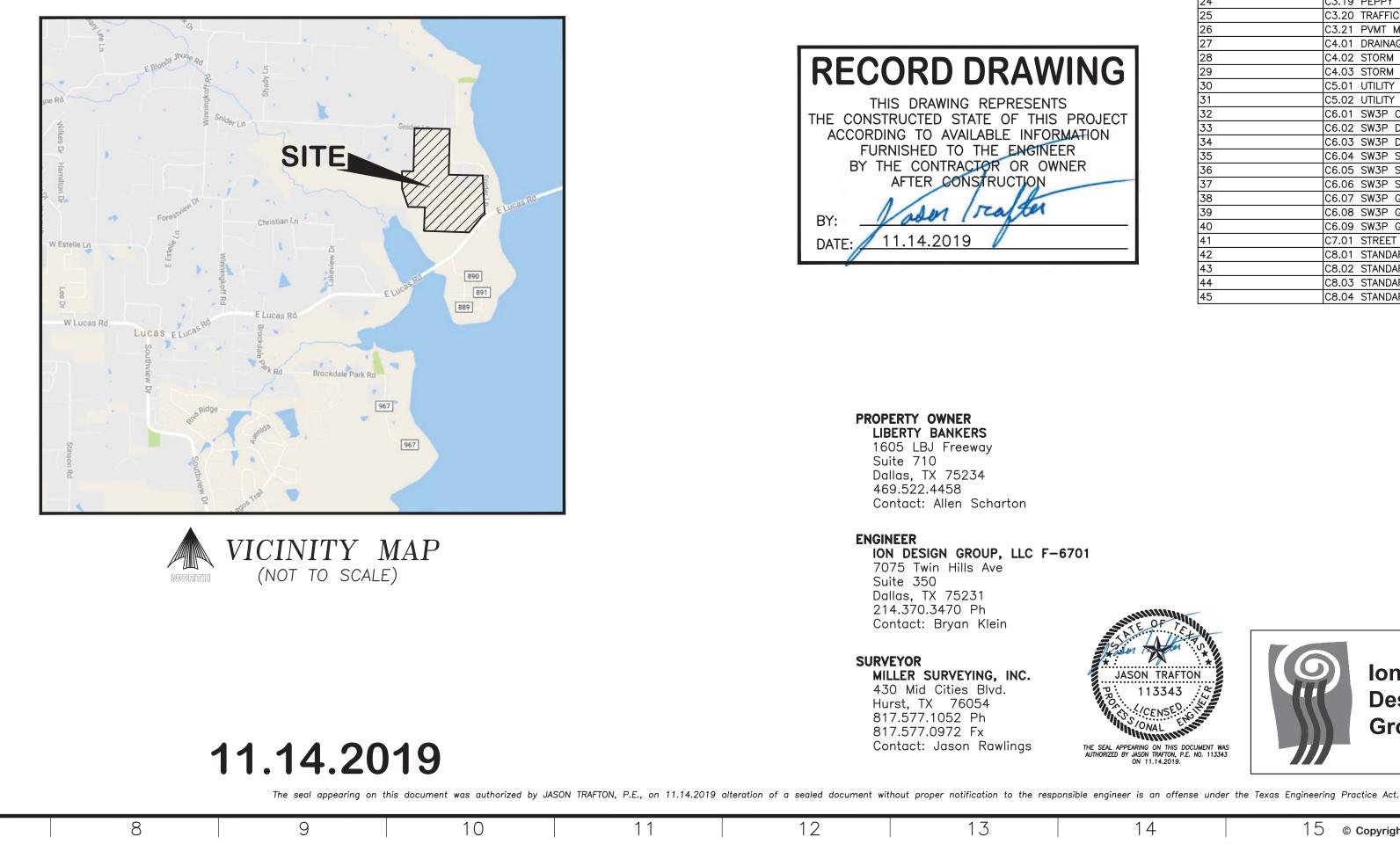


Civil Engineering Plans for the Construction of WATER, PAVING & DRAINAGE IMPROVEMENTS **To Serve** LAKEVIEW DOWNS **EQUISTRIAN ESTATES** Chaot List Tab **CITY OF LUCAS** COLLIN COUNTY, TEXAS



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7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph

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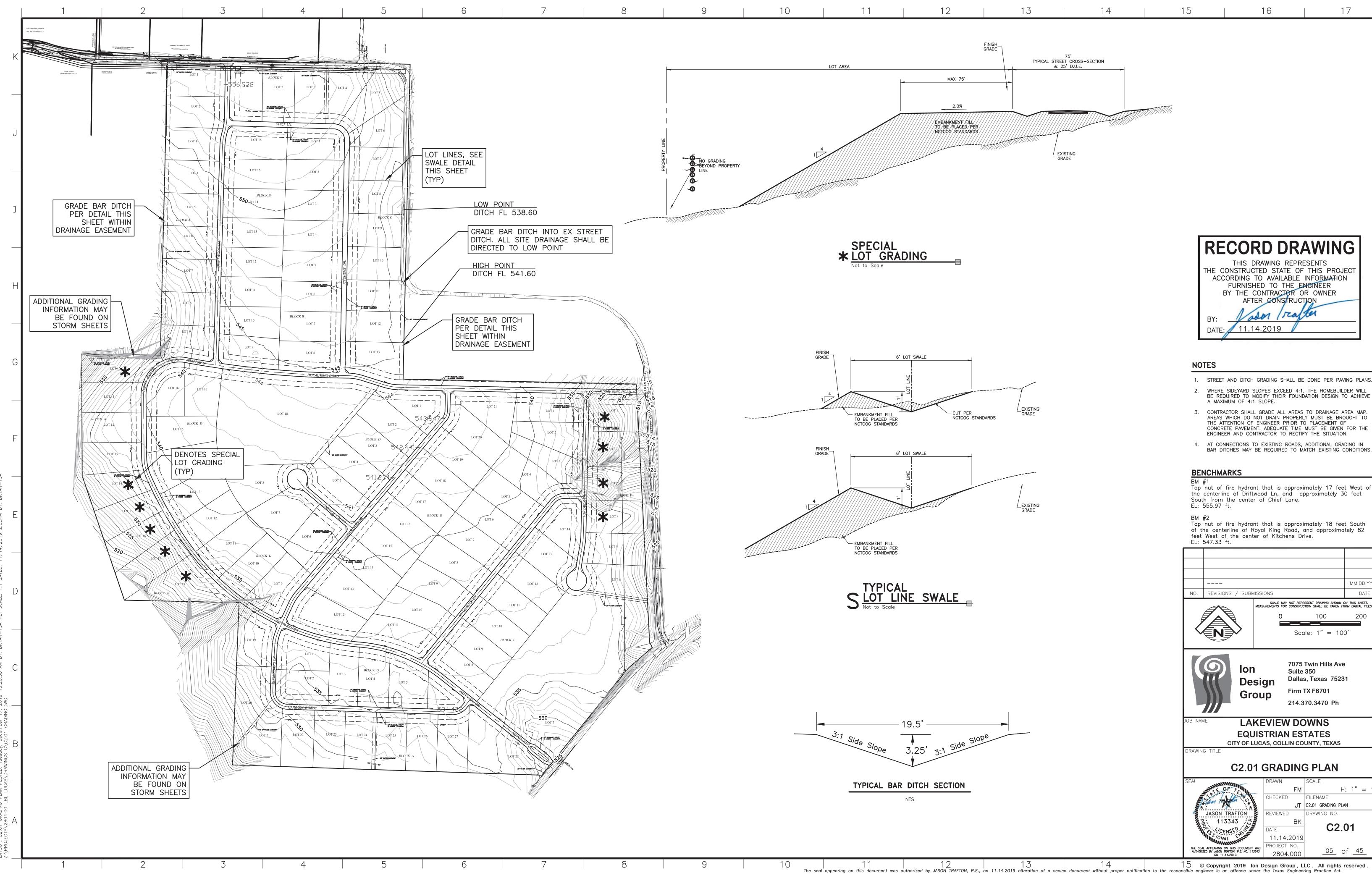
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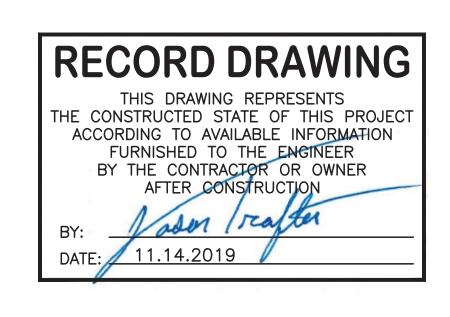
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| <u>GENERAL NO</u> | | | NERAL NOTES C | | | RAFFIC CONTROL N | | | ENGINEER'S GENERAL N | NOTES |
|--|---|--|--|--|---|--|---|-----------------------|--|---|
| It is the CONTRACTOR's responsibility to maintain ne The CONTRACTOR is responsible for maintaining adec | · | condition than they we shall be the same mat | ere prior to construction and ma terial as what the driveway is pr | be restored to as good as or better terials utilized to restore the driveway resently made of. All costs incurred | and be completed in accordance sheets 32-47. All traffic contro | plementation shall be completed by with the standard TXDOT details provid of items as required by these plans of "Construction Parriagding (Signing (| led herein. See Ind specifications | | ENGINEER'S GENERAL NOTES do not superso <u>APPROVED PLANS AND DIGITAL CAD FI</u> 1. No construction activity shall commence pri | LES |
| duration of this project. The CONTRACTOR is responsible for obtaining all nec | essary permits and approvals before | bid for the constructio | on of the project. | culverts shall be included in the price | 2. All temporary signs, markings, o | m "Construction Barricading/Signing/ cones, channelizing devices, warning I current State of Texas Manual on Unifo | ights and barricades | | Civil Engineering Design Plans (PLANS). Prior to commencement of construction, OV responsible for constructing and/or overseei | WNER shall provide any company or indiv |
| construction begins. The CONTRACTOR shall replace all fence removed du | ring construction in as good as or | be complete prior to t During installation of tl | he end of the day. No driveway he construction, the CONTRACTO | so that all driveway crossings are to y crossings are to be left open overnigh R shall be prepared to provide access | . Devices (MUTCD). | | | | files of PLANS.CONTRACTOR shall not commence constr from OWNER. CONTRACTOR shall utiliz establishing construction measurements. CO | e ONLY the approved digital CAD files of |
| better condition than before construction. The CONTRACTOR shall take all necessary precaution | | 27. The CONTRACTOR is re | riveways at all times in case of esponsible for keeping streets, po | arking areas, sidewalks, etc., | shall be placed on all advance | e placed on all advance warning signs warning signs that detour traffic. | | | that may appear on PLANS for construction construct from digital CAD PLANS only. PLANS are considered a set comprised of A | n or other purposes. CONTRACTOR is to |
| telephone poles are either moved to a safe location or not disturbed during construction. All costs incu telephone poles shall be included in the price bid fo | rred for moving electric power and | 28. The City of Lucas Publ | | otified 48 hours (2 working days) | 5. All temporary pavement marking | s shall be removed prior to shifting t gs required during construction shall | be of the removable | | within the PLANS for relevancy to construc <u>SURVEY</u> | tion, particularly the GENERAL NOTES |
| The CONTRACTOR shall restore all property including public utilities, franchise utilities, private utilities, and | | · · · | ion of paving in rights—of—way a struction water shall be made thi | | | striping may be required to transitio All pavement markings and striping s | | | PLANS are prepared utilizing field survey in July 8, 2016. Prior to commencement of co conditions are as represented on PLANS, as was completed. | nstruction, CONTRACTOR shall confirm |
| damaged inside and outside the project limits during condition than before construction. Restoration sha property no longer interferes with construction. All | I be made immediately after the costs incurred for restoring any of | 30. All locations of underg the proper utility comp | round utility lines are approximation of the second s | o construction, shall inform | | nelization devices may be adjusted to a driveways, intersecting roadways, ve the City of Lucas. | | | STANDARDS & METHODS 6. ENGINEER has prepared PLANS under the PLANS are prepared by ENGINEER to con | |
| the above items shall be included in the price bid for the information shown on these drawings concerning | type and location of underground | by flagging. Flagging o | f utilities shall be completed pric | | physical construction begins. S | be displayed more than forty—eight igns may be erected up to one week | (48) hours before before needed, if | | as of the date PLANS were sealed by ENGI information are provided as reference only f7. CONTRACTOR shall be responsible for all | NEER. Standard details, vicinity maps, as for CONTRACTOR. materials and methods of construction co |
| and other utilities is not guaranteed to be accurate is responsible for making his own determinations as underground utilities and other utilities as may be n | to the type and location of | protect the public from | I be secure at all times. Safety n any injury which might result t | from construction activities. | | r rails, vertical panels, and drums shal | | | the City's standards. CONTRACTOR shall standard details or construction methods. CO standard details and construction methods. I construction shall conform to North Central | ONTRACTOR shall review the City's app if no standards are available, materials and |
| The CONTRACTOR shall not place fill or waste mater prior written permission from the ENGINEER. No exc | | implementing any and siltation from the proje | EROSION CONTROL", the CONTRAG all erosion control measures as ect site. This shall include, but i | needed to control runoff of is not limited to, silt fencing, | stored along the roadway within | n where a hazard is present. These thirty (30) feet of the edge of the guardrail, bridge rail, and/or barriers in | traveled way before | | Works Construction Standards. <u>PLAN DISCREPANCIES, CONFLICTS OR (</u> 8. It is the intent of the ENGINEER that PLAN | |
| deposited in low areas or along natural drainage wa of water. If the CONTRACTOR places excavated ma flood damage, CONTRACTOR will be responsible for a | terial in low areas that will cause Il damage resulting from such fill, | required until the cons | · | as been placed over disturbed areas. | purposes. These devices shall I of Lucas determines they are n right—of—way to provide for this | be removed from the construction wo o longer needed. Where there is ins thirty (30) foot setback, the City of Lu | ork zone when the City ufficient | | It is the intent of the ENGINEER that PLAP designed improvements. If CONTRACTOR installation of improvements or that discrep- contact ENGINEER immediately for guidar | t finds PLANS do not sufficiently describe ancies existing on PLANS, CONTRACTO |
| and he shall remove the fill at CONTRACTOR's exper | ise. | ground is disturbed in with regard to areas | the construction area. City res to be hydrolmulched or sodded. | ch surrounding areas where the erves the right to provide direction The CONTRACTOR will receive payment | alternate locations. | ignage is to be determined at the si | | | In the event CONTRACTOR locates conflic standards and/or methods, CONTRACTOR guidance prior to proceeding with construct regarding PLANS prior to or during constru | shall notify ENGINEER immediately to discover a shall notify ENGINEER immediately to discover a shall not for the shall |
| ambulances and other emergency vehicles. The CONTRACTOR shall be responsible for public safe | | . 34. If any conflicts with ot | ther utilities occur during the co | ed or sodded in the construction area. | | should be placed prior to and at re- | | | regarding PLANS prior to or during constru immediately for guidance or clarification pr <u>PUBLIC UTILITIES AND ADA</u> | |
| All barricades, warning signs, lights, devices, etc., fo traffic and pedestrians must conform to the installa Manual of Uniform Traffic Control Devices, as curren | or the guidance and protection of Ition shown in 2011 Revision 2 Texas | with City's concurrence | | shall make adjustments as necessary | 11. As part of the bid item, "Const | ruction Barricading/Signing/Traffic Co control plan for construction a minim | ontrol," the CONTRACTOR | | Information on locations, elevations, and din sewer, and storm sewer) on PLANS was obt records. ENGINEER assumes no responsibility guarantee that all utilities are shown or are location. | tained by ENGINEER from available gov ility for accuracy of such records and does |
| of Transportation. CONTRACTOR shall at all times p lighting adequate to safeguard the public from any during non-work hours. | provide barricades, warning signs and | 55. Locations of pipelines : | | nate and are to the best knowledge of sting lines damaged during construction | changes in traffic handling or n the City of Lucas prior to cons | novement, These plans are to be re | viewed and approved by | | consider utility information as approximate. and dimensions of utilities sufficiently in ad revisions to PLANS are required to address 11. CONTRACTOR shall be responsible for contractions | CONTRACTOR shall verify locations, lvance of construction and notify ENGIN utility conflicts. |
| Filter fabric fence for erosion control shall be provid and as shown on the plans and in accordance with | I | requirements included i | bay resulting from any of the wo in these general notes, unless o ded in the unit price bid for the | therwise noted. All work | one open lane of traffic at all tir | date existing traffic during construction mes. Use of flag men, barricades, verti subsidiary to "Construction Barricading, | cal panels, etc. shall be | | 11. CONTRACTOR shall be responsible for con compliant with the Americans with Disabili ENGINEER immediately for guidance if an applicable ADA standards are found prior to | ties Act (ADA). CONTRACTOR shall co y discrepancies or conflicts between PLA |
| The CONTRACTOR shall use the public right—of—ways access to the job site. | and existing utility easements for | | ded in the diff price bid for the | | needed to maintain traffic in a s | to place temporary pavement marking afe and efficient manner after removal | of existing markings. | | FRANCHISE UTILITIES 12. PLANS do not include installation and/or re cable, fiber optics etc.). OWNER or OWNE | R'S representative, shall be responsible for |
| The CONTRACTOR shall select the subcontractor to I The CONTRACTOR shall be responsible for paying for | testing and lab work. Selection of | | | | These temporary markings shall subsidiary to "construction barri | not be paid for separately but shall icading/signing/traffic control". | be considered | | and coordination with franchise utilities con responsible for determining conflicts that fra advance of construction and shall notify EN guidance, prior to proceeding with construct | anchise utilities may have on PLANS suff GINEER and OWNER immediately to ob |
| subcontractor for this purpose will be subject to appreferred to herein includes compaction testing, which | shall be required on this project. | | | | | | | | CONSTRUCTION AND RECORD SET OF P 13. Prior to commencing construction, CONTR Landscape, Architectural and other plans. | |
| The CONTRACTOR shall keep excavated trenches free If necessary, the CONTRACTOR shall utilize dewaterin groundwater during construction such that it does n | g procedures in order to control | | | | | | | | CONTRACTOR shall verify acceptance of and proposed improvements, prior to comm for any finished improvements not accepted | encing construction. ENGINEER is not r |
| The CONTRACTOR shall provide means for adequately during construction. The CONTRACTOR shall not sto construction. | controlling and avoiding soil erosion re spoil in drainage ways during | | | | | | | | CONTRACTOR shall verify type and place No field changes or deviations from PLANS and City. | S shall be made without prior approval of |
| All disturbed earth areas are to be finish graded to fertilized and either hydromulched with bermuda see | d or covered with block sod according | | | | | | | | Upon completion of construction, CONTRA to provide a survey of all installed improver ENGINEER digital CAD files reflecting sur variations from PLANS. | ments (including building pad elevations) a |
| to NCTCOG specifications immediately after construc free of rock and other debris. CONTRACTOR shall the block sod immediately after placement. Block sod s | horoughly water the hydromulch or shall match the existing type of grass | | | | | | | | | |
| on a case by case basis. There shall be no separa grass. The CONTRACTOR shall also be responsible f of the newly hydromulched or sodded areas until the | or continued maintenance and watering e entire project is completed and | Ĵ | | | | | | | | |
| accepted by the City of Lucas. Watering of the ber be done in a manner and quantity as directed by C | ity of Lucas field representative. | | | | | | | | | M |
| No existing sprinkler/irrigations systems have been s they may exist in certain areas. It is the CONTRAC existing irrigation systems within the project limits o | TORS responsibility to locate any and determine if they will be affected | | | | | | | | NO. REVISIONS / SUBMISSIONS | |
| by this construction. If CONTRACTOR encounters an he shall repair and/or replace in as good as or bet All costs incurred for restoring any sprinkler/irrigation | y sprinkler systems during construction ter condition than before construction. | n, | | | | | | | | 0 60 Scale: 1" = 60' |
| price bid for the construction of the project. The CONTRACTOR shall maintain adequate sanitary for | cilities for use by workers | | | | | | | | | |
| throughout construction. The CONTRACTOR shall conform to the Occupational | | | | | | | | | lon | 7075 Twin Hills Ave Suite 350 Dallas, Texas 75231 |
| (OSHA) standards for trench safety that are in effect All materials and workmanship shall conform to the | City of Lucas Standards and | | | | | | | | Design Group | Firm TX F6701 |
| Specifications and the North Central Texas Council of and Specifications, except as noted. In the event of Standards and Specifications shall govern. | f a conflict, the City of Lucas | | | | | | RECORD DRA | | | 214.370.3470 Ph |
| No existing trees larger than 4" caliper shall be removed | | | | | | | THIS DRAWING REPRE | SENTS | EQUISTRI | AN ESTATES DILIN COUNTY, TEXAS |
| CONTRACTOR shall provide all necessary construction CONTRACTOR's working hours shall be in accordance City Ordinance governing hours of construction work | with the provisions of the current | | | | | | THE CONSTRUCTED STATE OF ACCORDING TO AVAILABLE FURNISHED TO THE EN | NFORMATION IGINEER | DRAWING TITLE | ERAL NOTES |
| The CONTRACTOR shall assume responsibility for pro- construction of this project. All manholes, valve bo | tection of public utilities in the | | | | | | BY THE CONTRACTOR OF AFTER CONSTRUCT | ION | SEAI | N SCALE |
| adjusted to proper line and grade by the CONTRACT any permanent paving. The CONTRACTOR shall also existing utility poles, street signs, etc., when excava | OR prior to and/or after placing be responsible for support of | | | | | | BY: | | CHECK | KED FILENAME JT C1.01 GENERAL NOTES |
| existing dancy poios, screet signs, etc., when excava | | | | | | | | 19 N | JASON TRAFTON REVIEW 113343 | BK DRAWING NO. |
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NOTES

- 1. STREET AND DITCH GRADING SHALL BE DONE PER PAVING PLANS.
- 2. WHERE SIDEYARD SLOPES EXCEED 4:1, THE HOMEBUILDER WILL BE REQUIRED TO MODIFY THEIR FOUNDATION DESIGN TO ACHIEVE A MAXIMUM OF 4:1 SLOPE.
- 3. CONTRACTOR SHALL GRADE ALL AREAS TO DRAINAGE AREA MAP. AREAS WHICH DO NOT DRAIN PROPERLY MUST BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO PLACEMENT OF CONCRETE PAVEMENT. ADEQUATE TIME MUST BE GIVEN FOR THE ENGINEER AND CONTRACTOR TO RECTIFY THE SITUATION.
- 4. AT CONNECTIONS TO EXISTING ROADS, ADDITIONAL GRADING IN BAR DITCHES MAY BE REQUIRED TO MATCH EXISTING CONDITIONS.

BENCHMARKS

BM #1 Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet South from the center of Chief Lane. EL: 555.97 ft.

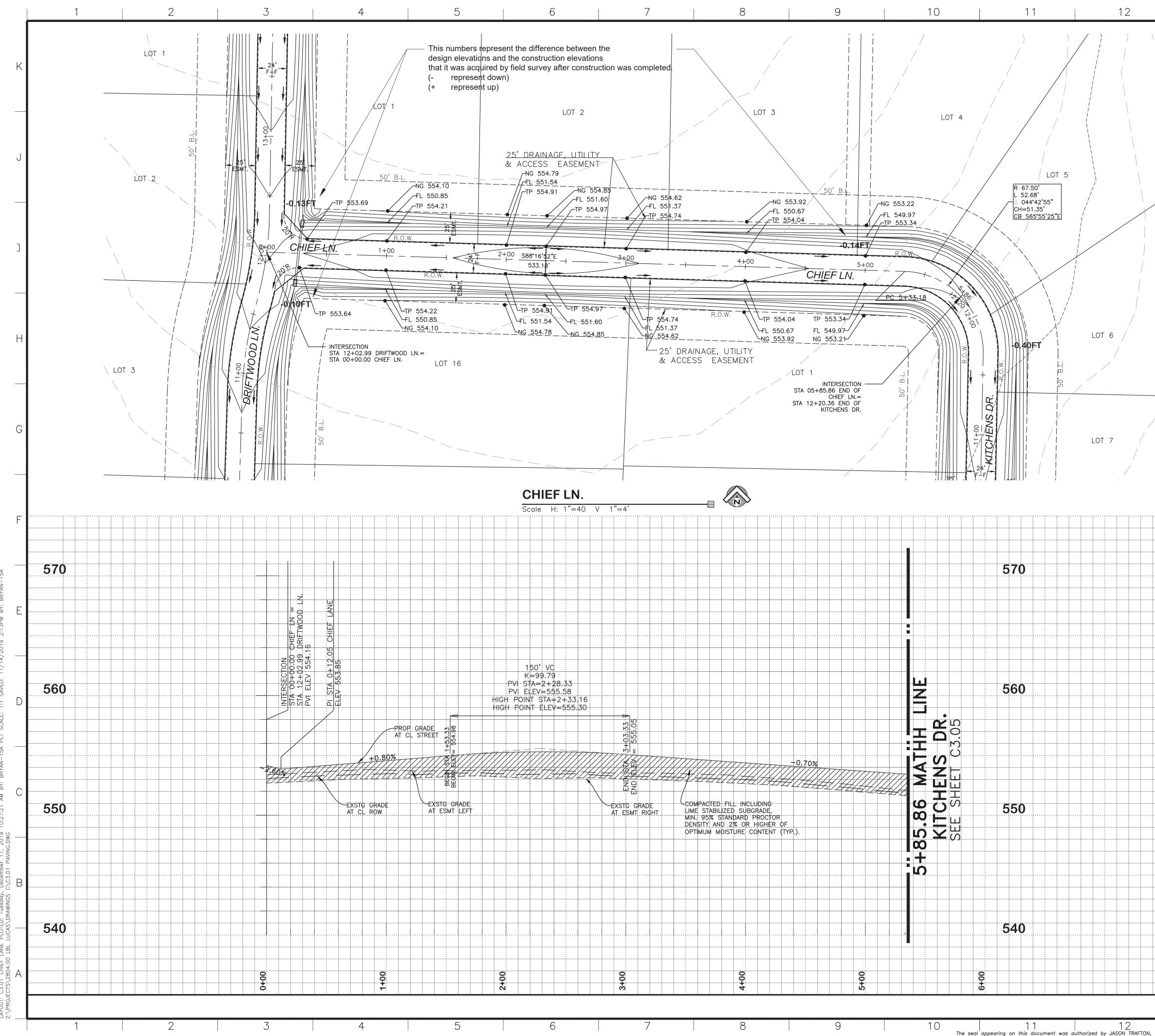
BM #2

Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. EL: 547.33 ft.

