

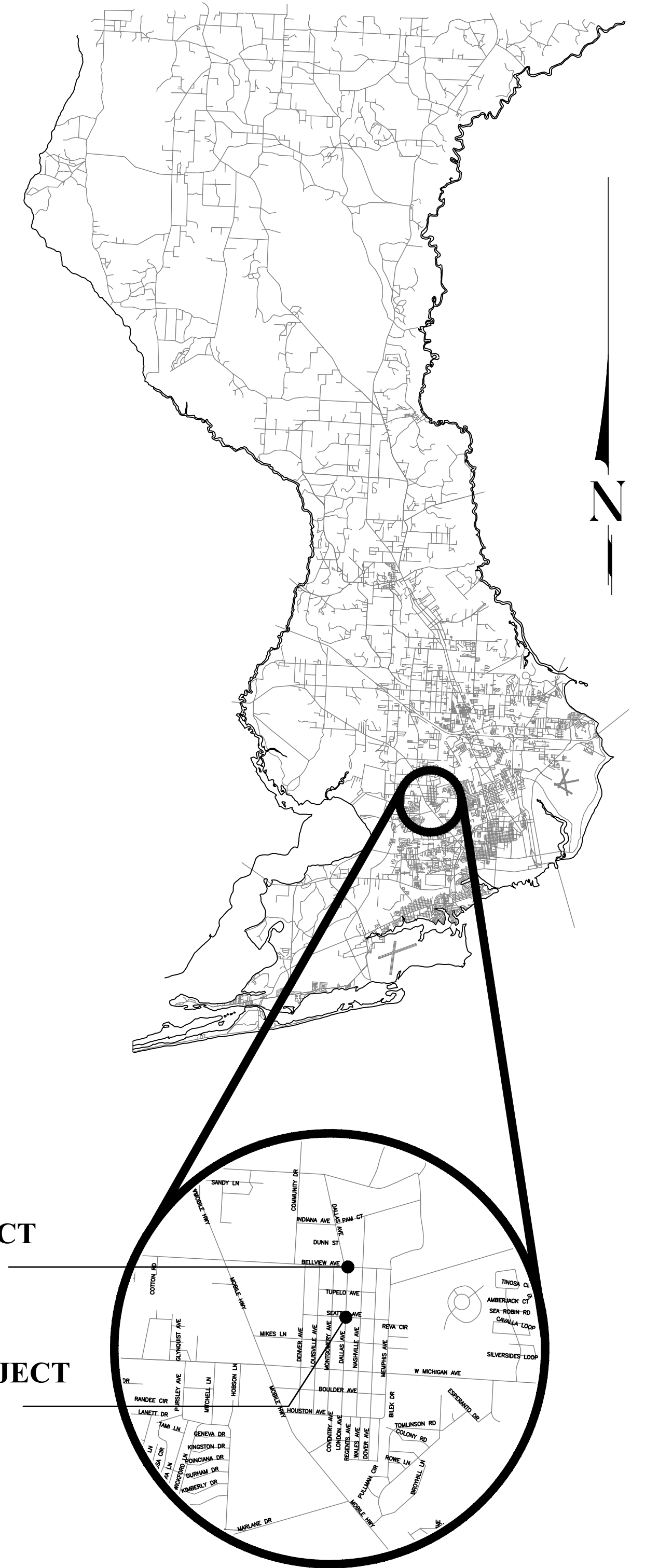


**BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 PUBLIC WORKS BUREAU
 ENGINEERING DIVISION**

**PLANS PROPOSED FOR
 DALLAS AVENUE
 DRAINAGE IMPROVEMENTS**

ENG1952

**FOR CONSTRUCTION
 NOVEMBER 7, 2017**



VICINITY MAP

**LENGTH OF PROJECT = 1335 LF
 0.25 MI**

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET & VICINITY MAP
2	GENERAL NOTES & LEGEND
3	BASELINE / KEY PLAN
4	EXISTING CONDITIONS & DEMOLITION PLAN
5	EXISTING CONDITIONS & DEMOLITION PLAN
6	PLAN & PROFILES
7	PLAN & PROFILES
8	PLAN & PROFILES
9	CROSS SECTIONS
10	SECTIONS & DETAILS
11	DETAILS
12	DETAILS
13	DETAILS
14	STORMWATER PREVENTION PLAN
15	EROSION CONTROL DETAILS

Kenneth Horne & Associates, Inc.
 CIVIL ENGINEERS
PO BOX 10669, PENSACOLA, FLORIDA 32524
 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
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 FL CERTIFICATE OF AUTHORIZATION NO. 8268

COMMISSIONERS

- | | |
|-----------------------|------------------------------------|
| DISTRICT ONE | JEFF BERGOSH, VICE-CHAIRMAN |
| DISTRICT TWO | DOUG UNDERHILL, CHAIRMAN |
| DISTRICT THREE | LUMON MAY |
| DISTRICT FOUR | GROVER ROBINSON |
| DISTRICT FIVE | STEVEN BARRY |

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

PROJECT MANAGER: NICK CHAUVIN	
SECTION / TOWNSHIP / RANGE: 42 / T-1S / R-30-W	DISTRICT: 1
PROJECT ENGINEER: R. KRASNOSKY	REG FLA ENG NO: 49949
SIGNATURE:	DATE: 11/07/2017

PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL	DATE	ORIGINATOR (GR)	Correct (Green Highlighter) Change (Red Pen X-Out to Disagree or Remark)	DATE	ORIGINATOR (GR)	Correct (Green Highlighter) Change (Red Pen X-Out to Disagree or Remark)	DATE	VERIFICATION, CHECKER (OR)	(Blue Highlighter)	DATE	REMARK INCORPORATION	(Blue Highlighter)	DATE	ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	DATE
	SIGNATURE:																		

GENERAL NOTES:

- THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2000 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
- CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
- ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
- IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:
JOE BARRETT, PLS
ESCAMBIA COUNTY SURVEYOR
3363 WEST PARK PLACE
PENSACOLA, FLORIDA 32505 PH (850) 595-3427
- VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- GRADED AGGREGATE BASE SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCLOSES WITHIN TWO (2) FEET OF THE BOTTOM OF BASE.
- ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED IN PLANS.
- ALL COMPACTED FILL SHALL BE PLACED IN 8" LIFTS FOR HAND POWERED TAMPERS AND 12" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
- MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.
- ALL SPEED BUMPS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED TO THE LATEST ESCAMBIA COUNTY DESIGN SPECIFICATIONS. ALL COSTS FOR REPLACEMENT OF SAID SPEED BUMPS SHALL BE INCIDENTAL TO OTHER ITEMS AND NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED.
- ALL EXISTING MAILBOXES INTERFERING WITH NEW CONSTRUCTION SHALL BE RELOCATED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS AND IN ACCORDANCE WITH ESCAMBIA COUNTY TECHNICAL SPECIFICATION, FDOT DESIGN STANDARDS AND UNITED POSTAL REQUIREMENTS. ALL EXISTING BRICK MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED AND RE-INSTALLED. PRIOR TO REMOVAL, THE CONTRACTOR THE CONTRACTOR SHALL INSPECT THE MAILBOXES FOR STRUCTURAL INTEGRITY. IF IT APPEARS THAT THE MAILBOX IS NOT STRUCTURALLY SOUND FOR RE-INSTALLATION, THE PROJECT MANAGER IS TO BE NOTIFIED BEFORE REMOVAL TAKES PLACE.
- THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.
- WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
- PIPE LENGTHS SHOWN IN THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.
- IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
- IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

UTILITY NOTES:

- THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
 - UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:
SEWER/WATER – EMERALD COAST UTILITY AUTHORITY
MR. BRANDON KNIGHT
P.O. BOX 15311
PENSACOLA, FL 32514 PH: (850) 969-3310
BKNIGHT@ECUA.ORG
NATURAL GAS – PENSACOLA ENERGY
MRS. DIANE MOORE
1625 ATWOOD DRIVE
PENSACOLA, FL 32514 PH: (850) 474-5319
DMOORE@CITYOFPENSACOLA.COM
TELEPHONE – AT&T FLORIDA
MR. JONATHAN BLANKINSHIP
605 W. GARDEN STREET
PENSACOLA, FL 32502 PH: (850) 436-1489
JB966@ATT.COM
TRAFFIC DEPARTMENT – ESCAMBIA COUNTY PUBLIC WORKS
MS. JOHNNY COX / PETTICREW (SP)
3363 WEST PARK PLACE
PENSACOLA, FL. 32505 PH:(850) 595-3404
JLCOX@CO.ESCAMBIA.FL.US
ELECTRIC – GULF POWER
MR. CHAD SWAILS
5120 DOGWOOD DRIVE
MILTON, FL. 32570 PH: (850) 429-2446
CESWAILS@SOUTHERNCO.COM
CABLE – COX CABLE
MR. TROY YOUNG
3405 MCLEMORE DRIVE
PENSACOLA, FL. 32514 PH: (850) 857-4510
TROY.YOUNG@COX.COM
SUNSHINE STATE ONE-CALL
7200 LAKE ELLENOR DRIVE, SUITE 200
ORLANDO, FL. 32809 PH: (800) 432-4770
AT&T FLORIDA WILL COMPLETE ALL WORK DURING THE HOURS OF 7:30 AM – 4:30 PM, MONDAY THRU FRIDAY. NO NIGHT OR WEEKEND WORKWORK.
ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
ALL LOOP DETECTOR INSTALLATION SHALL BE DONE AS PER FDOT INDEX 17781.
CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.
- CERTIFIED TO: ESCAMBIA COUNTY, FLORIDA BOARD OF COUNTY COMMISSIONERS.

SURVEYOR'S NOTES:

- MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE UNITED STATES STANDARD FOOT.
- BASIS OF BEARINGS REFERENCE: GRID NORTH AND THE GRID BEARINGS SHOWN HEREON ARE BASED ON THE FOLLOWING:
a. PROJECTION ZONE: FLORIDA NORTH (STATE PLANE)
b. PROJECTION TYPE: LAMBERT CONFORMAL CONIC
c. DATUM: NORTH AMERICAN DATUM OF 1983 WITH A DATUM TAG OF 2011 (NAD83 (2011))
- THE VERTICAL ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING BENCHMARK:
a. DESIGNATION: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STATION REFERENCE NAME: 48-99-PO3HV
i. NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ELEVATION = 74.66 FEET (22.756 METERS)
- TO ENSURE THAT ANY CONTRACTOR, ENGINEER, OR SURVEYOR IS ON THE SAME VERTICAL DATUM, IT IS IMPERATIVE THAT THEY USE THE BENCHMARKS AND ELEVATIONS SHOWN HEREON. IN ADDITION, A CHECK BETWEEN BENCHMARKS NEEDS TO BE PERFORMED TO VERIFY THAT NOT ONE BENCHMARK HAS BEEN DISTURBED.
- THE HORIZONTAL POSITIONS SHOWN HEREON WERE DERIVED FROM THE UTILIZATION OF A LEICA 1200 REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) DUAL FREQUENCY RECEIVER IN RTK MODE UTILIZING THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
- DANNY R. SWAIN, FLORIDA PROFESSIONAL SURVEYOR AND MAPPER DID NOT PERFORM A TITLE SEARCH, NOR HAS A TITLE SEARCH BEEN PROVIDED. THEREFORE, THE TOPOGRAPHIC SURVEY SHOWN HEREON IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
- LANDS SHOWN HEREON WERE NOT ABSTRACTED BY DANNY R. SWAIN, FLORIDA PROFESSIONAL SURVEYOR AND MAPPER, AND IS, THEREFORE, SUBJECT TO DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHT-OF-WAYS, BUILDING SETBACKS, RESTRICTIVE COVENANTS, OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
- LOCATIONS ARE LIMITED TO VISUAL IMPROVEMENTS ONLY.
- NO EXISTING IMPROVEMENTS WERE LOCATED OTHER THAN THOSE SHOWN HEREON.
- THIS SURVEY DOES NOT REFLECT, DETERMINE, OR GUARANTEE OWNERSHIP.
- NO ATTEMPT WAS MADE TO LOCATE ANY UNDERGROUND FOUNDATIONS, SEPTIC/DRAIN FIELDS, UNDERGROUND UTILITIES, OR OVERHEAD UTILITIES.
- NO ATTEMPT WAS MADE TO LOCATE WRITTEN OR UNWRITTEN EASEMENTS OR RIGHT OF WAYS OTHER THAN THOSE SHOWN HEREON.
- ANY ITEM SHOWN HEREON AND DESIGNATED AS "FOR ILLUSTRATIVE PURPOSES ONLY", HAS NOT BEEN FIELD VERIFIED BY THE UNDERSIGNED, AND IS FOR VISUAL REPRESENTATION ONLY.
- NO BOUNDARY SURVEY WAS PERFORMED FOR, OR DURING, THIS TOPOGRAPHIC SURVEY. RIGHT OF WAY AND PARCEL LINES ARE BASED ON THE ESCAMBIA COUNTY PROPERTY APPRAISER'S MAPS. THEY ARE "FOR ILLUSTRATIVE PURPOSES ONLY".
- ADDITIONS OR DELETIONS TO SURVEY MAP(S) OR REPORT(S) BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTIES.
- THE TOPOGRAPHIC SURVEY MAP AND REPORT OR COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- THE TOPOGRAPHIC SURVEY AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
- NO OTHER PERSON(S) AND/OR ENTITY(IES) OTHER THAN THOSE CERTIFIED TO ABOVE MAY USE THIS TOPOGRAPHIC SURVEY OR COPIES THEREOF, FOR ANY REASON WHATSOEVER, WITHOUT THE PRIOR WRITTEN CONSENT OF THE UNDERSIGNED.
- THE OFFICIAL RECORD OF THIS SURVEY IS THE ORIGINAL SIGNED AND SEALED PAPER VERSION. ANY ELECTRONIC VERSION(S) IS NOT VALID UNLESS IT IS IDENTICAL IN ALL FORMS AND RESPECTS TO THE ORIGINAL SIGNED AND SEALED PAPER VERSION. THE ONUS OF COMPARISON IS PLACED ON THE USER OF THE ELECTRONIC VERSION.
- DOCUMENTS USED IN THE PREPARATION OF THIS TOPOGRAPHIC SURVEY: STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION HORIZONTAL AND VERTICAL CONTROL SHEETS; EXISTING FIELD MONUMENTATION; PLAT OF WEST PENSACOLA HEIGHTS AS RECORDED IN PLAT BOOK 2, PAGE 34A IN THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA; DEEDS OF RECORD AS RECORDED IN THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA; GENERAL LAND OFFICE (GLO) PLATS FOR TOWNSHIP 1 SOUTH, RANGE 30 WEST; AND ESCAMBIA COUNTY PROPERTY APPRAISER'S MAPS.

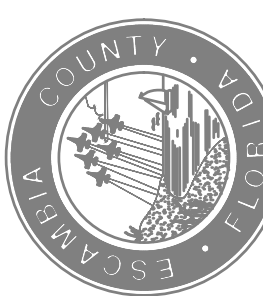
LEGEND:


	- POWER POLE
	- GUY WIRE
	- SHRUBS OR LANDSCAPING
	- SIGN
	- MAIL BOX
	- BRICK MAIL BOX
	- WATER METER
	- WATER VALVE
	- FIRE HYDRANT
	- EDGE OF PAVEMENT
	- RIGHT-OF-WAY
	- CORRUGATED METAL PIPE
	- REINFORCED CONCRETE PIPE
	- POLYVINYL CHLORIDE
	- TEMPORARY BENCHMARK
	- NORTH AMERICAN VERTICAL DATUM OF 1988
	- SPOT ELEVATION
	- R/W LINE
	- PROPERTY LINE
	-70----- CONTOUR LINE
	-X----- CHAIN LINK FENCE
	-W----- WATER LINE
	-FO----- FIBER OPTIC LINE
	-G----- GAS LINE
	-FM----- SANITARY SEWER FORCE MAIN
	-OU----- OVERHEAD UTILITY LINE
	-S----- UNDERGROUND STORM WATER LINE
	- ASPHALT

NEW WORK LEGEND

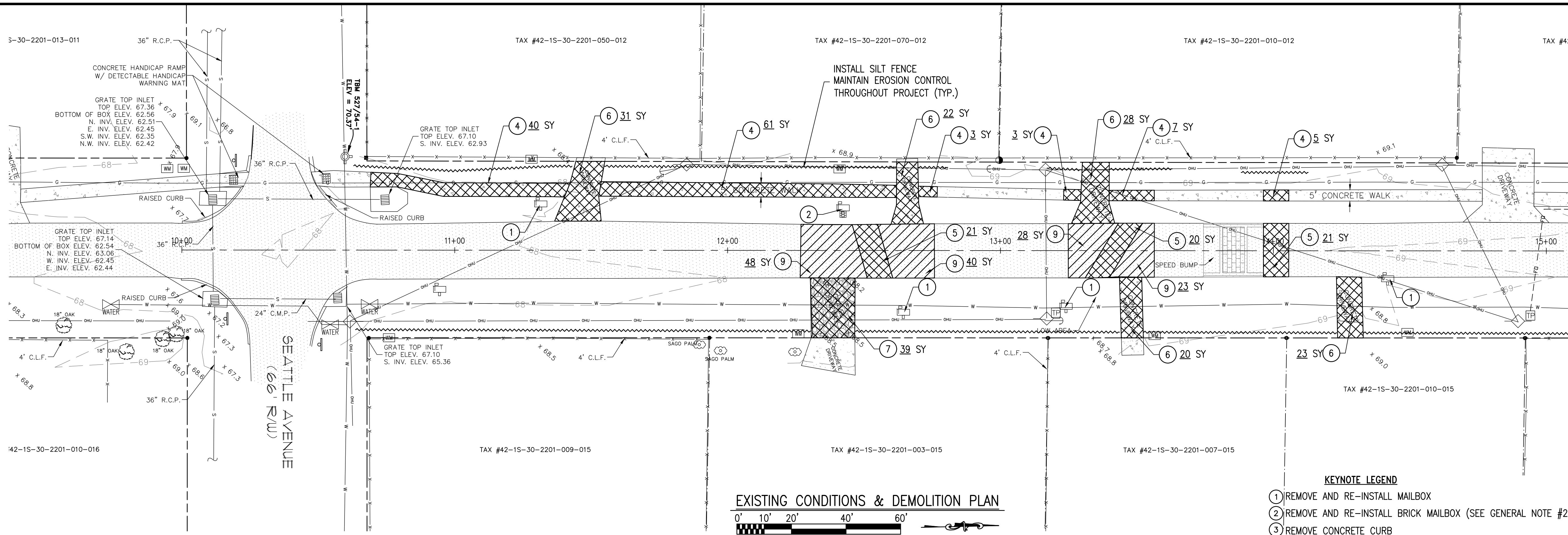
	ITEM TO BE REMOVED
	CONCRETE PAVING
	ASPHALT PAVING
	GRADE CONTOUR LINE
	STORM DRAIN LINE
	STORM INLET
	TOP PAVING ELEVATION
	TOP CONCRETE ELEVATION
	FINISH GRADE ELEVATION
	TOP ELEVATION
	INVERT ELEVATION

