILE MARKINGS
3. USE FLAGMEN AS NECESSARY DURING THE INSTALLATION OF ASPHALT PAVEMENT.

DESIGNED BY: KVM
DRAWN BY: SJH
APPROVED: KVM
JOB NO.: E0606600

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REGISTRATION #F-2214

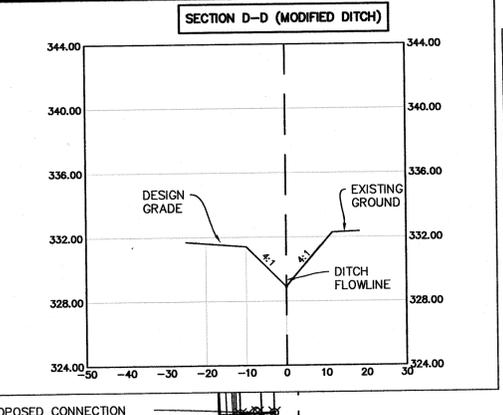
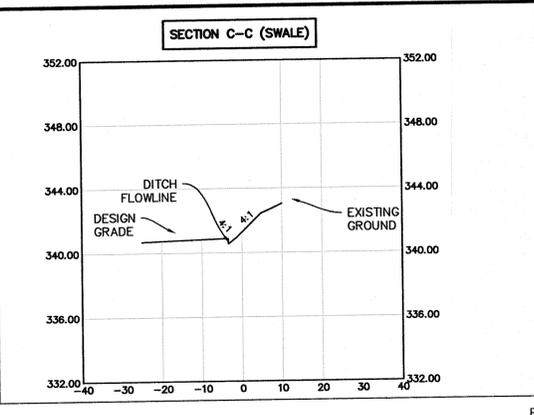
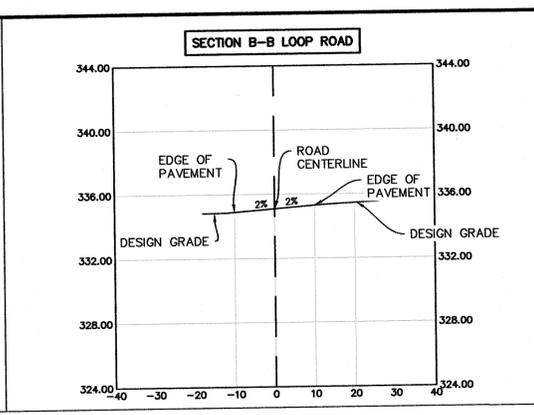
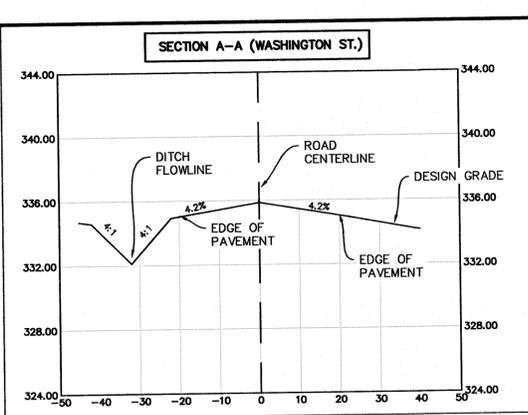


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Table with columns for REV, DATE, and DESCRIPTION. Includes a revision for 'REVISED REDUNDANT ROADWAY NUMBER' dated 10/29/15.

CITY OF BRYAN PROJECT # 572-D5-1303
CITY OF BRYAN - CEMETERY EXPANSION
BRYAN, TX
WASHINGTON ST. STRIPING PLAN

SHEET NO.
C16



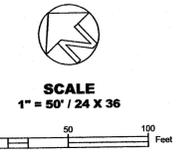
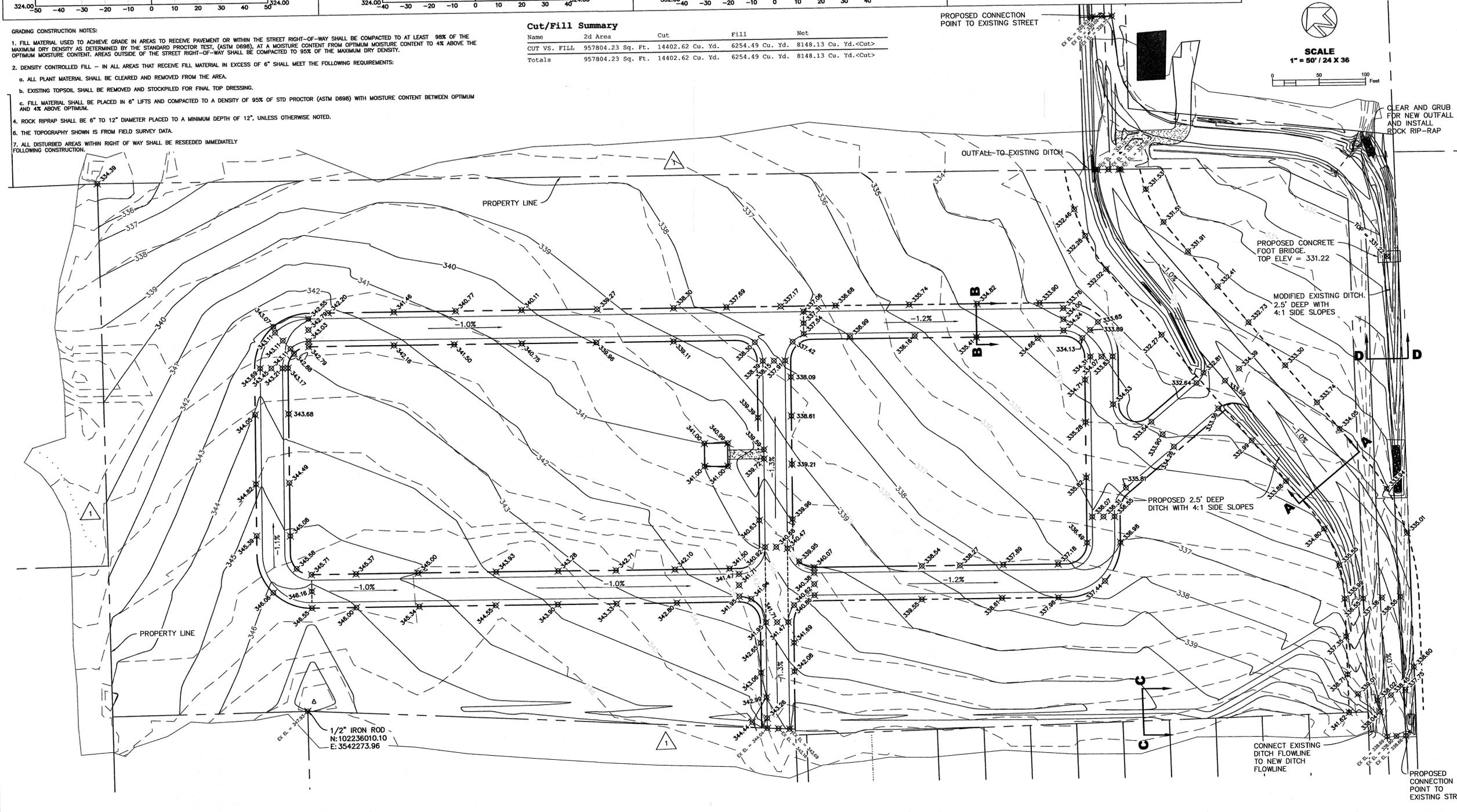
**LEGEND**