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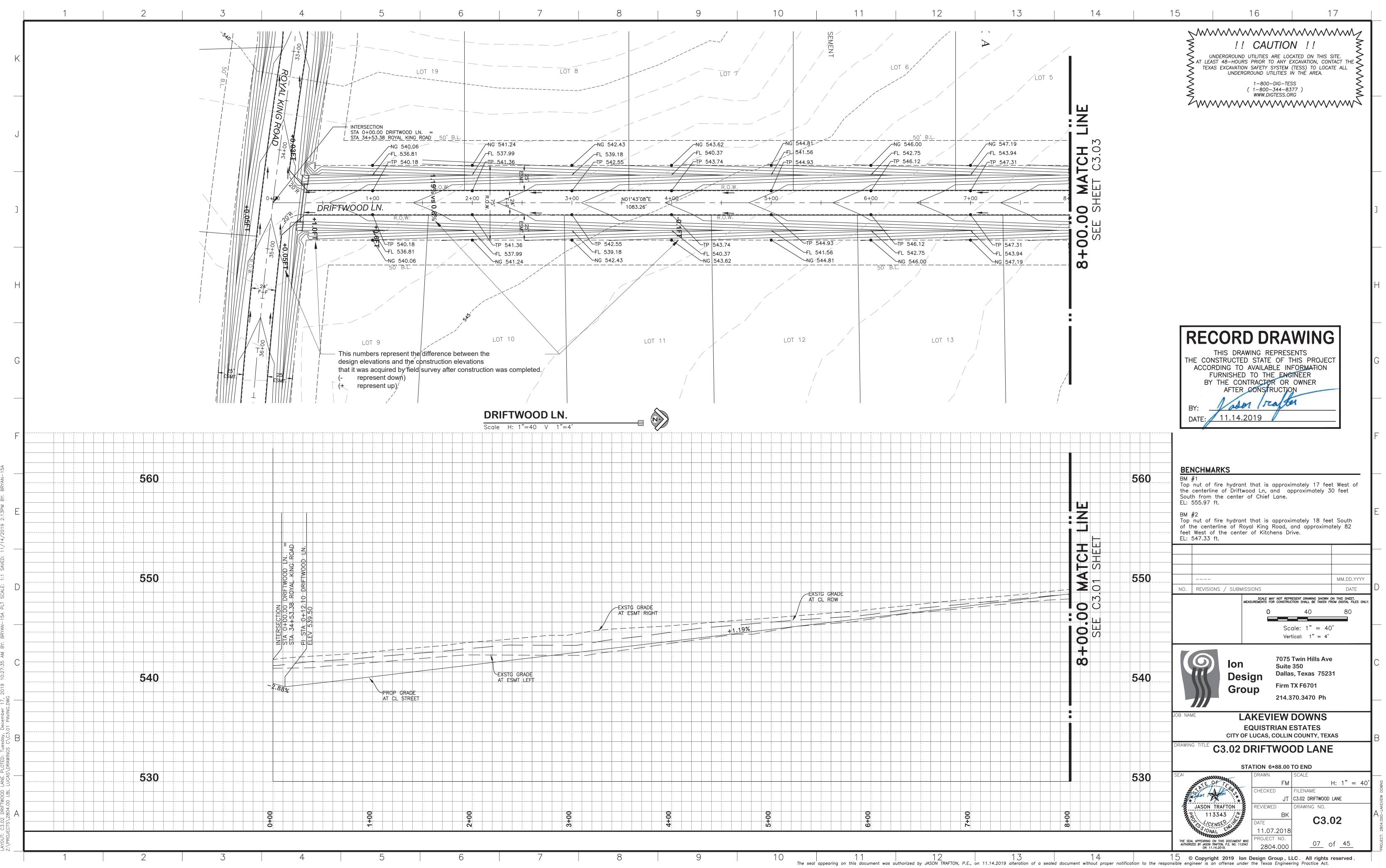
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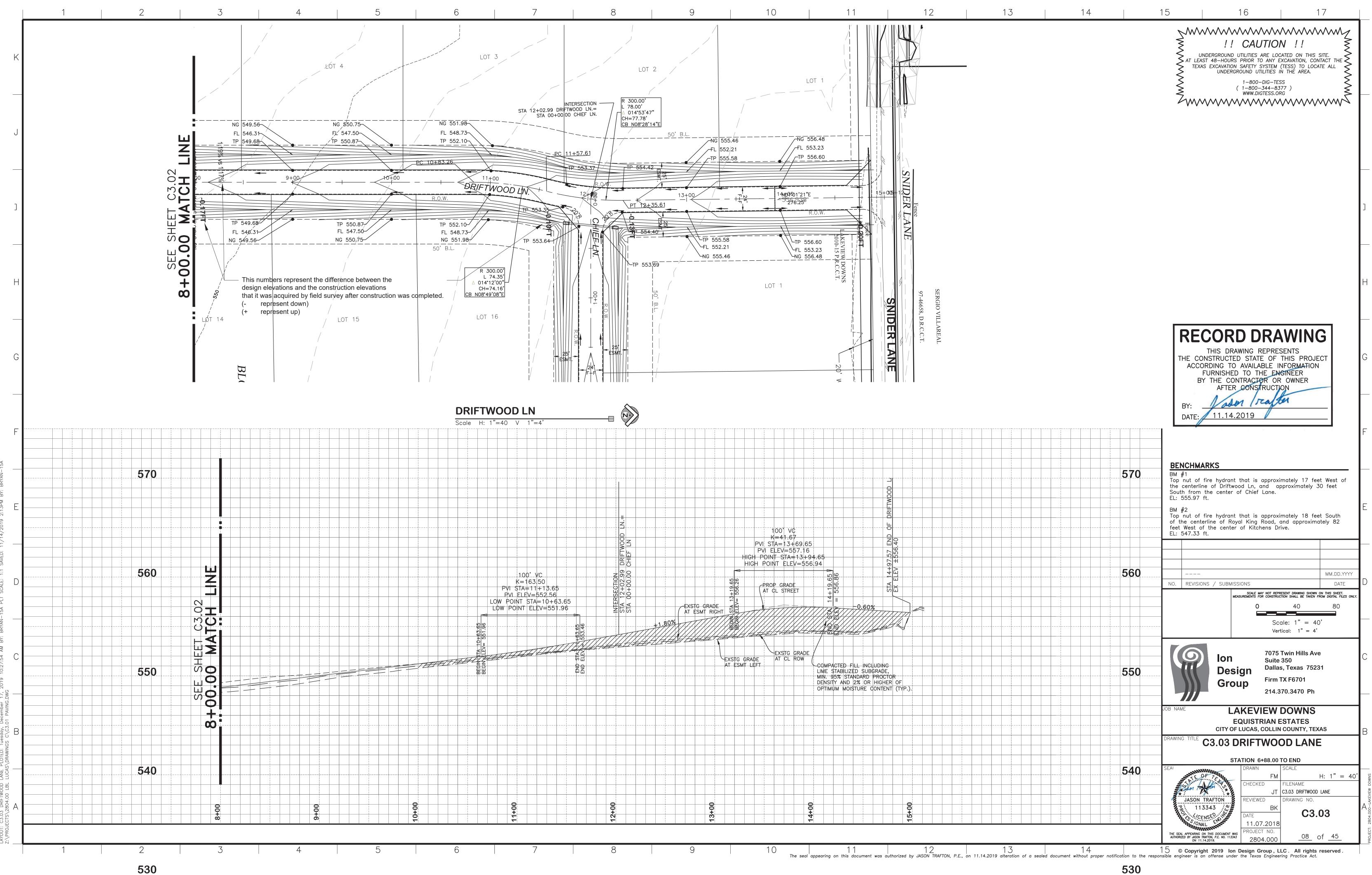


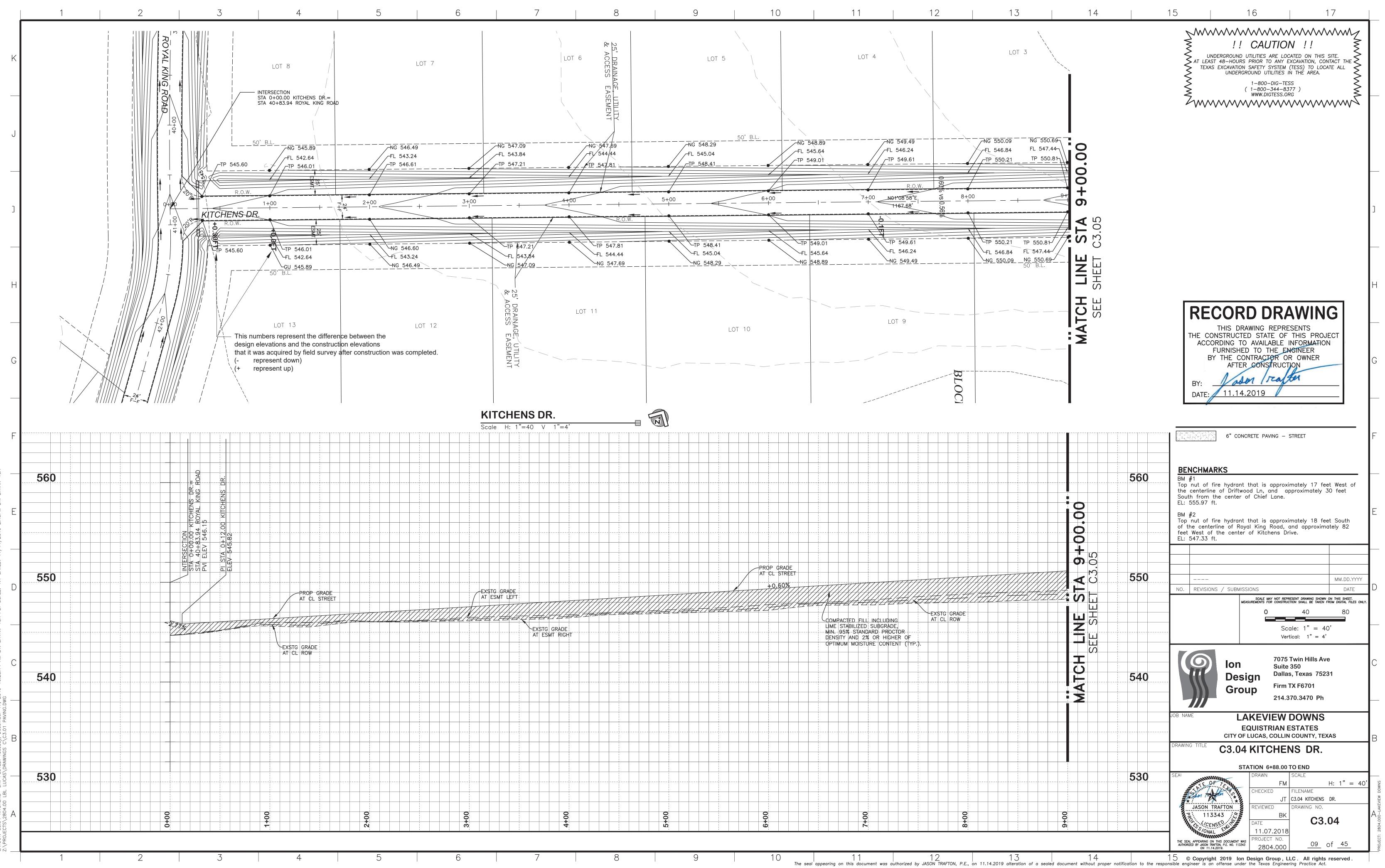
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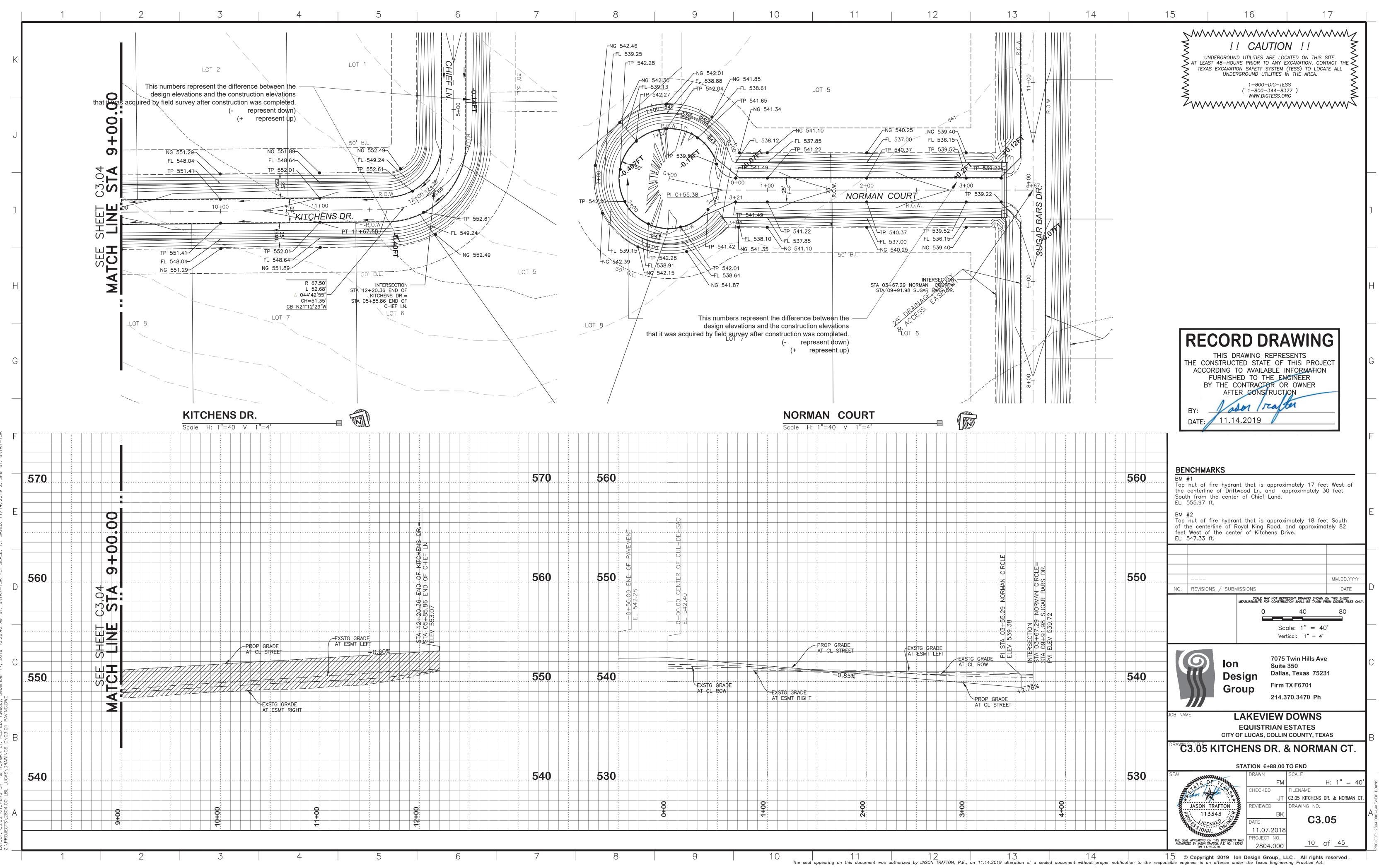
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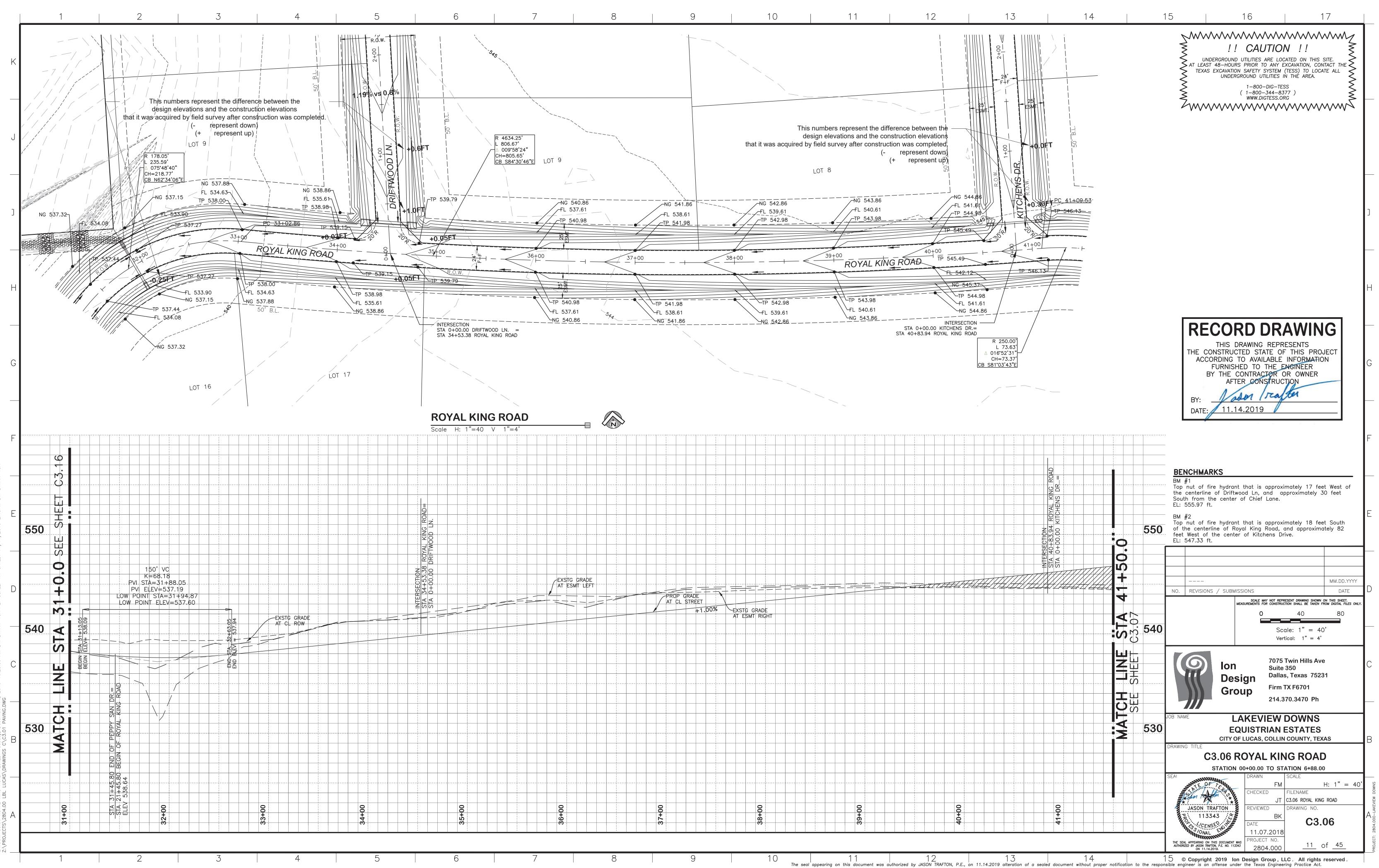
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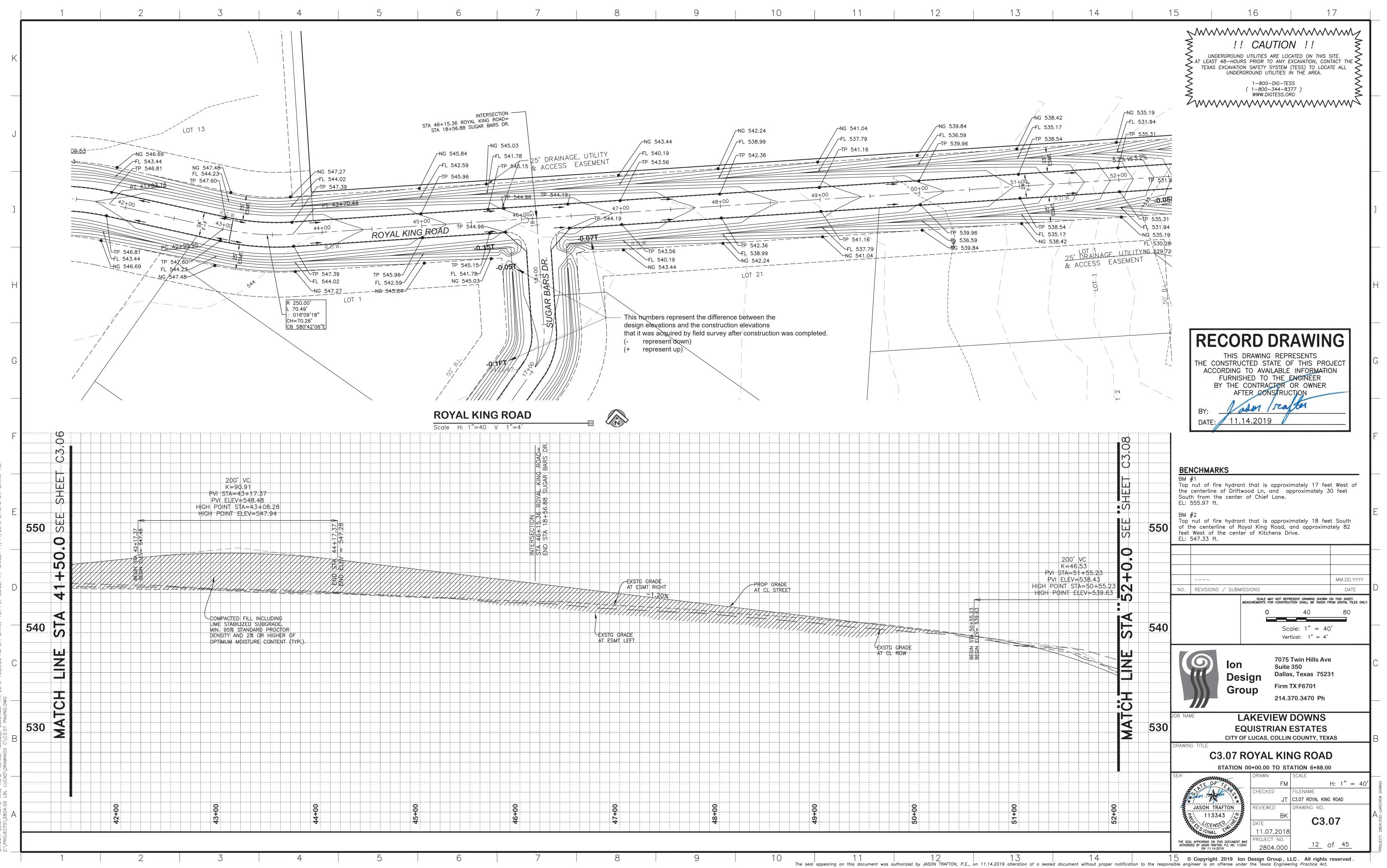