DALLAS AVENUE DRAINAGE IMPROVEMENTS GENERAL NOTES & LEGEND



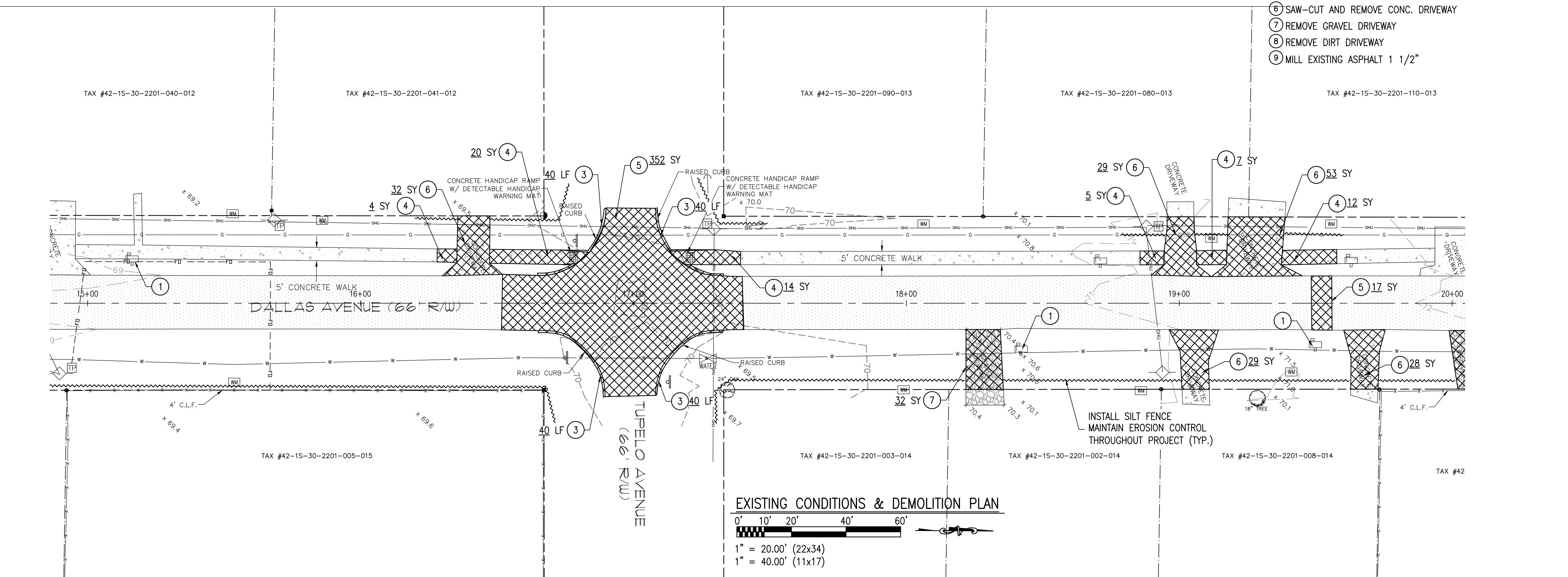
 Kenneth Horne & Associates, Inc. CIVIL ENGINEERS	7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504 (850) 471-9005 info@k-h-a.com FAX (850) 471-0933	CHECKED BY: R. KRASNOSKY DESIGNED BY: R. KRASNOSKY PROJECT MANAGER: N. CHAUVIN DATE: NOVEMBER 7, 2017 FIELDBOOK PAGES: XXXXXX	REG. FLA. ENG. NO. 49949 DATE:	SIGNATURE:
DRAWING NUMBER 2017-14	SURVEY NUMBER 2017-XXXX			
SHEET 2 OF 15				

PHASE	REVIEW	DATE	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (GR)	CORRECT (Green Highlighter) Change (Red Pen X-Out to Disagree or Remark)	DATE	VERIFICATION, CHECKER (OR)	(Blue Highlighter)	DATE	REMARK INCORPORATION (Blue Highlighter)	DATE	ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	DATE	SIGNATURE:
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EXISTING CONDITIONS & DEMOLITION PLAN
 0' 10' 20' 40' 60'
 1" = 20.00' (22x34)
 1" = 40.00' (11x17)

- KEYNOTE LEGEND**
- ① REMOVE AND RE-INSTALL MAILBOX
 - ② REMOVE AND RE-INSTALL BRICK MAILBOX (SEE GENERAL NOTE #25)
 - ③ REMOVE CONCRETE CURB
 - ④ SAW-CUT AND REMOVE CONC. SIDEWALK
 - ⑤ SAW-CUT AND REMOVE ASPHALT
 - ⑥ SAW-CUT AND REMOVE CONC. DRIVEWAY
 - ⑦ REMOVE GRAVEL DRIVEWAY
 - ⑧ REMOVE DIRT DRIVEWAY
 - ⑨ MILL EXISTING ASPHALT 1 1/2"



EXISTING CONDITIONS & DEMOLITION PLAN
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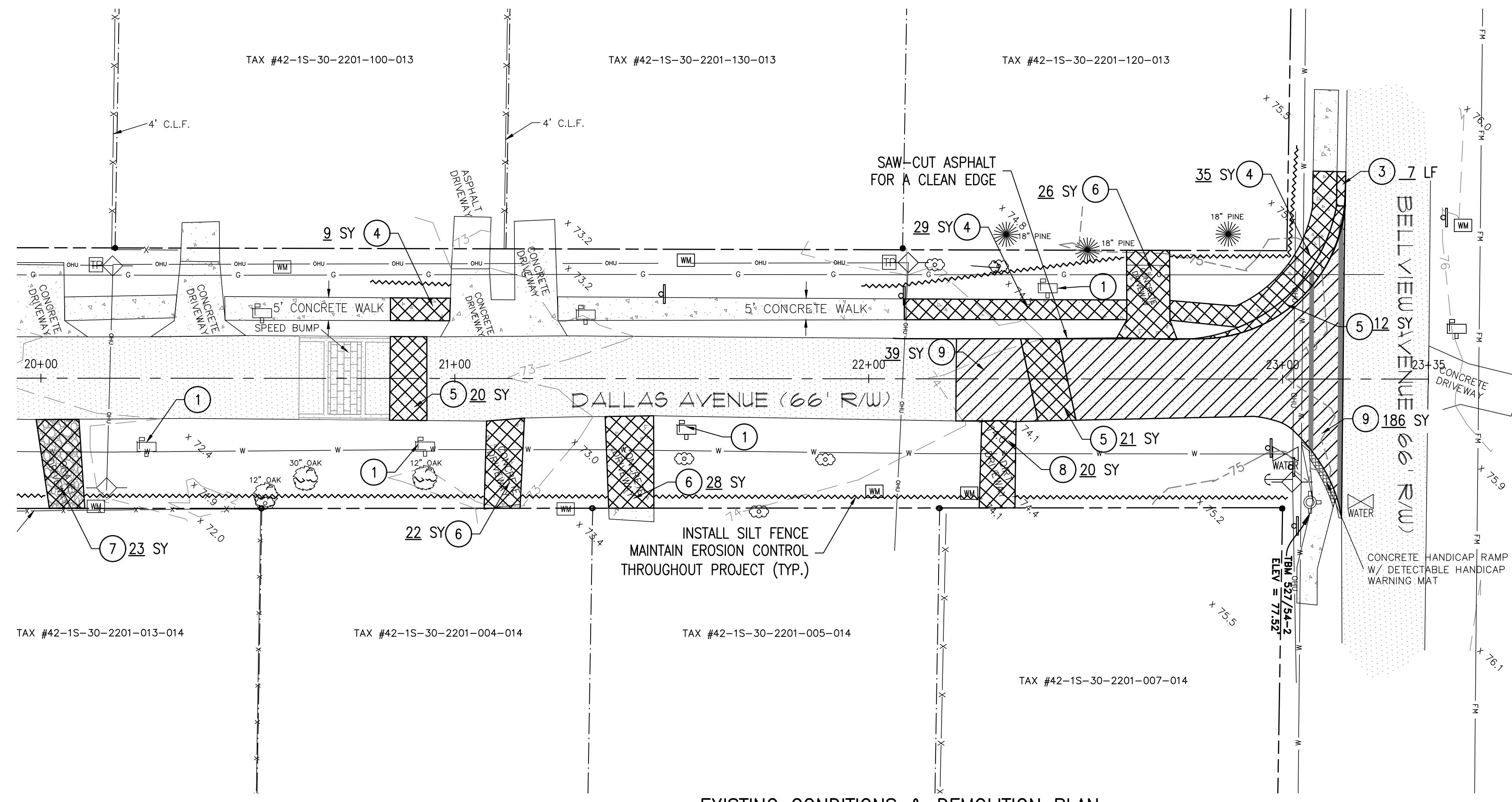
**DALLAS AVENUE
 DRAINAGE IMPROVEMENTS
 EXISTING CONDITIONS
 & DEMOLITION PLAN**



K&E Associates, Inc. CIVIL ENGINEERS		REG. FLA. ENG. NO.	DATE
7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504 (850) 471-9005 info@k-e.com FAX (850) 471-0933		49949	
DRAWN BY: P. CRAWFORD	CHECKED BY: R. KRASNOSKY	DISTRICT:	
DATE: NOVEMBER 7, 2017	PROJECT MANAGER: N. CHAUVIN	SECTION/TOWNSHIP/RANGE:	
FIELDBOOK PAGES: XXXXXX			

REVISIONS	DATE	APPROVED BY
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PROJECT NUMBER	2017-XXXX	
SURVEY NUMBER		
SHEET	4 OF 15	

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (GR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OP)	DATE	ORIGINATOR (OVP)	DATE
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EXISTING CONDITIONS & DEMOLITION PLAN

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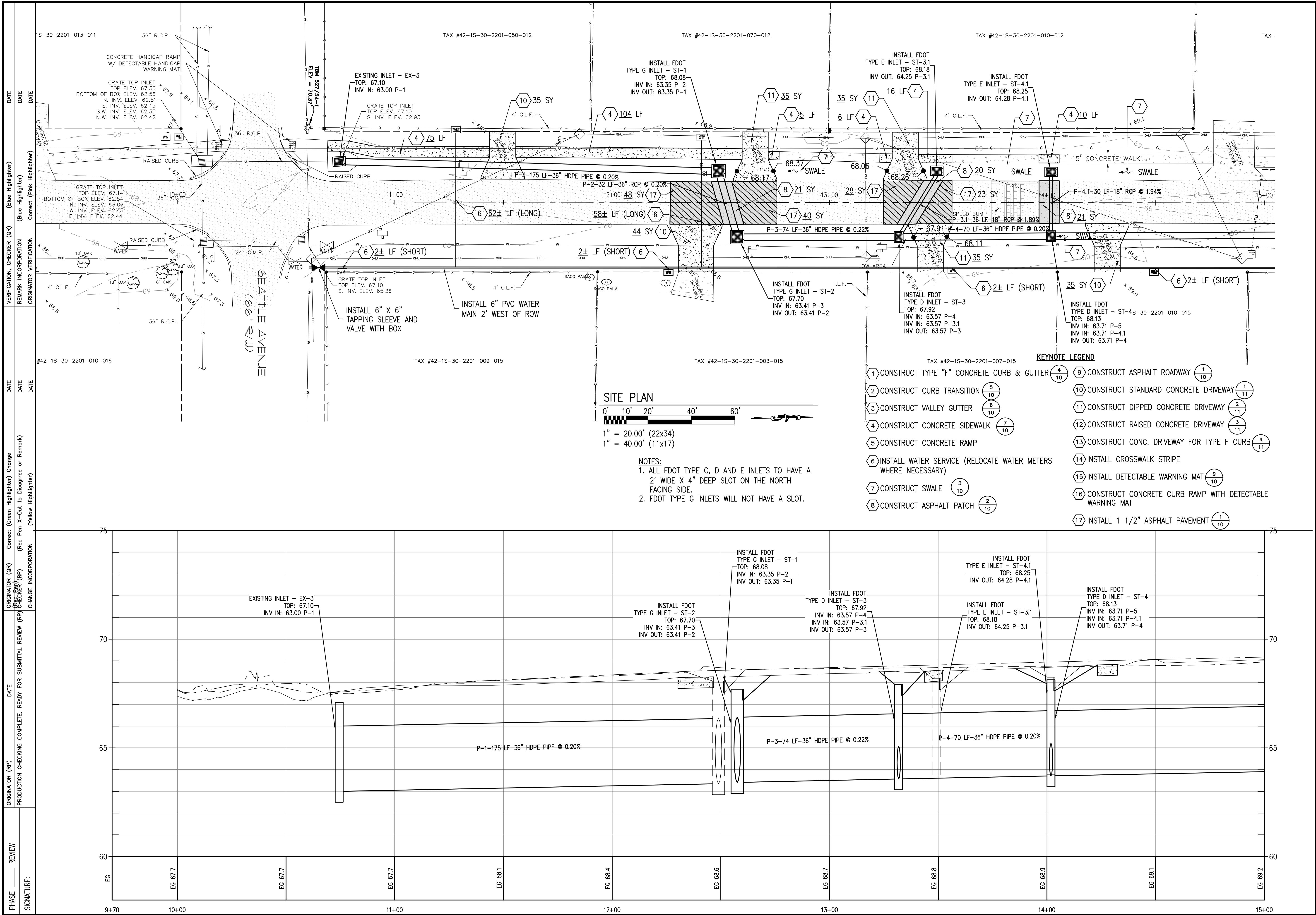
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 - ⑤ SAW-CUT AND REMOVE ASPHALT
 - ⑥ SAW-CUT AND REMOVE CONC. DRIVEWAY
 - ⑦ REMOVE GRAVEL DRIVEWAY
 - ⑧ REMOVE DIRT DRIVEWAY
 - ⑨ MILL EXISTING ASPHALT 1 1/2"

DALLAS AVENUE DRAINAGE IMPROVEMENTS EXISTING CONDITIONS & DEMOLITION PLAN

Kenneth Horne & Associates, Inc. CIVIL ENGINEERS 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504 (850) 471-9005 info@kha.com FAX (850) 471-0033		CHECKED BY: R. KRASNOSKY PROJECT MANAGER N. CHAUVIN	REG. FLA. ENG. NO. 49949 SIGNATURE:
DRAWN BY: P. CRAWFORD	DESIGNED BY: R. KRASNOSKY	DATE: NOVEMBER 7, 2017	DISTRICT: 1
FIELD BOOK PAGES: XXXXXX		SECTION/TOWNSHIP/RANGE: 42.1/S.20W	

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PROJECT NUMBER	2017-14
SURVEY NUMBER	2017-XXXX
SHEET	5 OF 15



**DALLAS AVENUE
DRAINAGE IMPROVEMENTS
PLAN AND PROFILE**

DRAWING NUMBER 2017-14	PROJECT NUMBER 2017-XXXX
SURVEY NUMBER 6	SHEET 6 OF 15

Kenneth Horne & Associates, Inc.
 CIVIL ENGINEERS
 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
 (850) 471-9005 info@kha.com FAX (850) 471-0033

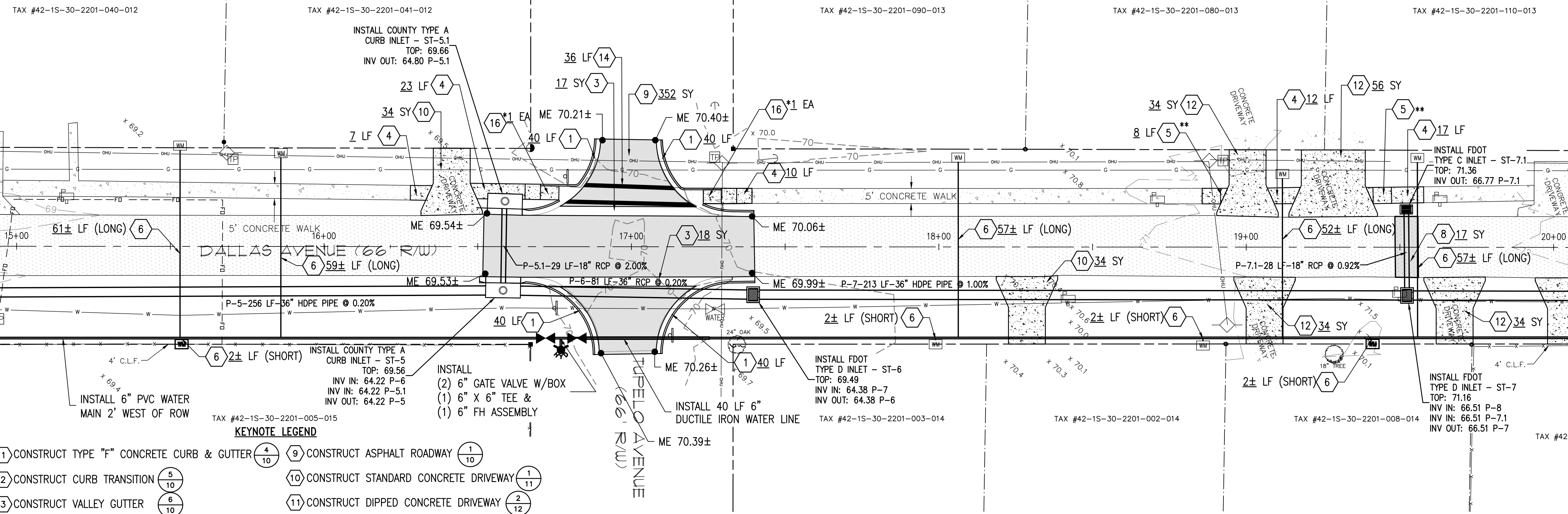
DESIGNED BY: R. KRASNOSKY
 CHECKED BY: R. KRASNOSKY
 DRAWN BY: P. CRAWFORD
 DATE: NOVEMBER 7, 2017
 FIELDBOOK PAGES: XXXXXX

REG. FLA. ENG. NO. 49949
 SIGNATURE: _____
 DATE: _____
 DISTRICT: _____
 SECTION/TOWNSHIP/RANGE: 42.1 S. / 15.0 W.