- 290 — PROPOSED CONTOUR
- - - 290 - - - EXISTING CONTOUR
- - - ROW LINE
- - - PROPERTY LINE
- ⊗ EX EL = 330.00 EX. SURFACE SPOT ELEVATION
- ⊗ 330.00 PR. SURFACE SPOT ELEVATION
- 1.2% — PROPOSED SLOPE
- - - GRADE BREAK

- GRADING CONSTRUCTION NOTES:**
- FILL MATERIAL USED TO ACHIEVE GRADE IN AREAS TO RECEIVE PAVEMENT OR WITHIN THE STREET RIGHT-OF-WAY SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D698), AT A MOISTURE CONTENT FROM OPTIMUM MOISTURE CONTENT TO 4% ABOVE THE OPTIMUM MOISTURE CONTENT. AREAS OUTSIDE OF THE STREET RIGHT-OF-WAY SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY.
  - DENSITY CONTROLLED FILL - IN ALL AREAS THAT RECEIVE FILL MATERIAL IN EXCESS OF 6" SHALL MEET THE FOLLOWING REQUIREMENTS:
    - ALL PLANT MATERIAL SHALL BE CLEARED AND REMOVED FROM THE AREA.
    - EXISTING TOPSOIL SHALL BE REMOVED AND STOCKPILED FOR FINAL TOP DRESSING.
    - FILL MATERIAL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO A DENSITY OF 95% OF STD PROCTOR (ASTM D698) WITH MOISTURE CONTENT BETWEEN OPTIMUM AND 4% ABOVE OPTIMUM.
  - ROCK RIPRAP SHALL BE 6" TO 12" DIAMETER PLACED TO A MINIMUM DEPTH OF 12", UNLESS OTHERWISE NOTED.
  - THE TOPOGRAPHY SHOWN IS FROM FIELD SURVEY DATA.
  - ALL DISTURBED AREAS WITHIN RIGHT OF WAY SHALL BE RESEDED IMMEDIATELY FOLLOWING CONSTRUCTION.

**Cut/Fill Summary**

| Name         | 2d Area           | Cut              | Fill            | Net                  |
|--------------|-------------------|------------------|-----------------|----------------------|
| CUT VS. FILL | 957804.23 Sq. Ft. | 14402.62 Cu. Yd. | 6254.49 Cu. Yd. | 8148.13 Cu. Yd.<Cut> |
| Totals       | 957804.23 Sq. Ft. | 14402.62 Cu. Yd. | 6254.49 Cu. Yd. | 8148.13 Cu. Yd.<Cut> |



|              |          |
|--------------|----------|
| DESIGNED BY: | KML      |
| DRAWN BY:    | SJH      |
| APPROVED:    | KML      |
| JOB NO.:     | ED060900 |

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 REGISTRATION # 2214

**CLC**  
 CIVIL ENGINEERING CONSULTANTS  
 BRYAN, TEXAS

SEAL OF STATE OF TEXAS  
 KENT M. LAZA  
 85923  
 CIVIL ENGINEER  
 10/24/2015

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| REV | DATE     | DESCRIPTION           |
|-----|----------|-----------------------|
| 1   | 10/29/15 | REVISED CONTOUR LINES |

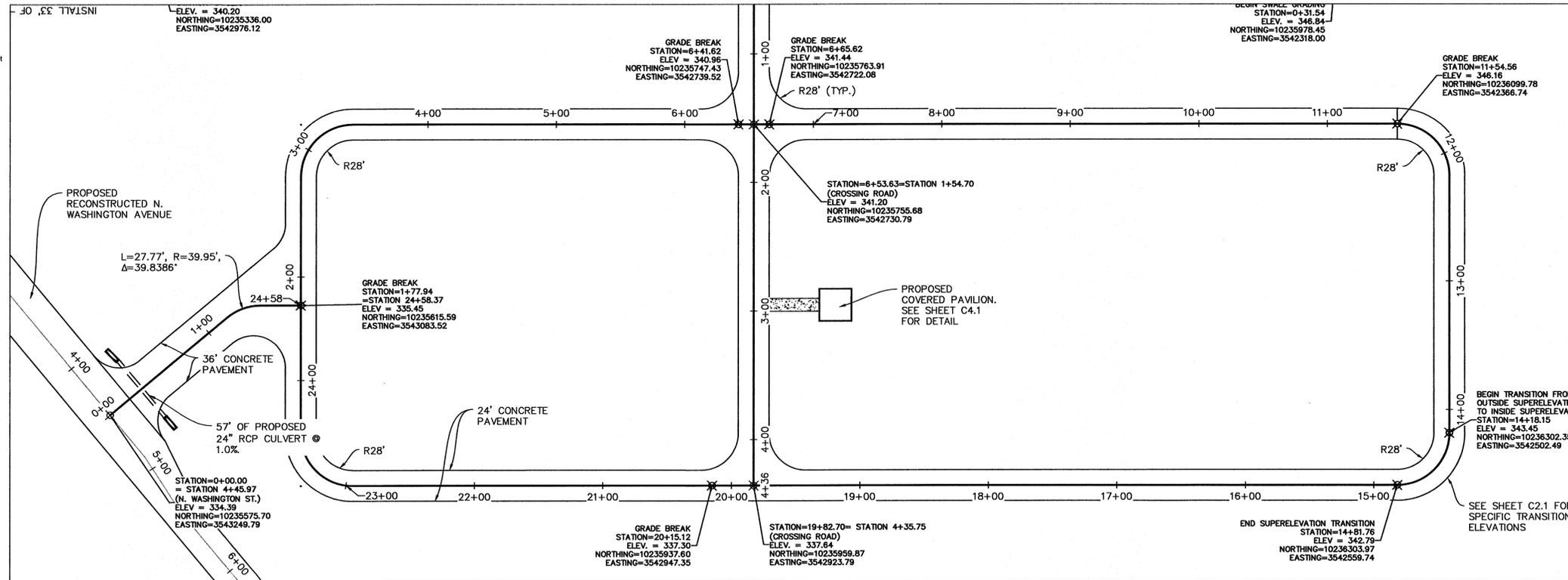
CITY OF BRYAN PROJECT # 572-D6-1303  
 CITY OF BRYAN - CEMETERY EXPANSION  
 BRYAN, TX  
 GRADING PLAN