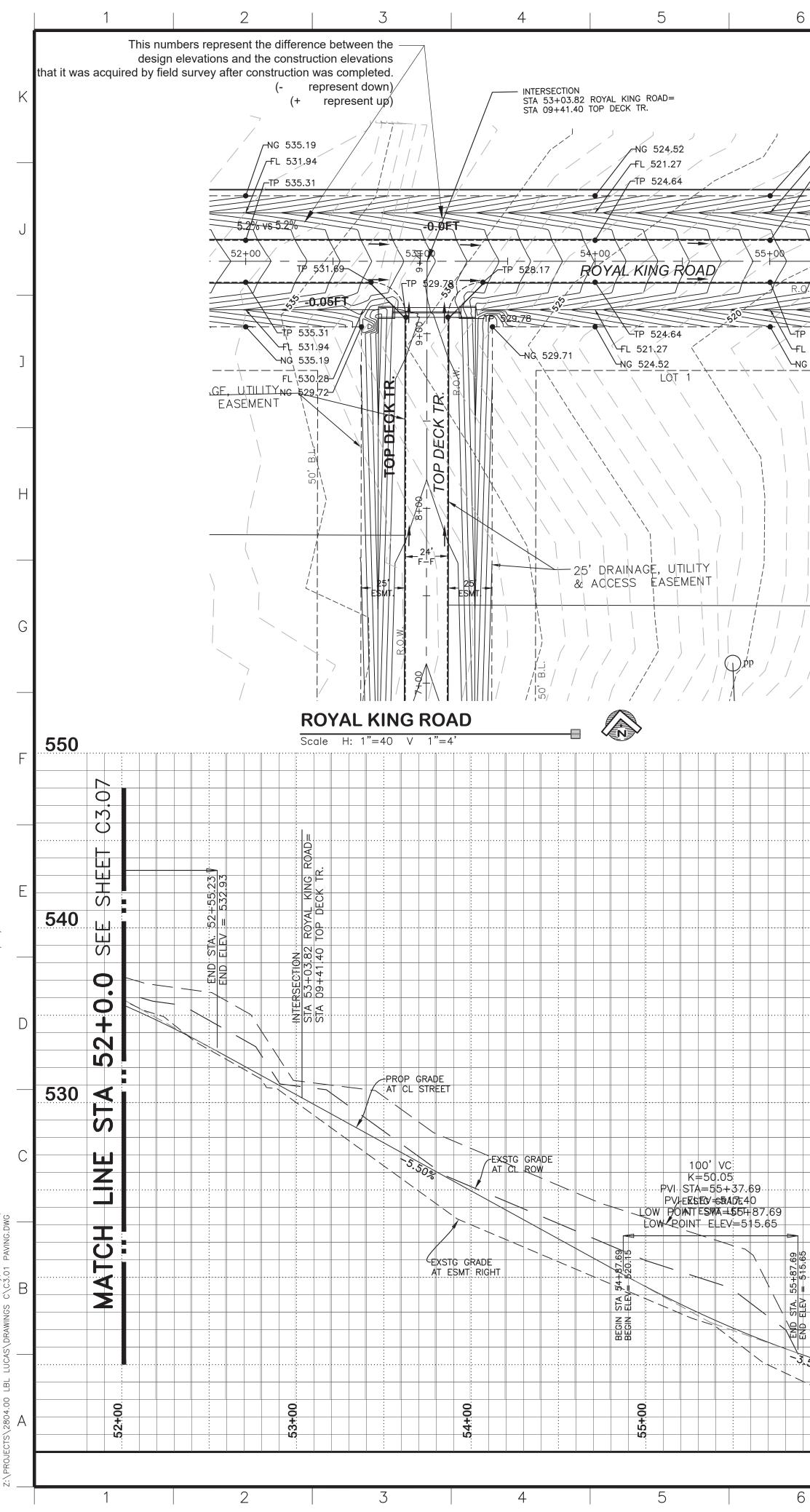












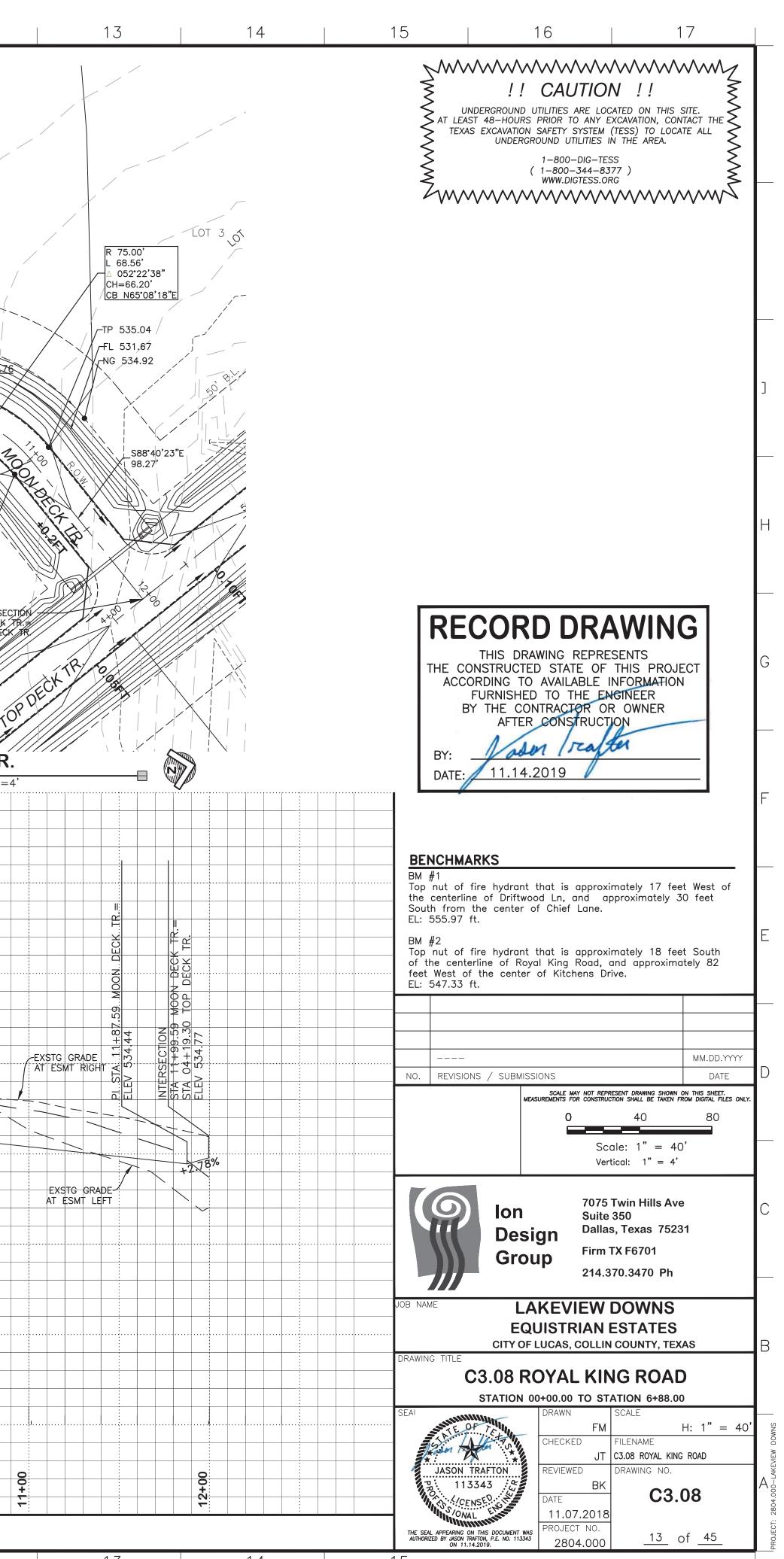
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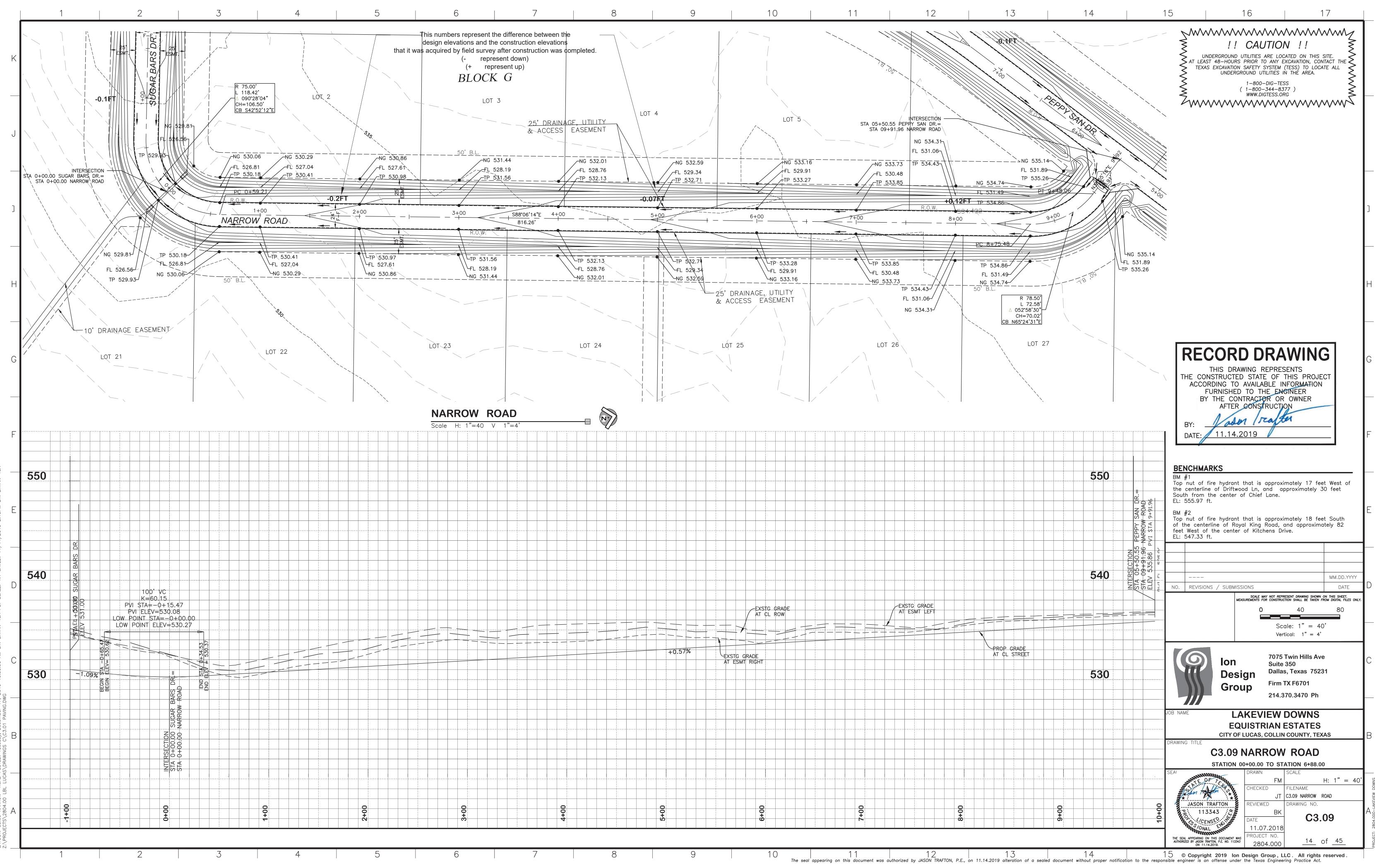
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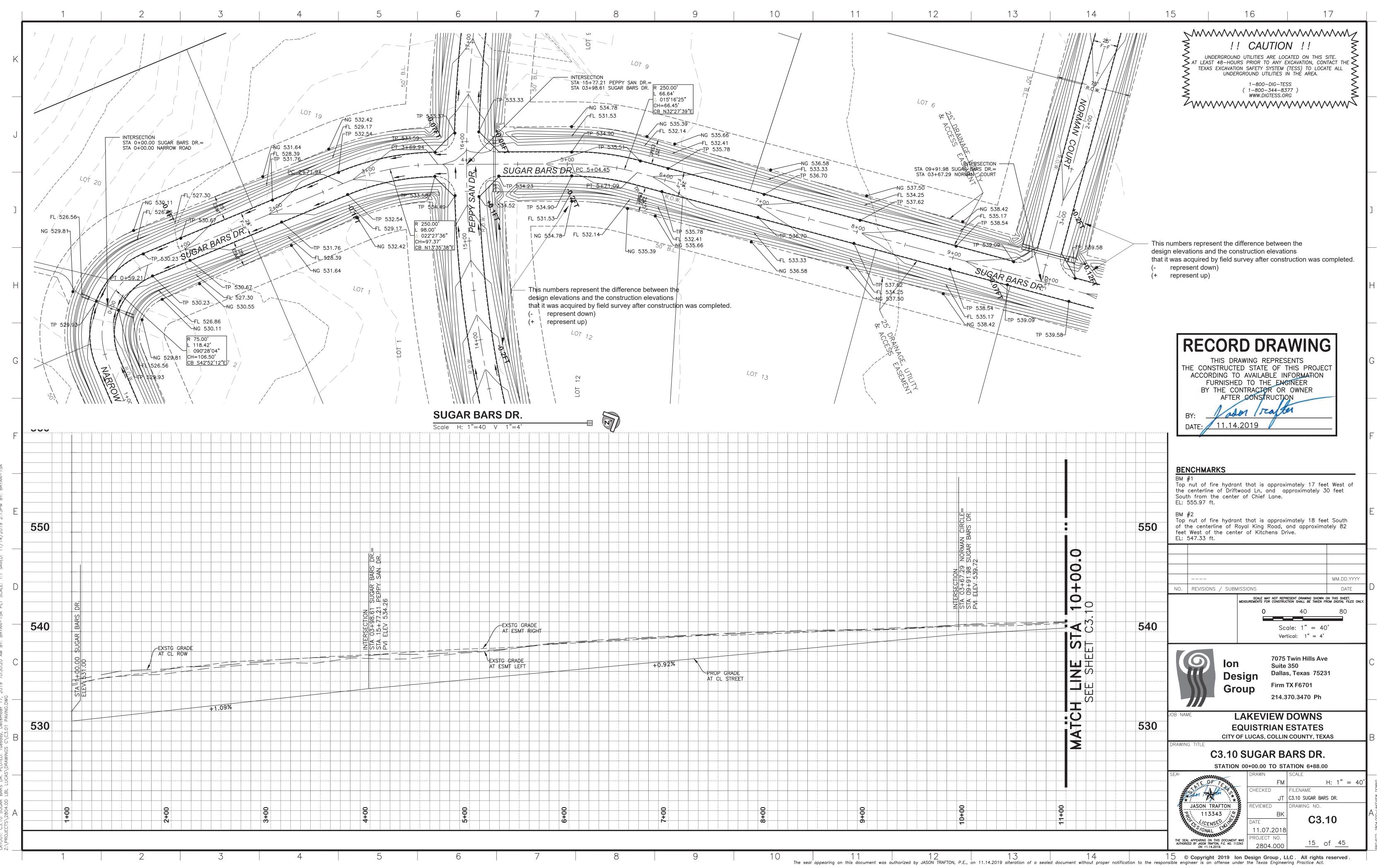
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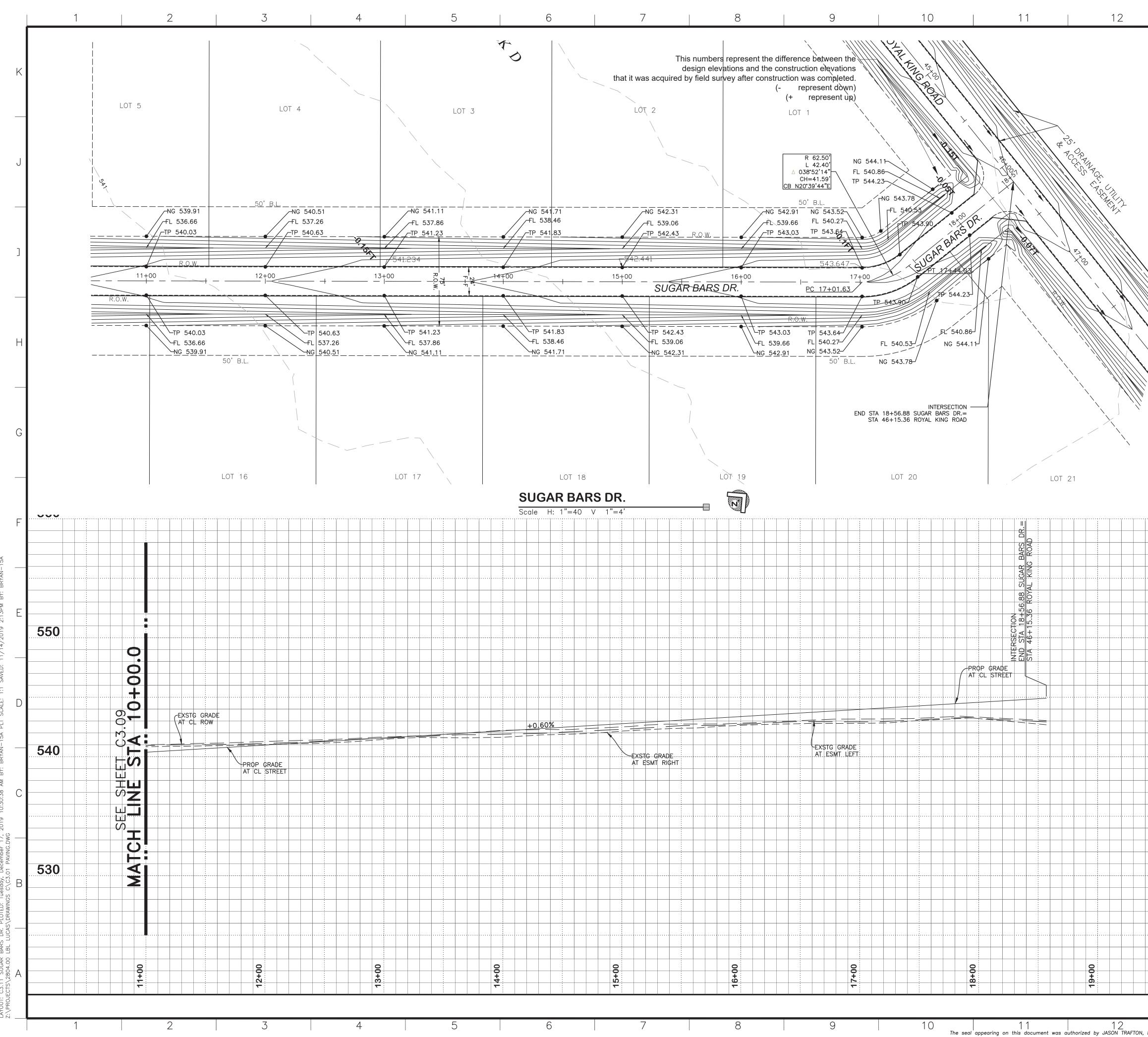


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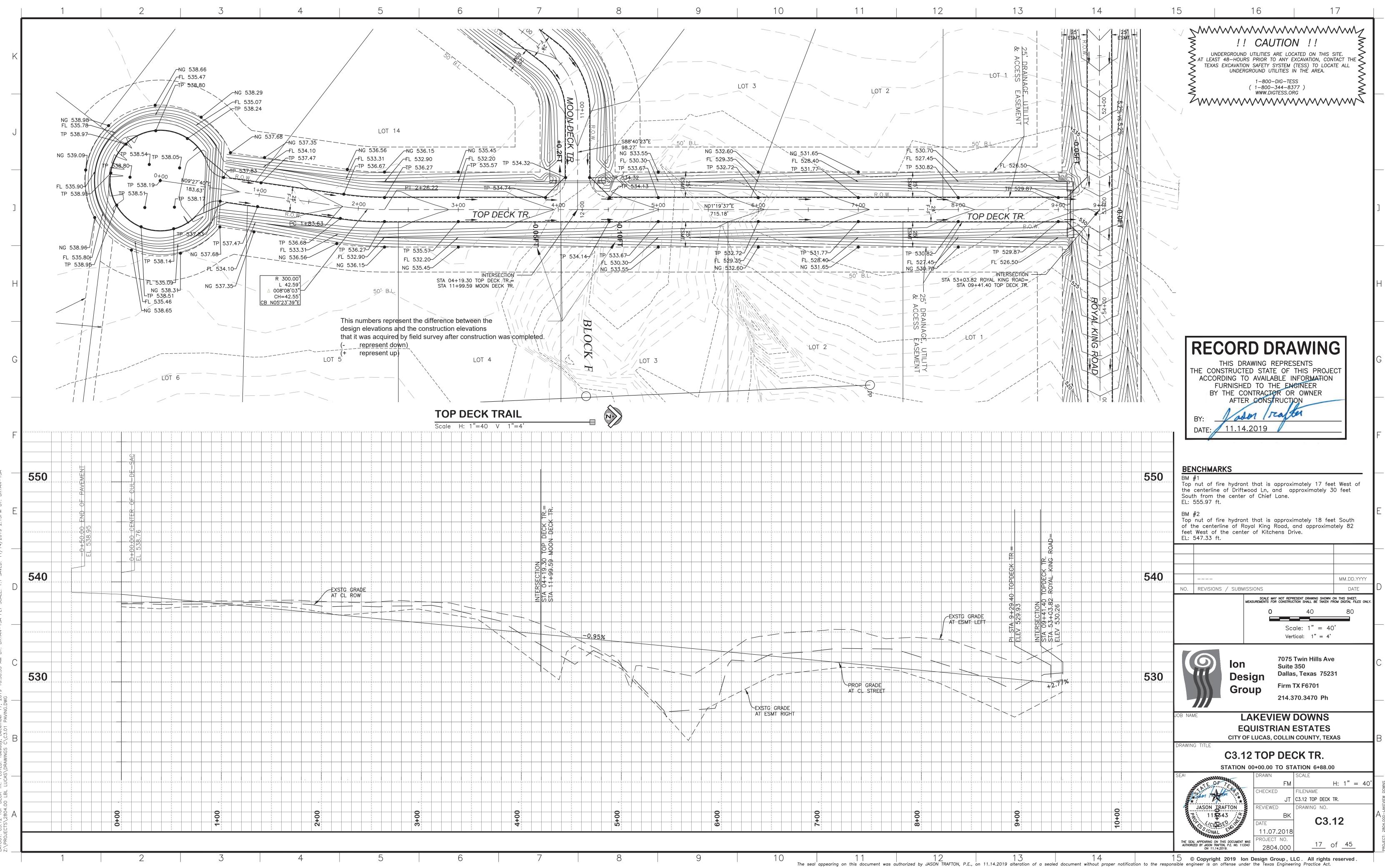