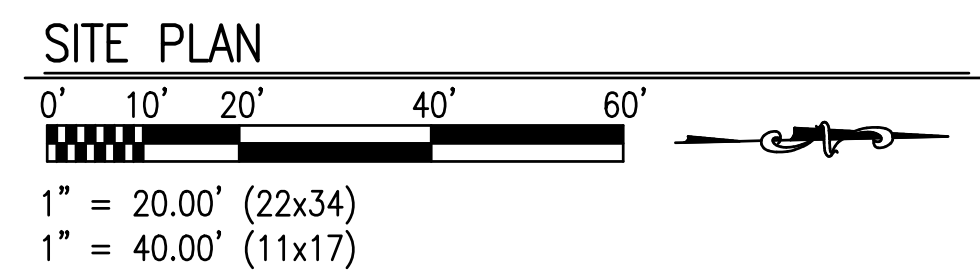
PHASE _____ REVIEW _____
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 PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP) _____ DATE _____
 CHECKER (RP) _____ DATE _____
 CHANGE INCORPORATION (Yellow Highlighter) _____

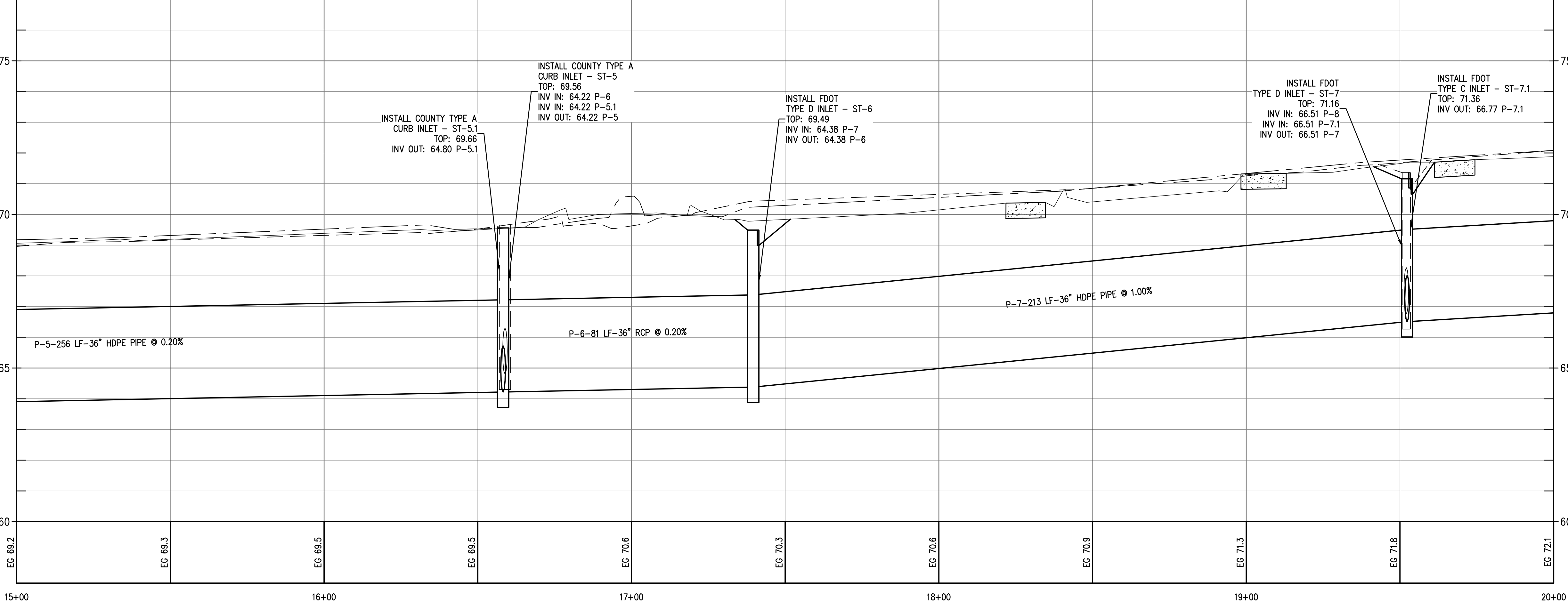
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 ORIGINAL (OR) _____ DATE _____
 VERIFICATION, CHECKER (OR) _____ DATE _____
 REMARK INCORPORATION (Blue Highlighter) _____
 ORIGINATOR VERIFICATION (Pink Highlighter) Correct _____



- KEYNOTE LEGEND**
- 1) CONSTRUCT TYPE "F" CONCRETE CURB & GUTTER
 - 2) CONSTRUCT CURB TRANSITION
 - 3) CONSTRUCT VALLEY GUTTER
 - 4) CONSTRUCT CONCRETE SIDEWALK
 - 5) CONSTRUCT CONCRETE RAMP
 - 6) INSTALL WATER SERVICE (RELOCATE WATER METERS WHERE NECESSARY)
 - 7) CONSTRUCT SWALE
 - 8) CONSTRUCT ASPHALT PATCH
 - 9) CONSTRUCT ASPHALT ROADWAY
 - 10) CONSTRUCT STANDARD CONCRETE DRIVEWAY
 - 11) CONSTRUCT DIPPED CONCRETE DRIVEWAY
 - 12) CONSTRUCT RAISED CONCRETE DRIVEWAY
 - 13) CONSTRUCT CONC. DRIVEWAY FOR TYPE F CURB
 - 14) INSTALL CROSSWALK STRIPE
 - 15) INSTALL DETECTABLE WARNING MAT
 - 16) CONSTRUCT CONCRETE CURB RAMP WITH DETECTABLE WARNING MAT
 - 17) INSTALL 1 1/2" ASPHALT PAVEMENT



- NOTES:**
- ALL FDOT TYPE C, D AND E INLETS TO HAVE A 2' WIDE X 4" DEEP SLOT ON THE NORTH FACING SIDE.
 - FDOT TYPE G INLETS WILL NOT HAVE A SLOT.
- * - SEE DETAIL 9/10
 ** - MAX 1:12 SLOPE



**DALLAS AVENUE
 DRAINAGE IMPROVEMENTS
 PLAN AND PROFILE**

Kenneth Horne & Associates, Inc.
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DESIGNED BY: R. KRASNOSKY
 DRAWN BY: P. CRAWFORD
 DATE: NOVEMBER 7, 2017
 FIELDBOOK PAGES: XXXXXX

CHECKED BY: R. KRASNOSKY
 PROJECT MANAGER: N. CHAUVIN
 DATE: NOVEMBER 7, 2017
 FIELDBOOK PAGES: XXXXXX

REG. FLA. ENG. NO. 49949
 SIGNATURE: _____

SECTION: TOWNSHIP RANGE 42.1 S. 20W

REVISIONS: _____
 DATE: _____
 APPROVED BY: _____

DRAWING NUMBER: 2017-14
 PROJECT NUMBER: 2017-XXXX
 SURVEY NUMBER: _____

SHEET 7 OF 15

PHASE _____ REVIEW _____ DATE _____

SIGNATURE: _____

ORIGINATOR (RP) _____ DATE _____

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ORIGINATOR (RP) CHANGE INCORPORATION (Yellow Highlighter) _____ DATE _____

CHECKER (RP) _____ DATE _____

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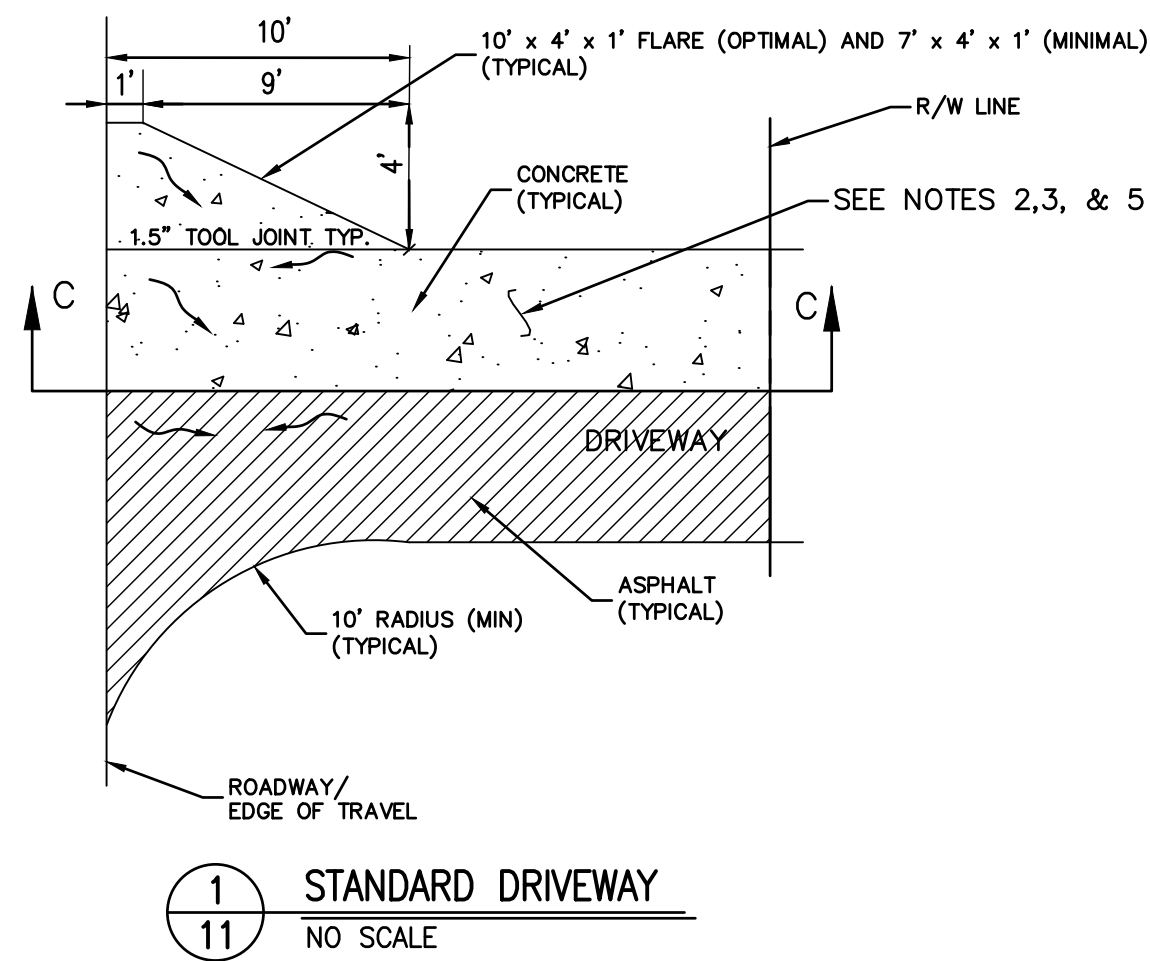
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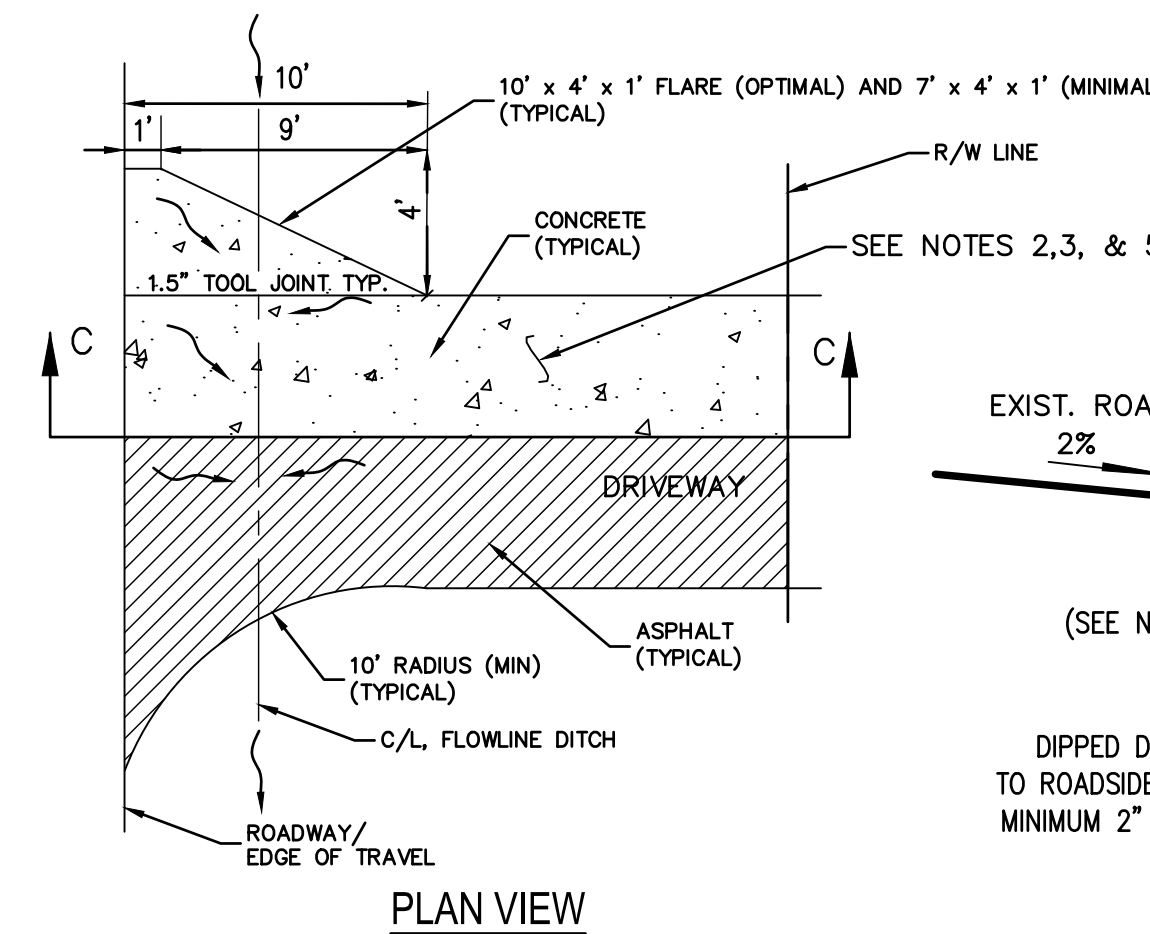
TYPICAL DRIVEWAY CONNECTION STANDARDS FOR EXISTING ROADWAY CONDITIONS

NOTES:

- 1) ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.
- 2) RESIDENTIAL DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1 - 1/2" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" CONCRETE WITH 6" STABILIZED SUB GRADE - 98% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
- 3) DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
- 4) IF NECESSARY, REFER TO FDOT INDEX DETAILS AS REFERENCED BELOW.
- 5) RADIUS OR FLARE IS REQUIRED FOR TYPE II OR TYPE III CONNECTIONS. SEE DETAIL.
- 6) PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
- 7) TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM. (SEE NOTE #2 FOR PAVEMENT TYPES AND DEPTHS)
- 8) DRIVEWAY SLOPE SHALL NOT CREATE OR EXACERBATE VEHICULAR SCRAPING. ATTEMPTS SHALL BE MADE TO CORRECT THIS TYPE OF PROBLEM.
- 9) FOR COUNTY IMPROVEMENT PROJECTS, REPLACEMENT DRIVEWAYS SHALL MATCH EXISTING WIDTHS AT ROADWAY EDGE OF TRAVEL WITHOUT COMPROMISING SAFETY.

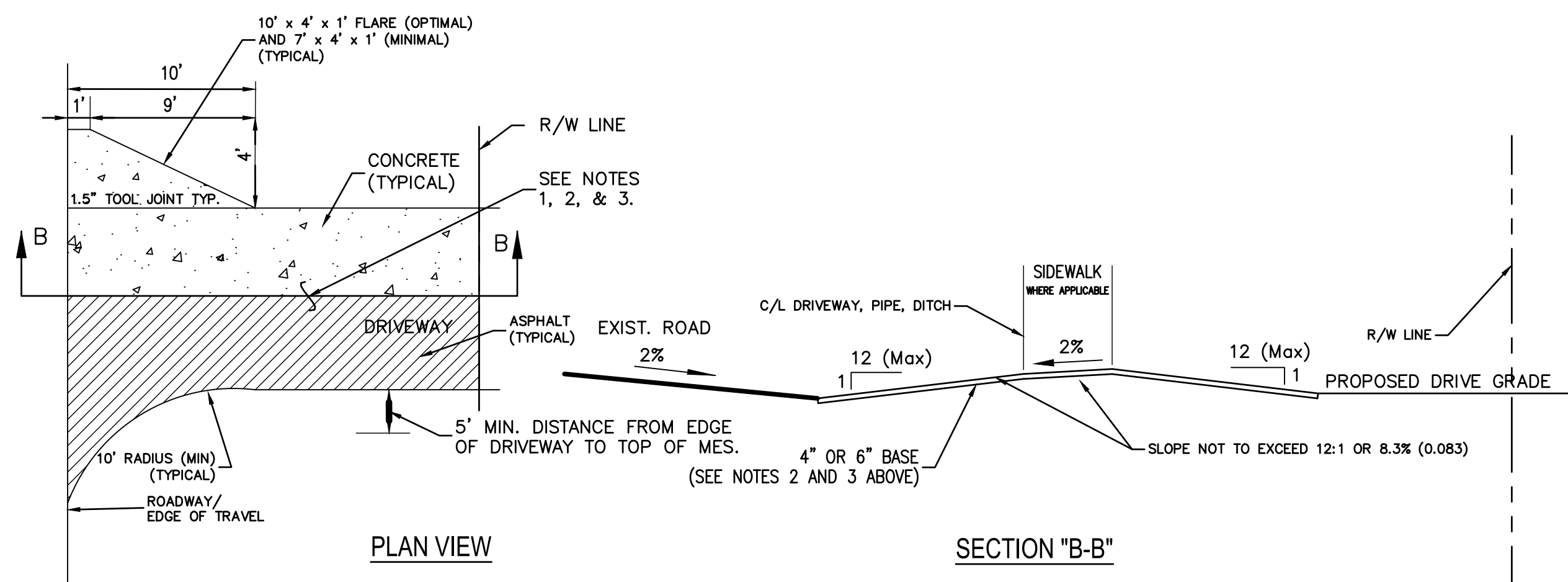
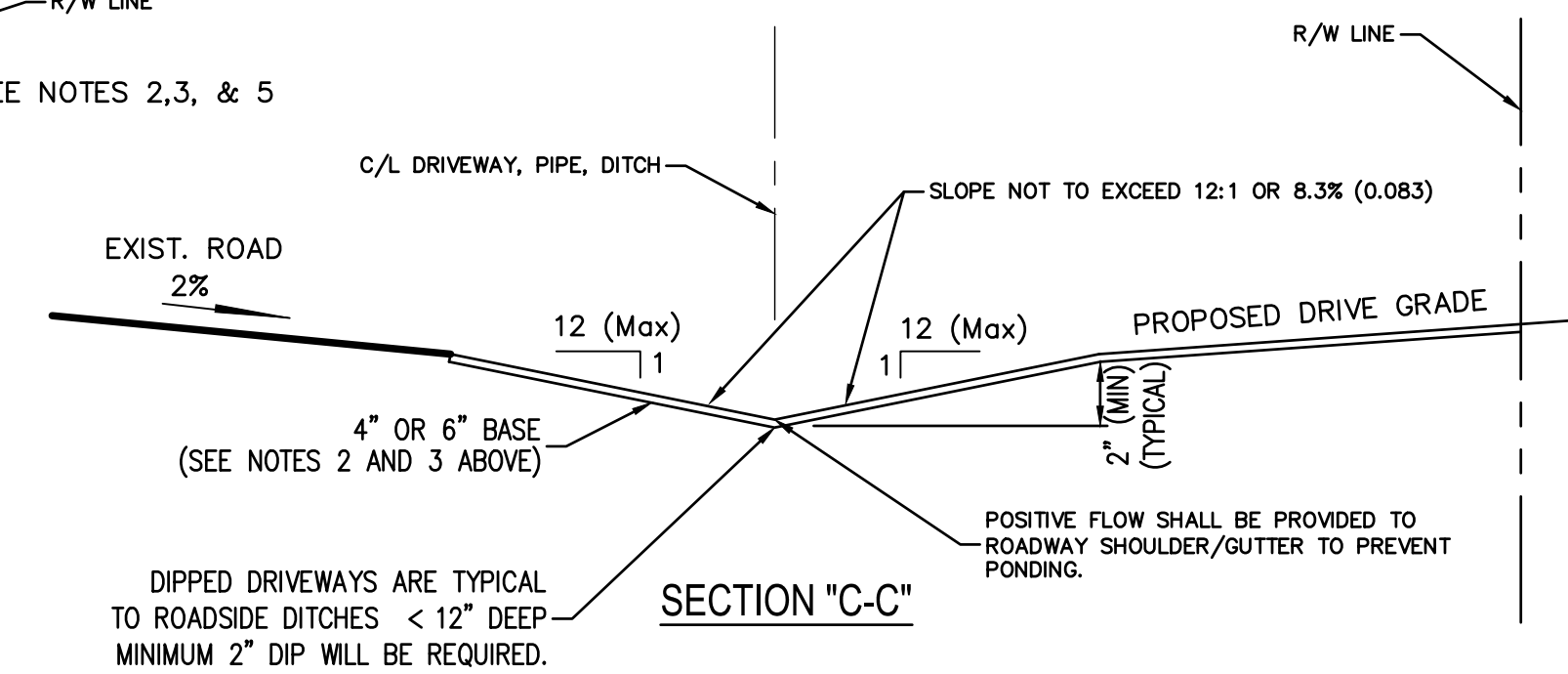


1 STANDARD DRIVEWAY
NO SCALE

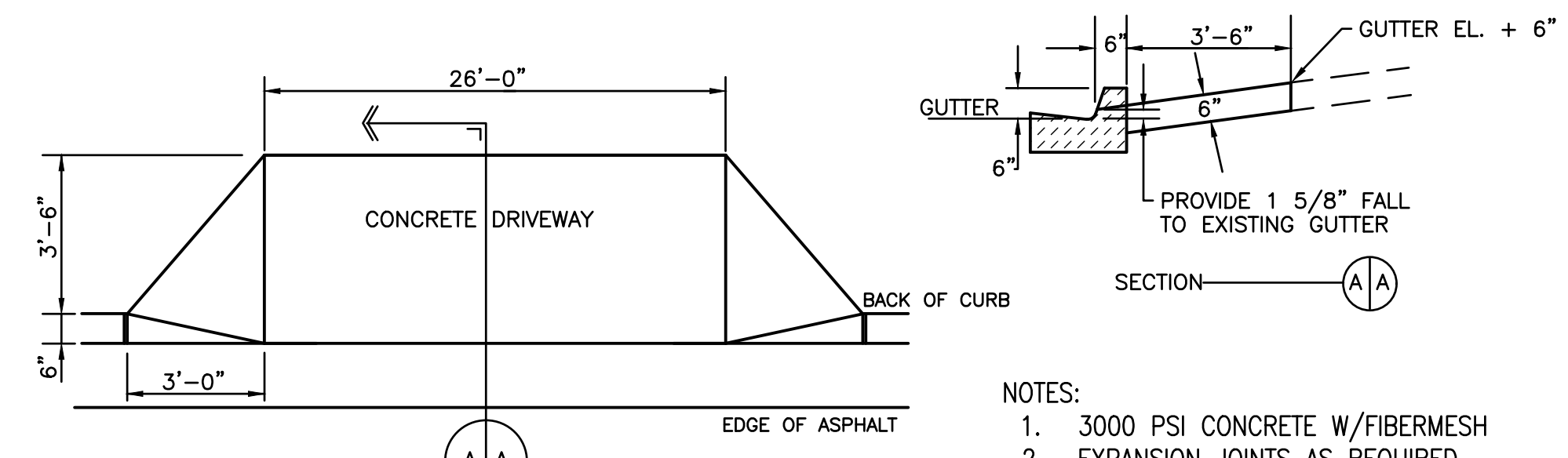


2 STANDARD DIPPED DRIVEWAY
NO SCALE

TYPE II DIPPED DRIVEWAY WITHOUT CROSS PIPE (CULVERT)



3 STANDARD RAISED DRIVEWAY
NO SCALE



4 CURB CUT DRIVEWAY FOR FDOT TYPE F CURB
NO SCALE

- NOTES:
1. 3000 PSI CONCRETE W/FIBERMESH
 2. EXPANSION JOINTS AS REQUIRED
 3. EDGED W/ 1/2" RADIUS AND BROOM FINISH.