8/21/15

**C2.1**

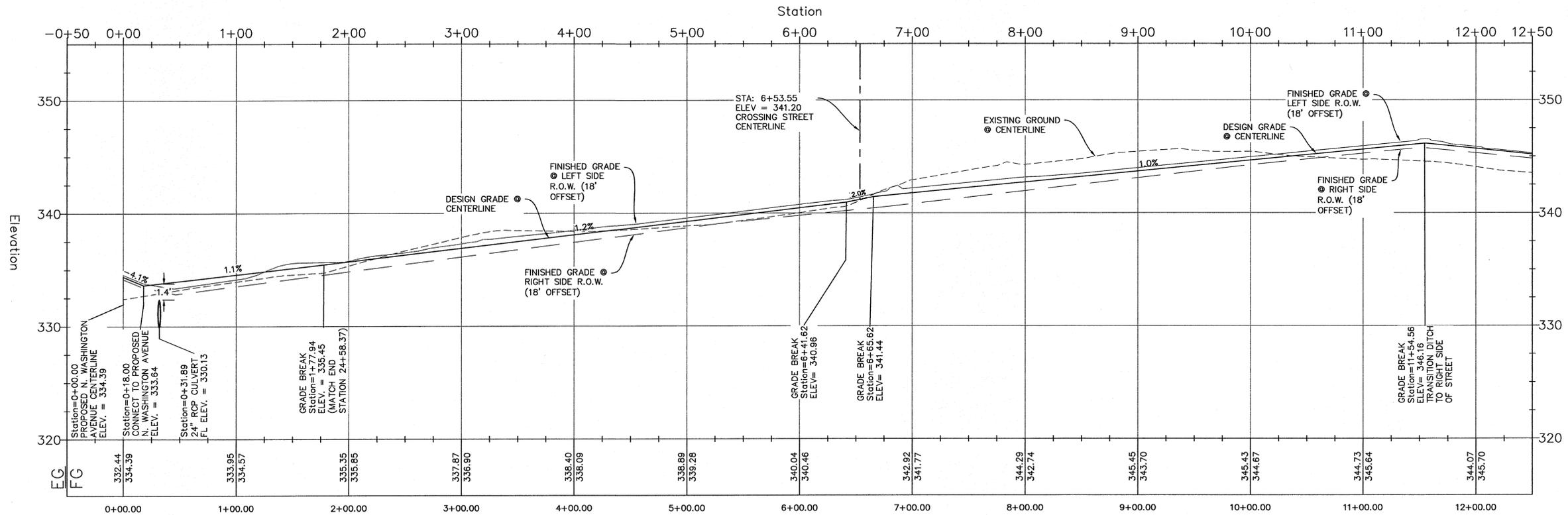


SCALE  
1" = 50' / 24 X 36



SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL

### LOOP-CL PROFILE



|              |          |
|--------------|----------|
| DESIGNED BY: | KVIL     |
| DRAWN BY:    | S-JH     |
| APPROVED:    | KVIL     |
| JOB NO.:     | ED609600 |

D. O. N. D. U. R. D. E. N., I. N. C.  
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 REGISTRATION #7-2214

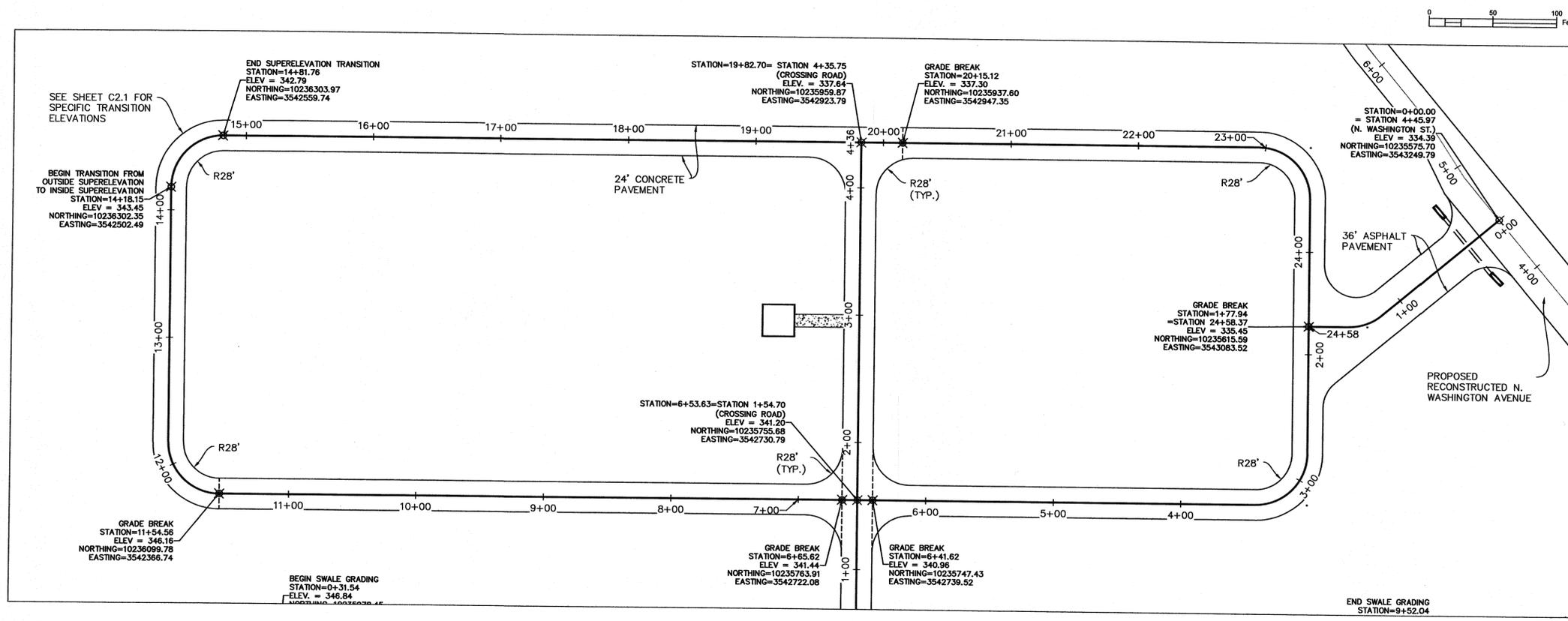


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Construction

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CITY OF BRYAN PROJECT # 572-D6-1303  
 CITY OF BRYAN - CEMETERY EXPANSION  
 BRYAN, TX  
 LOOP ROAD PLAN & PROFILE SOUTH