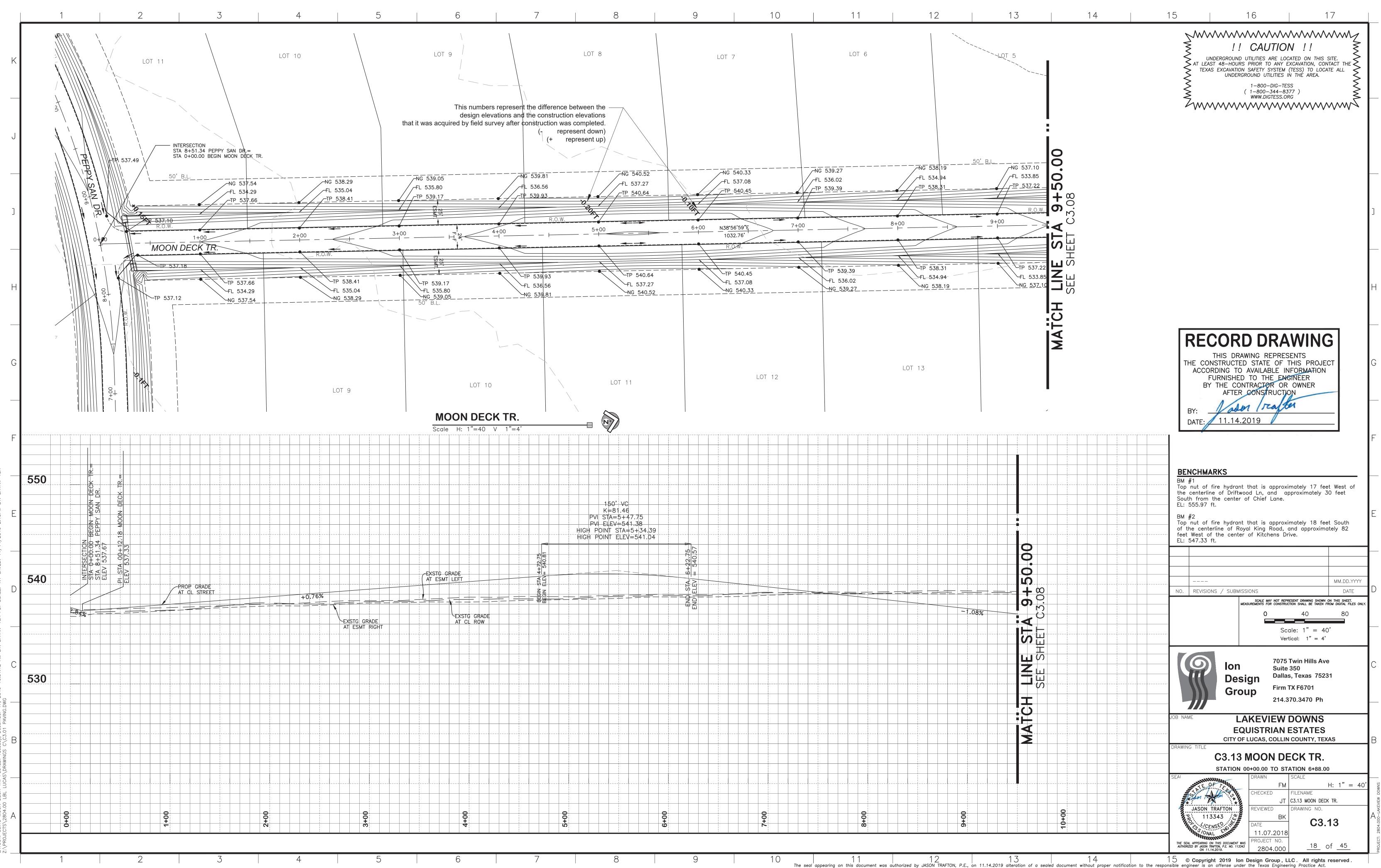


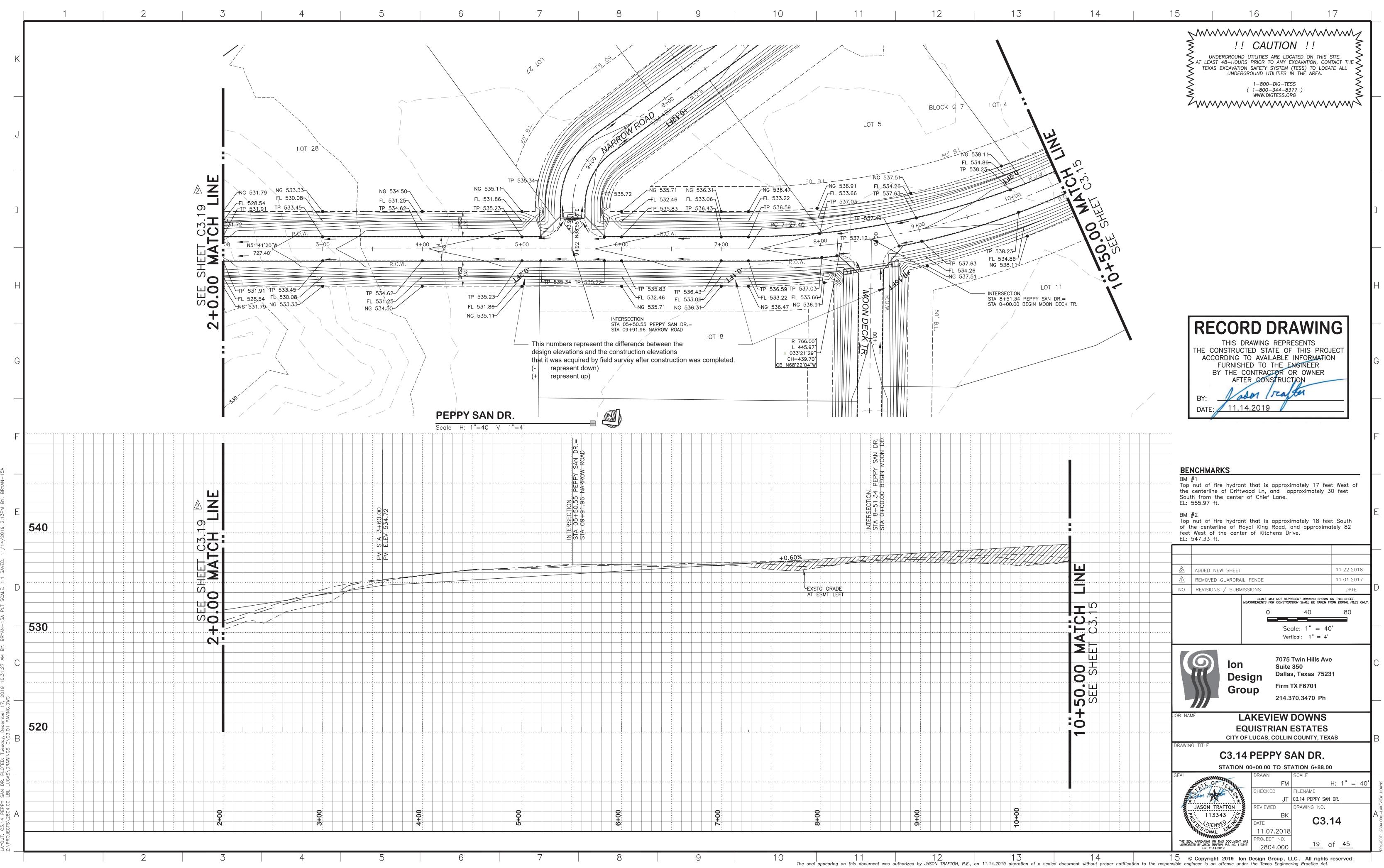
| 13 | 14 | 15 16 17 |
|----|-----|---|
| | | <pre>/// CAUTION /!! /! CAUTION /!! UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA.</pre> |
| | | H |
| | | RECORD DRAWING REPRESENTS THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 |
| | 550 | BENCHMARKS BM #1 Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet South from the center of Chief Lane. EL: 555.97 ft. BM #2 Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. EL: 547.33 ft. |
| | 540 | Image: Scale may not represent drawing shown on this sheet. D NO. REVISIONS / SUBMISSIONS DATE MEASUREMENTS FOR CONSTRUCTION SHALL BE TAKEN FROM DIGITAL FILES ONLY. 0 40 80 Scale: 1" = 40' Vertical: 1" = 4' |
| | 530 | Ion 7075 Twin Hills Ave C Design Dallas, Texas 75231 Dallas, Texas 75231 Firm TX F6701 214.370.3470 Ph JOB NAME LAKEVIEW DOWNS EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS |
| | | DRAWING TITLE C3.11 SUGAR BARS DR. STATION 00+00.00 TO STATION 6+88.00 SEAI SEAI JASON TRAFTON JASON TRAFTON THE SEAL APPEARING ON THIS DOCUMENT WAS O'MAL THE SEAL APPEARING ON THE SEAL APPEARING ON THIS DOCUMENT WAS O'MAL THE SEAL APPEARING ON THE |

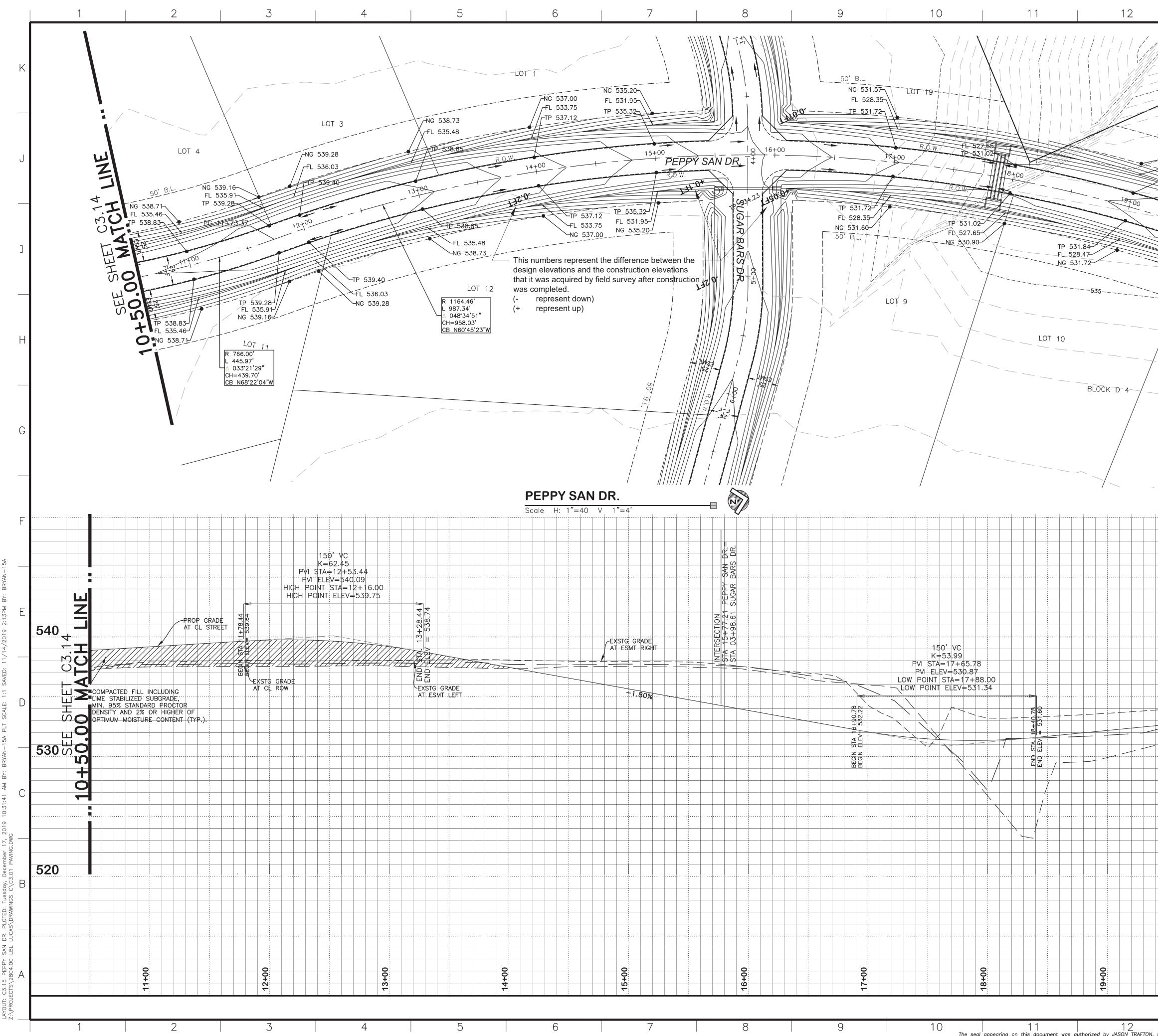
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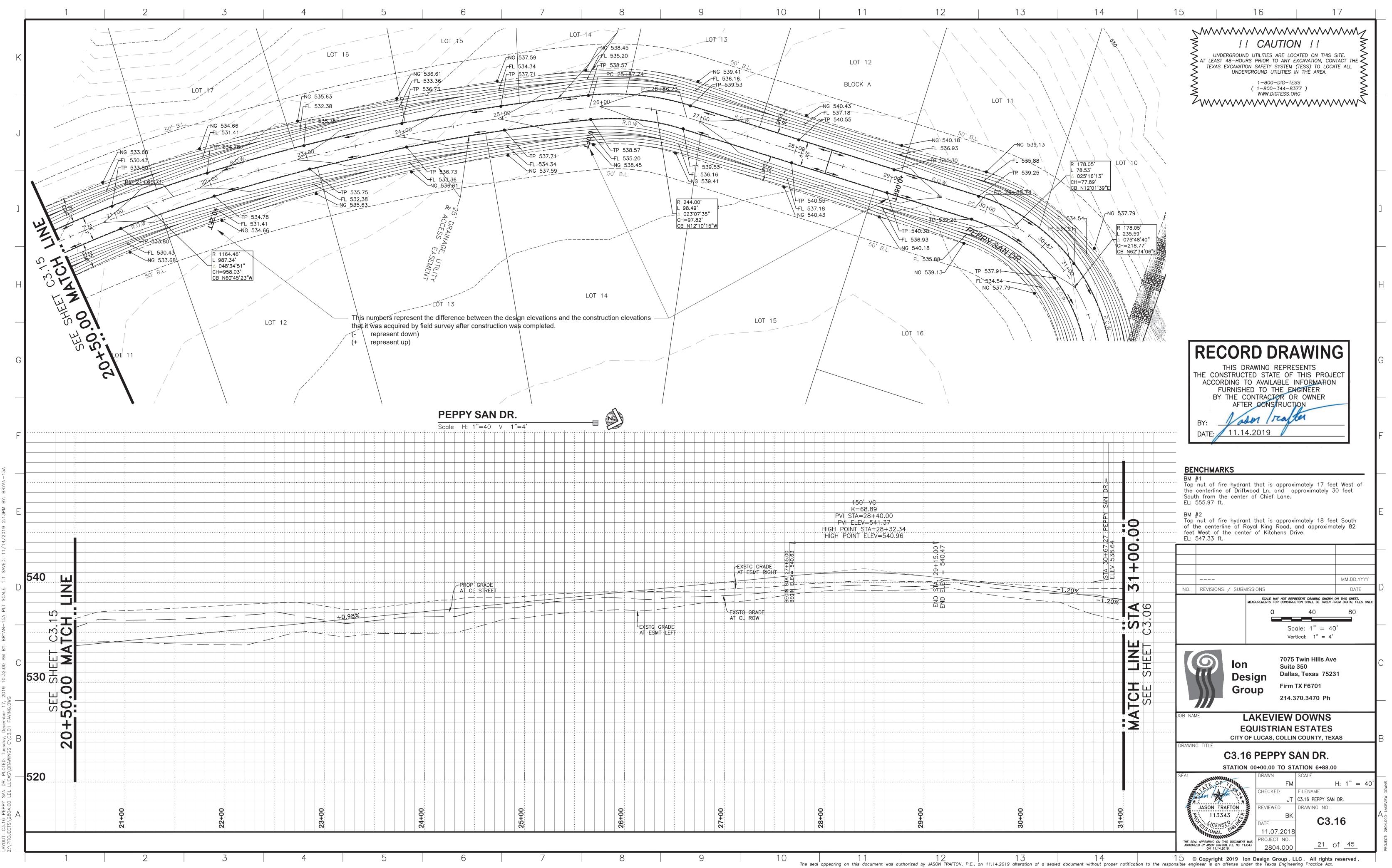


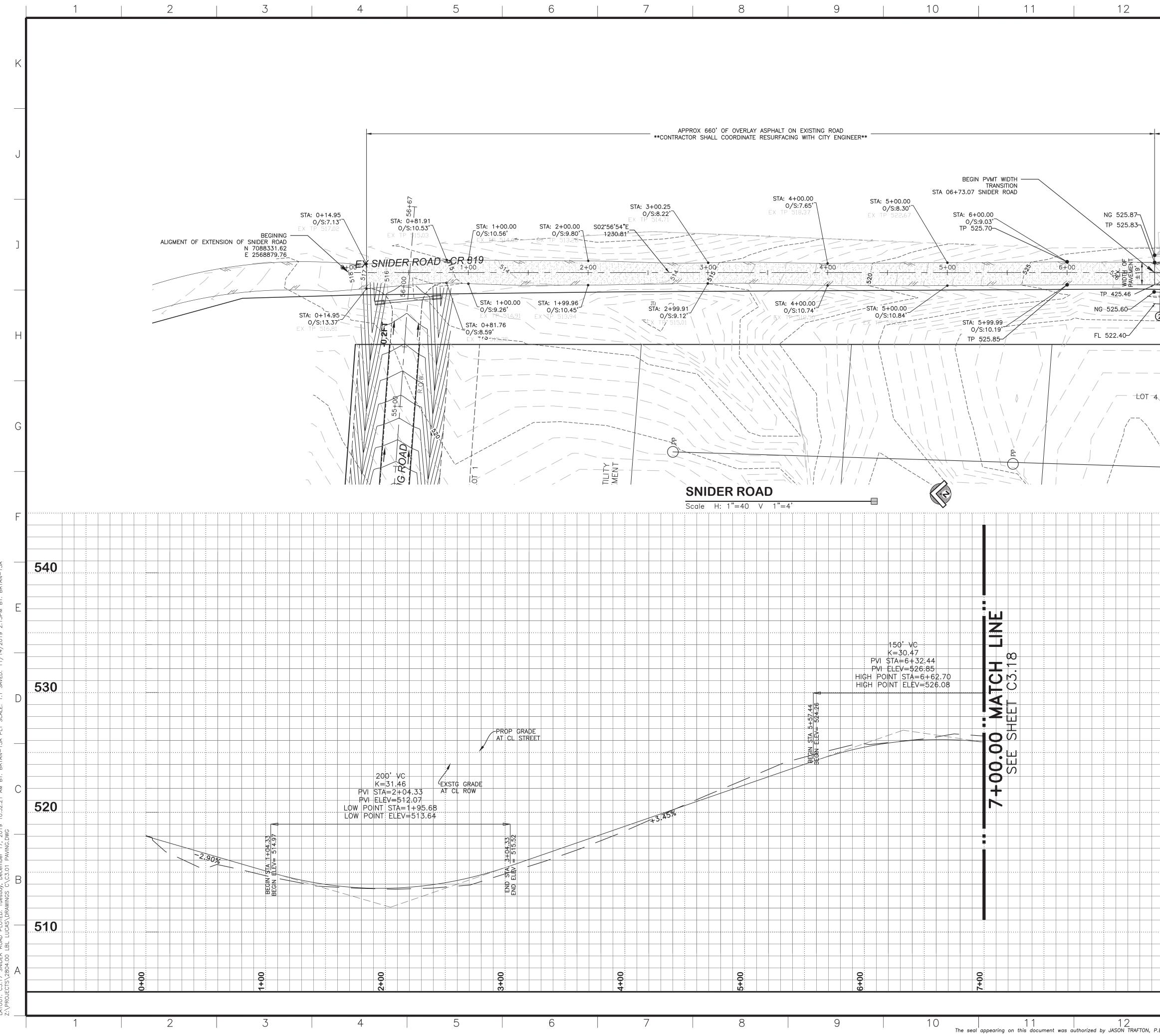






| 13 14 | 15 16 17 |
|--|--|
| | <i>!! CAUTION !!</i> UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA. 1-800-DIG-TESS (1-800-344-8377) WWW.DIGTESS.ORG |
| LOT 18 NG 531.72 FL 528.47 TP 531.84 | |
| 20TOO A MO A MO A MO A MO A MO A MO A MO A | |
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| | RECORD DRAWING THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 |
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| | Ion Design Group IDE NAME |
| | JOB NAME LAKEVIEW DOWNS EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS DRAWING TITLE C3.15 PEPPY SAN DR. STATION 00+00.00 TO STATION 6+88.00 |
| | STATION 00+00.00 TO STATION 6+88.00 SEAI DRAWN SCALE FM H: 1" = 40' Gamma Gamma Gamma JASON TRAFTON Reviewed DRAWN BK BK DRAWING NO. BK DATE DATE THE SEAL APPEARING ON THIS DOCUMENT WAS ON 11.14.2019. PROJECT NO. 20 of 45 |





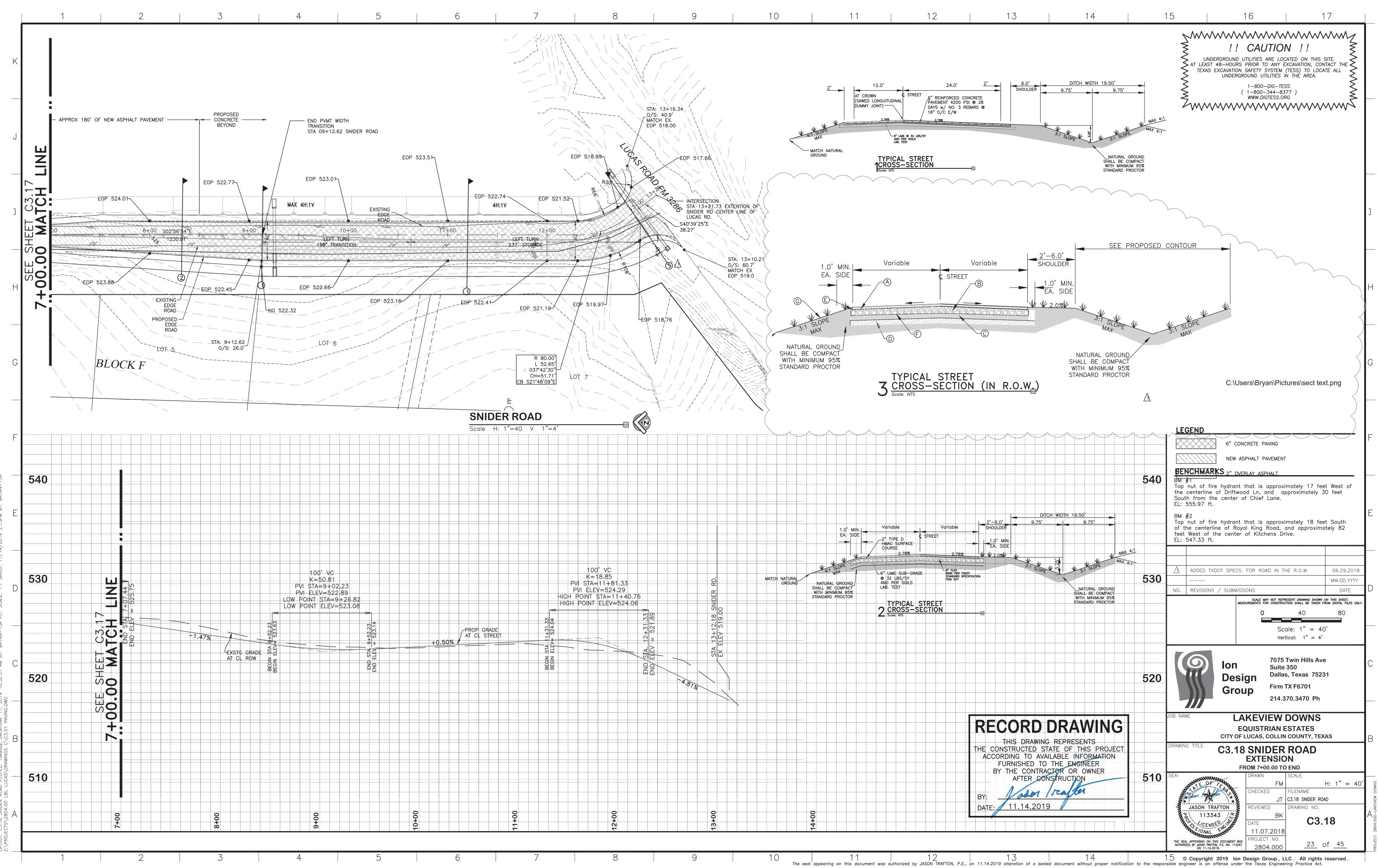
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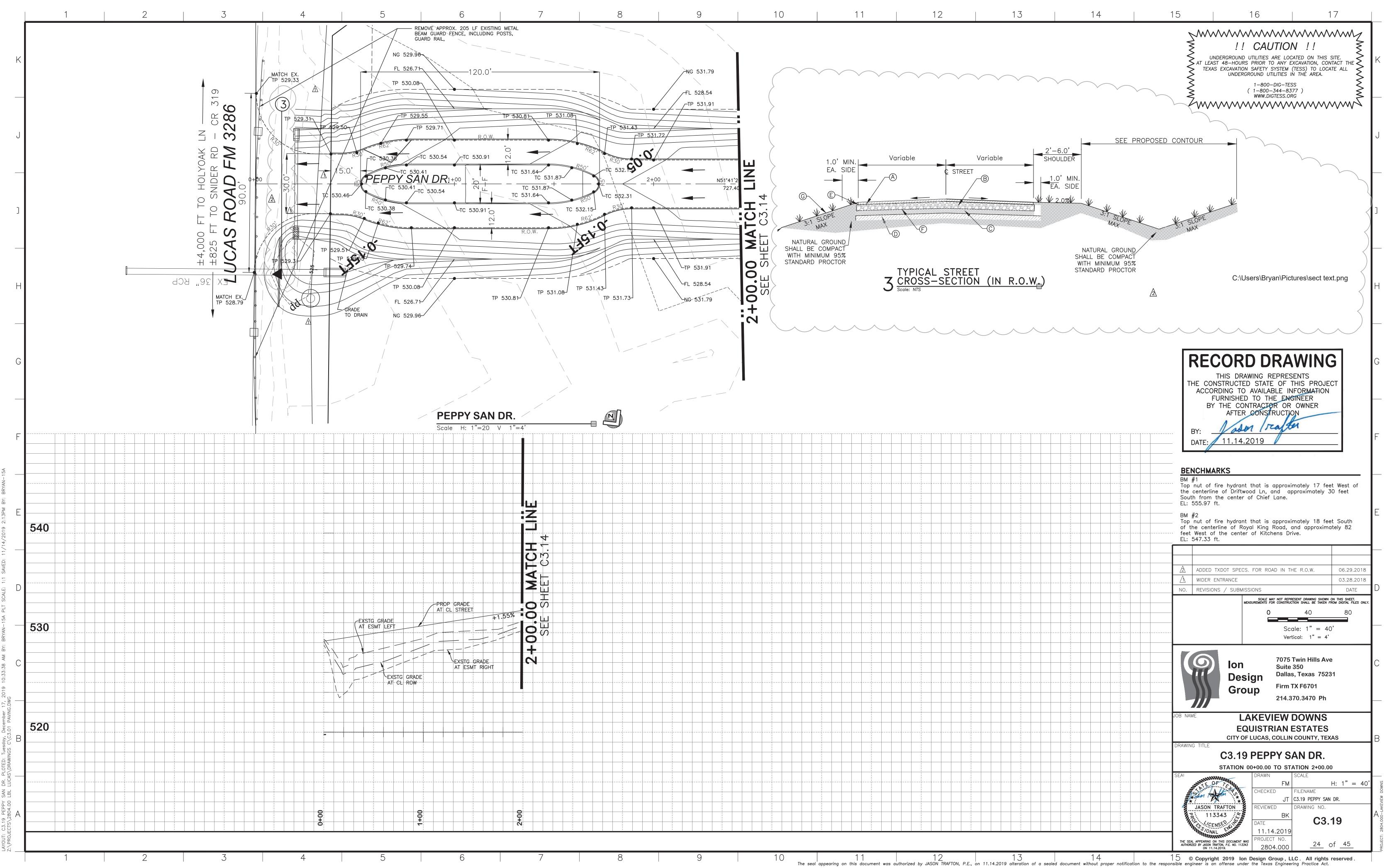