**DALLAS AVENUE
DRAINAGE IMPROVEMENTS
DETAILS**



KH&A Kenneth Horne & Associates, Inc.
CIVIL ENGINEERS
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(850) 471-9025 info@kh-a.com FAX (850) 471-0934

DESIGNED BY: R. KRASNOSKY
CHECKED BY: R. KRASNOSKY
PROJECT MANAGER: N. CHAUVIN
DATE: NOVEMBER 7, 2017
FIELD BOOK PAGES: XXXXXX
SECTION/TOWNSHIP/RANGE: 42 / 1S 20W

REVISIONS	DATE	APPROVED BY
FILE LOCATION: L:\Design\Projects\Dallas Drive\Design\DWG\Plan		
DRAWING NUMBER		
PROJECT NUMBER	2017-14	
SURVEY NUMBER	2017-XXXX	
SHEET	11	OF 15

PHASE REVIEW SIGNATURE: _____ DATE _____

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ORIGINATOR (OR) Correct (Green Highlighter) Change (Blue Highlighter)

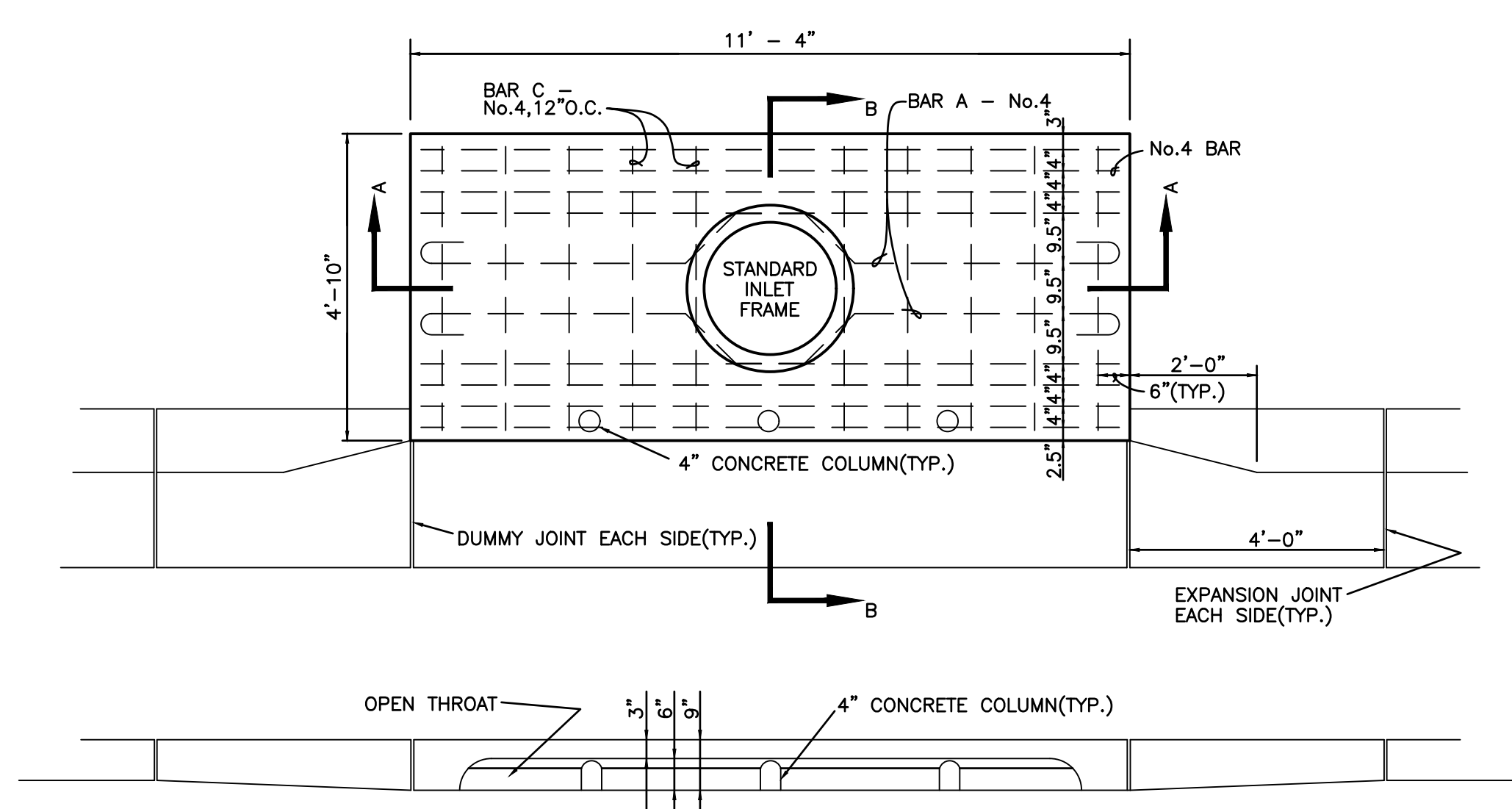
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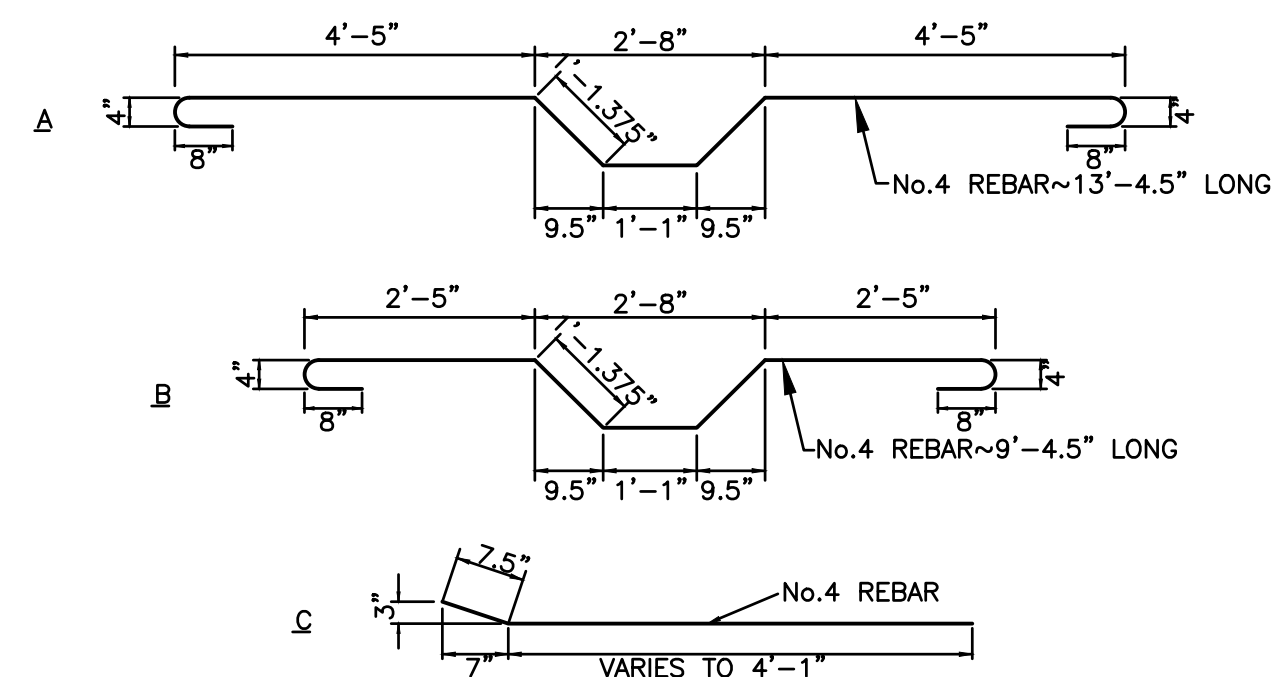
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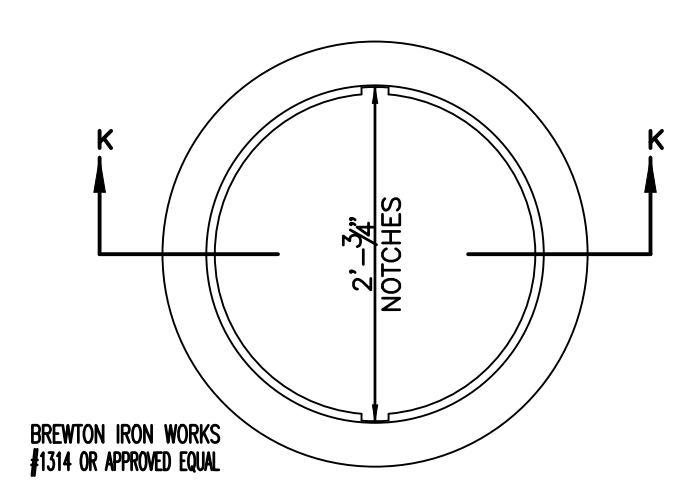


TYPE 'A' & 'A-1' THROAT ELEVATION
NOT TO SCALE

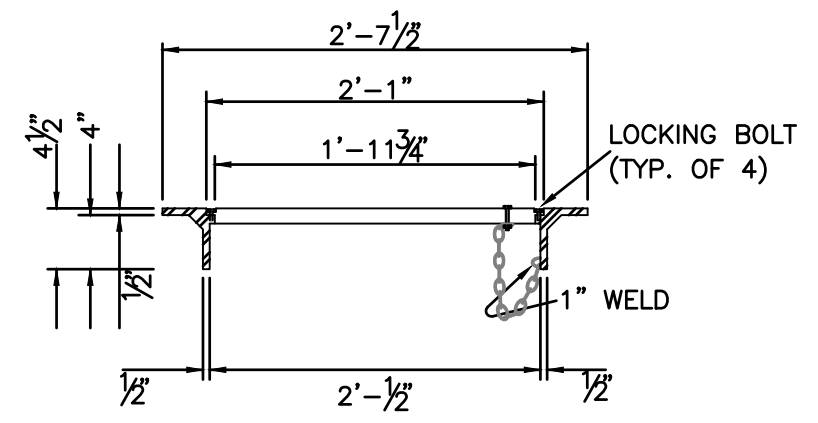


BAR BENDING DETAIL
NOT TO SCALE

1 ESCAMBA COUNTY TYPE 'A' CURB INLET DETAIL
NO SCALE



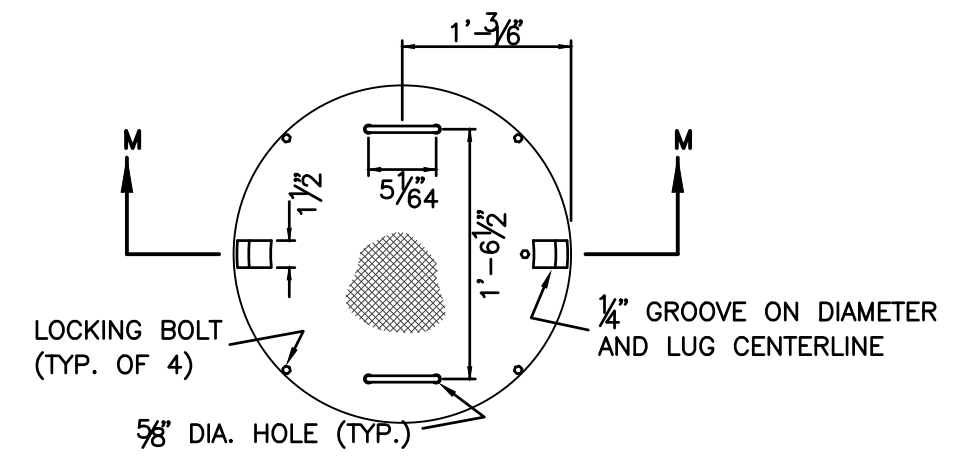
FRAME PLAN



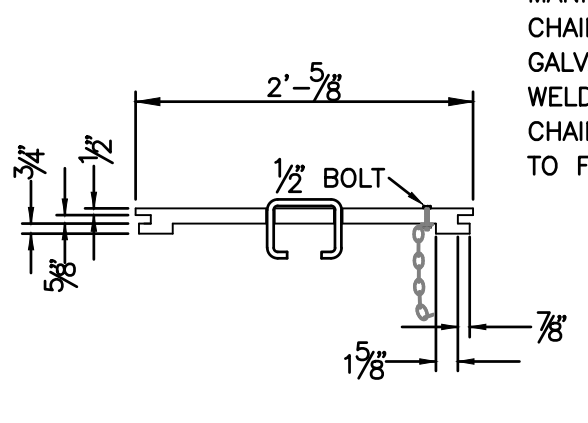
SECTION 'K-K'

NOTE:
ALL INLET COVERS SHALL BE OF TYPE THAT ARE BOLTED TO FRAME. AFTER COUNTY INSPECTION AND ACCEPTANCE ALL COVERS ARE TO BE IN PLACE AND BOLTED.

3 STANDARD INLET FRAME AND COVER
NO SCALE

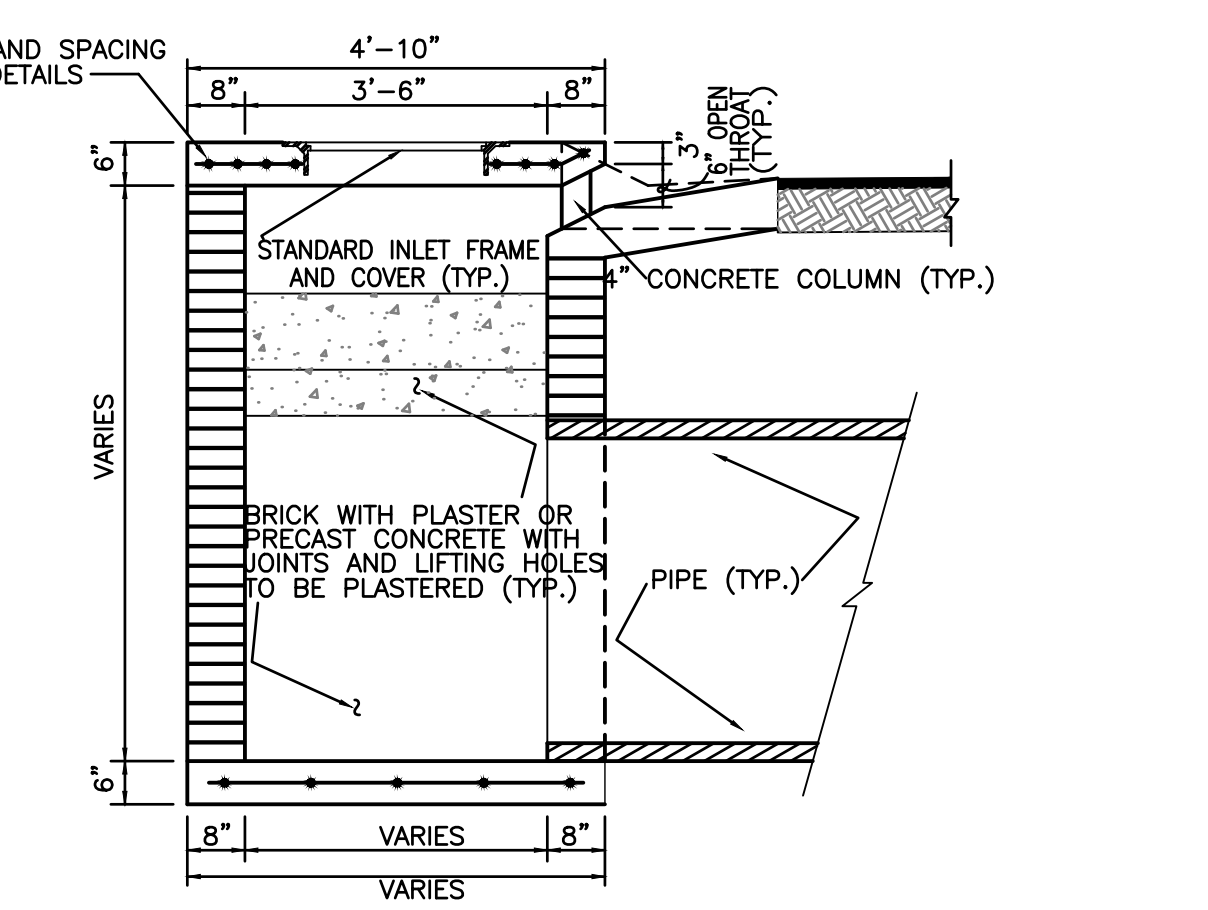


COVER PLAN

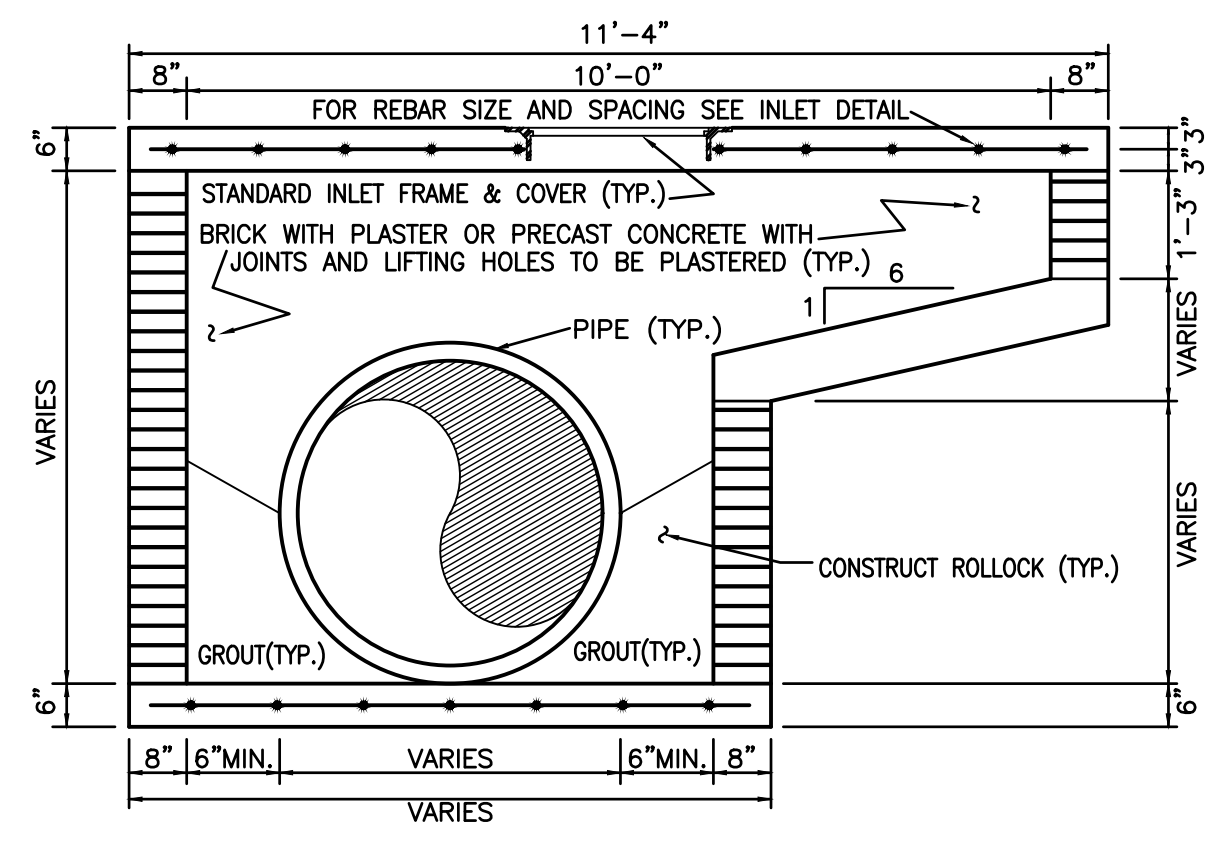


SECTION 'M-M'