SHEET NO.  
**C2.2**



0 50 100 Feet

SCALE  
1" = 50' / 24 X 36

DESIGNED BY: KVM  
DRAWN BY: SJH  
APPROVED: KVM  
JOB NO: E0606800

DON DURNEN, INC  
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4101 S. TEXAS AVE., SUITE A  
DALLAS, TEXAS 75219  
TEL: (972) 848-4902  
FAX: (972) 848-8242  
REGISTRATION # 2214

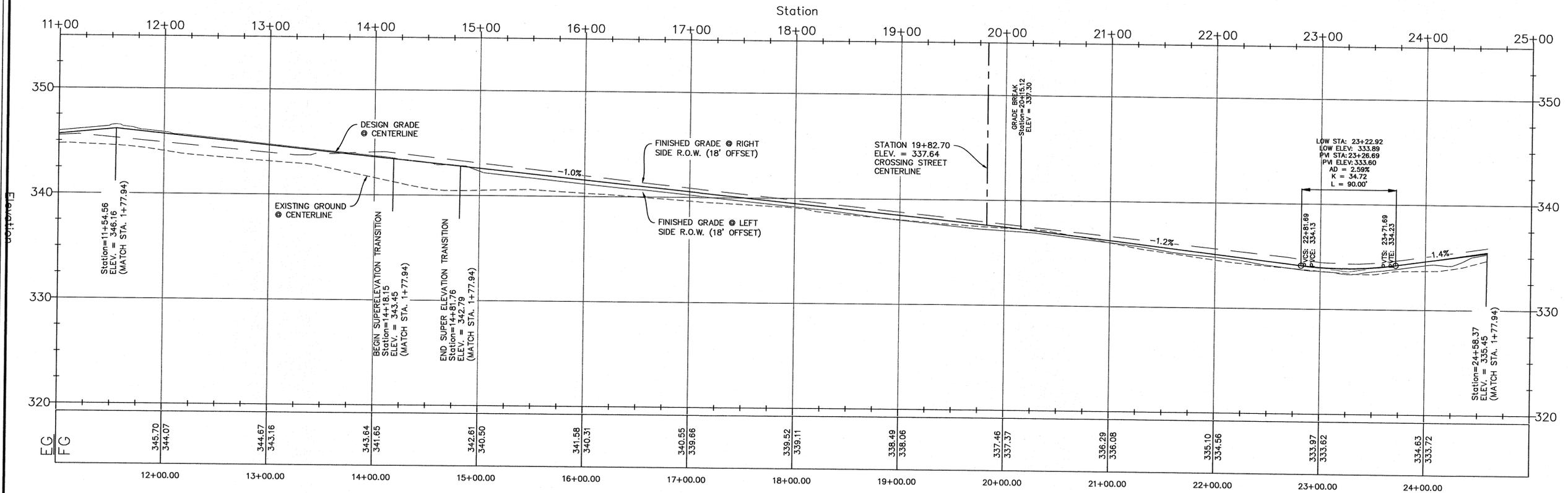


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Issued For Construction

SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL

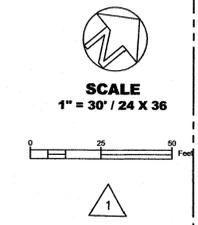
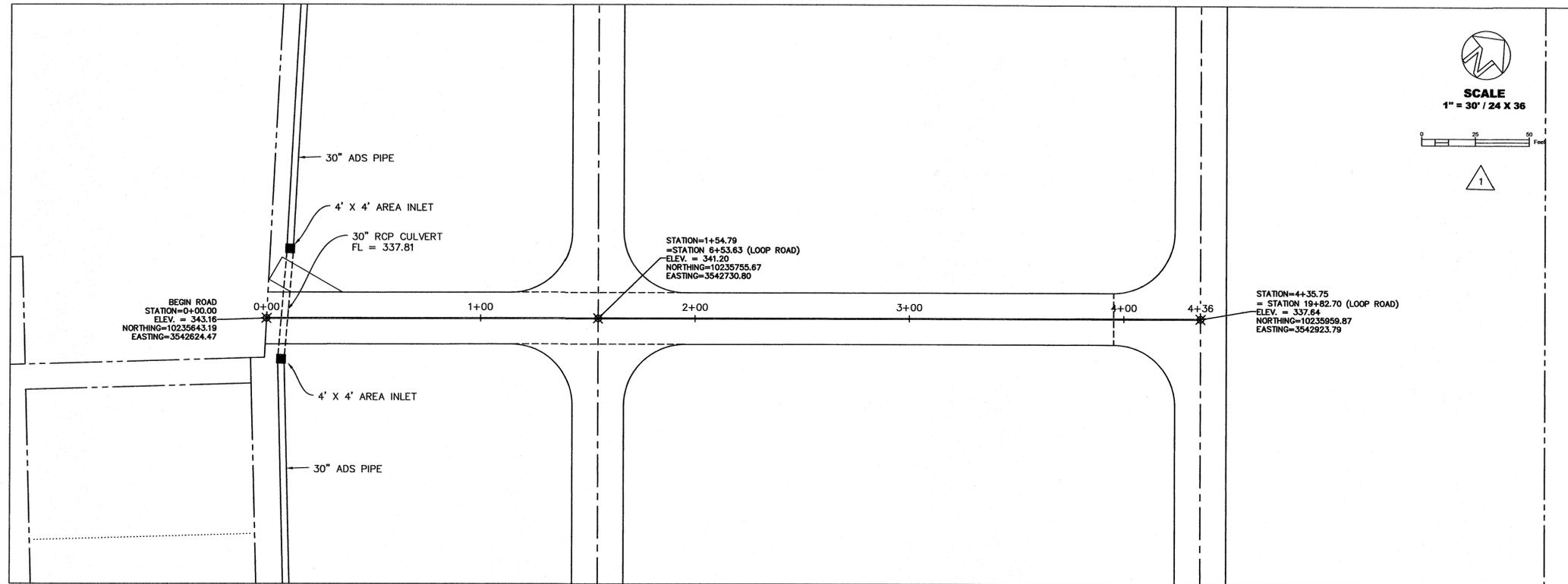
LOOP-CL PROFILE