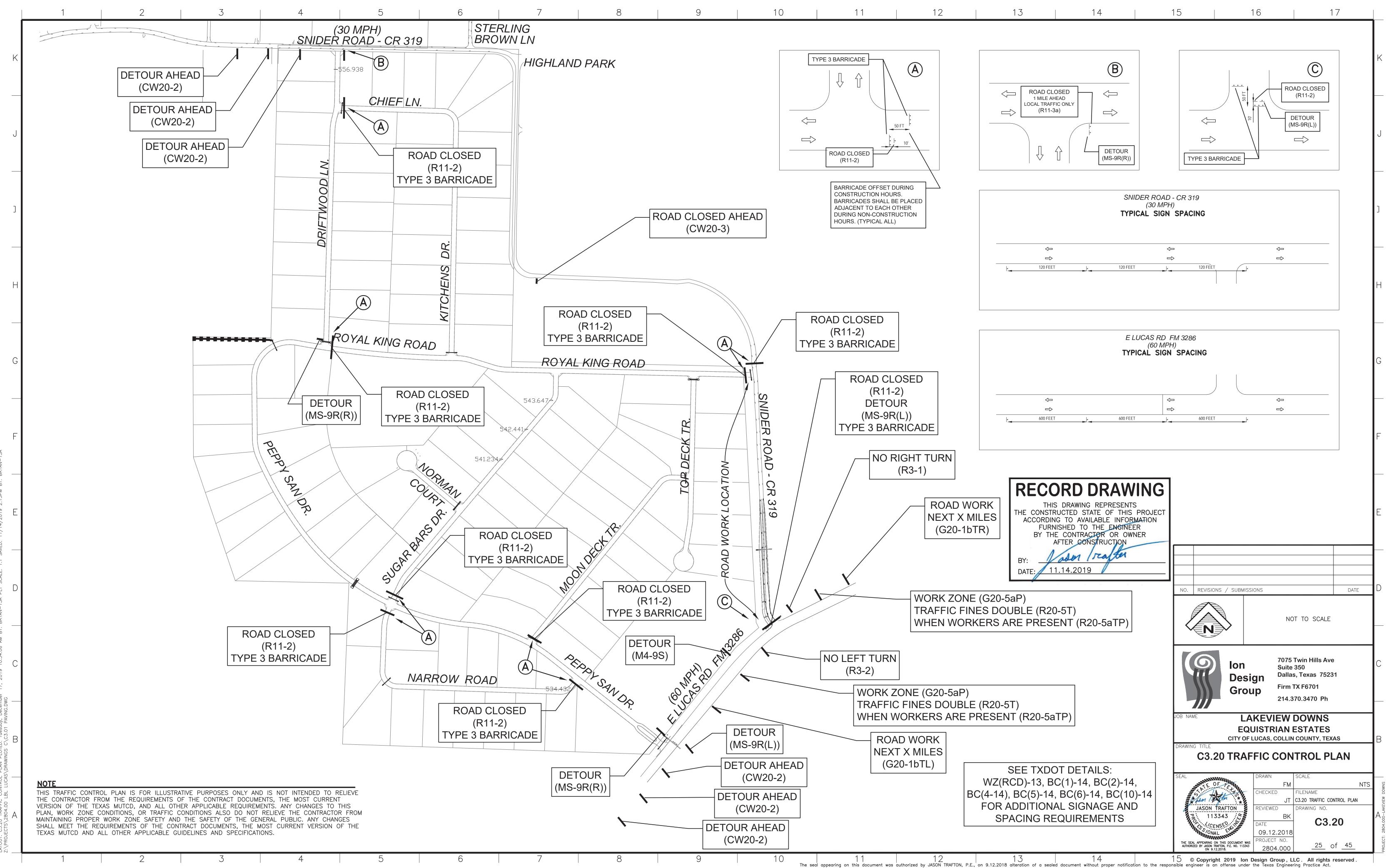
| | 13 | 14 | 15 16 17 |
|---|---------------------------------------|----|---|
| | | | <i>I! CAUTION !!</i> UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA. 1-800-DIG-TESS (1-800-344-8377) WWW.DIGTESS.ORG |
| 2 | 7+00.00 MATCH LINE SEE SHEET C3.18 | | |
| | | | RECORD DRAWING G THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 F |
| | | | 540 BENCHMARKS BM #1 Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet South from the center of Chief Lane. EL: 555.97 ft. BM #2 Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. |
| | | | Teet west of the center of kitchens brive. EL: 547.33 ft. Image: State stat |
| | | | Scale: 1" = 40' Vertical: 1" = 4' Ion Design Group Firm TX F6701 214.370.3470 Ph |
| | | | JOB NAME LAKEVIEW DOWNS EQUISTRIAN ESTATES EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS DRAWING TITLE DRAWING TITLE C3.17 SNIDER ROAD EXTENSION FROM 0+00.00 TO 7+00.00 510 SEAI JASON TRAFTON DRAWN SCALE H: 1" = 40" OHECKED FILENAME JT C3.17 SNIDER ROAD REVIEWED DRAWING NO. |
| | 1 3 | 11 | JASON TRAFTON JT C3.17 SNIDER ROAD JASON TRAFTON REVIEWED DRAWING NO. JONAL BK DATE THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JASON TRAFTON, P.E. NO. 11334 PROJECT NO. 220 of 45 220 of 45 |

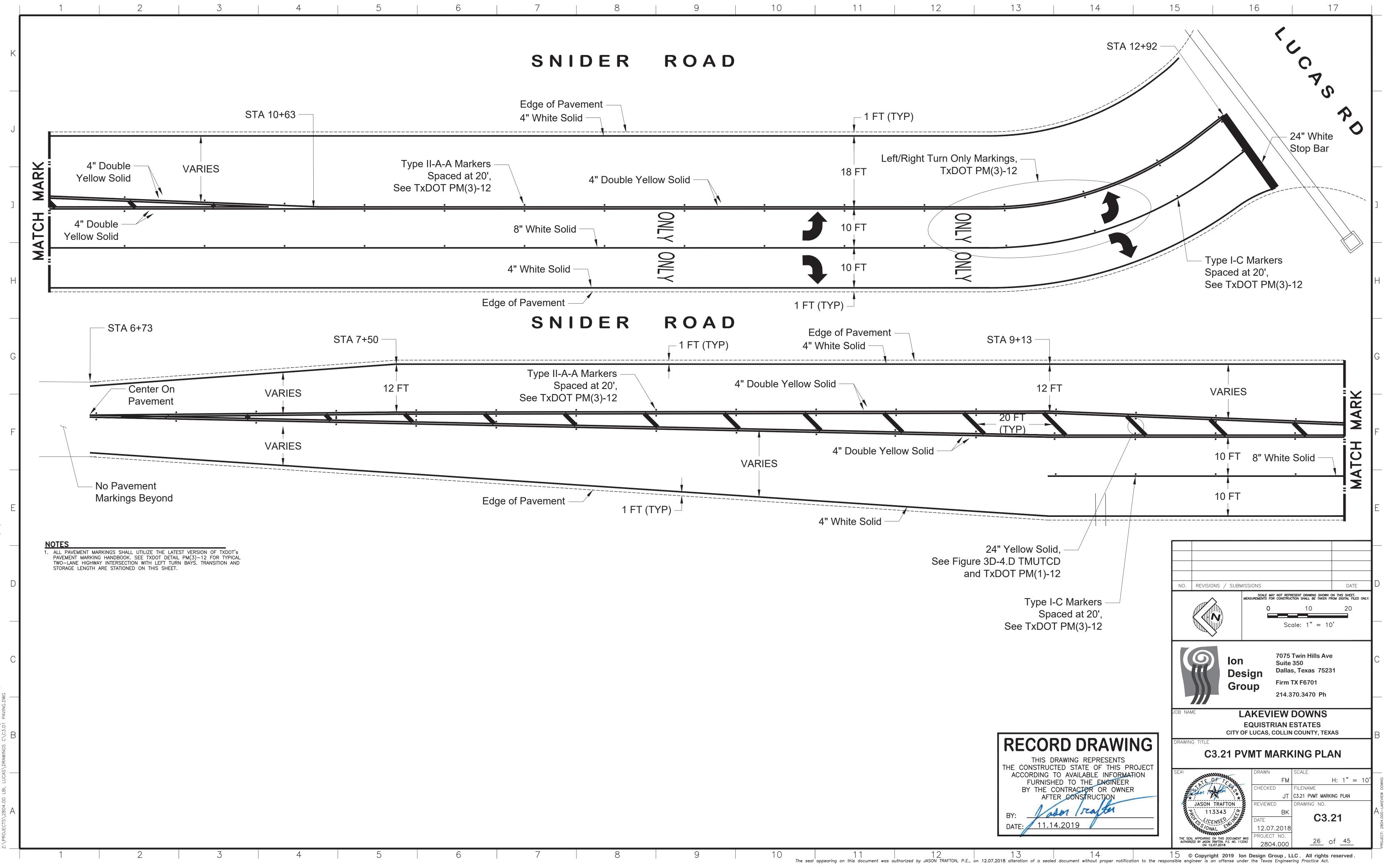
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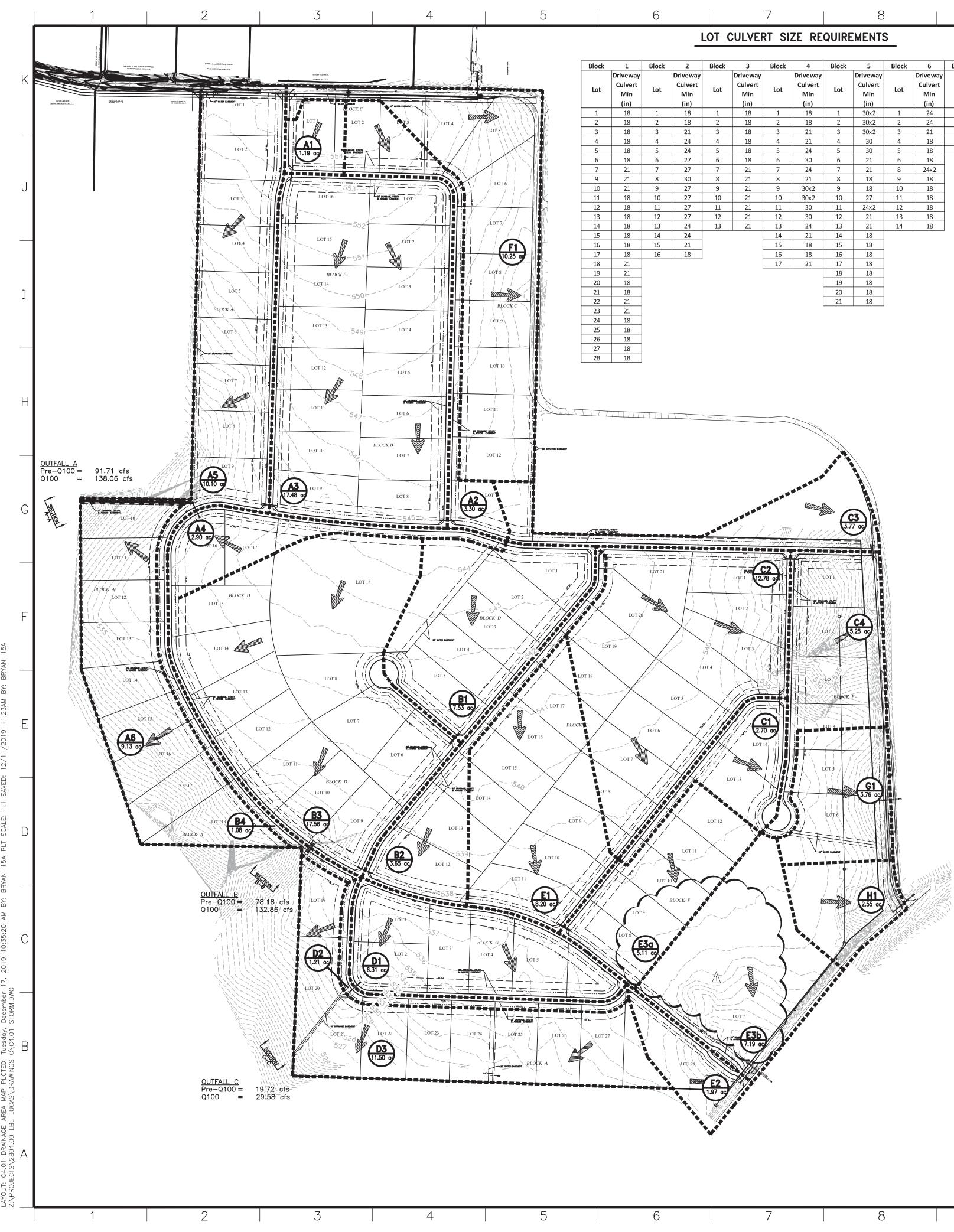
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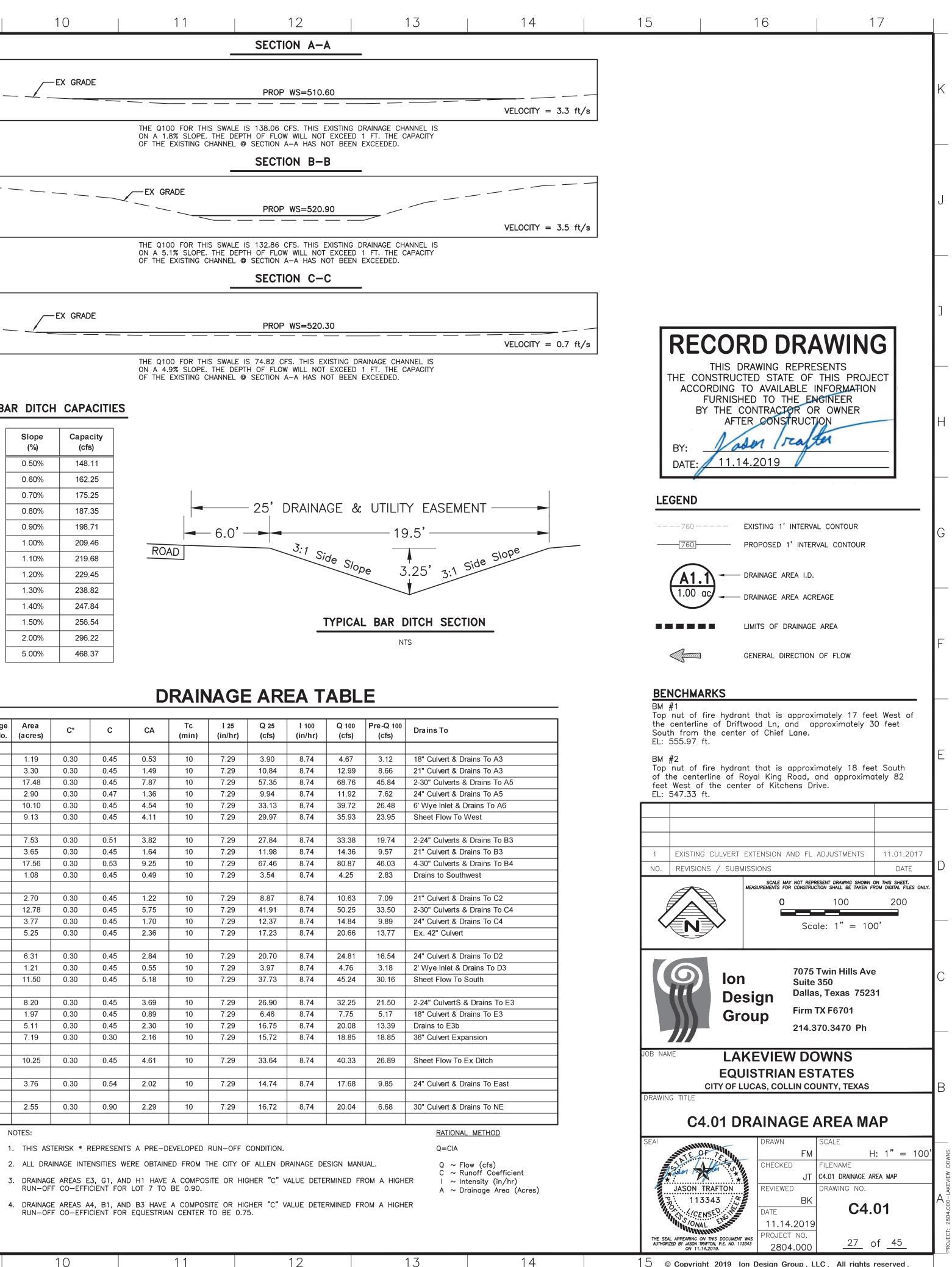




| | | | 7 | | | 8 | | | | 9 | | 10 | 11 | 12 |
|-----|----------|----------|----------|----------|----------|--------------|----------|----------|--------|----------|---|----------|------------------------|--|
| [| LOT | CULVER | RT SI | ZE REG | QUIRE | EMENTS | S | | | | | | | SECTION A-A |
| _ | | | | | | | | | | | | | | |
| | Block | 3 | Block | 4 | Block | 5 | Block | 6 | Block | 7 | | | | |
| way | | Driveway | | Driveway | | Driveway | | Driveway | | Driveway | | EX GRADE | | |
| ert | Lot | Culvert | Lot | Culvert | Lot | Culvert | Lot | Culvert | Lot | Culvert | | | | PROP WS=510.60 |
| n | | Min | | Min | | Min | | Min | | Min | | | | |
|) | 1 | (in) | 1 | (in) | 1 | (in) | 1 | (in) | 1 | (in) | | | | |
| 5 | 1 2 | 18 18 | 1 2 | 18 18 | 1 2 | 30x2 30x2 | 1 | 24 24 | 1 2 | 18 | | | THE Q100 FOR THIS SWA | ALE IS 138.06 CFS. THIS EXISTIN |
| , | 3 | 18 | 3 | 21 | 3 | 30x2 | 3 | 24 | 3 | 30 | | | ON A 1.8% SLOPE. THE | DEPTH OF FLOW WILL NOT EXCE EL @ SECTION A-A HAS NOT BE |
| | 4 | 18 | 4 | 21 | 4 | 30 | 4 | 18 | 4 | 24 | | | | LE & SECTION A-A HAS NOT BE |
| ŀ | 5 | 18 | 5 | 24 | 5 | 30 | 5 | 18 | 5 | 21 | | | | SECTION B-B |
| 7 | 6 | 18 | 6 | 30 | 6 | 21 | 6 | 18 | | • | | | | |
| 7 | 7 | 21 | 7 | 24 | 7 | 21 | 8 | 24x2 | | | | | | |
|) | 8 | 21 | 8 | 21 | 8 | 18 | 9 | 18 | | | | | EX GRADE | |
| , | 9 | 21 | 9 | 30x2 | 9 | 18 | 10 | 18 | | | | | | PROP WS=520.90 |
| , | 10 | 21 | 10 | 30x2 | 10 | 27 | 11 | 18 | | | | | | FROF W3=520.90 |
| , | 11 12 | 21 | <u> </u> | 30 30 | 11 12 | 24x2 21 | 12 13 | 18 18 | | | | | | |
| | 13 | 21 | 12 | 24 | 12 | 21 | 15 | 18 | | | | | | |
| | 15 | | 14 | 21 | 14 | 18 | | 10 | | | | | | ALE IS 132.86 CFS. THIS EXISTIN DEPTH OF FLOW WILL NOT EXCE |
| | | - | 15 | 18 | 15 | 18 | | | | | | | OF THE EXISTING CHANNI | EL @ SECTION A-A HAS NOT BE |
| 3 | | | 16 | 18 | 16 | 18 | | | | | | | | |
| | | | 17 | 21 | 17 | 18 | | | | | | | | SECTION C-C |
| | | | | Ļ | 18 | 18 | | | | | | | | |
| | | | | F | 19 | 18 | | | | | | | | |
| | | | | F | 20 | 18 | | | | | | EX_GRADE | | |
| | | | | L | 21 | 18 | | | | | L | | | PROP WS=520.30 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

BAR DITCH CAPACITIES

| Slope (%) | Capacity (cfs) |
|--------------|-------------------|
| 0.50% | 148.11 |
| 0.60% | 162.25 |
| 0.70% | 175.25 |
| 0.80% | 187.35 |
| 0.90% | 198.71 |
| 1.00% | 209.46 |
| 1.10% | 219.68 |
| 1.20% | 229.45 |
| 1.30% | 238.82 |
| 1.40% | 247.84 |
| 1.50% | 256.54 |
| 2.00% | 296.22 |
| 5.00% | 468.37 |



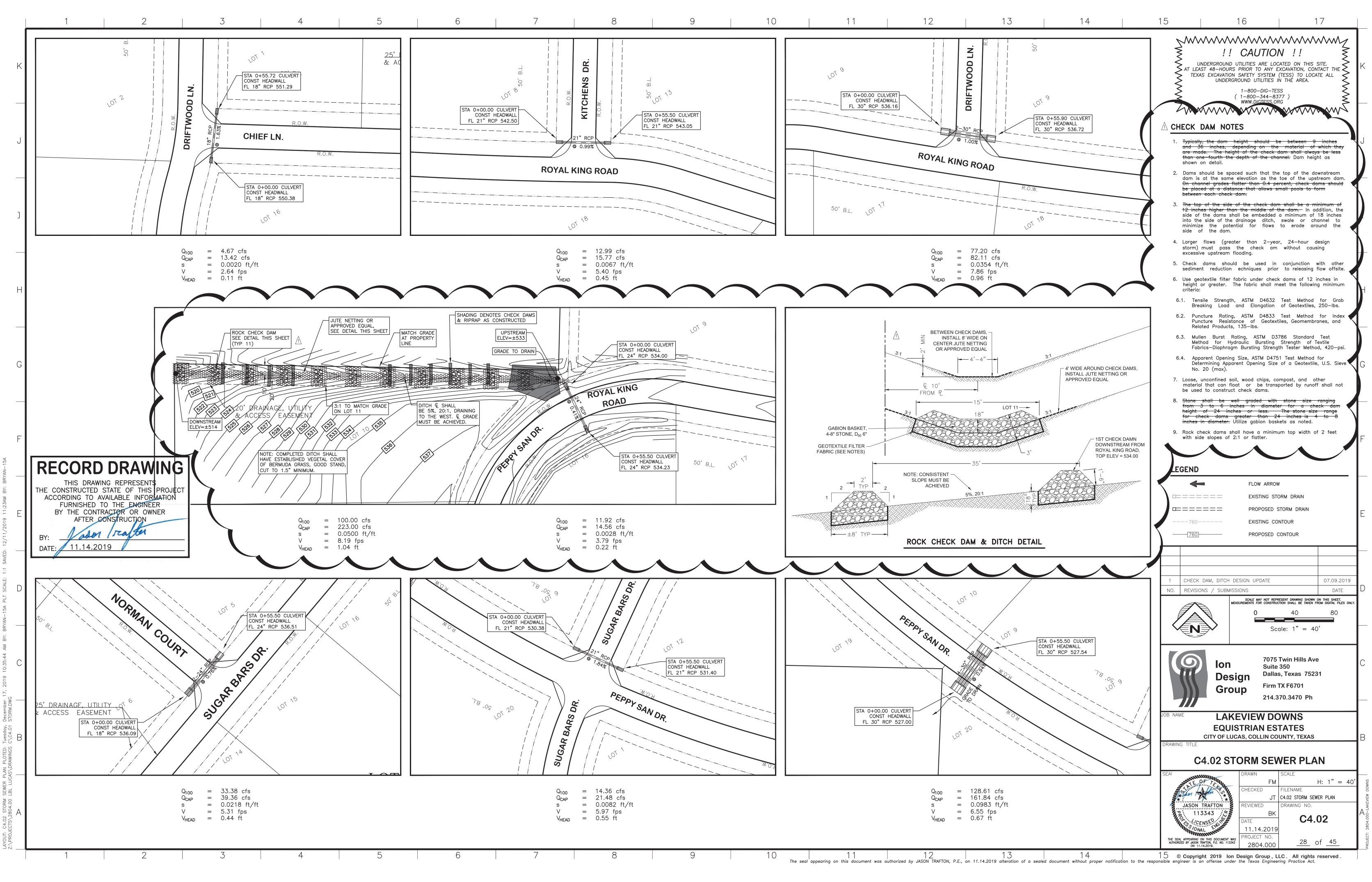
| Drainage Area No. | Area (acres) | C * | с | СА | Tc (min) | l 25 (in/hr) | Q 25 (cfs) | l 100 (in/hr) |
|----------------------|-----------------|------------|------|------|-------------|-----------------|---------------|------------------|
| | | | | | | | | |
| A1 | 1.19 | 0.30 | 0.45 | 0.53 | 10 | 7.29 | 3.90 | 8.74 |
| A2 | 3.30 | 0.30 | 0.45 | 1.49 | 10 | 7.29 | 10.84 | 8.74 |
| A3 | 17.48 | 0.30 | 0.45 | 7.87 | 10 | 7.29 | 57.35 | 8.74 |
| A4 | 2.90 | 0.30 | 0.47 | 1.36 | 10 | 7.29 | 9.94 | 8.74 |
| A5 | 10.10 | 0.30 | 0.45 | 4.54 | 10 | 7.29 | 33.13 | 8.74 |
| A6 | 9.13 | 0.30 | 0.45 | 4.11 | 10 | 7.29 | 29.97 | 8.74 |
| B1 | 7.53 | 0.30 | 0.51 | 3.82 | 10 | 7.29 | 27.84 | 8.74 |
| B1 B2 | 3.65 | 0.30 | 0.45 | 1.64 | 10 | 7.29 | 11.98 | 8.74 |
| B3 | 17.56 | 0.30 | 0.53 | 9.25 | 10 | 7.29 | 67.46 | 8.74 |
| B4 | 1.08 | 0.30 | 0.45 | 0.49 | 10 | 7.29 | 3.54 | 8.74 |
| | | 0.00 | | | | | 0.01 | |
| C1 | 2.70 | 0.30 | 0.45 | 1.22 | 10 | 7.29 | 8.87 | 8.74 |
| C2 | 12.78 | 0.30 | 0.45 | 5.75 | 10 | 7.29 | 41.91 | 8.74 |
| C3 | 3.77 | 0.30 | 0.45 | 1.70 | 10 | 7.29 | 12.37 | 8.74 |
| C4 | 5.25 | 0.30 | 0.45 | 2.36 | 10 | 7.29 | 17.23 | 8.74 |
| | | | | | | | | |
| D1 | 6.31 | 0.30 | 0.45 | 2.84 | 10 | 7.29 | 20.70 | 8.74 |
| D2 | 1.21 | 0.30 | 0.45 | 0.55 | 10 | 7.29 | 3.97 | 8.74 |
| D3 | 11.50 | 0.30 | 0.45 | 5.18 | 10 | 7.29 | 37.73 | 8.74 |
| E1 | 8.20 | 0.30 | 0.45 | 3.69 | 10 | 7.29 | 26.90 | 8.74 |
| E2 | 1.97 | 0.30 | 0.45 | 0.89 | 10 | 7.29 | 6.46 | 8.74 |
| E3a | 5.11 | 0.30 | 0.45 | 2.30 | 10 | 7.29 | 16.75 | 8.74 |
| E3b | 7.19 | 0.30 | 0.30 | 2.16 | 10 | 7.29 | 15.72 | 8.74 |
| | | | | | | | | |
| F1 | 10.25 | 0.30 | 0.45 | 4.61 | 10 | 7.29 | 33.64 | 8.74 |
| G1 | 3.76 | 0.30 | 0.54 | 2.02 | 10 | 7.29 | 14.74 | 8.74 |
| 114 | 0.55 | 0.20 | 0.00 | 2.00 | 40 | 7.00 | 16 70 | 0.74 |
| H1 | 2.55 | 0.30 | 0.90 | 2.29 | 10 | 7.29 | 16.72 | 8.74 |