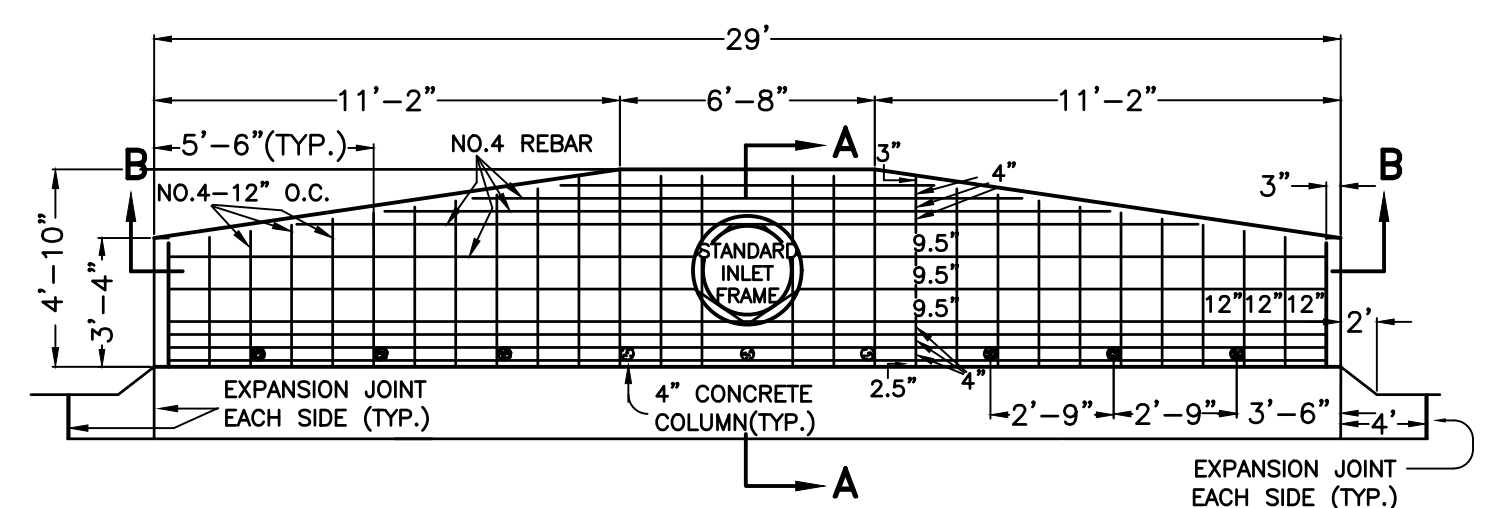
MANHOLE COVER SHALL BE CHAINED TO FRAME W/ 1" GALVANIZED CHAIN 2' LONG. WELD OR BOLT (1/2" BOLT) CHAIN TO COVER AND WELD TO FRAME.



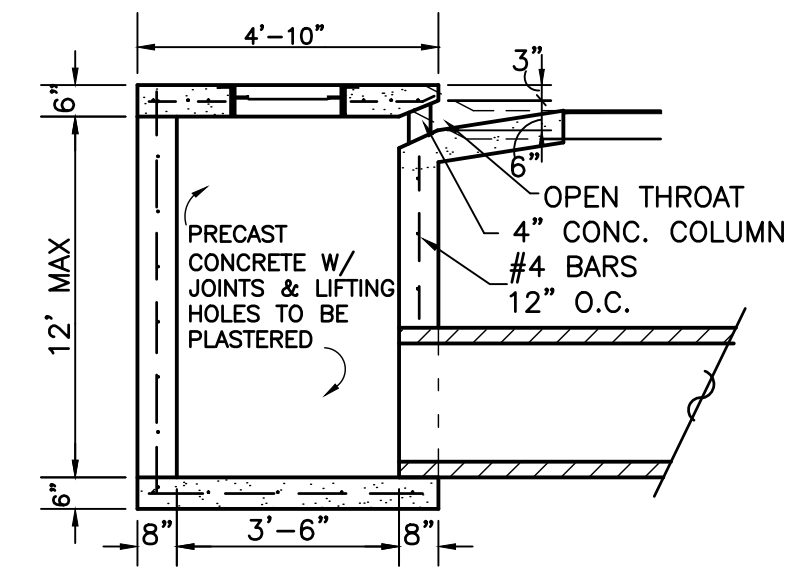
SECTION 'B ~ B'
NOT TO SCALE



SECTION 'A ~ A'
NOT TO SCALE

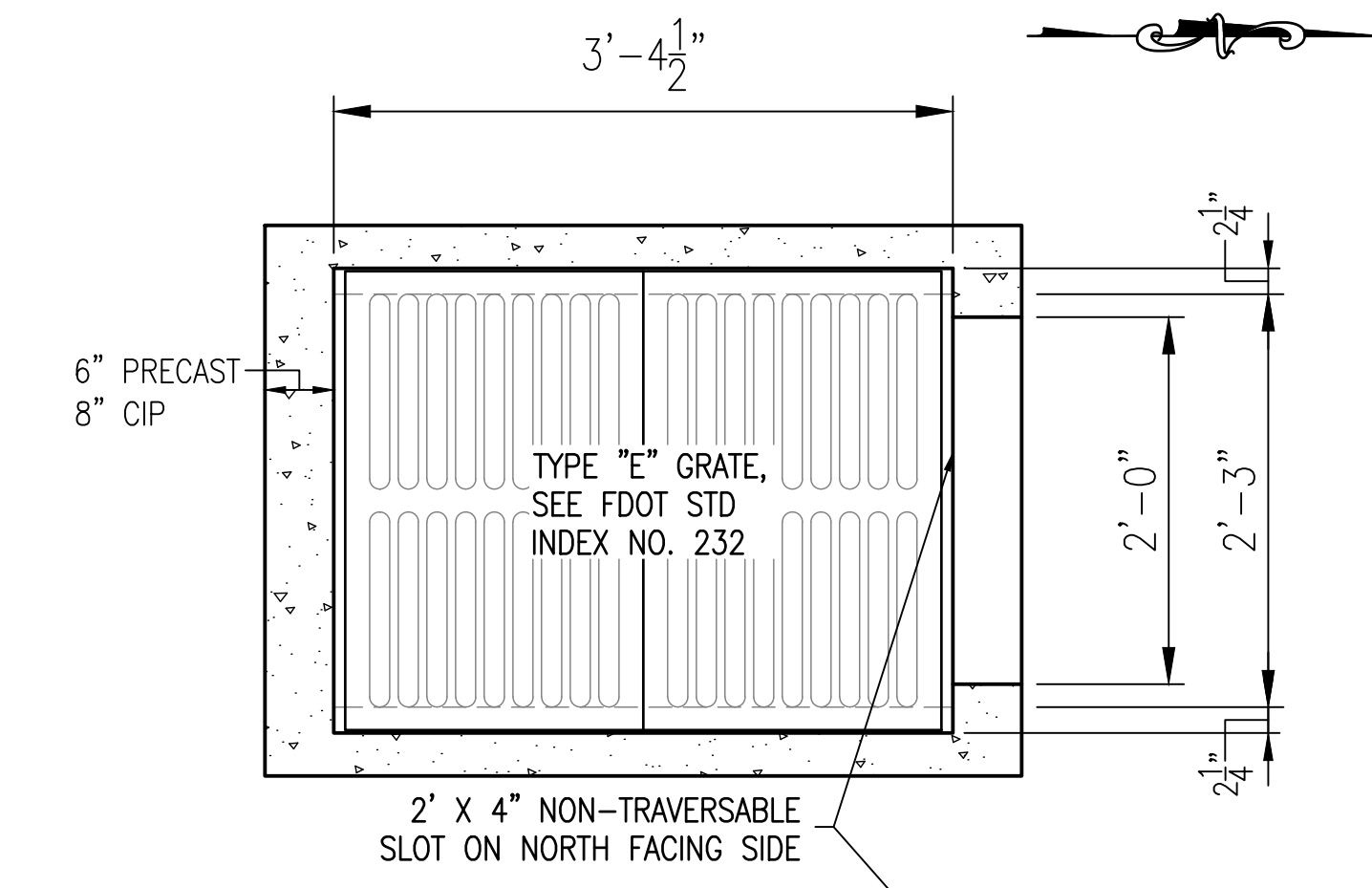


TYPE DOUBLE 'A' DROP INLET PLAN
N.T.S.

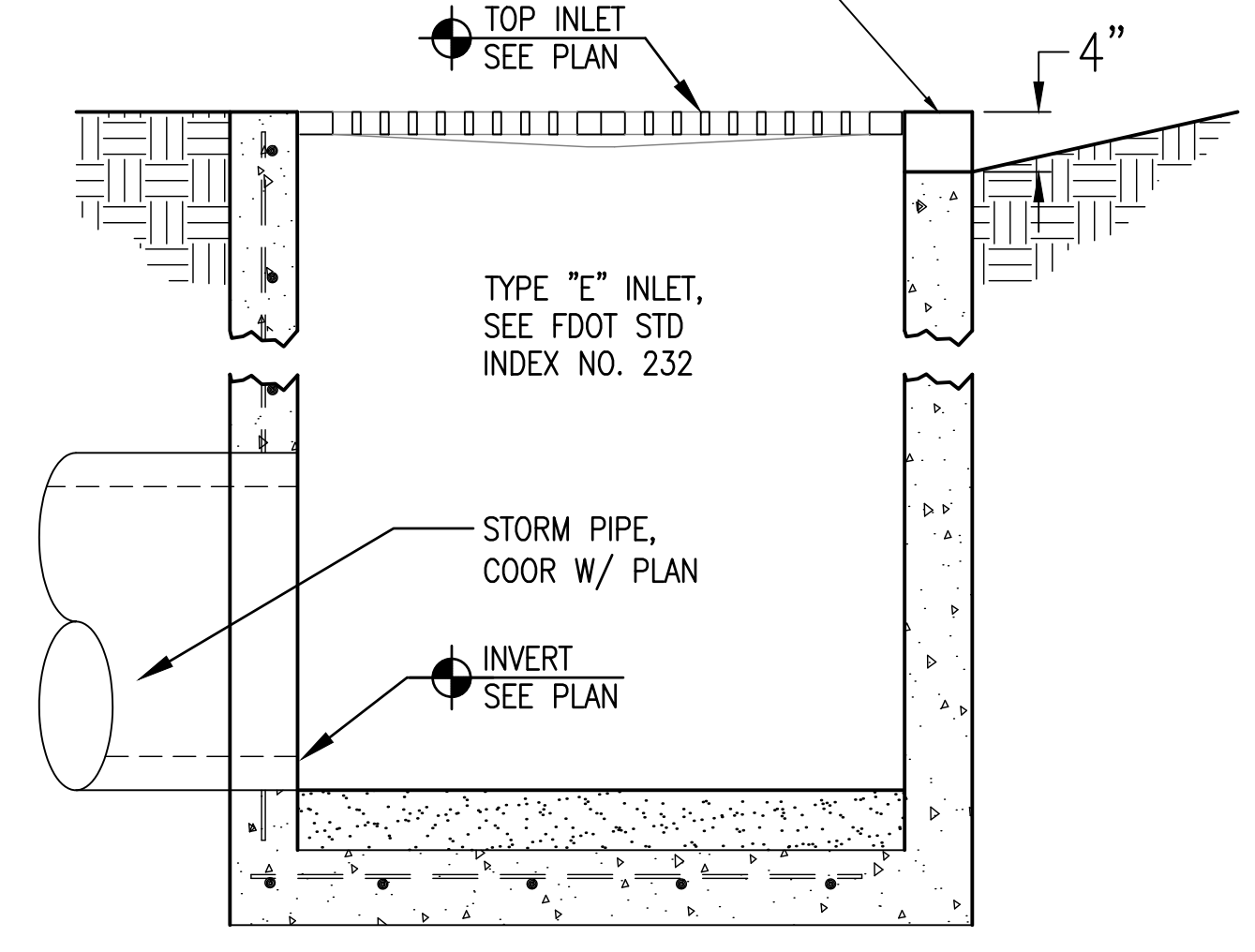


SECTION A-A
NTS

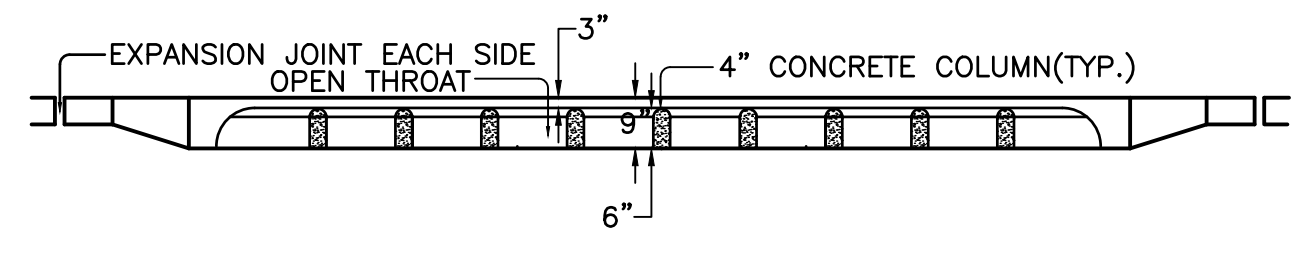
4 ESCAMBA COUNTY TYPE DOUBLE 'A' DROP INLET DETAIL
NO SCALE



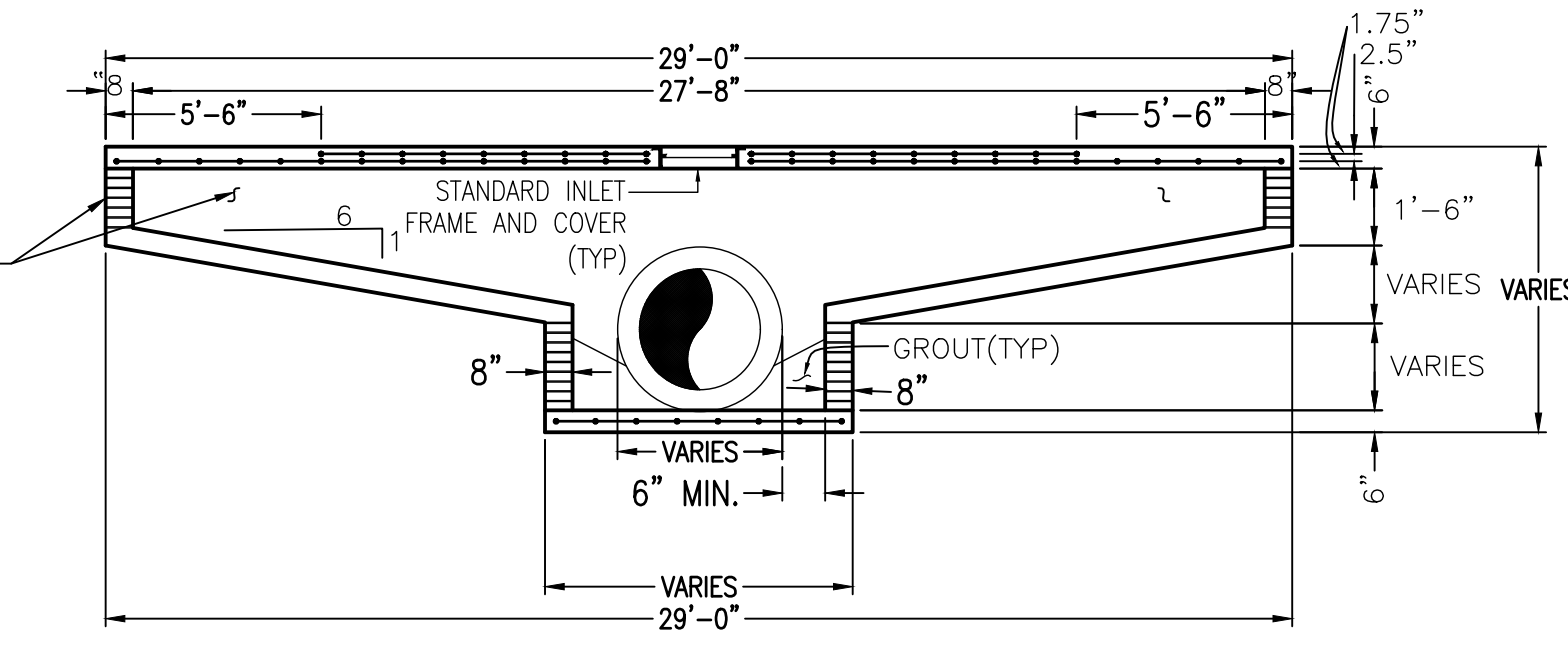
2 TYPE 'E' INLET
NO SCALE



1. FRAME AND COVER SHALL BE VULCAN 1337-2 (ASTM SPEC. A-48, CLASS 30 CAST IRON) OR APPROVED EQUAL.
2. MANHOLE COVER IS TO BE NON-VENTING.



TYPE DOUBLE 'A' THROAT ELEVATION
N.T.S.