| REV | DATE | DESCRIPTION |
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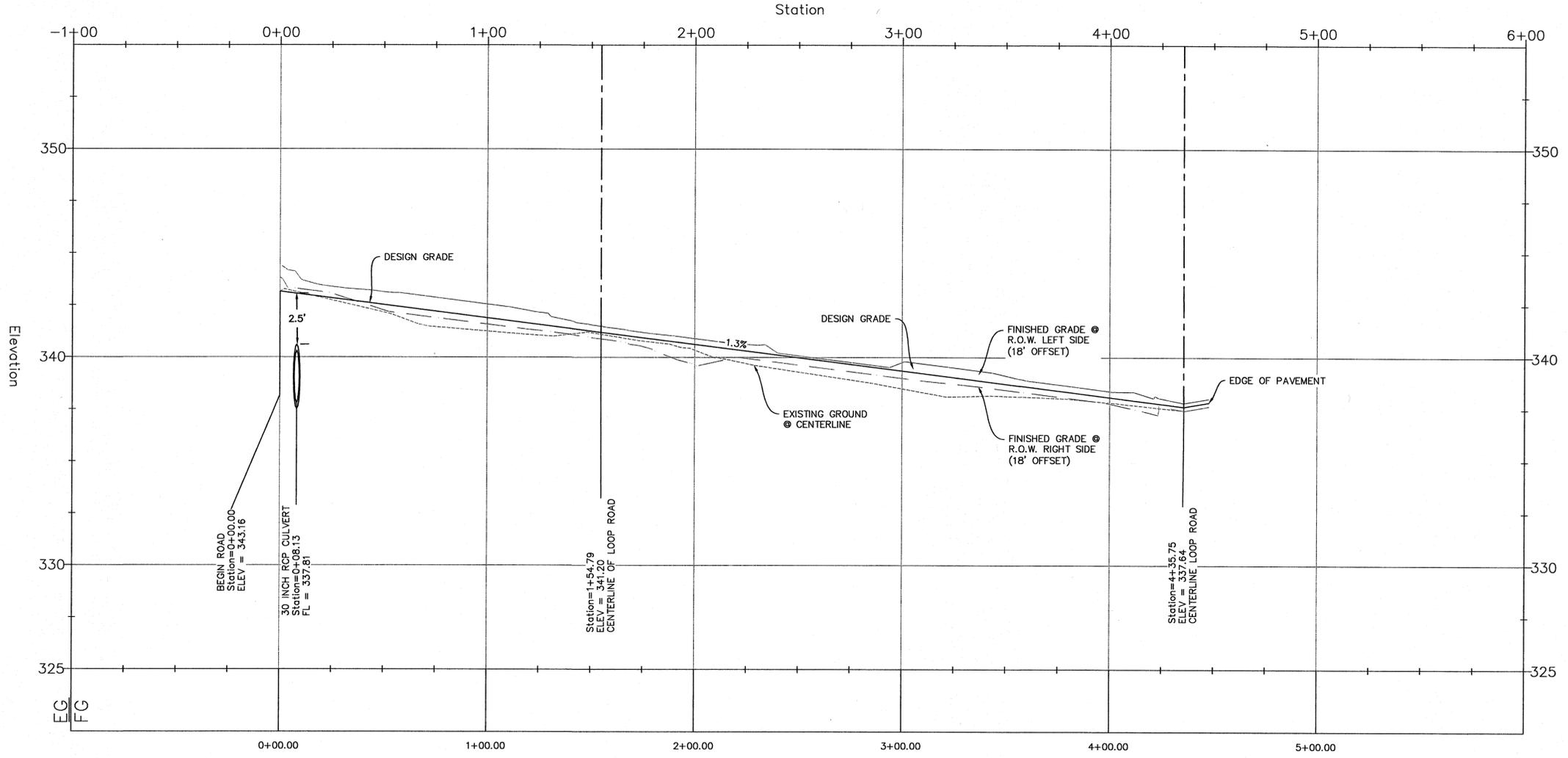
CITY OF BRYAN PROJECT # 572-D6-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
LOOP ROAD PLAN & PROFILE - NORTH

SHEET NO.  
C2.3



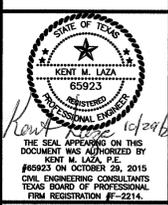
**CROSSING-CL PROFILE**

SCALE: 1"=30' HORIZONTAL  
1"=3' VERTICAL



|              |          |
|--------------|----------|
| DESIGNED BY: | KVIL     |
| DRAWN BY:    | SHH      |
| APPROVED:    | KVIL     |
| JOB NO.:     | E0506800 |

DO N D U R D E N , I N C  
d.b.a. CIVIL ENGINEERING CONSULTANTS  
4101 S. TEXAS AVE., SUITE A  
BRYAN, TEXAS 77802  
TEL: (979) 846-6212  
FAX: (979) 846-8252  
REGISTRATION #2214



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENT M. LAZA, P.E. #65923 ON OCTOBER 28, 2015 CIVIL ENGINEERING CONSULTANTS TEXAS BOARD OF PROFESSIONAL ENGINEERS REGISTRATION #2214.