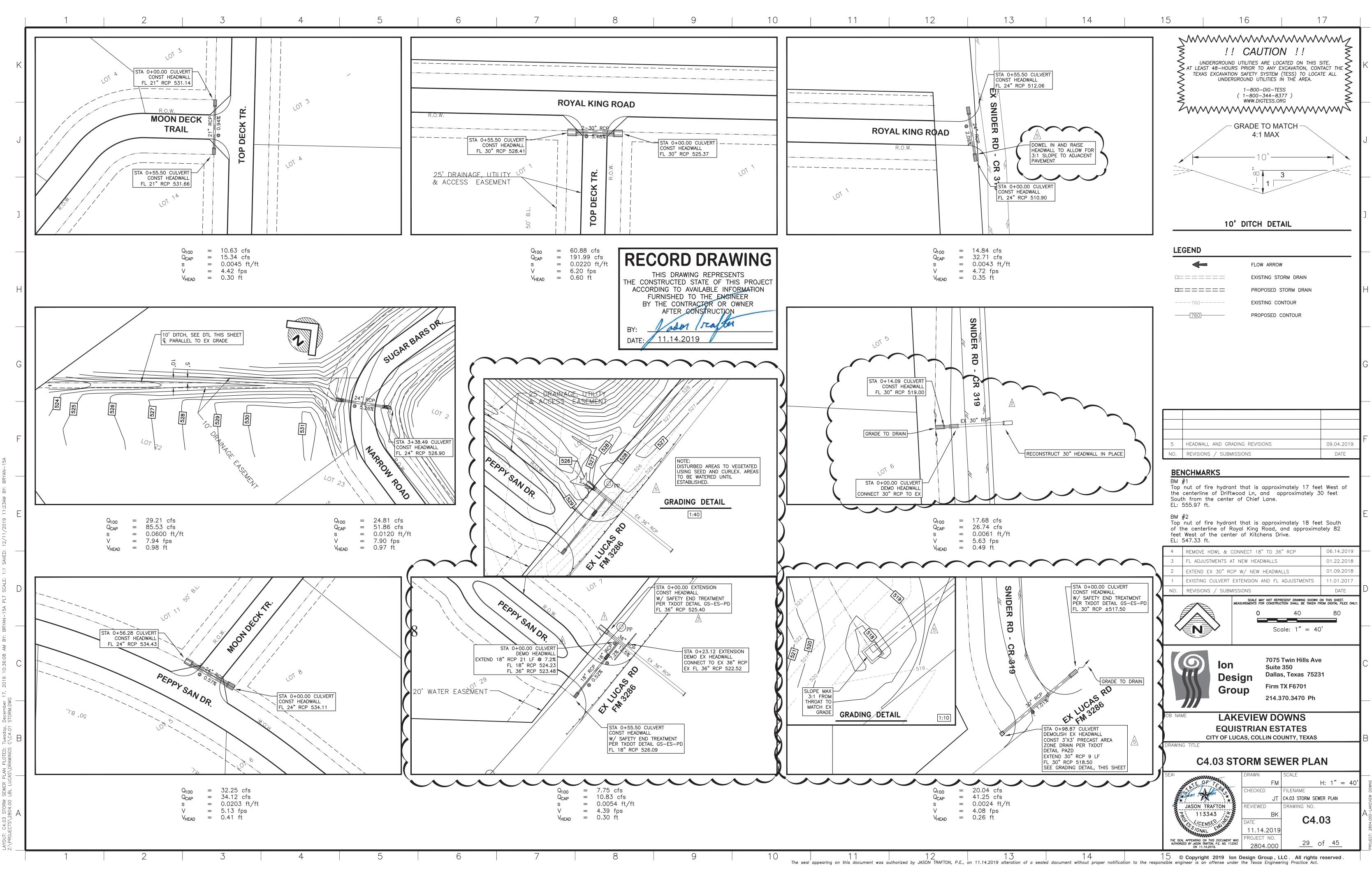
NOTES:

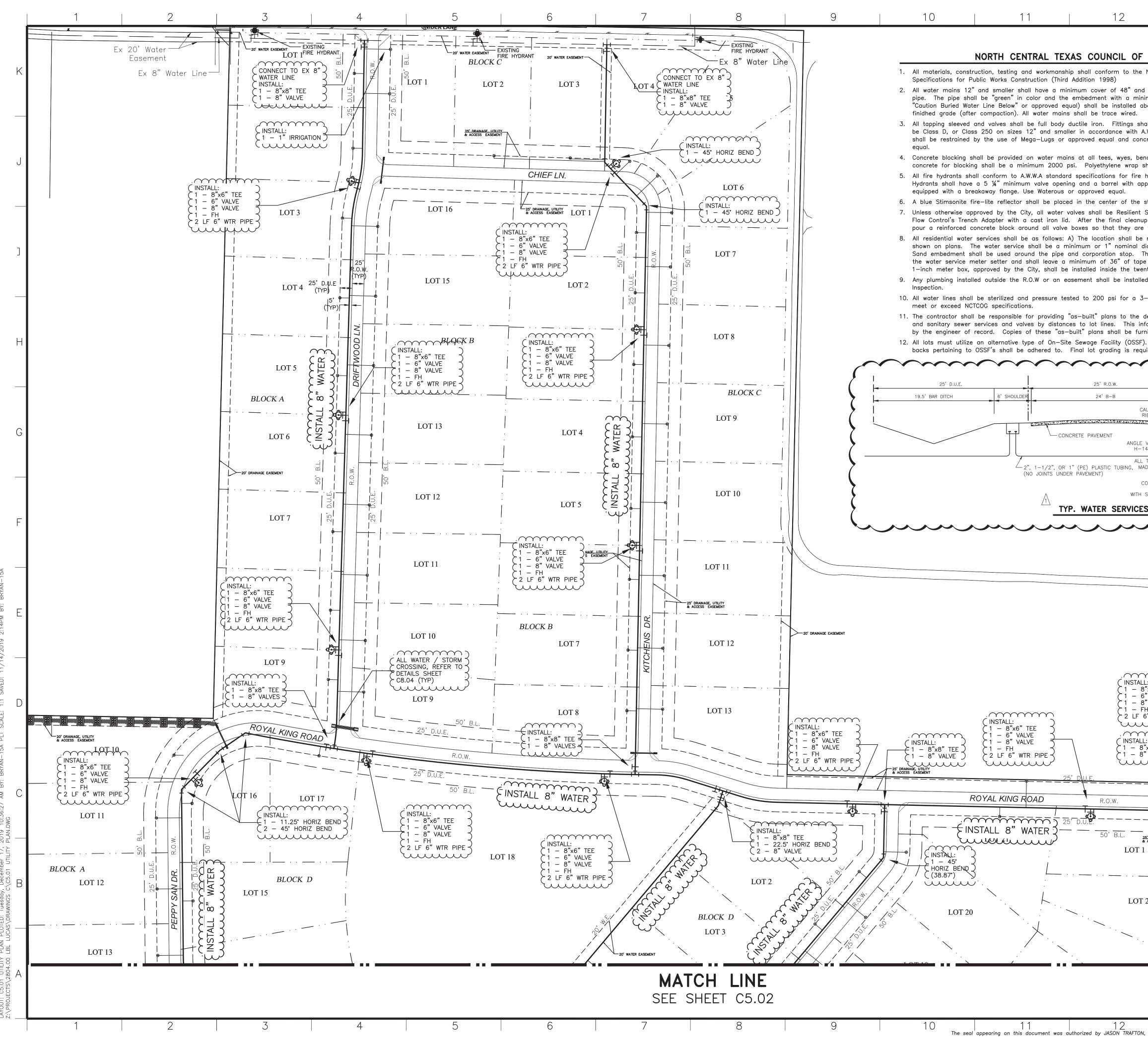
RUN-OFF CO-EFFICIENT FOR EQUESTRIAN CENTER TO BE 0.75.

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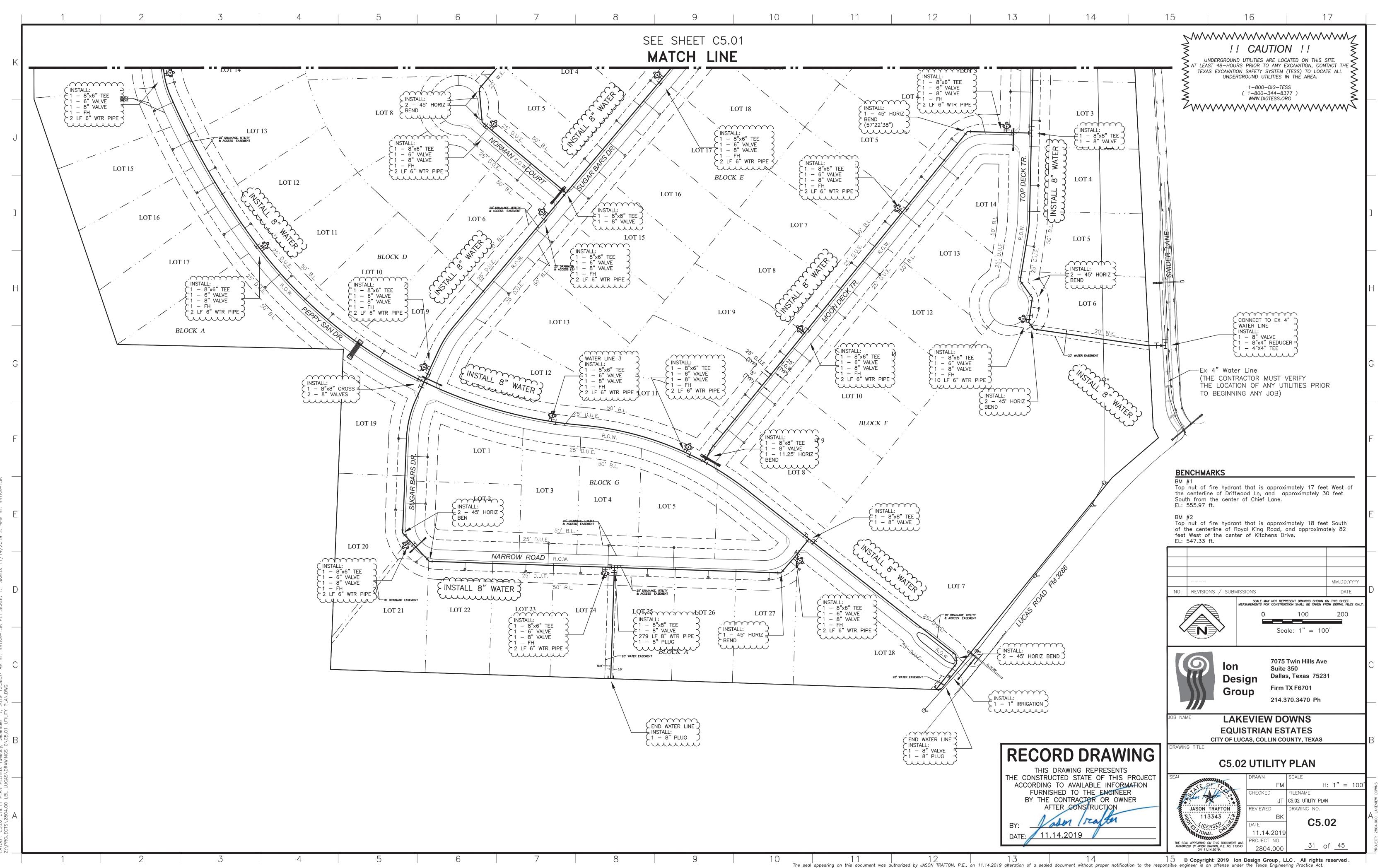
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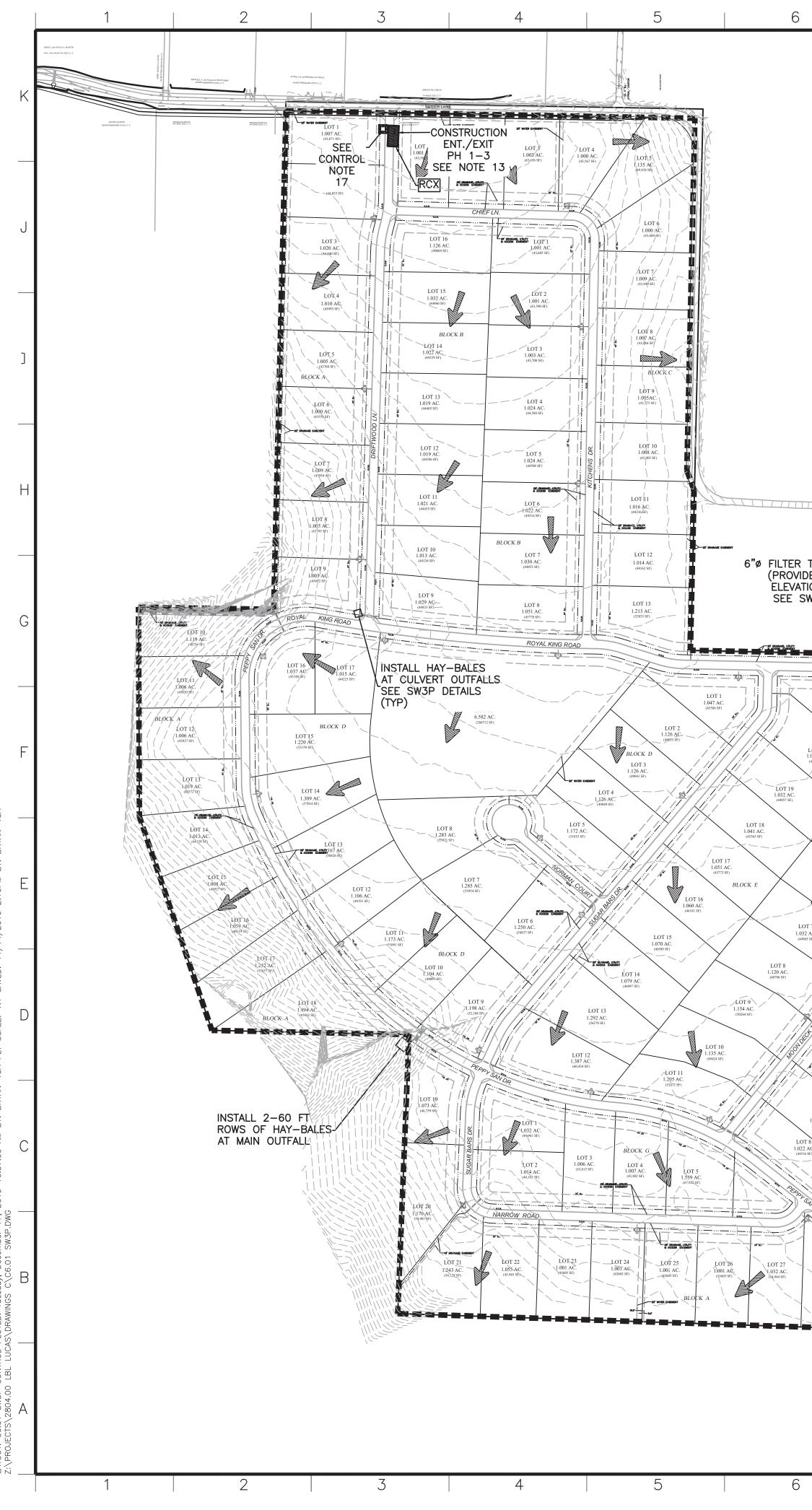






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| OVERNMENTS NOTES th Central Texas Council of Governments Standard | <i>I! CAUTION !!</i> UNDERGROUND UTILITIES ARE LOCATED ON THIS SITE. AT LEAST 48-HOURS PRIOR TO ANY EXCAVATION, CONTACT THE |
| all be PVC A.W.W.A C900 DR—14, Class 200 water m of Class "B+". Detectable metallic tape (Blue — e all water mains to a max depth of 12" below be of the mechanical joint type or slip joint, and shall | TEXAS EXCAVATION SAFETY SYSTEM (TESS) TO LOCATE ALL UNDERGROUND UTILITIES IN THE AREA. 1-800-DIG-TESS (1-800-344-8377) WWW.DIGTESS.ORG |
| V.A Specification C-110-64 and C-11-64. All fittings e thrust blocking. Brass fittings by Ford or approved crosses and fire hydrants per NCTCOG Standards. All | |
| be installed around all ductile iron fittings and valves. rants for ordinary water works service, C—502. Fire kimately 7" inside diameter. All hydrants shall be | |
| et opposite each fire hydrant. t Valves (RSGV) and valve boxes shall be American nd alignment has been completed, the contractor shall sh with the final grade. ar the mid-point of the front lot line unless otherwise eter continuous 200 psi rated polyethylene tubing. contractor shall tie detectable blue metallic tape to kposed after backfill and paving is complete. B) A -five foot waterline easement. y a licensed plumber and inspected by Building | |
| ur continuous period. All testing and sterilization shall gn engineer of recod showing the location of water nation shall be placed and marked on "as-built" plans ed to the City as required. OSSF permit will be required. State-mandated set a prior to installation or operation of OSSF. | |
| 25' D.U.E. 6' SHOULDER 19.5' BAR DITCH MIN 4' 2"X4" GREEN & WHITE STAKE ON IF PAVEMENT IS NOT FINISHED | |
| VE, MUELLER NOT FINISHED VE, MUELLER 1" PE State PLASTIC PS SHALL BE NOT FINISHED AT € ANGLE VE, MATER MAIN PORATION COCKS, PVC MAINS TO HAVE JELLER H-15000 STAINLESS STEEL RAIGHT COUPLING, DOUBLE STRAP OR EQUAL TAPPING SADDLES | RECORD DRAWING THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION |
| (ROCKWELL #317) | BY: DATE: 11.14.2019 BENCHMARKS BM #1 Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet |
| | South from the center of Chief Lane. EL: 555.97 ft. BM #2 Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. EL: 547.33 ft. |
| Ex 4" Water Line (THE CONTRACTOR MUST BE VERIFY THE LOCATION OF ANY UTILITY PRIOR BEGINNING ANY JOB) | Image: 1 METER LOCATION PER CITY OF LUCAS 3/4/2019 NO. REVISIONS / SUBMISSIONS DATE |
| WTR PIPE | Scale May NOT REPRESENT DRAWING SHOWN ON THIS SHEET. MEASUREMENTS FOR CONSTRUCTION SHALL BE TAKEN FROM DIGITAL FILES ONLY. 0 100 200 Scale: 1" = 100' |
| | Ion Design Group7075 Twin Hills Ave Suite 350 Dallas, Texas 75231Firm TX F6701 214.370.3470 Ph |
| $ \begin{array}{c} & & \\ & & & \\ & & \\ & & & \\ & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & $ | JOB NAME LAKEVIEW DOWNS EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS |
| | DRAWING TITLE C5.01 UTILITY PLAN |
| | SEAI DRAWN SCALE FM H: 1" = 100" CHECKED FILENAME JASON TRAFTON T CS.01 UTILITY PLAN REVIEWED DRAWING NO. BK DATE 11.14.2019 DROUFOT NO. |
| 13 14 | THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JASON TRAFTON, P.E. NO. 113343 ON 11.14.2019. PROJECT NO. 2804.000 30 of 45 15 © Copyright 2019 Ion Design Group , LLC . All rights reserved . |