SECTION B-B
NTS

DALLAS AVENUE DRAINAGE IMPROVEMENTS DETAILS

Kenneth Home & Associates, Inc.
2301 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504
(850) 471-0025 info@kha.com FAX (850) 471-0033

PROJECT: 2017-14
SURVEY NUMBER: 2017-XXXX

DATE: NOVEMBER 7, 2017
FIELDBOOK PAGES: XXXXXX

SECTION/TOWNSHIP/RANGE: 42 / 1S / 5W

REG. P.L.A. NO.: 49949
CHECKED BY: R. KRASNOSKY
DESIGNED BY: R. KRASNOSKY
PROJECT MANAGER: N. CHAUVIN
DISTRICT: 1
SIGNATURE: _____

REVISIONS: _____

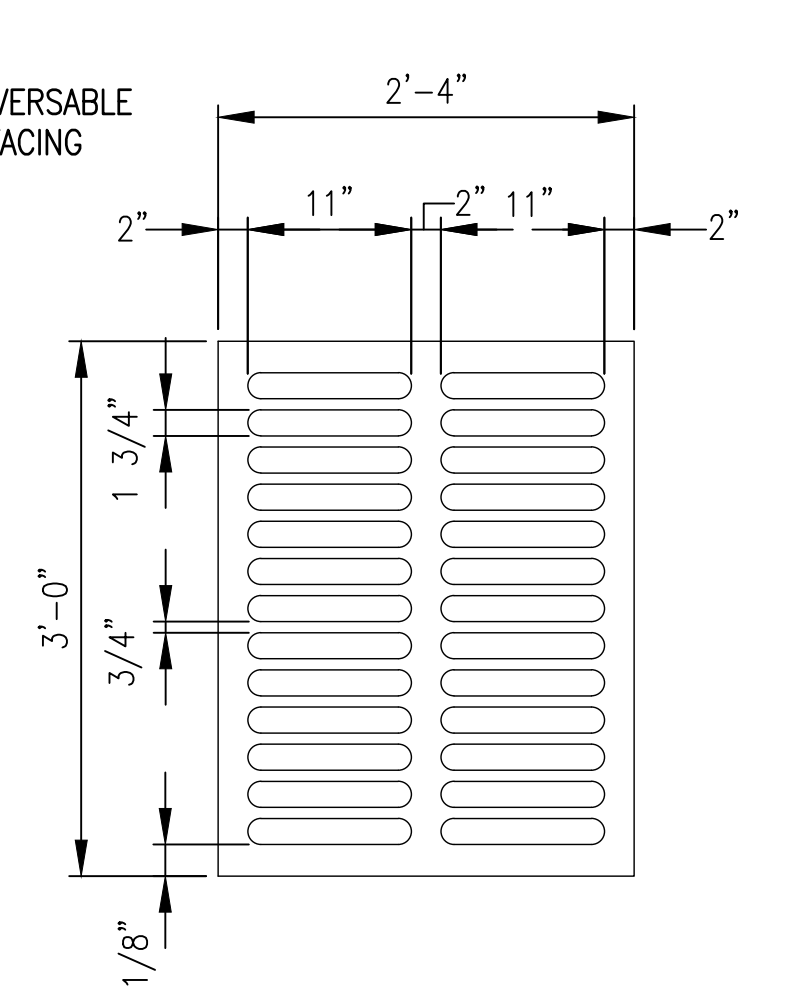
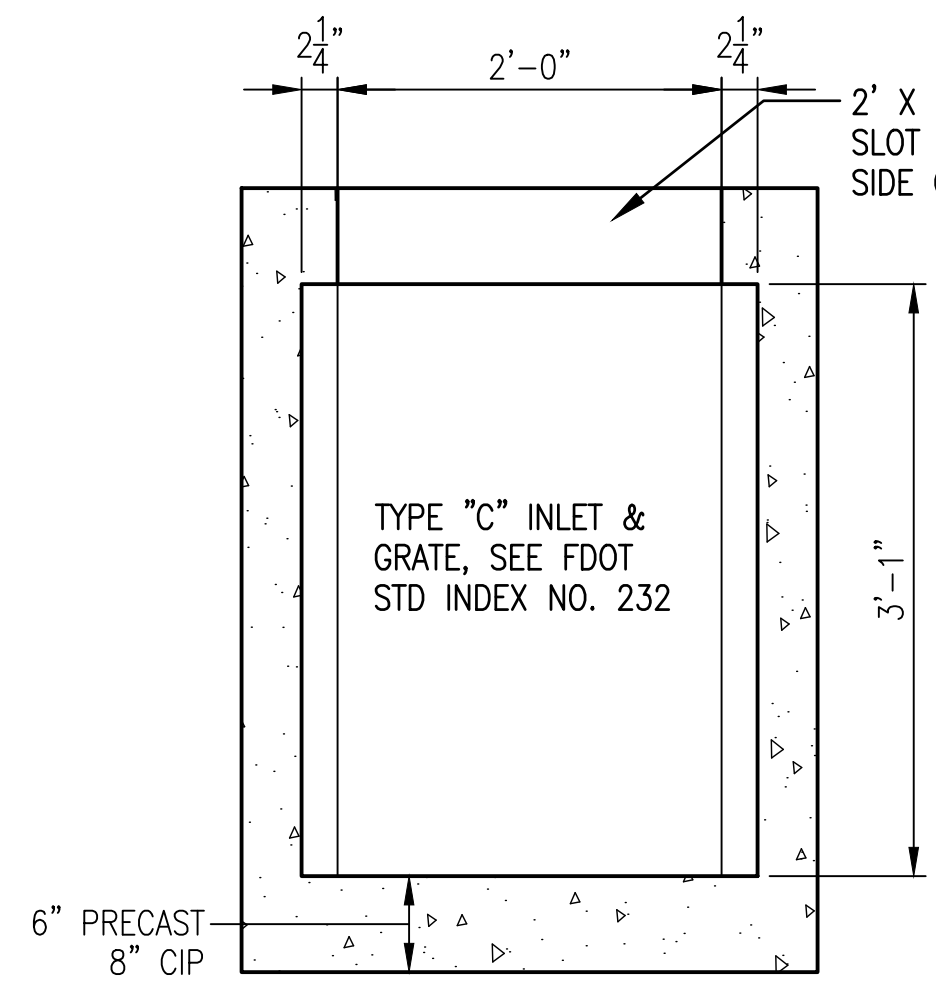
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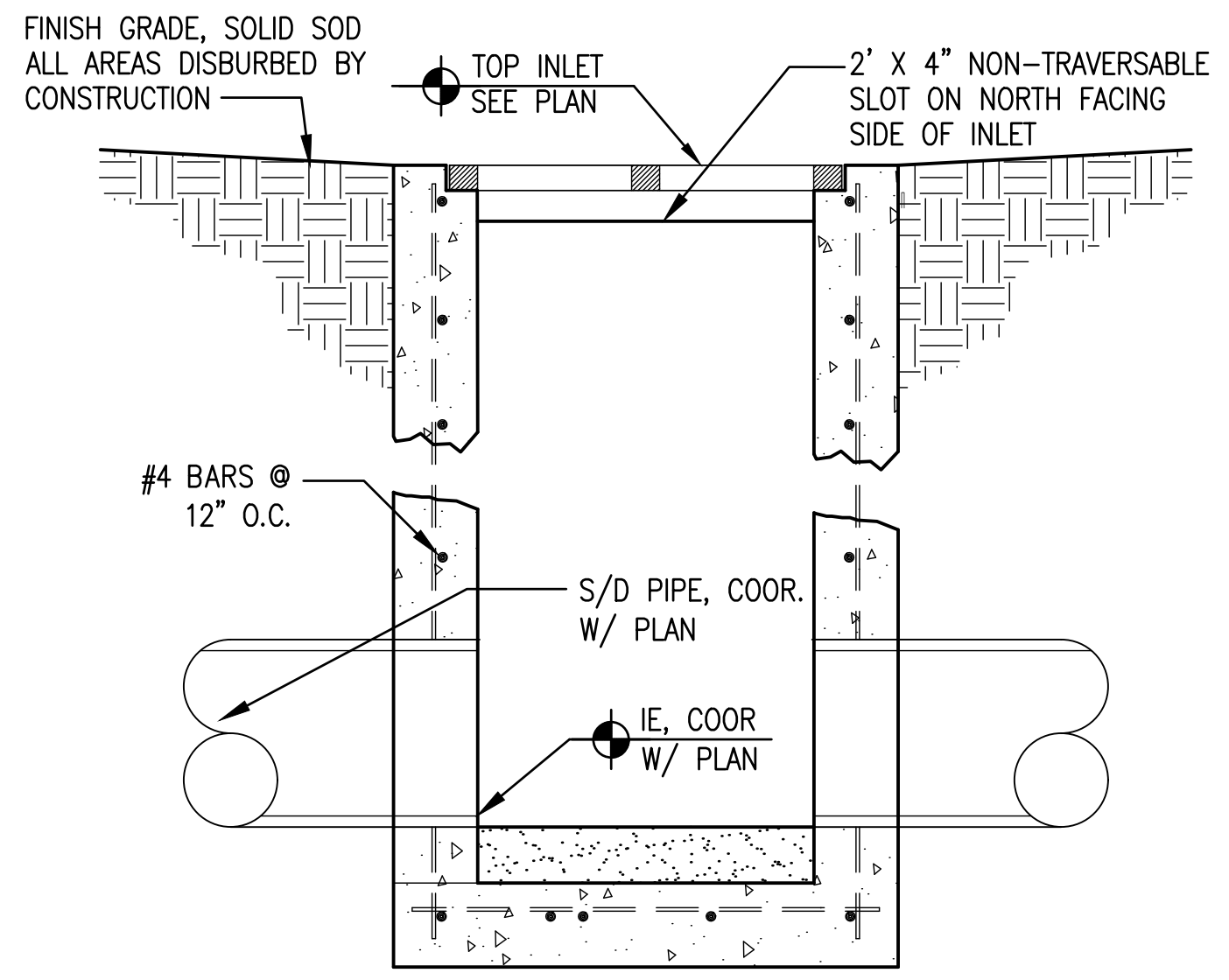
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SHEET 12 OF 15

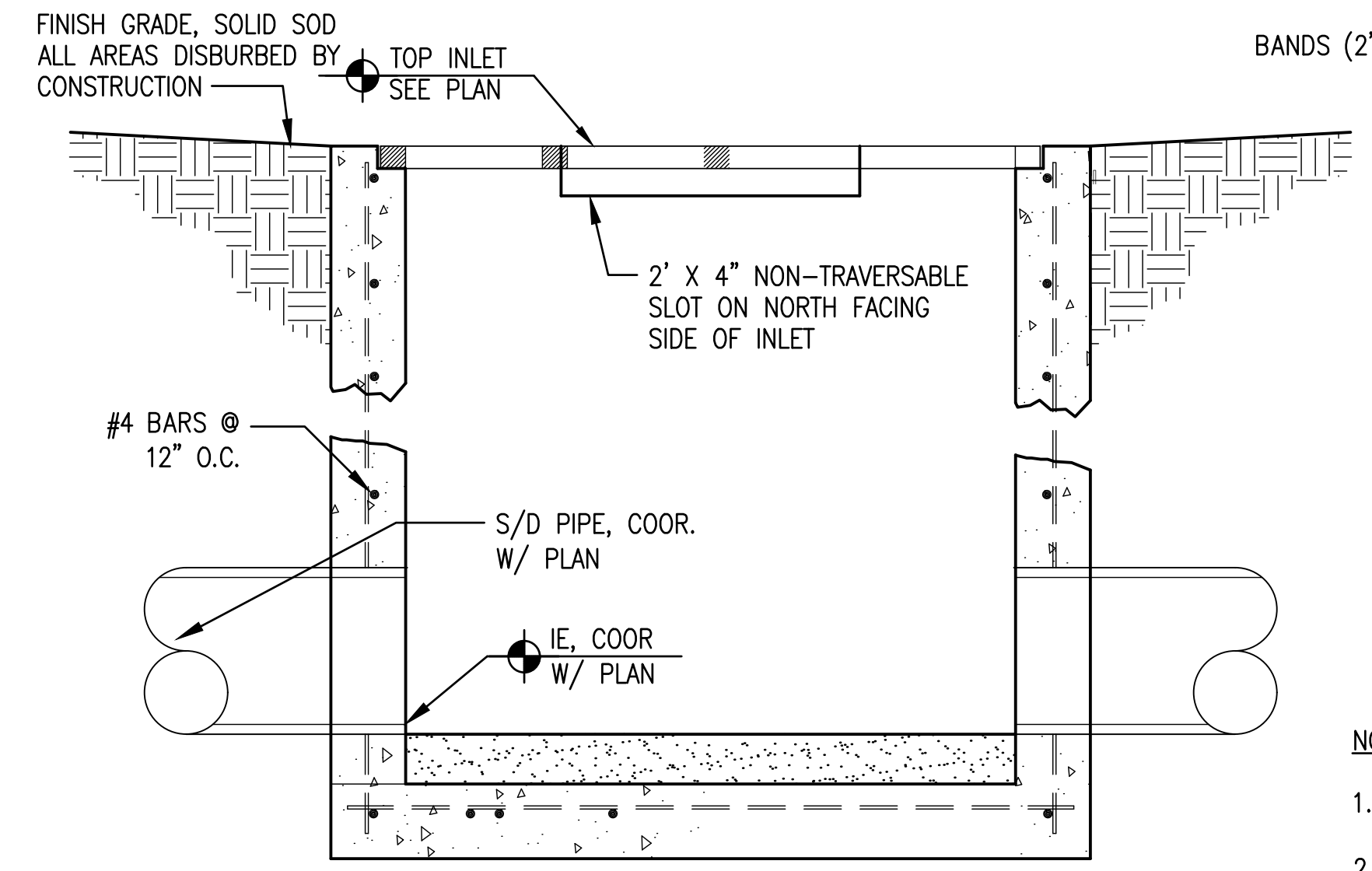
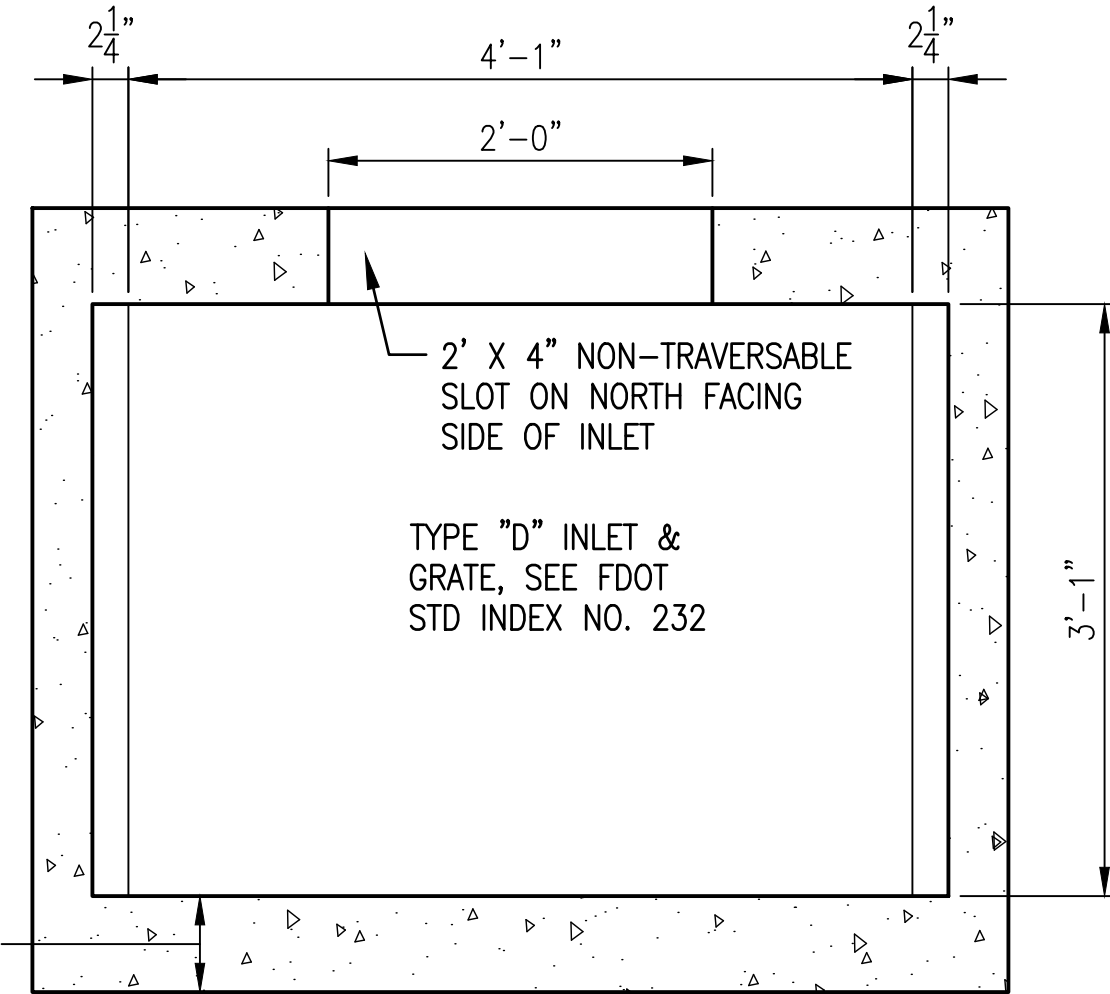
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SIGNATURE:															



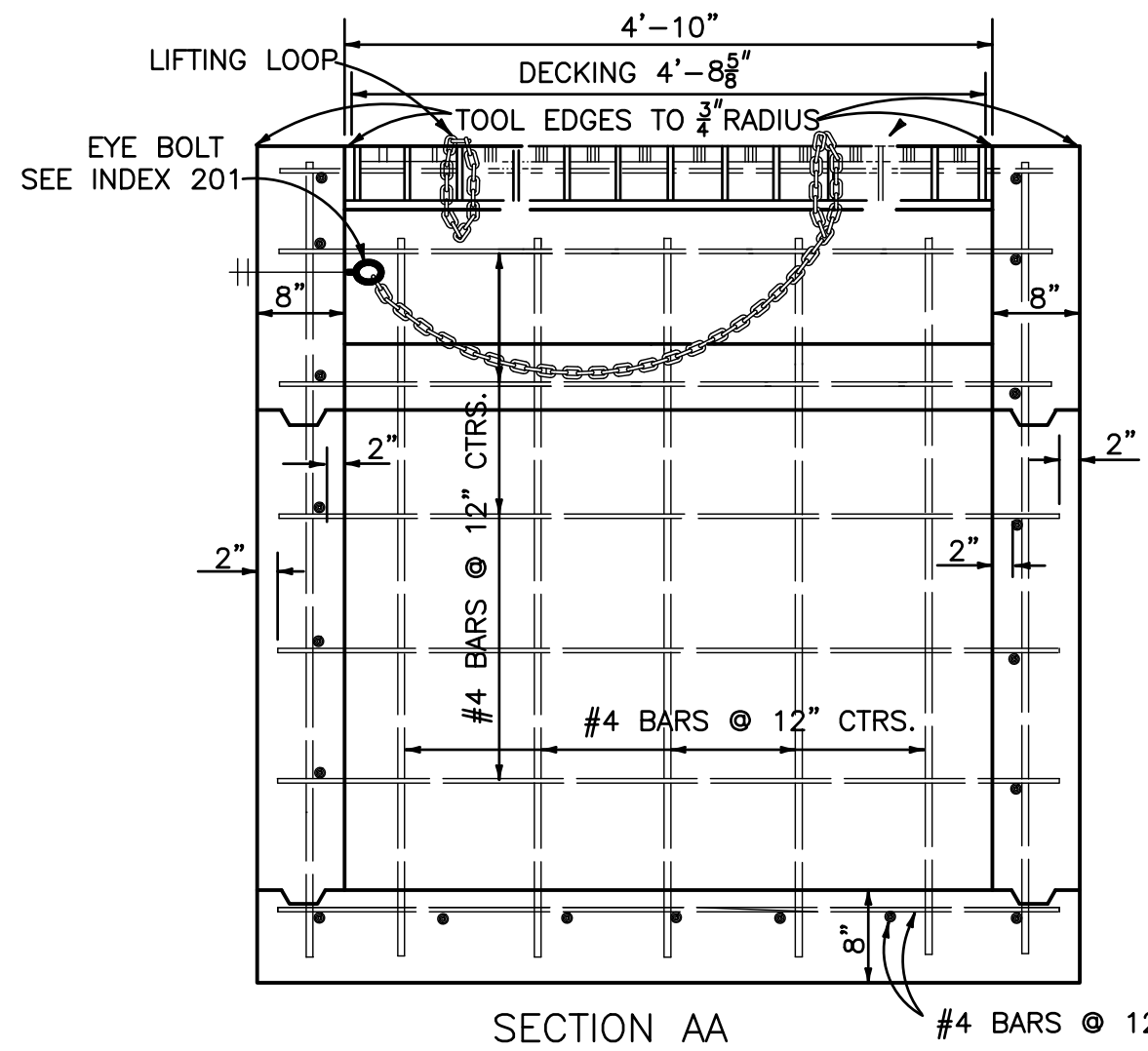
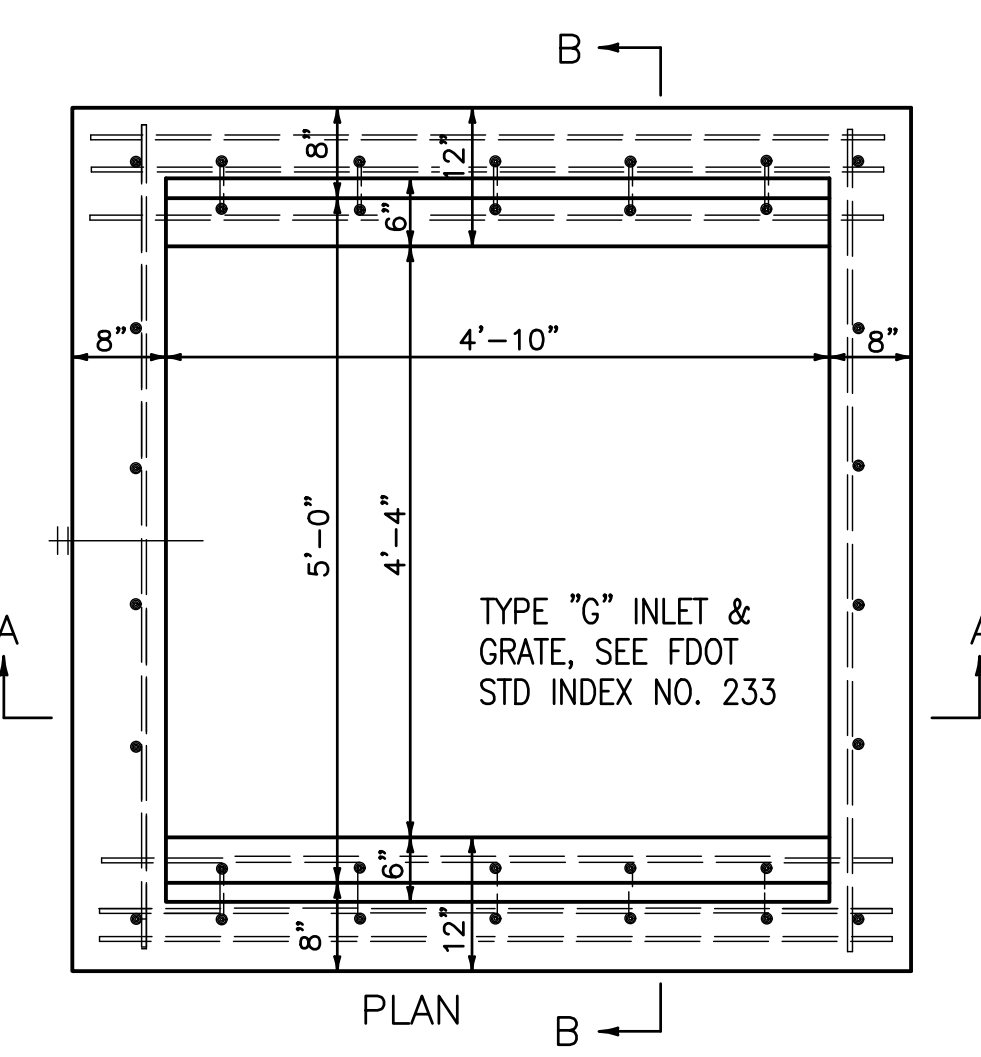
- NOTES:**
1. EACH GRATE SHALL HAVE A MIN. WEIGHT OF 240 LBS.
 2. PRECAST IN ACCORDANCE WITH LATEST EDITIONS OF ASTM C76 AND C478.
 3. 6" MIN. CLEARANCE FROM O.D. OF PIPE TO INSIDE WALL OF INLET.
 4. GROUT OR "RAM-NEK" JOINTS WHERE REQUIRED.
 5. CONCRETE 4000 P.S.I.