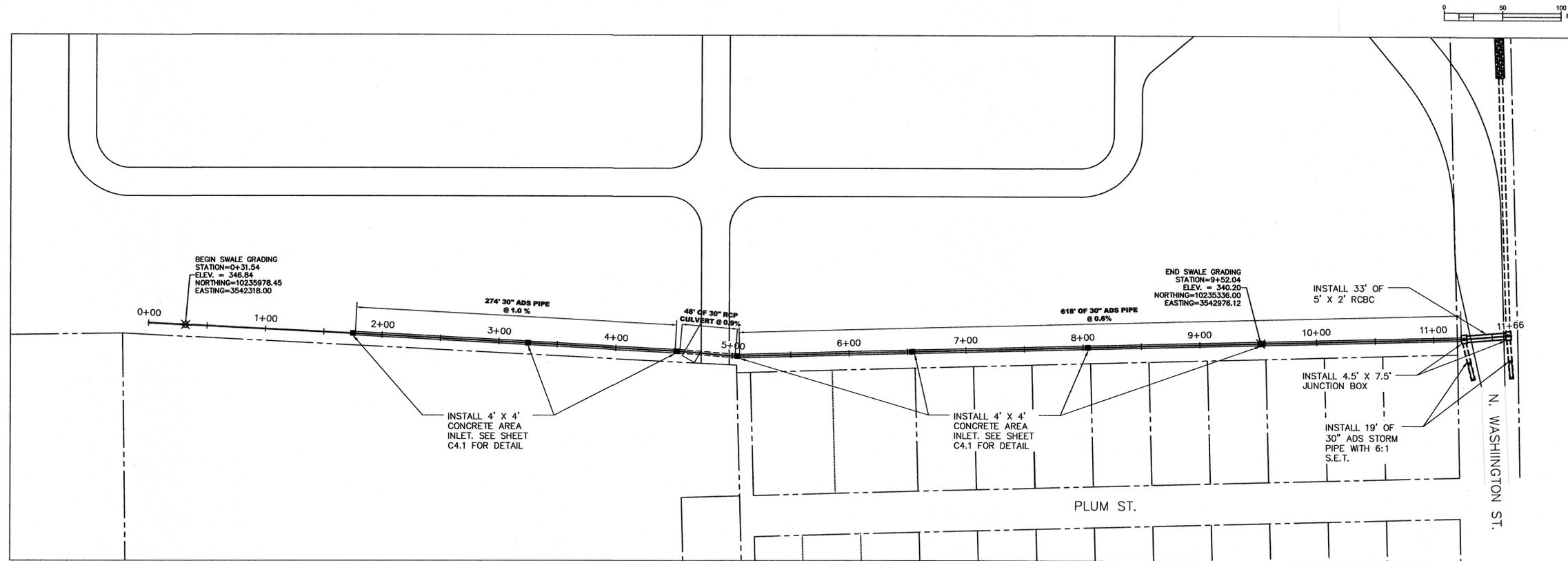
Issued For Construction

| REV | DATE     | DESCRIPTION                     |
|-----|----------|---------------------------------|
| 1   | 10/29/15 | REVISED NORTH ARROW ORIENTATION |

CITY OF BRYAN PROJECT # 572-D6-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
CROSSING STREET PLAN & PROFILE

SHEET NO.

**C2.4**



SCALE  
1" = 50' / 24 X 36

DESIGNED BY: KML  
DRAWN BY: SJH  
APPROVED: KML  
JOB NO: E0606900

D. O. N. D. U. R. D. E. N., I. N. C.  
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BRYAN, TEXAS 77802  
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FAX: (979) 846-8252  
REGISTRATION #F-2214

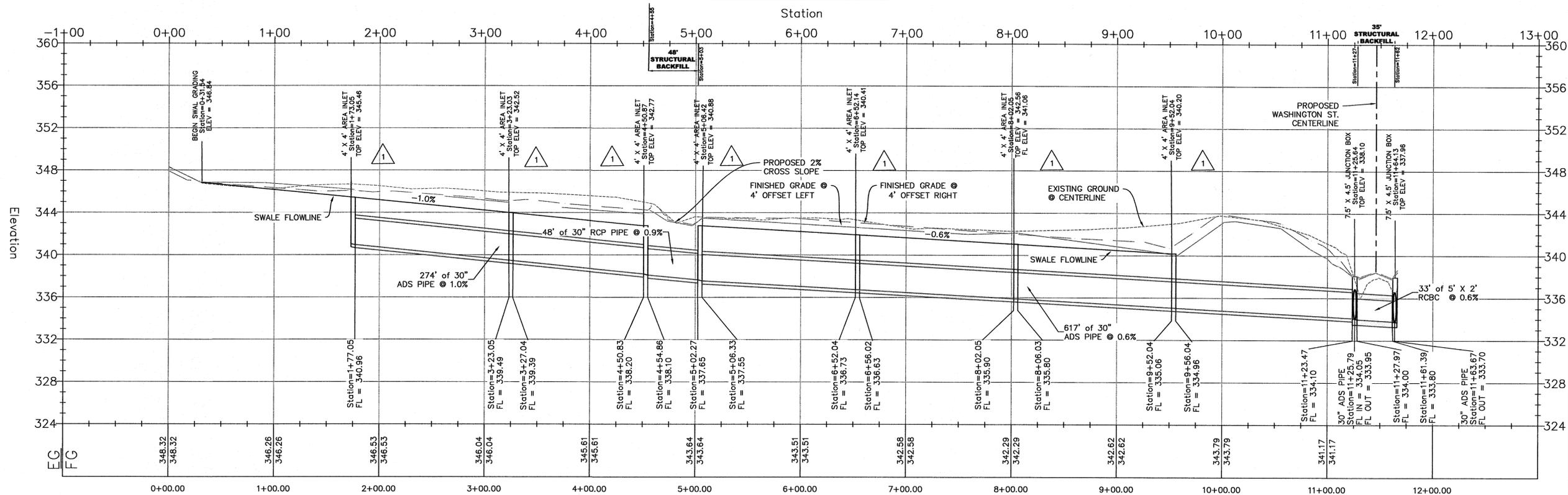


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KENT M. LAZA, P.E.  
ON OCTOBER 28, 2015  
CIVIL ENGINEERING CONSULTANTS  
TEXAS BOARD OF PROFESSIONAL  
ENGINEERING REGISTRATION #F-2214

Issued For Construction

SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL

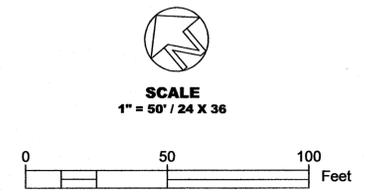
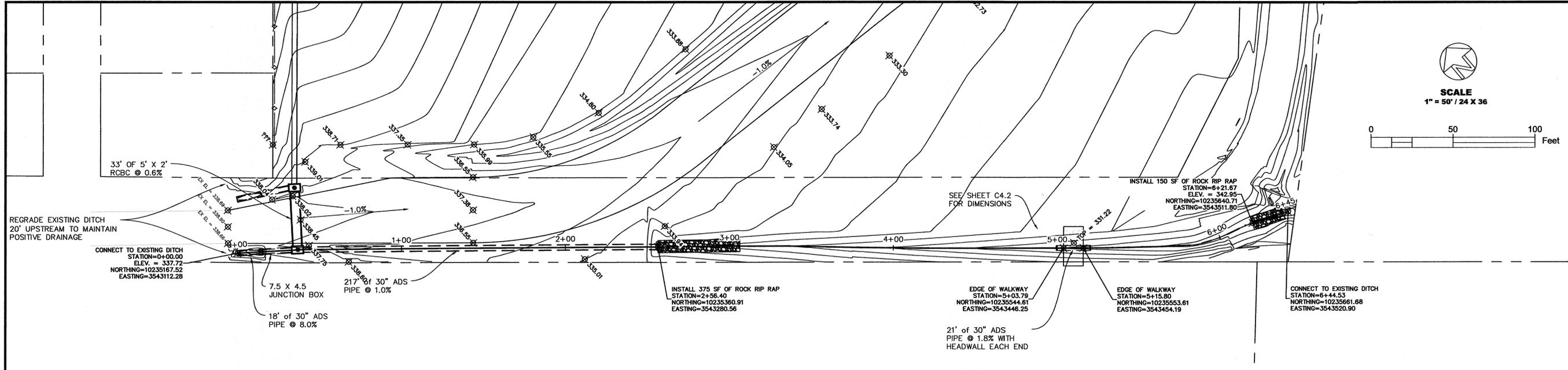
SWALE PROFILE



| REV | DATE     | DESCRIPTION                       |
|-----|----------|-----------------------------------|
| 1   | 10/28/15 | REVISION TO AREA INLET ELEVATIONS |