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|--|---|---|-----------|
| | CONTROLS | | |
| | 1. CONTRACTOR SHALL COMPLY WITH THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY STORM WATER MANAGEMENT PROGRAM. | | K |
| | 2. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES, AS INDICATED ON THE PLANS AND AS FIELD CONDITIONS WARRANT, PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY. REPAIRS OR MODIFICATIONS TO THE MEASURES WILL BE MADE BY THE CONTRACTOR IF THE CONTROL MEASURES PROVE INEFFECTIVE OR IF ADDITIONAL CONTROL MEASURES ARE NECESSARY. | r | ` |
| | 3. SOIL STABILIZATION PRACTICES, STRUCTURAL EROSION & SEDIMENT CONTROLS, POLLUTION PREVENTION & SPILL RESPONSE BEST MANAGEMENT PRACTICES, AND SITE INSPECTIONS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE SWPPP SPECIFICATIONS, SHEETS 1 & 2, INCLUDED AS PART OF THIS STORM WATER POLLUTION & PREVENTION PLAN (SWPPP). | | |
| | 4. DAMAGES TO ADJACENT PROPERTY OR TO RECEIVING WATERS CAUSED BY IMPROPERLY INSTALLED OR POORLY MAINTAINED EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. | La | J |
| | 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY OFF-SITE SITUATION CAUSED BY HIS OPERATIONS AND/OR FAILURE OF THE EROSION CONTROL MEASURES. | | |
| | 6. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND SEDIMENT FROM EROSION CONTROL MEASURES WHEN IT REACHES A DEPTH OF SIX (6) INCHES OR IMPAIRS THE EFFECTIVENESS OF THE MEASURES. | | |
| | 7. THE CONTRACTOR SHALL INSPECT THE PROJECT AT A MINIMUM OF EVERY 14 DAYS AND AFTER EVERY RAINFALL OF $\frac{1}{2}$ INCHES OR GREATER TO DETERMINE THE INTEGRITY AND EFFECTIVENESS OF THE EROSION CONTROL MEASURES. THE | | |
| | CONTRACTOR SHALL PREPARE A WRITTEN INSPECTION REPORT TO BE FILED WITH THE PROJECT RECORD DOCUMENTS. 8. ALL STOCKPILED SOILS SHALL BE SURROUNDED BY SILT FENCE, OR EQUIVALENT MEASURE AS APPROVED BY | TOTAL DISTURBED ACREAGE = 36.31 AC |] |
| | ENGINEER, TO PROPERLY CONTROL SEDIMENT RUNOFF. 9. THE CONTRACTOR SHALL AT ALL TIMES TAKE SUCH MEASURES AS NECESSARY TO MINIMIZE OFFSITE TRACKING OR TRANSPORT OF SEDIMENT AND DEBRIS. ANY CONSTRUCTION DEBRIS (MUD, GRAVEL, ORGANICS, ETC.) THAT FALLS ONTO ADJACENT AREAS SHALL BE IMMEDIATELY REMOVED. | SWPPP CONTROLS LEGEND | |
| | 10. TO DEWATER EXCAVATIONS, USE PROTECTED PUMP DISCHARGE AS SHOWN BY DETAIL SHEET. | ENT./EXIT | |
| | 11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED FROM THE SITE UPON COMPLETION OF CONSTRUCTION. | CONCRETE WASH-OUT AREA | Н |
| | 12. INSTALL REINFORCED FILTER FABRIC FENCE AROUND PERIMETER OF WORK AREA. FILTER FABRIC FENCE SHALL REPRESENT THE LIMITS OF DISTURBED AREA. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED. | | |
| ER TUBE CHECK DAM- | 13. INSTALL & MAINTAIN ROCK-STABILIZED CONSTRUCTION EXIT. REMOVE WHEN PAVING THROUGHOUT PROJECT IS IN PLACE AND PROJECT IS COMPLETE. | VEHICLE WASH-OUT AREA | |
| E SW3P DETAILS TYP | 14. INSTALL & MAINTAIN ROCK FILTER OUTLET WHERE SILT FENCE IS SUBJECT TO CONCENTRATED FLOWS. EMBED SILT FENCE INTO ROCK FILTER & ENSURE THERE IS NO GAP BETWEEN FENCE AND FILTER. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED. | SILT FENCE | G |
| | 15. INLET PROTECTION: A. INSTALL & MAINTAIN INLET SEDIMENT TRAPS DURING EARTHWORK, UNTIL EARTHWORK HAS ACHIEVED ROUGH | IPB FILTER FABRIC INLET PROTECTION | 2 |
| | GRADES. B. INSTALL & MAINTAIN INLET PROTECTION AFTER EARTHWORK HAS ACHIEVED ROUGH GRADES, AND AFTER PAVING | | |
| LOT 21 1.03 AC. database Langer 1.124 AC. (4985 sp) CONSTRUCTION | WORK HAS BEEN COMPLETED. REMOVE WHEN FINAL SITE STABILIZATION HAS BEEN COMPLETED. 17. INSTALL & MAINTAIN CONCRETE WASH-OUT AREA NEAR CONSTRUCTION EXITS. DUMP EXCESS CONCRETE AND RINSE | CONSTRUCTION SCHEDULE & PHASING PLAN: PHASE 1 _ GRADING | |
| LOT 2 LOT 2 SEE NOTE 13 SEE NOTE 13 NOTE 13 | CONCRETE MIX TRUCKS AT CONCRETE WASH-OUT AREAS, PRIOR TO MIX TRUCKS EXITING SITE. REMOVE WHEN ALL CONCRETE WORK HAS BEEN COMPLETED. | PHASE 2 UTILITY INSTALLATION PHASE 3 PAVING/BUILDING PHASE 4 SOIL STABILIZATION/LANDSCAPING | F |
| 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10 | 18. INSTALL & MAINTAIN VEHICLE WASH-OUT AREA NEAR CONSTRUCTION EXITS. REMOVE WHEN ALL OTHER PAVING IS COMPLETE. | | |
| AC. SF) LOT 4 .127 AC. .0004 SF) LOT 5 LOT 5 | | BENCHMARKS | |
| LOT 5 1.063 AC. | NOTES | Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet South from the center of Chief Lane. | |
| (45312 SF) LOT 6 LOS 4 AC. | 1. EXISTING TOPOGRAPHIC FEATURES, INCLUDING BUT NOT LIMITED TO CONTOURS, WATER COURSES, STRUCTURES, ROADS, ETC., HAVE BEEN ESTABLISHED BY FIELD SURVEY PERFORMED BY MILLER SURVEYING, INC. | EL: 555.97 ft. BM #2 | E |
| LOT 7 LOT 7 1.032 AC. (4996 SF) LOT 7 LOT 5 | 2. 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. | Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. EL: 547.33 ft. | |
| 1.032 AC. (44945 SF) LOT 13 1.040 AC. (4505 SF) 3 | 3. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF LUCAS ENGINEERING DIVISION. | | |
| LOT 12 1.028 AC. (44800 SF) | 4. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON SITE. | MM.DD.YYYY NO. REVISIONS / SUBMISSIONS | D |
| | 5. 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 | SCALE MAY NOT REPRESENT DRAWING SHOWN ON THIS SHEET. MEASUREMENTS FOR CONSTRUCTION SHALL BE TAKEN FROM DIGITAL FILES ONLY. 0 200 400 | |
| LOT 10 1.028 AC. (44800 SF) BLOCK F | CONSIDERED A PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH THE CITY OF PLANO EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOIR TO FINAL APPROVAL OF THE PROJECT. | Scale: 1" = 200' | |
| LOT 9 1.028 AC. (44800 SF) LOT 8 | | 7075 Twin Hills Ave | \sim |
| 1.022 AC. (44316 SF) | | lon Suite 350 Design Dallas, Texas 75231 | ر |
| All and a second s | | Group Firm TX F6701 214.370.3470 Ph | |
| | | JOB NAME LAKEVIEW DOWNS | |
| SEE CONTROL NOTE 17 | RECORD DRAWING | EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS | В |
| LOT 28 1.853 AC (0,722 SF) CONSTRUCTION ENT./EXIT | THIS DRAWING REPRESENTS | C6.01 SW3P CONTROL | |
| PH 1-3 SEE NOTE 13 | THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER | SEAI TEOF TOUL FM H: 1" = 200' | <u>S</u> |
| RCX | BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION | FM H: 1 = 200 CHECKED FILENAME JT C6.01 SW3P.dwg | VIEW DOWN |
| | BY: Jason Trafter | JASON TRAFTON REVIEWED DRAWING NO. BK C6.01 | |

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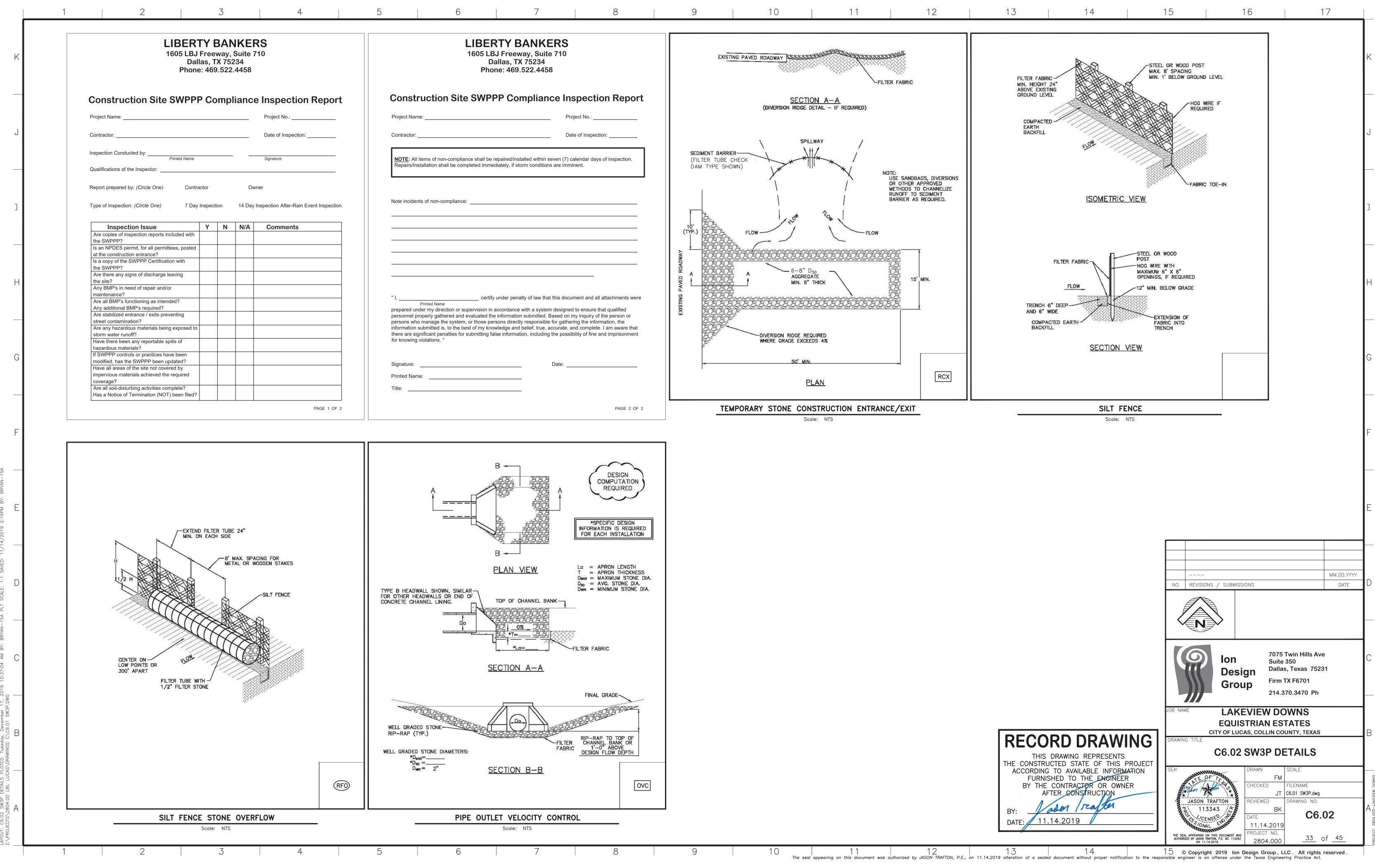
| | Top nut of fire hydrant that is approxime the centerline of Driftwood Ln, and ap South from the center of Chief Lane. |
|---|---|
| AITED TO CONTOURS, WATER COURSES, STRUCTURES, ROADS, AED BY MILLER SURVEYING, INC. | EL: 555.97 ft. BM #2 |
| CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED THE PROJECT. | Top nut of fire hydrant that is approxim of the centerline of Royal King Road, of feet West of the center of Kitchens Dri EL: 547.33 ft. |
| ACCORDANCE WITH THE APPROVED PLANS AND APPROVED BEFORE CONSTRUCTION BY THE DESIGN | |
| ONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE TO BE REVISED AND/OR ADDITIONAL EROSION CONTROL | |
| CONJUNCTION WITH THIS PROJECT, THIS INFORMATION ROL PLAN. OFF—SITE BORROW AND SPOIL AREAS RE SHALL COMPLY WITH THE CITY OF PLANO EROSION ZED WITH PERMANENT GROUND COVER PRIOIR TO FINAL | NO. REVISIONS / SUBMISSIONS |
| | Ion Design Group 214.3 |
| | JOB NAME LAKEVIEW DO EQUISTRIAN EST |
| RECORD DRAWING | CITY OF LUCAS, COLLIN COL |
| THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT | C6.01 SW3P CO |
| ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION | SEAI DRAWN |
| BY: Jason reafter | JASON TRAFTON REVIEWED BK |
| DATE: 11.14.2019 | DATE 11.14.2019 |
| | THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JASON TRAFTON, P.E. NO. 113343 ON 11.14.2019. PROJECT NO. 2804.000 |

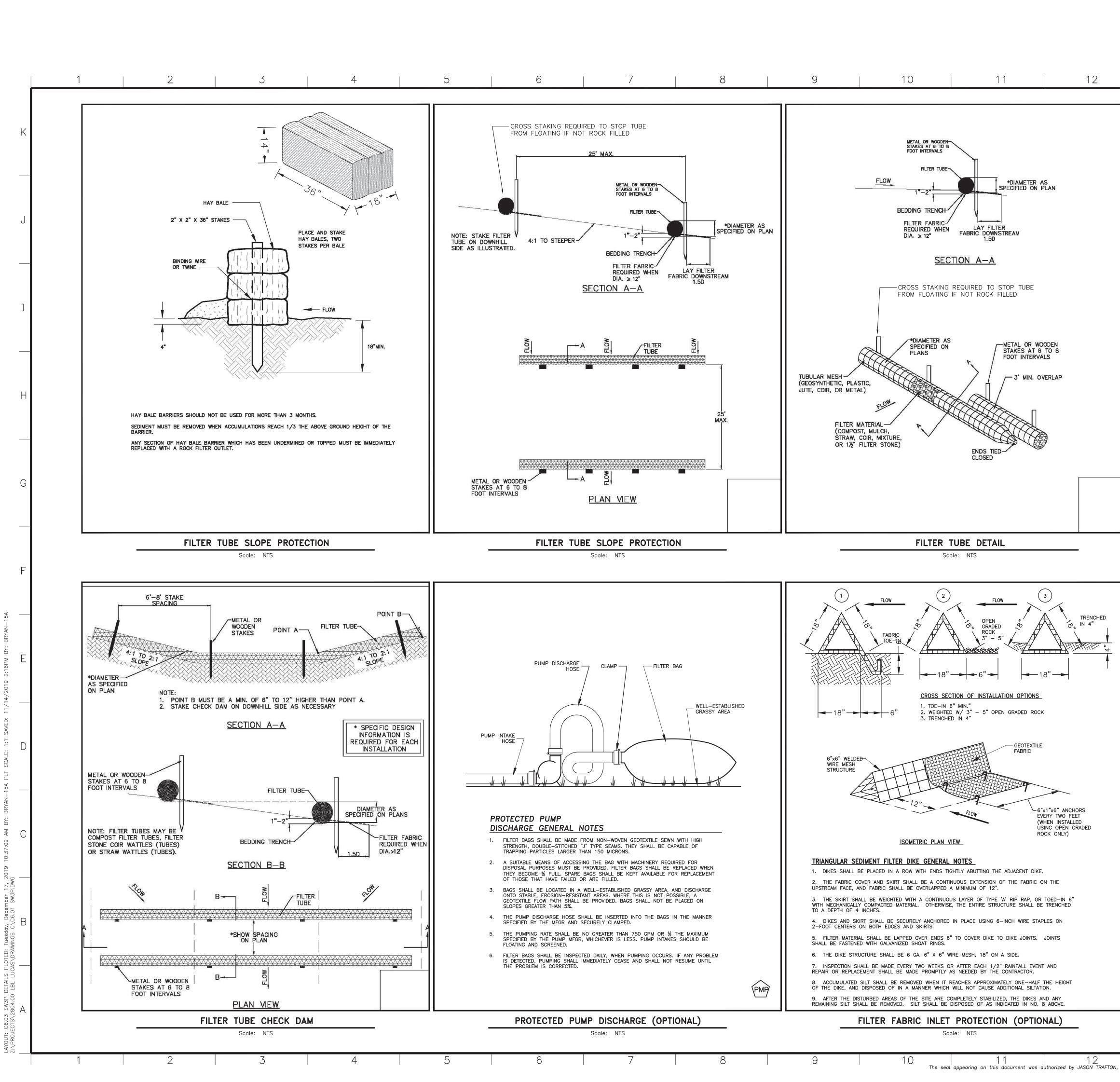
C6.01

<u>32</u> of <u>45</u>

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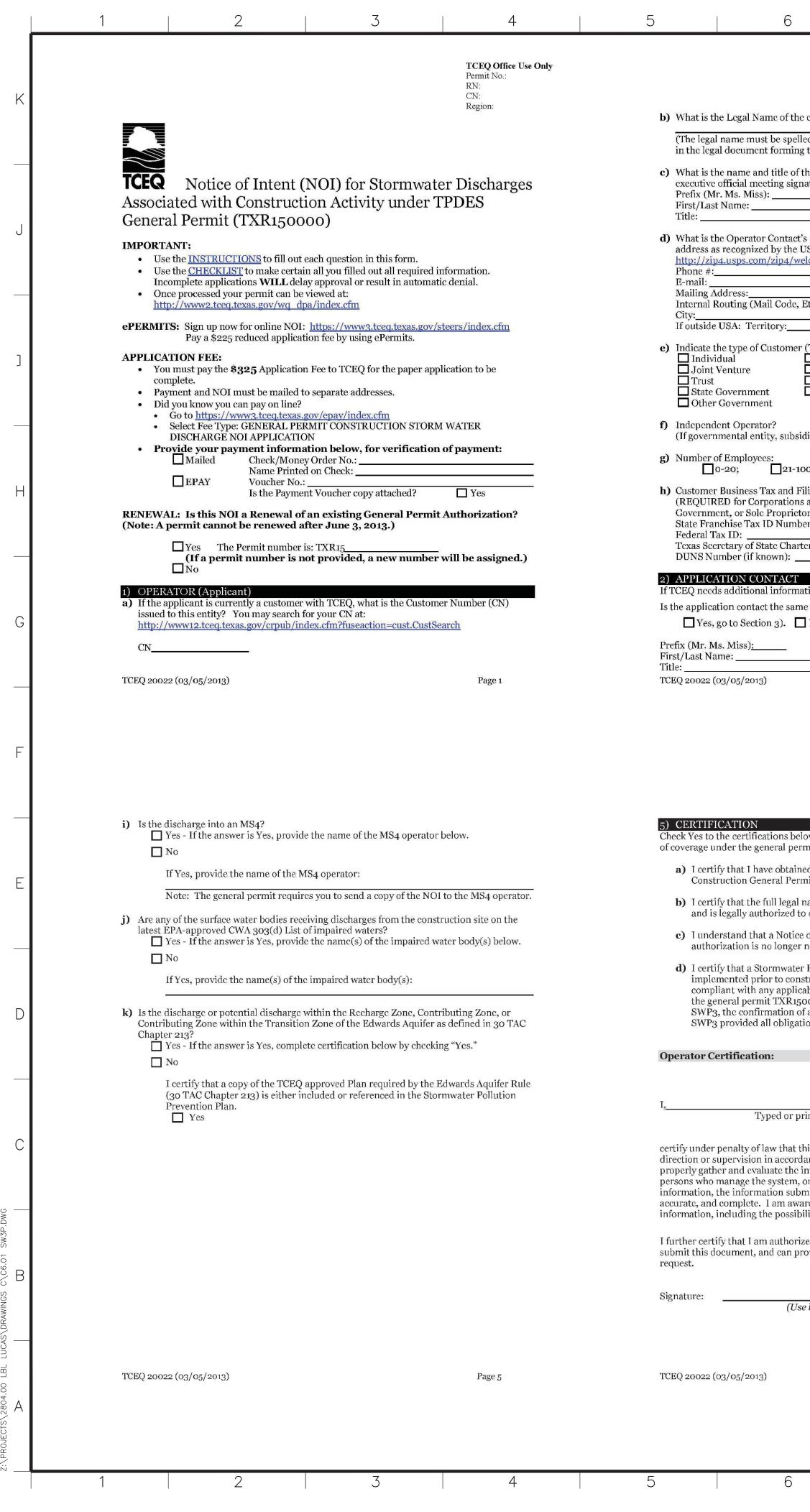
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| | | | | Ion Design Group | 7075 Twin Hills Suite 350 Dallas, Texas 7 Firm TX F6701 214.370.3470 P | 5231 | С |
| | | RD DRAWING REPRESENTS | JOB NAME DRAWING TITLE | EQUISTRI CITY OF LUCAS, C | EW DOWNS AN ESTATES COLLIN COUNTY, TEX | AS | B |
| | THE CONSTRUC ACCORDING FURNISH BY THE C AFT | TED STATE OF THIS PROJECT TO AVAILABLE INFORMATION HED TO THE ENGINEER CONTRACTOR OR OWNER ER CONSTRUCTION | SEAI | OF 7 CHEC | FM CKED FILENAME JT C6.01 SW3P.d | wg | EVIEW DOWNS |
| | BY: DATE:11.1 | 4.2019 | | AL PROLIMENT WAS PROV | .14.2019 JECT NO. | o. 6.03 _ of <u>45</u> | PROJECT: 2804.000-LAKEVIEW DOWNS |