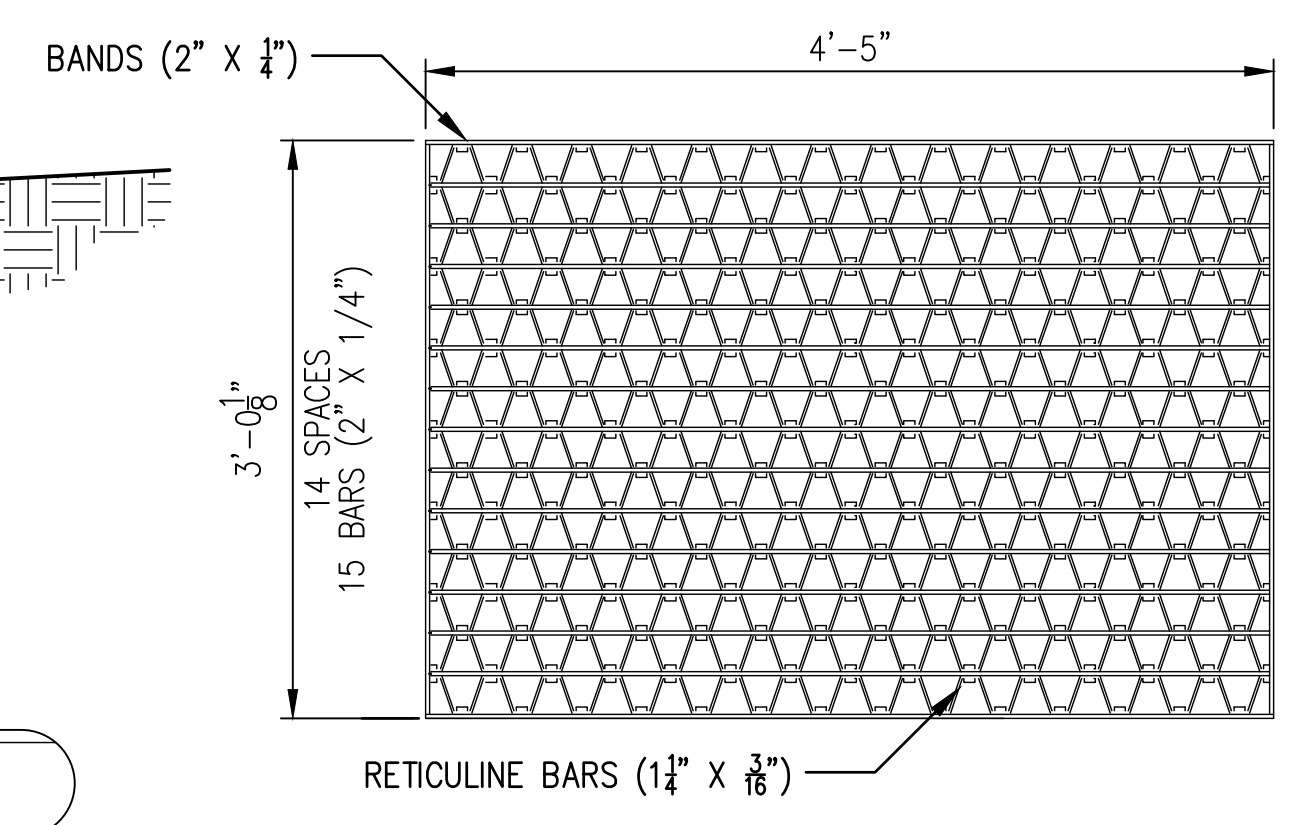
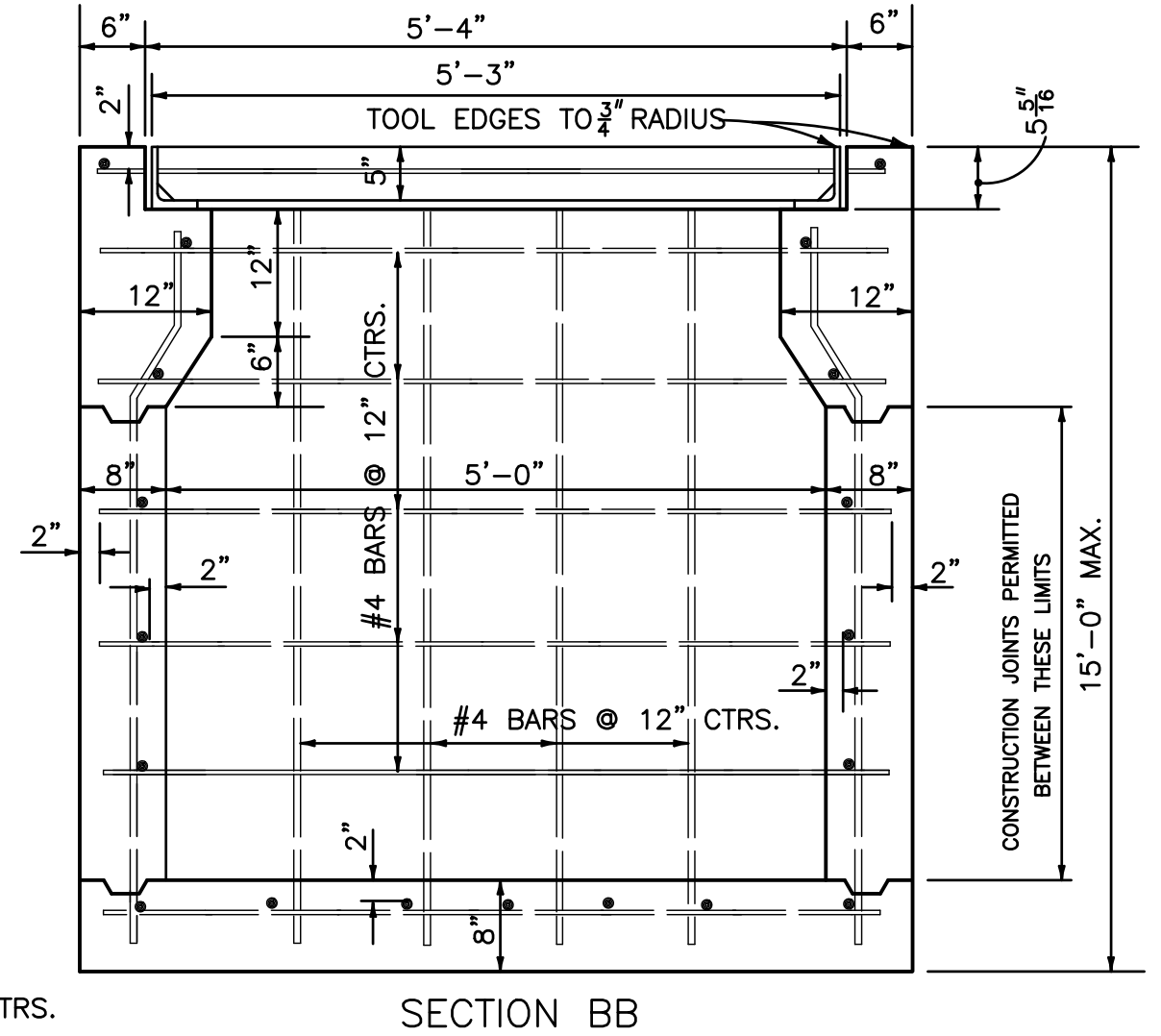
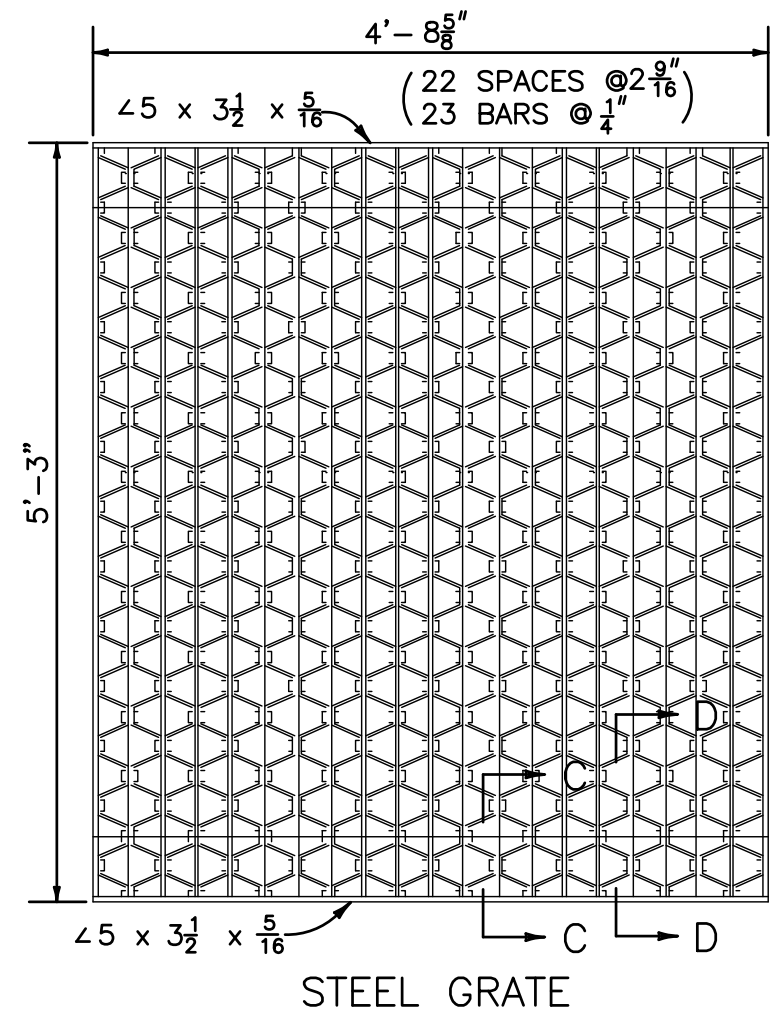
1
13 TYPE "C" INLET
NO SCALE



2
13 TYPE "D" INLET
NO SCALE



3
13 TYPE "G" INLET
NO SCALE



- NOTES:**
1. EACH GRATE SHALL HAVE AN APPROX. WEIGHT OF 190 LBS.
 2. 6" MIN. CLEARANCE FROM O.D. OF PIPE TO INSIDE WALL OF INLET.
 3. GROUT OR "RAM-NEK" JOINTS WHERE REQUIRED.
 4. CONCRETE 4000 P.S.I. SOD 16"

DALLAS AVENUE
DRAINAGE IMPROVEMENTS
DETAILS



Kenneth Home & Associates, Inc. CIVIL ENGINEERS 7201 N. 9TH AVENUE, SUITE 6, PENSACOLA, FLORIDA 32504 (850) 471-9005 info@kha-inc.com fax (850) 471-0093		REG. LIC. NO. 49949	DATE
DRAWN BY: P. CRAWFORD	CHECKED BY: R. KRASNOSKY	DISTRICT: 1	SIGNATURE
DATE: NOVEMBER 7, 2017	PROJECT MANAGER: N. CHALVIN	SECTION/TOWNSHIP/RANGE	42 / 1S / 20W
FIELD BOOK / PAGES XXXXXX		XXXXXX	

REVISIONS	DATE	APPROVAL
FILE LOCATION: L:\Design\Production Drive\Design\DWG\Plans		
DRAWING NUMBER	PROJECT NUMBER	2017-14
SURVEY NUMBER	2017-XXXX	
SHEET 13 OF 15		

PHASE: _____ REVIEW

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STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES:

- EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
- SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
- SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
- THE SITE SHALL ALWAYS BE GRADED AND MAINTAINED SUCH THAT STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
- THE CONTRACTOR'S MEANS AND METHODS OF GROUNDWATER DEWATERING SHALL COMPLY WITH REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY".

DUST CONTROL

- AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.
- CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 102-5, LATEST EDITION.

PROPOSED SEQUENCE OF CONSTRUCTION

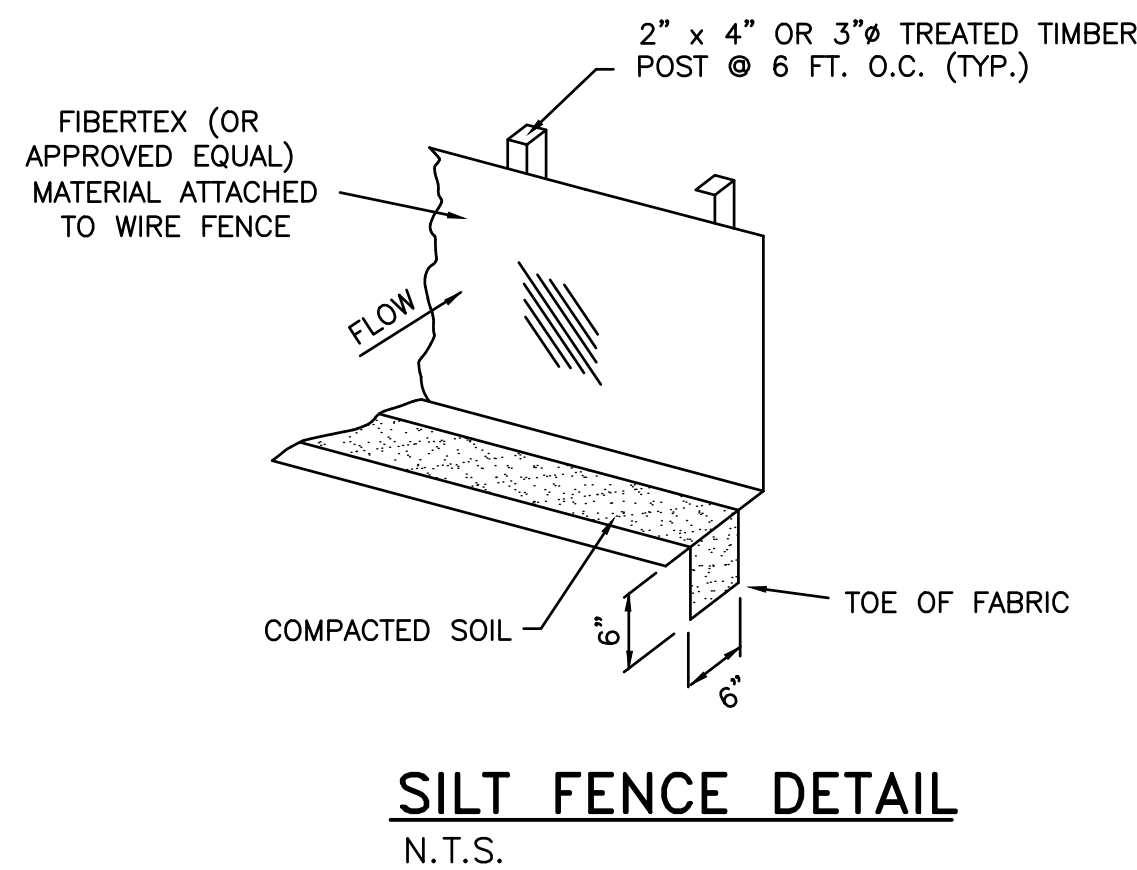
- THIS PROJECT SHALL CONSIST OF THE CONSTRUCTION OF NEW STORMWATER MANAGEMENT SYSTEMS AND THE PROTECTION/RELOCATION OF EXISTING UTILITIES. THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:
- INSTALLATION OF SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
 - CLEAR AND REMOVE EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE.
 - IMMEDIATE INSTALLATION OF REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
 - INITIATE CONSTRUCTION.
 - UPON COMPLETION OF CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE.
 - REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.