CITY OF BRYAN PROJECT # 572-D5-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
SWALE PLAN & PROFILE

SHEET 25  
C2.5



DESIGNED BY: KVM  
 DRAWN BY: SJH  
 APPROVED: KVM  
 JOB NO: E0609600

DON DURDEN, INC.  
 d.b.a. CIVIL ENGINEERING CONSULTANTS  
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 BRYAN, TEXAS 77802  
 TEL: (979) 846-6212  
 FAX: (979) 846-6214  
 REGISTRATION #F-2214

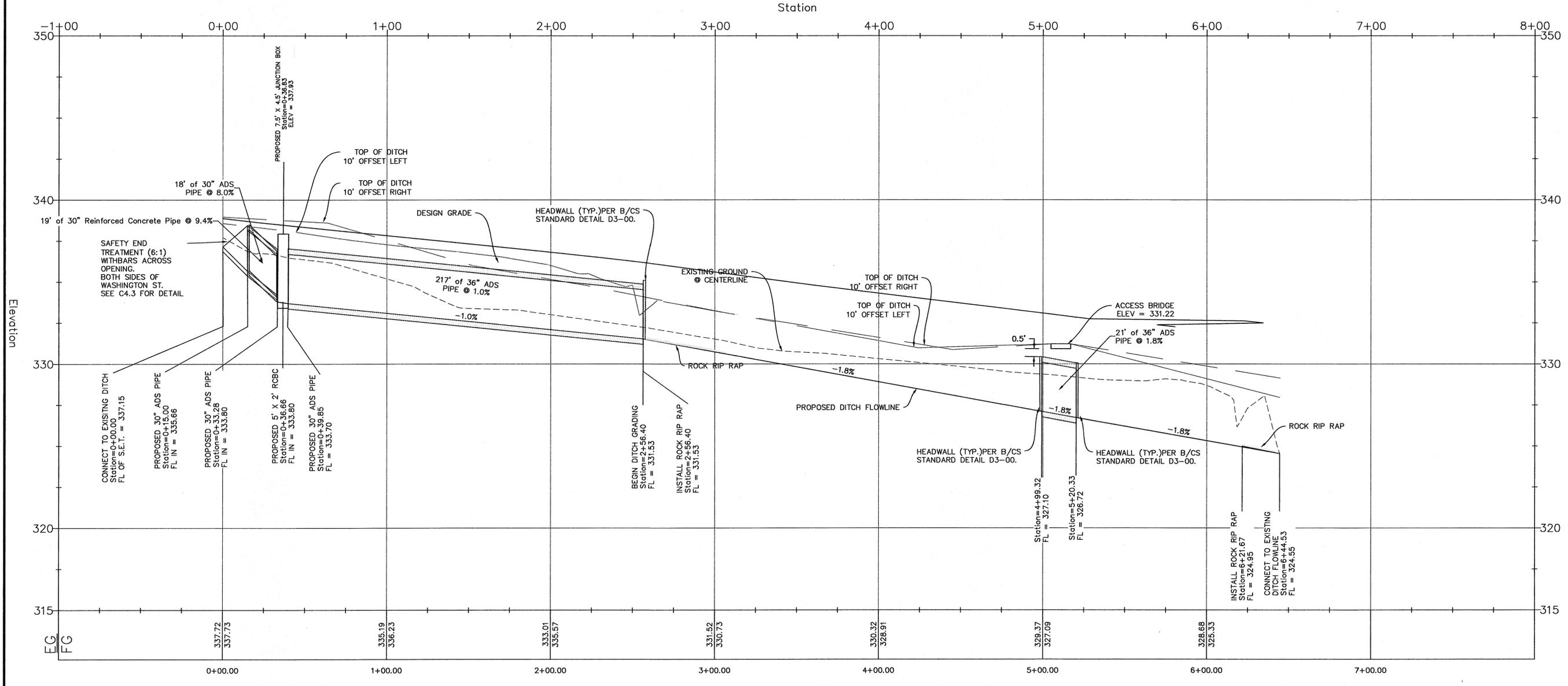


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SCALE: 1"=30' HORIZONTAL  
 1"=3' VERTICAL

PROP- MODIFIED DITCH FLOWLINE PROFILE

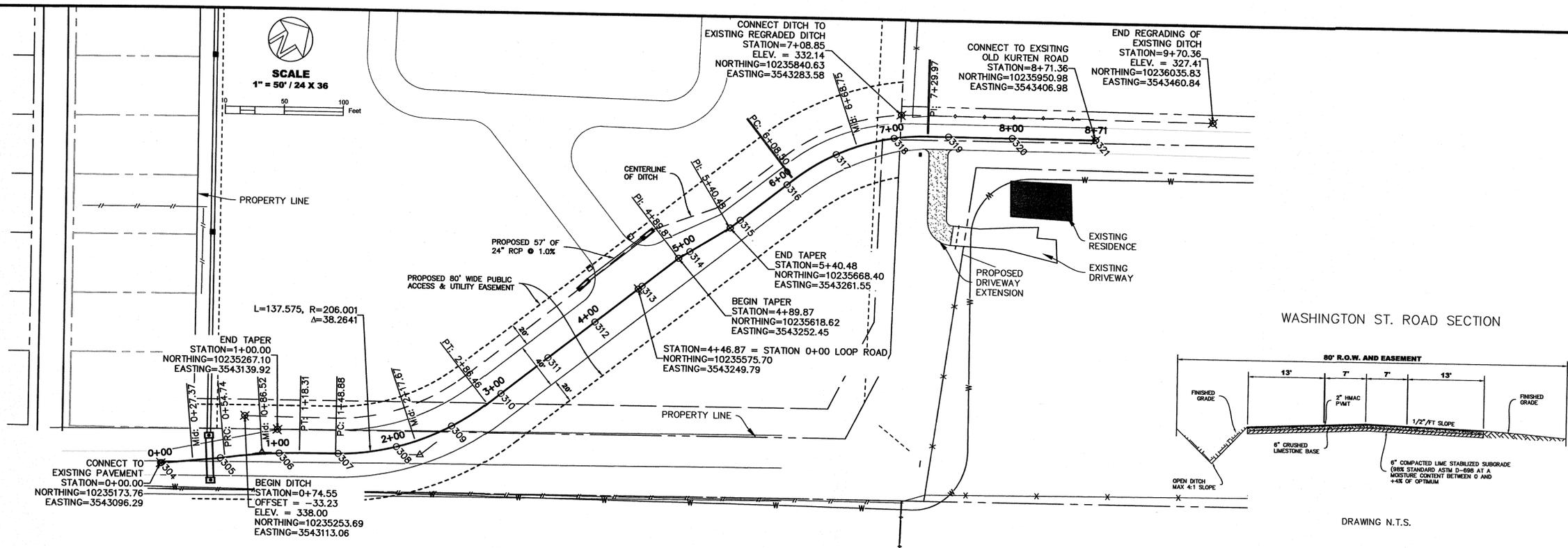


| REV | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

CITY OF BRYAN PROJECT # 572-D6-1303  
 CITY OF BRYAN - CEMETERY EXPANSION  
 BRYAN, TX  
 EXISTING DITCH MODIFICATION PROFILE