EROSION AND SEDIMENTATION CONTROL NOTES

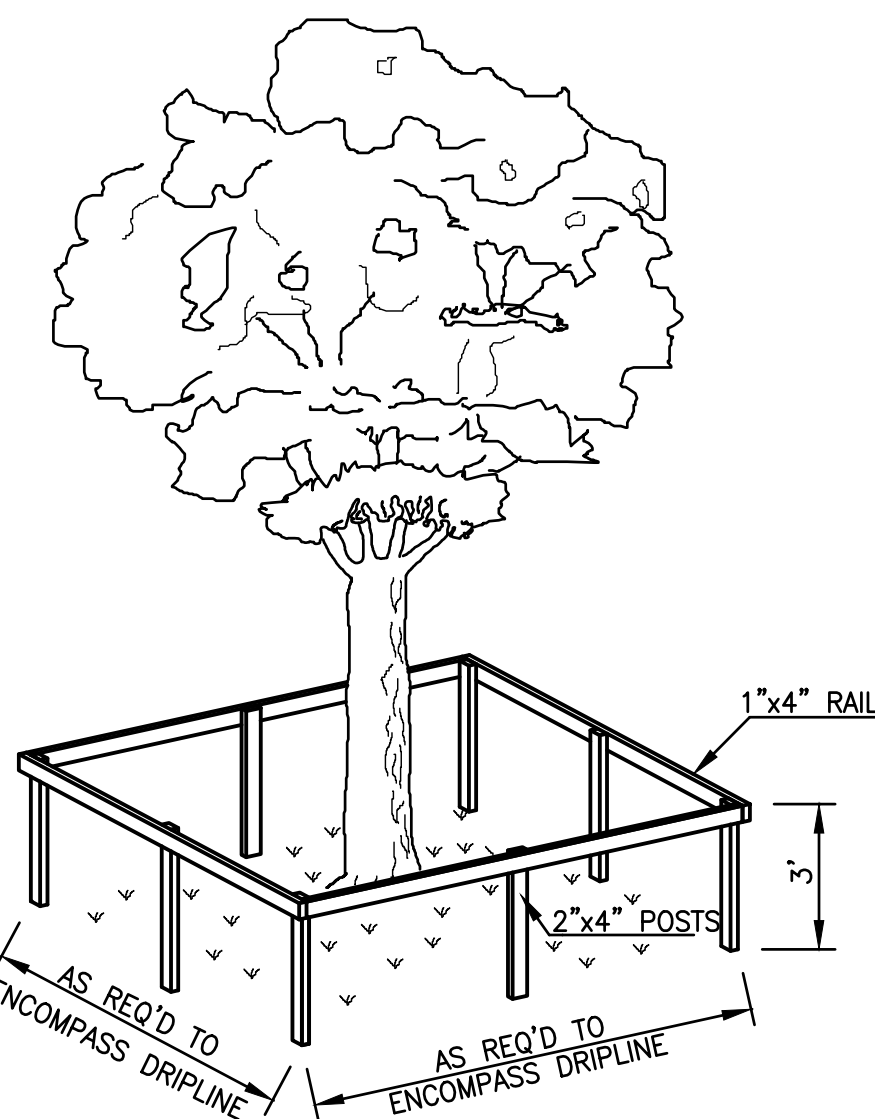
- SILT FENCE SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT FENCES TIGHTLY ABUTTING ONE ANOTHER PRIOR TO EARTHWORK OPERATIONS.
- THE SILT FENCE BARRIER SHALL BE ENTRENCHED AND BACK FILLED. A TRENCH SHALL BE EXCAVATED THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 6 INCHES. THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER. BACK-FILL SOIL SHALL CONFIRM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP TO 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER.
- SILT FENCE BARRIER SHALL BE SECURELY ANCHORED.
- SILT FENCE BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE, END RUNS AND UNDERCUTTING BENEATH FENCE.
- NECESSARY REPAIRS TO SILT FENCE BARRIERS OR REPLACEMENT OF FENCE SHALL BE ACCOMPLISHED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SODDED.

TREE PROTECTION NOTES:

- DURING DEVELOPMENT ACTIVITIES, PROTECTED TREES SHALL BE PROTECTED FROM ACTIVITIES WHICH MAY INJURE OR KILL THEM.
- THE ENTIRE DRIP LINE OF THE TREE SHALL BE PRESERVED IN A NATURAL STATE OR PROVIDED WITH PERVIOUS LANDSCAPING. WHERE THIS IS IMPRACTICAL, A WAIVER MAY BE GRANTED; HOWEVER, IN NO CASE SHALL MORE THAN FIFTY (50) PERCENT OF THE DRIP LINE BE COVERED WITH IMPERMEABLE MATERIALS. AT LEAST FIFTY (50) PERCENT OF THE AREA WITHIN THE DRIP LINE AND THE AREA WITHIN FIVE (5) FEET OF THE TRUNK SHALL BE PRESERVED IN A NATURAL STATE OR PROVIDED WITH PERVIOUS LANDSCAPING. WITHIN FIVE (5) FEET OF THE TRUNK, THE SOIL SHALL BE MAINTAINED AT ITS ORIGINAL GRADE WITH NO TRENCHING OR CUTTING OF ROOTS. BEYOND FIVE (5) FEET OF THE TREE TRUNK AND WITHIN THE DRIP LINE, A LIGHT FILL OF POROUS GRAVELLY MATERIAL UP TO SIX (6) INCHES DEEP MAY BE ADDED BUT NO GRADE LOWERING SHALL OCCUR. TO ACCOMPLISH DEEPER FILLING, A DRAINAGE SYSTEM SHALL BE INSTALLED WITHIN THE AREA DEFINED IN A DRIP LINE OF THE TREE AND A DRYWALL SHALL BE CONSTRUCTED AT A DISTANCE AT LEAST FIVE (5) FEET FROM THE TRUNK OF THE TREE BEFORE GRAVEL AND POROUS FILL ARE ADDED.
- WITHIN THE DRIP LINE, THERE SHALL BE NO STORAGE OF FILL OR COMPACTION OF THE SOIL AS FROM HEAVY EQUIPMENT, OR ANY SPILLING, STORAGE OR DISPOSAL OF CONCRETE, MORTAR, PAINT, SOLVENTS, CHEMICALS, OR OTHER POTENTIALLY HARMFUL SUBSTANCES.
- ALL TREES TO BE PROTECTED SHALL BE PROTECTED BY MEANS OF A PHYSICAL BARRIER WHICH WILL LIMIT ACCESS TO SAID TREE. SAID PROTECTIVE BARRIER SHALL BE COMPOSED OF WOOD OR OTHER SUITABLE MATERIALS WHICH ASSURE COMPLIANCE WITH THE INTENT OF THIS ORDINANCE. SAID PROTECTIVE BARRIERS, WHERE REQUIRED, SHALL REMAIN UNTIL SUCH TIME AS CONSTRUCTION IS COMPLETE. A MINIMUM OF ONE HUNDRED (100) PERCENT OF THE AREA WITHIN THE DRIP LINE SHALL BE SO PROTECTED UNLESS A WAIVER IS GRANTED. ALSO, DURING CONSTRUCTION, NO ATTACHMENTS OR WIRES SHALL BE ATTACHED TO ANY PROTECTED TREE. BARRIERS WILL BE REQUIRED FOR ALL TREES BEING PROTECTED EXCEPT IN THE FOLLOWING CASES:
 - ROAD RIGHT-OF-WAYS, UTILITY EASEMENTS, ETC. THESE AREAS MAY BE RIBBED BY PLACING STAKES A MAXIMUM OF FIFTY (50) FEET APART AND TAPING RIBBON, PLASTIC TAPE, ROPE, ETC., FROM STAKE TO STAKE ALONG THE OUTSIDE PERIMETERS OF SUCH AREAS TO BE CLEARED.
 - LARGE PROPERTY AREAS SEPARATE FROM THE CONSTRUCTION OR LAND CLEARING AREA INTO WHICH NO EQUIPMENT WILL VENTURE MAY ALSO BE RIBBONED OFF.

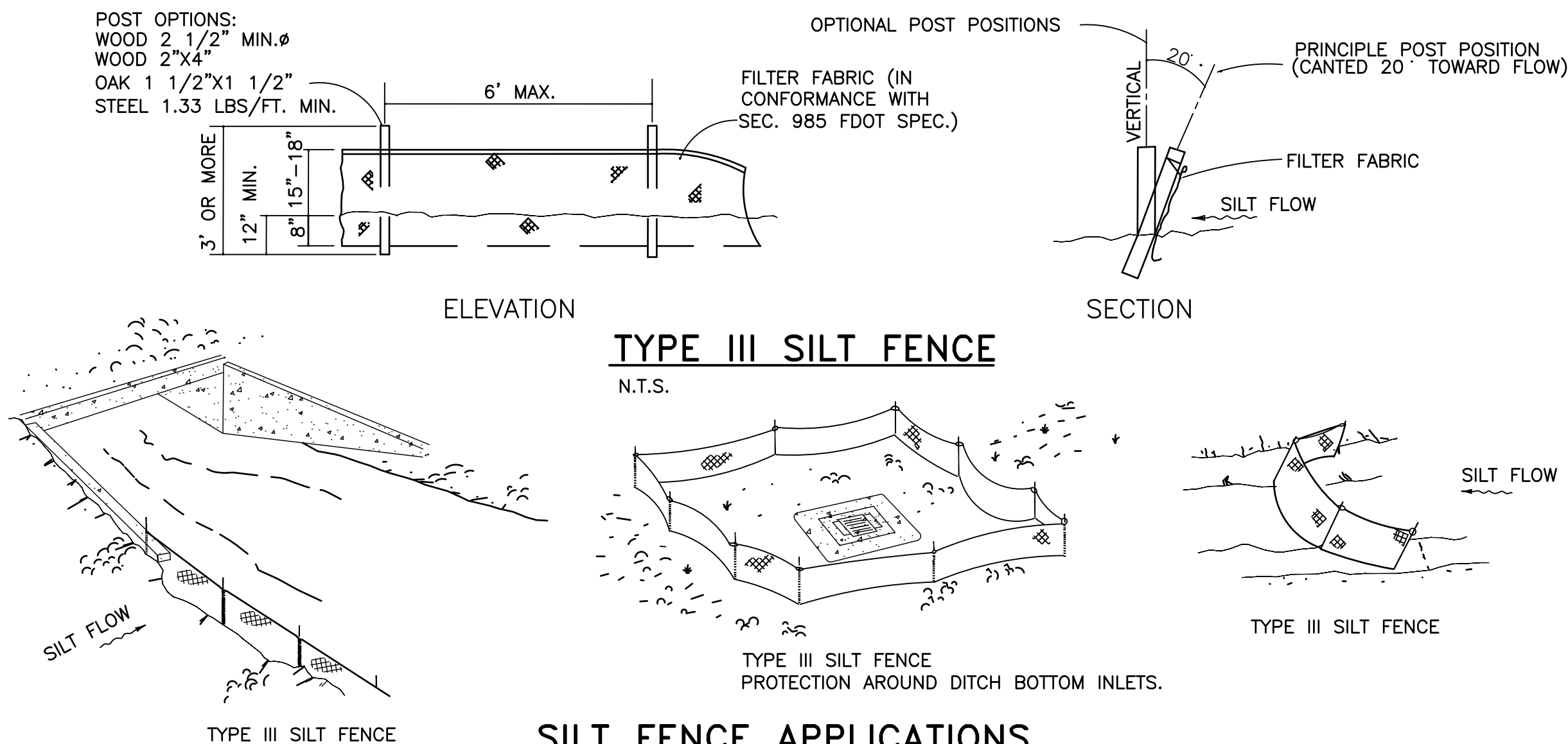


SILT FENCE DETAIL
N.T.S.



TREE PROTECTION DETAIL
N.T.S.

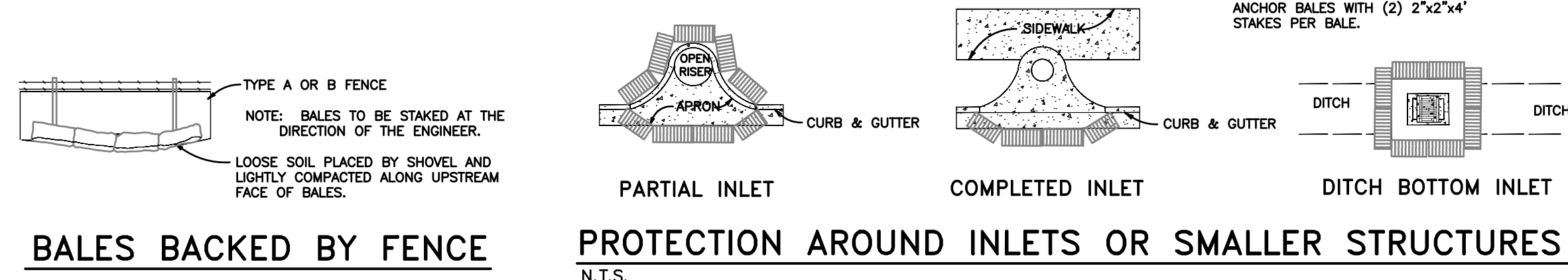
POST OPTIONS:
WOOD 2 1/2" MIN. Ø
WOOD 2"x4"
OAK 1 1/2"x1 1/2"
STEEL 1.33 LBS/FT. MIN.



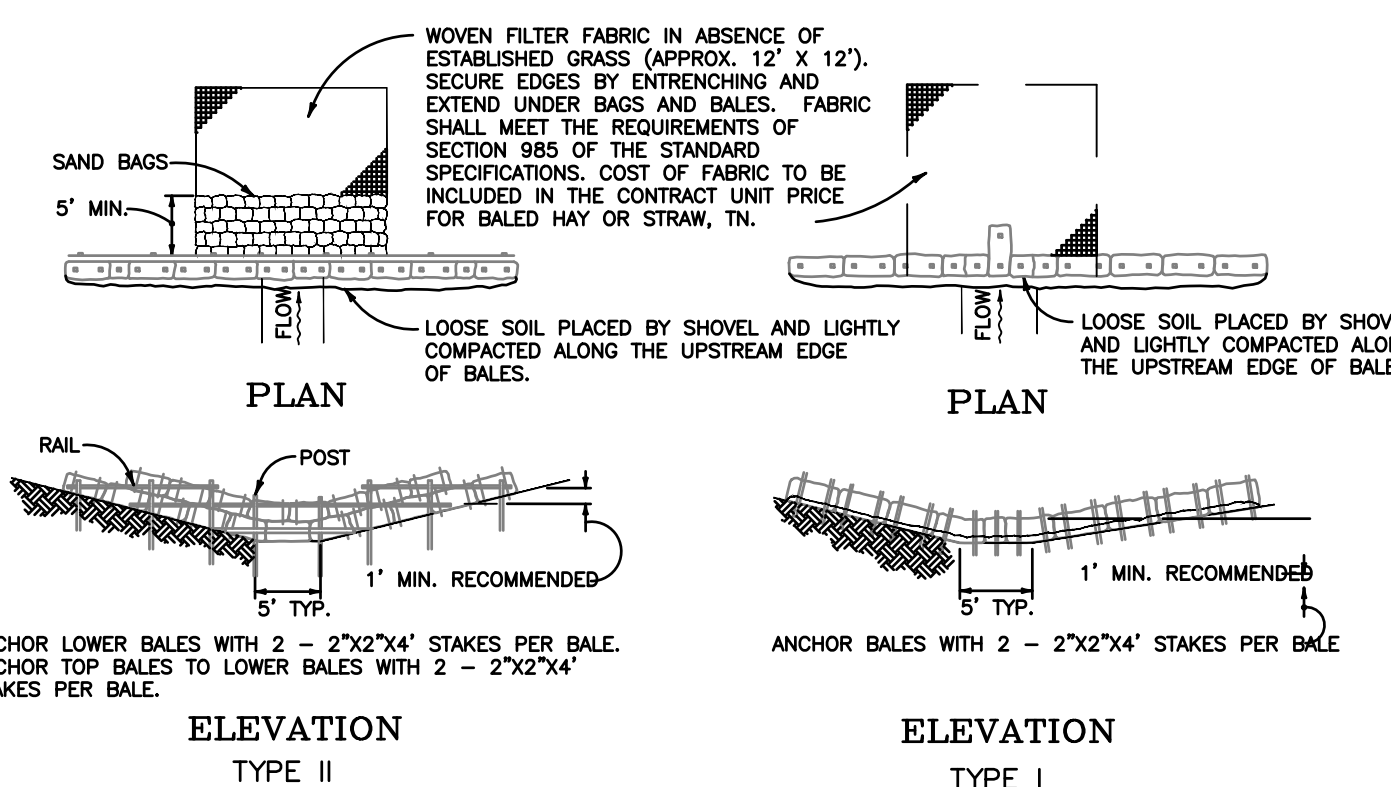
TYPE III SILT FENCE
N.T.S.

SILT FENCE APPLICATIONS

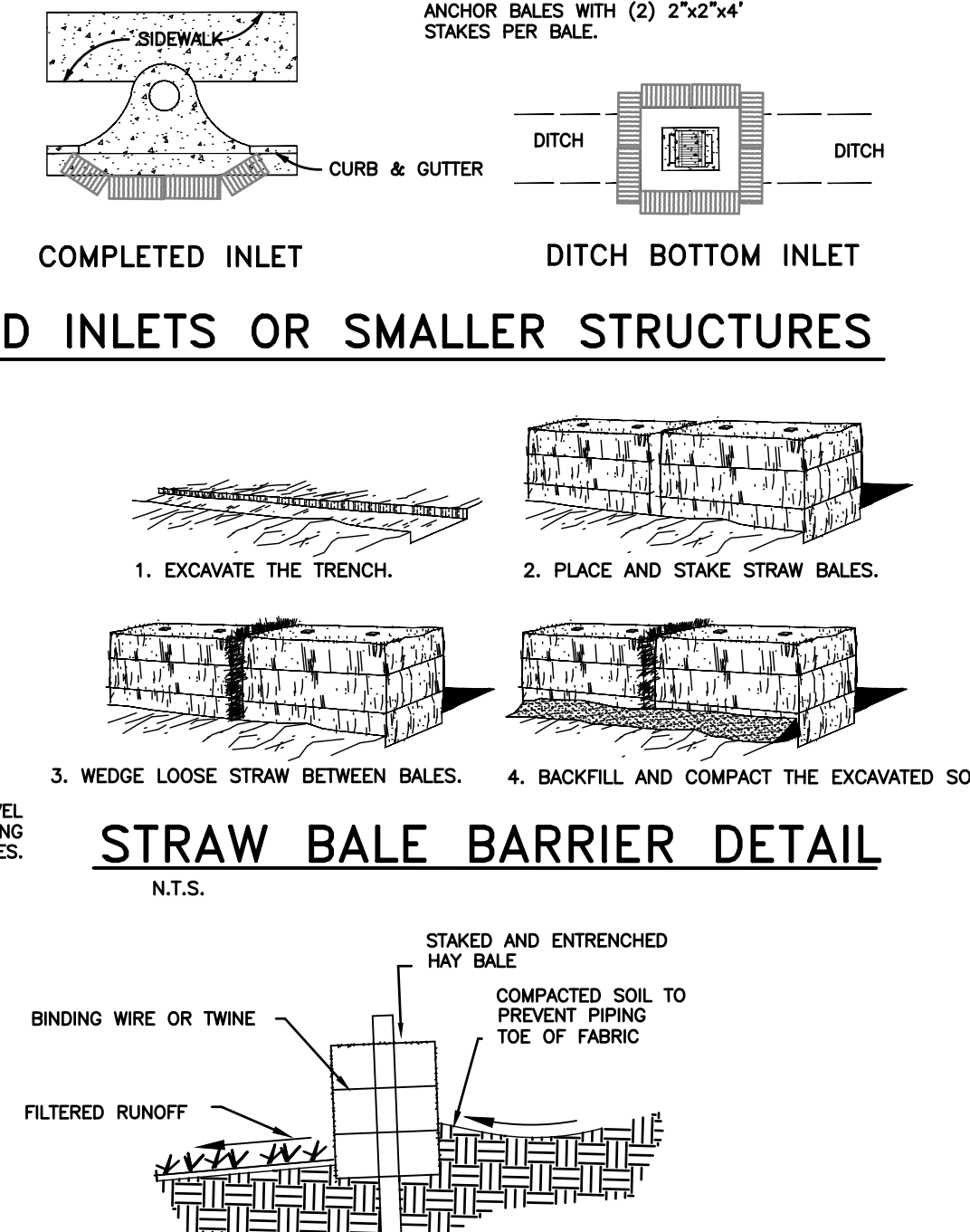
N.T.S.
DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



PROTECTION AROUND INLETS OR SMALLER STRUCTURES
N.T.S.



BARRIER FOR UNPAVED DITCHES
N.T.S.



STRAW BALE BARRIER DETAIL
N.T.S.

DETAIL OF PROPERLY INSTALLED HAY BALE
N.T.S.

**DALLAS AVENUE
DRAINAGE IMPROVEMENTS
EROSION CONTROL DETAILS**



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DATE: NOVEMBER 7, 2017			42.7.1S.20W

REVISIONS	DATE	APPROVED BY

FILE LOCATION: L:\Design\Production Drive\Design Drawings	
DRAWING NUMBER	
PROJECT NUMBER	2017-14
SURVEY NUMBER	2017-XXXX
SHEET	15 OF 15