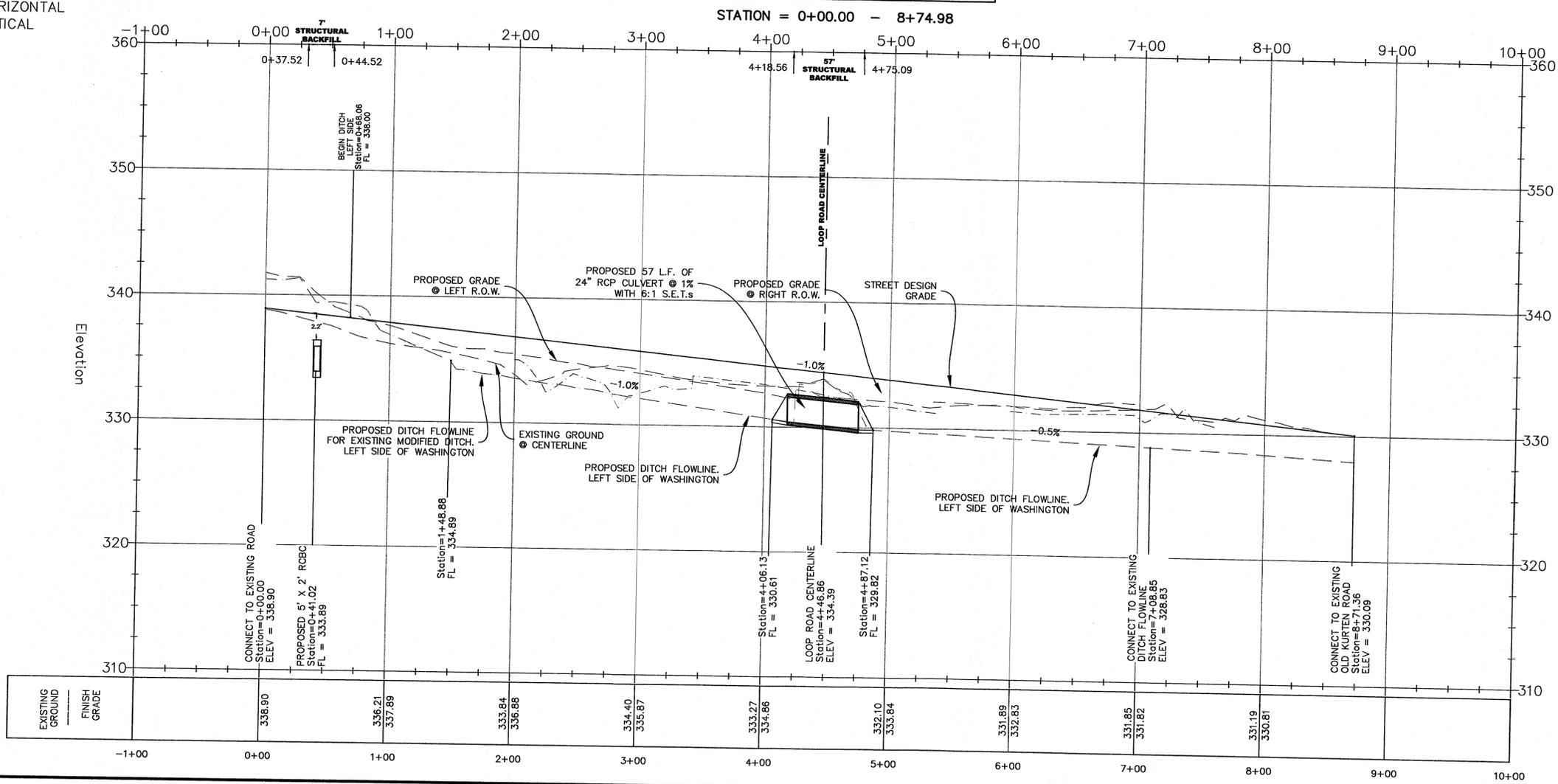
SHEET NO  
**C2.6**

| Point # | Northing    | Easting    | Description |
|---------|-------------|------------|-------------|
| 304     | 10235174.48 | 3543098.82 | CL          |
| 305     | 10235214.76 | 3543128.45 | CL          |
| 306     | 10235255.00 | 3543156.08 | CL          |
| 307     | 10235292.54 | 3543189.10 | CL          |
| 308     | 10235333.71 | 3543217.24 | CL          |
| 309     | 10235380.47 | 3543254.62 | CL          |
| 310     | 10235430.00 | 3543290.76 | CL          |
| 311     | 10235478.81 | 3543324.85 | CL          |
| 312     | 10235529.81 | 3543354.95 | CL          |
| 313     | 10235579.72 | 3543380.04 | CL          |
| 314     | 10235629.46 | 3543404.43 | CL          |
| 315     | 10235678.15 | 3543428.22 | CL          |
| 316     | 10235728.70 | 3543456.29 | CL          |
| 317     | 10235778.83 | 3543482.04 | CL          |
| 318     | 10235823.04 | 3543509.47 | CL          |
| 319     | 10235868.58 | 3543533.56 | CL          |
| 320     | 10235898.87 | 3543558.76 | CL          |
| 321     | 10235951.24 | 3543407.18 | CL          |



WASHINGTON ST. PROFILE

SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



DESIGNED BY: KVL  
DRAWN BY: SJH  
APPROVED: KVL  
JOB NO: E060600

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REGISTRATION #F-2214

STATE OF TEXAS  
KENT M. LAGA, P.E.  
65923  
CIVIL ENGINEERING CONSULTANTS  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
FIRM REGISTRATION #F-2214

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CITY OF BRYAN PROJECT # 672-D5-1303  
CITY OF BRYAN - CEMETERY EXPANSION  
BRYAN, TX  
WASHINGTON ST. PLAN & PROFILE

SHEET #  
C3.1