| ITE DESCRIPTION | | | |
|--|--|--|--|
| ECT NAME: PRAIRIE COMMONS WEST | STORM WATER MANAGEMENT | OPERATIONAL CONTROL | |
| JECT LOCALE & LIMITS : | - EXISTING STORM WATER MANAGEMENT CONTROLS THROUGHOUT THE DEVELOPMENT CONSIST OF DITCHES AND CULVERTS. | OPERATOR 1 | CERTIFICATION BY OWNER |
| ITUDE: 96' 32' 14.4" W LATITUDE: 33' 05' 55.4" N | - THE SITE IS A VACANT LOT, AND RUNOFF IS ALLOWED TO FLOW OVERLAND ACROSS THE LOTS TO STORM CULVERTS. | | (OPERATOR 1) |
| PROJECT IS LOCATED ON SNIDER LN NORTH OF E LUCAS RD. | - THE PROJECT SITES ARE RELATIVELY SMALL AND THE PLANNED IMPROVEMENTS CONSIST OF CONCRETE PAVEMENTS WITH CURB | PROJECT PLANS AND SPECIFICATIONS - COMPANY: | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED |
| TS: THE TOTAL PROPERTY IS APPROXIMATELY 148.8 ACRES. THE PROPERTY IS BOUNDED ON THE NORTH BY SNIDER | AND GUTTERS. THESE IMPROVEMENTS ARE THE PRIMARY STORM WATER MANAGEMENT CONTROLS THAT WILL BE ADDED BY THE PROJECT. STORM WATER FROM THE PROJECT AREAS WILL FLOW, MUCH AS IT DOES PRIOR TO CONSTRUCTION, TO THE | - ADDRESS: | UNDER MY DIRECTION OR SUPERVISION IN ACCORDANC |
| BY CORPS OF ENGINEER PROPERTY ON THE WEST, BY SNIDER LN ON THE EAST, AND BY E LUCAS RD TO THE | EXISTING STORM SEWERS. | – CITY/STATE/ZIP: | WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE |
| TH IN THE CITY OF LUCAS ETJ, COLLIN COUNTY, TEXAS. | EROSION AND SEDIMENT CONTROLS | | INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. |
| L TYPE/DESCRIPTION | SOIL STABILIZATION PRACTICES TEMPORARY SOIL STABILIZATION | AREAS AND ACTIVITIES FOR WHICH OPERATOR IS RESPONSIBLE: | OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR |
| | X TEMPORARY SEEDING | - PROJECT PLANS AND SPECIFICATIONS, AS USED HEREIN IN THIS SWPPP, REFERS TO WRITTEN SPECIFICATIONS, CONSTRUCTION DRAWINGS, SHOP DRAWINGS, CONSTRUCTION SUBMITTALS, AND CONSTRUCTION CHANGE ORDERS THAT SET FORTH THE | GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS. TO THE BEST OF MY KNOWLEDGE AND |
| EXISTING SOIL TYPE: HOUSTON BLACK CLAY, ALTOGA SILTY CLAY, HEIDEN CLAY SOURCE: USDA NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY, AUGUST 01, 2017. | X MULCHING | MATERIALS, METHODS, PRACTICES, DEVICES, IMPLEMENTATION SCHEDULES, AND INSPECTIONS THAT CONSTITUTE AND EMPOWER THIS STORM WATER POLLUTION PREVENTION PLAN:PROJECT PLANS AND SPECIFICATIONS, AS USED HEREIN IN THIS SWPPP, DOES | BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWAR |
| CONDITION OF EXISTING SOIL AND VEGETATION COVER AND PERCENT OF EXISTING VEGETATIVE COVER: | EROSION CONTROL BLANKETS X TREE PROTECTION | NOT REFER TO ENGINEERING DESIGNS AND DRAWINGS (E.G. PAVING, GRADING, DRAINAGE, STORM SEWERS, SANITARY SEWERS, | THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE |
| | X VEGETATIVE BUFFER STRIP STREAM BANK STABILIZATION | WATER DISTRIBUTION, ETC.) | POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. |
| SITE IS UNDEVELOPED WITH GRASS, SOME TREES, SMALL BRUSH, AND EXPLOSED SOIL. | STREAM BANK STABILIZATION | - THE OPERATOR SHALL HAVE OPERATIONAL CONTROL OVER, AND AUTHORIZATION TO CHANGE, THE PROJECT PLANS AND | VIOLATIONS. |
| OFF WATER QUALITY DATA: | DUST CONTROL | SPECIFICATIONS FOR THE ENTIRE PROJECT. | |
| NO DATA IS AVAILABLE FOR EXISTING RUNOFF WATER QUALITY | X WATERING DIRT CONSTRUCTION ROADS GRAVEL-LINED CONSTRUCTION ROADS | - THE OPERATOR SHALL AMEND THIS SWPPP AS NECESSARY BASED ON FIELD OBSERVATIONS MADE DURING SWPPP INSPECTIONS | NAME OF OWNER [PRINT] DATE |
| OF RECEIVING WATERS: | X WATERING SOIL STOCKPILES | OR BASED ON AUTHORIZED CHANGE ORDERS TO THE CONSTRUCTION CONTRACT. WITHIN 48-HOURS OF SO AMENDING THIS SWPPP, THE OPERATOR SHALL NOTIFY ALL OTHER SIGNATORY OPERATORS HAVING DAY TO DAY CONTROL OVER CONSTRUCTION | |
| RECEIVING WATERS: LAKE LAVON | X MULCHING SOIL STOCKPILES GEOTEXTILE COVERS ON SOIL STOCKPILES | ACTIVITIES AND CORRESPONDING SWPPP METHODS AND CONTROLS, INCLUDING AN AMENDED COPY OF THIS SWPPP. | OWNER'S AUTHORIZED REPRESENTATIVE [SIGNATURE] |
| OF POTENTIAL POLLUTANTS AND THEIR SOURCES: | X COVERED TRUCKS | - I CERTIFY THIS INFORMATION TO BE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND I AM AUTHORIZED TO SIGN AS A | |
| SILT/GRADING | DEDNANENT COTI CTADII 17 ΑΠΙΛΝΙ | COMPANY REPRESENTATIVE IN ACCORDANCE WITH TAC 305.128 | NAME OF AUTHORIZED REPRESENTATIVE [PRINT] |
| PETROLEUM/CONSTRUCTION EQUIPMENT LIME/SOIL STABILIZATION | PERMANENT SOIL STABILIZATION | × | |
| | X PRESERVATION OF NATURAL VEGETATION TURF REINFORCEMENT MATS | NAME & TITLE (PRINT) NAME (SIGNATURE) COMPANY TPDES PERMIT # PHONE # DATE | TITLE OF AUTHORIZED REPRESENTATIVE [PRINT] |
| DJECT INFORMATION | – X LANDSCAPE SEEDING | | |
| VIEW DOWNS PROJECT WILL BE 116 SINGE-FAMILY LOTS CONSTRUCTED AS DEVELOPMENT IN THE CITY OF LUCAS | – X LANDSCAPE SOD – X LANDSCAPE PLANTING | OPERATOR 2 | |
| TEXAS. CONCRETE PUBLIC STREETS WILL CONNECT SNIDER LN TO E LUCAS ROAD. PUBLIC WATER AND STORM | – STREAM BANK STABILIZATION | DAY TO DAY OPERATIONS | |
| EMS WILL BE CONSTRUCTED TO SERVE THE NEIGHBORHOOD. CONSTRUCTION WILL INCLUDE EARTHMOVING ACTIVITIES | X CONCRETE PAVEMENTS ASPHALT PAVEMENTS | - COMPANY: | |
| RESHAPE THE RIGHT-OF-WAYS AND PUBLIC EASEMENTS TO FINISHED GRADES, AND TRENCHWORK TO INSTALL | - GRAVEL SURFACES | - ADDRESS: - CITY/STATE/ZIP: | CERTIFICATION BY CONTRACTO |
| RGROUND UTILITIES. THE PROPOSED PROJECT WILL NOT ALTER THE OVERALL DRAINAGE PATTERNS, BUT WILL | DESCRIPTION | – CITY/STATE/ZIP: | (OPERATOR 2) |
| LVE EXCAVATION OF SELECTED PORTIONS OF THE SITE TO RESHAPE THE CONTOURS TO BE COMPATIBLE WITH ESITES. | - WHEN CONSTRUCTION ACTIVITIES ON DISTURBED AREAS OF SOIL STOCKPILES ARE TEMPORARY PAUSED OR AREA PERMANENTLY | AREAS AND ACTIVITIES FOR WHICH OPERATOR IS RESPONSIBLE: | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED |
| | ENDED, REVEGETATE AND/OR MULCH THOSE AREAS AS SOON AS PRACTICABLE BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS. | - ALL EARTH MOVING ACTIVITIES, INCLUDING EXCAVATION, TRENCH WORK, ROUGH GRADING AND FINISH GRADING | UNDER MY DIRECTION OR SUPERVISION IN ACCORDANC |
| TION & DESCRIPTION OF ASPHALT OR CONCRETE PLANTS: NONE PROPOSED FOR THIS PROJECT | - MULCHING SHALL BE USED TO TEMPORARILY STABILIZE DISTURBED AREAS AND SOIL STOCKPILES UNTIL VEGETATION CAN BE | | WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE |
| ECT SCHEDULE: | - MULCHING SHALL BE USED TO TEMPORARILY STABILIZE DISTURBED AREAS AND SOIL STOCKPILES UNTIL VEGETATION CAN BE ACHIEVED. | - ALL PAVING ACTIVITIES, INCLUDING CONCRETE STREETS AND CONCRETE CURB AND GUTTERS | INFORMATION SUBMITTED. BASED ON MY INQUIRY OF |
| | - WHEN FILL ACTIVITIES ARE COMPLETED, THE COMPLETED AREA SHALL BE STABILIZED WITH PERMANENT SEEDING USING A HARDY, | - ALL STORM DRAIN CONSTRUCTION, INCLUDING GRATE INLETS, AREA INLETS, SUBSURFACE PIPING, JUNCTION BOXES AND | THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR |
| STIMATED PROJECT START: AUGUST 14, 2017 STIMATED PROJECT DURATION: 120 DAYS | NATIVE GRASS SPECIES COMPATIBLE WITH THE FILL SOIL NUTRIENT AND CHEMICAL QUALITIES. SEEDING METHODS MAY VARY | MANHOLES AND OUTLET PROTECTION | GATHERING THE INFORMATION, THE INFORMATION |
| MAIND COTT DISTLIDDING ACTIVITIES. | FROM HYDRO SEEDING TO BROADCAST SEEDING TO DRILLS. SOD MAY BE BERMUDA OR ST. AUGUSTINE VARIETIES. | - ALL UTILITY CONSTRUCTION, INCLUDING SANITARY SEWERS AND WATER CONSTRUCTION. OPERATOR SHALL HAVE SWPPP | SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWAR |
| MAJOR SOIL DISTURBING ACTIVITIES: | - ALTERNATIVELY, OR AS A SUPPLEMENT, LANDSCAPE SOD MAY BE PLACED TO STABILIZE THE FINISHED GRADES WITH PERMANENT VEGETATION. | RESPONSIBILITY OVER FRANCHISE UTILITY CONSTRUCTION. | THAT THERE ARE SIGNIFICANT PENALTIES FOR |
| HMOVING SHALL COMPRISE THE FOLLOWING ACTIVITIES, LISTED IN APPROPRIATE ORDER OF SEQUENCE; HOWEVER, SOME | | - ALL LANDSCAPE SEEDING AND PLANTING ACTIVITIES | SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING |
| ITIES — E.G. TRENCH WORK, EXCAVATION AND FINISH GRADING — MAY BE ACCOMPLISHED CONCURRENTLY OR IN AN MITTENT, OVERLAPPING MANNER: | - PRESERVATION OF NATURAL VEGETATION WILL BE ACHIEVED BY LIMITING FILL ACTIVITIES TO OUTSIDE THE FLOODPLAIN THAT LIES ACROSS EACH VACANT LOT. THESE AREAS CONTAIN HARDY STANDS OF GRASS AND WEED COVER, PRESERVING THIS NATURAL | - ALL SWPPP INSTALLATION, MAINTENANCE AND INSPECTION ACTIVITIES | VIOLATIONS. |
| | VEGETATION THAT WILL PROVIDE VEGETATIVE FILTERS BETWEEN THE CONSTRUCTION AND FILL ACTIVITIES AND THE RECEIVING | | |
| SAW-CUT EXISTING PAVEMENT. | WATERS. FINAL STABILIZATION MUST BE ACHIEVED PRIOR TO TERMINATION OF PERMIT COVERAGE. | - I CERTIFY THIS INFORMATION TO BE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND I AM AUTHORIZED TO SIGN AS A COMPANY REPRESENTATIVE IN ACCORDANCE WITH TAC 305.128 | |
| CLEAR AND GRUB GRASS AND OTHER VEGETATION WHERE GRADING WILL OCCUR | STRUCTURAL PRACTICES | x ⁻ | NAME OF OWNER [PRINT] DATE |
| PRESERVE NATIVE TOP SOIL AT THE SITE UNLESS INFEASIBLE. | EROSION AND SEDIMENT CONTROLS: | A NAME & TITLE (PRINT) NAME (SIGNATURE) | |
| PLACE FILL IN LIFTS, AND COMPACT IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATION. BEGIN AT ONE END OF THE | | | CONTRACTOR'S AUTHORIZED REPRESENTATIVE [SIGNATURE] |
| SITE, AND WORK TOWARD THE OTHER, BRINGING FILL UP IN ROUGHLY UNIFORM, LEVEL LIFTS. SCARIFY TEMPORARY WORKING | X SILT FENCES X HAY BALES | COMPANY TPDES PERMIT # PHONE # DATE | NAME OF AUTHORIZED REPRESENTATIVE [PRINT] |
| ACES THAT MAY BE FORMED BY THE PLACEMENT OF SEVERAL LIFTS IN ONE AREA BEFORE THE PLACEMENT OF FILL DIRECTLY ADJACENT TO THAT AREA. | X ROCK FILTER OUTLETS/CHECK DAMS | | NAME OF AUTOVIZED REFRESENTATIVE [PKINI] |
| GRADE SUB GRADES TO PROPER GRADES. PLACE BASE MATERIALS ON FINISHED SUB GRADES IN ACCORDANCE WITH THE | X ROCK BEDDING AT CONSTRUCTION EXIT | | |
| CONSTRUCTION SPECIFICATIONS. | TIMBER MATTING AT CONSTRUCTION EXIT TRUCK WASH STATION | | TITLE OF AUTHORIZED REPRESENTATIVE [PRINT] |
| INISH GRADE THE SITE WHERE NO IMPERVIOUS SURFACE TREATMENT HAS BEEN CONSTRUCTED, REMOVING UNEVEN SURFACES | X CONCRETE WASH OUT STATION (ON-SITE) | CERTIFICATION BY OWNER | |
| AND FINISHING GRADE BREAKS WITH SMOOTH, EVEN TRANSITIONS. | DIVERSION DIKES | (OPERATOR 1) | |
| TERIAL STORAGE | DIVERSION SWALES INTERCEPTOR DIKES | | |
| | INTERCEPTOR DIRES | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND | |
| TOTAL ACREAGE OF THE ENTIRE PROPERTY: 148.812 ACRES | | EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY | |
| TOTAL ACREAGE WHERE CONSTRUCTION WILL OCCUR: 34.2 ACRES DISTURBED | X VELOCITY CONTROL DEVICES TERRACED SLOPES | KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | |
| NOTE: ALL MATERIALS WILL BE STORED ON-SITE | PIPE SLOPE DRAINS | These in chimation, indeoding the cossidient of the And Internisonmient for Knowing Violations. | |
| | GENERAL SEDIMENT TRAPS STORM INLET SEDIMENT TRAPS | XOWNER NAME (PRINT) OWNER REPRESENTATIVE (PRINT) | |
| GHTED RUNOFF COEFFICIENTS: | | SWILL NAME (FRINT) OWNER REFRESENTATIVE (FRINT) | NO. REVISIONS / SUBMISSIONS |
| | SEDIMENT BASINS | XOWNER_REPRESENTATIVE_(SIGN)OWNER_REPRESENTATIVE_TITLEDATE | |
| PRE-DEVELOPMENT: C=0.30 | GRATE INLET PROTECTION AREA INLET PROTECTION | OWNER REPRESENTATIVE (SIGN) OWNER REPRESENTATIVE TITLE DATE | |
| POST-DEVELOPMENT: C=0.45 | PUMP DISCHARGE CONTROLS | | |
| | SAND BAG BERM | | |
| PLAN FOR CONSTRUCTION OF SWPPP ACTIVITIES | STORM WATER MANAGEMENT CONTROLS: | CERTIFICATION BY CONTRACTOR | |
| | - X GRASS LINED CHANNELS | (OPERATOR 2) | |
| HMOVING ACTIVITIES AND INSTALLATION OF SWPPP CONTROLS WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING RAL CONSTRUCTION SEQUENCE: | TRM LINED CHANNELS CONCRETE LINED CHANNELS | L CERTIEY LINDER DENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WEDE DEPARTS LINDER AND DESCRIPTION OF | 7075 Twin Hills A |
| | CONCRETE LINED CHANNELS CURB AND GUTTERS | I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND | ION Suite 350 |
| NSTALL PERIMETER SILT FENCE AS SHOWN ON THE CONTROL PLAN AND DETAIL DRAWINGS AND AS SPECIFIED IN THE SWPPP. MAINTAIN IN PROPER WORKING ORDER, UNTIL FINAL SITE STABILIZATION HAS BEEN ACHIEVED. | - AREA INLETS | EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY | Design Dallas, Texas 75 |
| WHERE NECESSARY TO REMOVE EXISTING VEGETATION WITHIN THE PROPOSED PROJECT AREA, CLEAR AND GRUB THE SITE. | – GRATE INLETS – X SUBSURFACE PIPING | KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. | Group Firm TX F6701 |
| THENE NEVESSANT TO REMOVE EXISTING VEGETATION WITHIN THE PROPOSED PROJECT AREA, CLEAR AND GRUB THE SITE. | DETENTION POND (S) | These intermention, indecourte the toosidilate of the And initial and initial ton knowing violations. | Group 214.370.3470 Ph |
| PLACE FILL IN LIFTS AND COMPACT IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS. | - DETENTION CHAMBERS | XOWNER NAME (PRINT) OWNER REPRESENTATIVE (PRINT) | |
| WHEN FILL ACTIVITIES ARE COMPLETE, STABILIZE THE EXPOSED AREA WITH PERMANENT VEGETATION USING LANDSCAPE SEEDING | X ROCK RIPRAP OUTLET PROTECTION GABION RIPRAP OUTLET PROTECTION | | JOB NAME LAKEVIEW DOWNS |
| DR SOD. | - X CONCRETE RIPRAP OUTLET PROTECTION | XOWNER REPRESENTATIVE (SIGN) OWNER REPRESENTATIVE TITLE DATE | EQUISTRIAN ESTATES |
| RENCH, INSTALL & BACKFILL STORM DRAINS, INLETS, JUNCTION BOXES & OTHER DRAINAGE STRUCTURES. | | OWNER REPRESENTATIVE (SIGN) OWNER REPRESENTATIVE TITLE DATE | EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS |
| TRENCH INSTALL & BACKELL OTHER LINDERGROUND LITUITIES | DESCRIPTION: | | INC DRAWING TITLE |
| RENCH, INSTALL & BACKFILL OTHER UNDERGROUND UTILITIES. | - AS WELL AS PROTECTING THE SITE PERIMETER AS SHOWN ON THE PLANS, SILT FENCE SHALL ALSO BE INSTALLED AROUND THE PERIMETER TOE OF ALL SOIL STOCKPILES. | BEST MANAGEMENT PRACTICES RECORD DRAW | |
| INISH-GRADE SUBGRADES FOR BUILDING PADS, PAVEMENTS AND OTHER STRUCTURES. | | THIS DRAWING REPRESENT | |
| INISH-GRADE OPEN SPACES READY FOR SEEDBED PREPARATION OR OTHER SPECIFIED LANDSCAPING. | - STORM INLET SEDIMENT TRAPS SHALL BE INSTALLED IF APPLICABLE AT ALL FUTURE AREA DRAINS AND CURB INLETS. STORM WATER SHALL BE PUMPED FROM TRAPS UNTIL OUTLETS CAN BE ACTIVATED. OUTLETS FOR TRAPS SHALL NOT BE ACTIVATED | SEDIMENT: THE CONSTRUCTED STATE OF THIS | PROJECT |
| | UNTIL STORM DRAIN PIPES, AND OUTLET PROTECTION, HAVE BEEN INSTALLED. | - SEDIMENT POLLUTION OCCURS WHEN SOILS EXPOSED BY EARTHMOVING ACTIVITIES ARE ERODED BY STORM WATER RUNOFF OF FURNISHED TO THE ENGINE | |
| WHEN FINAL SITE STABILIZATION IS COMPLETE, I.E. WHEN VEGETATION HAS ACHIEVED 70% COVER, REMOVE ALL TEMPORARY SWPPP CONTROLS. | – INLET PROTECTION SHALL BE INSTALLED IF APPLICABLE AT ALL EXISTING AREA DRAINS AND CURB INLETS THAT RECEIVE STORM | BY ARTIFICIAL WATERING SUCH AS IRRIGATION OR DUST CONTROL. SEDIMENT LADEN RUNOFF THEN FLOWS OFF-SITE, ENTERING BY THE CONTRACTOR OR OW | |
| | WATER RUNOFF FROM THE PROJECT. INLET PROTECTION SHALL BE INSTALLED AT ALL FUTURE AREA DRAINS AND CURB INLETS | STORM DRAINS, CREEKS, LAKES AND RIVERS WHERE IT ACCUMULATES ON RIVER BEDS AND LAKE BEDS AND CONTRIBUTES TO AFTER CONSTRUCTION | JT C6.01 SW3P.dwg |
| | AFTER INLETS ARE INSTALLED AND/OR CURB & GUTTERS ARE IN PLACE. INLET PROTECTION MUST BE INSTALLED AND MAINTAINED AT ALL TIMES | 1 Am bratter | JASON TRAFTON REVIEWED DRAWING NO. |
| | | BY: BY: | BK BK C6 |
| | | DATE: 11.14.2019 | |
| I | | DATL, // 111112010 | 11.14.2019 |

| | 1 2 3 4 5 | 6 |
|---|--|---|
| | CONSTRUCTION DEBRIS: | |
| К | - CONSTRUCTION (AND DEMOLITION) DEBRIS IS COMPOSED OF DIMENSIONAL LUMBER, WOOD PALLETS AND OTHER MISCELLANEOUS WOOD WASTE, CONCRETE, BRICK AND MORTAR, MISCELLANEOUS METALS SUCH AS STUDS AND SHEETING, NAILS AND OTHER | LIME STABILI |
| | FASTENERS, INSULATION, SHINGLES, ROOFING MATERIALS, METAL AND PLASTIC PIPE, ELECTRICAL CONDUIT AND CONDUCTORS, GYPSUM WALLBOARD, SHEATHING, ETC. – GARBAGE PRODUCED AT A CONSTRUCTION SITE TYPICALLY INCLUDES PAPER AND CARDBOARD PACKAGING, CONTAINERS AND WRAPPERS, PLASTIC PACKAGING, BOTTLES AND CONTAINERS, STYROFOAM CUPS AND PACKING, FOOD AND BEVERAGE | – NO TRAFFIC OT COMPACTION O |
| _ | CONCRETE: | – AREAS ADJACE VELOCITY. EA FENCE BECAUS |
| | - CONCRETE IS A COMMON MATERIAL FOUND AT CONSTRUCTION SITES, CONCRETE PAVEMENTS INCLUDE ROADS, DRIVEWAYS, | - FOR LARGER A SEDIMENT BASI |
| J | PARKING LOTS, PLAZAS AND SIDEWALKS. STRUCTURAL CONCRETE IS USED IN BUILDINGS, RETAINING WALLS AND FOUNDATIONS. CONCRETE IS ALSO USED OCCASIONALLY IN UTILITY WORK FOR PIPE EMBEDMENTS, PIPE ENCASEMENTS, UTILITY VAULTS AND PIPE SUPPORTS. CONCRETE CONTAINS CHEMICAL ADDITIVES, PORTLAND CEMENT, AND FINE AGGREGATE THAT ADVERSELY AFFECT WATER QUALITY AND AQUATIC LIFE. | - PROVIDE CONT |
| | – POLLUTION FROM CONCRETE CAN OCCUR WHEN EXCESS FRESH, WET CONCRETE IS EXPOSED TO STORM WATER THAT TRANSPORTS THE CONCRETE POLLUTION TO RECEIVING WATERS. EXCESS FRESH CONCRETE CAN BE EXPOSED TO STORM | FUEL AND O |
| | WATER WHEN THE EXCESS IS EXPELLED FROM THE TRUCK AND ALSO DURING TRUCK AND EQUIPMENT WASHING. – ANOTHER FORM OF CONCRETE POLLUTION IS SAWCUT SLURRY. SAWCUT SLURRY IS PRODUCED DURING SAWCUTTING OPERATIONS THAT ARE USED TO CUT SHALLOW, NARROW JOINTS IN FRESH, PLASTIC CONCRETE PAVEMENTS AND TO MAKE FULL | – WHEN ON SITE TRUCK AND RE |
| | DEPTH SLAB CUTS TO REMOVE PORTIONS OF EXISTING CONCRETE PAVEMENTS. WATER IS USED DURING THE SAWCUTTING OPERATIONS TO CONTROL BLADE TEMPERATURE AND TO FLUSH THE DETRITUS FROM THE SAWED GROOVE, RESULTING IN THE PRODUCTION OF SAWCUT SLURRY. | – WHEN TANKER REFUELING ARE |
| _ | BEST MANAGEMENT PRACTICES | - PERFORM MAIN |
| _ | LIME STABILIZATION | CONSTRUCTIO |
| | - LIME STABILIZATION IS A COMMON METHOD OF TREATMENT FOR PAVEMENT SUBGRADES. HYDRATED LIME IS APPLIED TO THE | CONTAMINATION, LA INSTANCES, IMMEDI/ AT 800.832.8224. |
| - | SOIL, AND MIXED THROUGH DISKING AND OTHER TECHNIQUES, THEN ALLOWED TO CURE. POLLUTION CAN OCCUR WHEN THE TREATED SOIL IS EXPOSED TO STORM WATER RUNOFF, WHICH CAN CARRY THE LIME OFF—SITE TO RECEIVING WATERS WHERE IT MAY IMPACT AQUATIC LIFE BY CHANGING THE PH BALANCE OF STREAMS, PONDS, AND OTHER WATER BODIES. | - EDUCATE AND |
| | FUEL AND OIL | PROCEDURES, - SCHEDULE REG |
| Н | – FUELS AND OILS ARE USED WITH HEAVY EQUIPMENT AND LIGHT DUTY TRUCKS AND PASSENGER CARS. DIFFERENT FUELS AND OILS ARE USED FOR DIFFERENT VEHICLES. FUEL AND/OR OIL FOR HEAVY CONSTRUCTION EQUIPMENT MAY BE STORED ON SITE | HAZARDOUS WA - WHENEVER POS |
| | IN STEEL TANKS, OR MAY BE DELIVERED ON A REGULAR BASIS BY TANKER TRUCKS. | – STORE AND US |
| _ | – FUEL AND OIL POLLUTION OCCURS WHEN THESE MATERIALS ARE SPILLED. THE PRIMARY SOURCE OF FUEL AND SPILLS ARE FILLING OPERATIONS, ASSOCIATED WITH EITHER REFUELING HEAVY EQUIPMENT OR REFILLING AN ONSITE STORAGE TANK. SPILLS CAN ALSO OCCUR BY THE FAILURE, I.E. RUPTURE OF AN ONSITE STORAGE TANK. A THIRD SOURCE OF FUEL AND OIL SPILLS ARE FROM THE HEAVY EQUIPMENT ITSELF, EITHER BY EQUIPMENT FAILURE OF DURING SERVICING. | OF CHEMICAL – STORE CEMENT MANUFACTURER STORM WATER. |
| | - IF ON SITE FUEL AND/OR ON SITE STORAGE TANKS ARE USED, OPERATOR 2 SHALL AMEND THIS SWPPP BY MARKING THE | - ENSURE CONTA |
| G | LOCATION OF THE TANKS ON THE SWPPP CONTROLS PLAN DRAWING. | - PROVIDE SECO |
| | - CONSTRUCTION CHEMICALS | - RESTRICT ACCE CHEMICALS ANI |
| _ | CURING COMPOUNDS, SPACKLING COMPOUND, ROOFING, TAR, GREASES ANTIFREEZE, PESTICIDES, HERBICIDES AND FERTILIZER. THESE MATERIALS MAY BE FOUND IN A STORAGE SHED, CONSTRUCTION TRAILER, INSIDE OF THE STRUCTURE(S) UNDER CONSTRUCTION. THESE MATERIALS MAY ALSO BE FOUND AT THEIR POINT OF USE. CHEMICAL SPILLS CONSTITUTE THE | - USE ONLY IN |
| | PRIMARY SOURCE OF POLLUTION FROM THESE CHEMICALS | - ENSURE THAT SITE. CLEARL ALLOW CHEMIC |
| F | SANITARY WASTES | – SEGREGATE HA |
| | - SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL ARE A NECESSARY PIECE OF EQUIPMENT ON MOST CONSTRUCTION SITES. SANITARY WASTES FROM SPILLS OR IMPROPERLY MANAGED FACILITIES WILL CONTAMINATE RUNOFF IF EXPOSED TO STORM WATER. | - USE ONLY LICE FUEL AND CI |
| | POLLUTION PREVENTION AND SPILL RESPONSE SEDIMENT: | – ENSURE THAT POWDERS, PAD |
| | — MINIMIZE THE DISTURBED AREA AT ANY GIVEN TIME BY LIMITING EARTHWORK TO ONLY THAT AREA WHICH WILL REMAIN ACTIVE FOR MORE THAN 21 DAYS. WHEN AN AREA WILL LIE INACTIVE FOR MORE THAN 21 DAYS, INCLUDING SOIL STOCKPILES, TEMPORARILY STABILIZE THE AREA WITH VEGETATION, MULCH, OR OTHER METHODS. | – FUEL, OIL AND ASSESS THE N CONTAIN THE S |
| E | - INSTALL THE CONTROLS AND IMPLEMENT THE METHODS AND SCHEDULES SPECIFIED IN THIS SWPPP, INCLUDING MAINTENANCE PROCEDURES, INSPECTION AND MONITORING, AND AMENDING THE SWPPP AS NEEDED TO COMPLY WITH THE GENERAL PERMIT REQUIREMENTS. | RESPONSE PER – AFTER THE SP AND PROPERLY SPILL AND TH |
| | CONSTRUCTION DEBRIS: | SPILL, AND TH - IN THE EVENT |
| _ | EDUCATE AND TRAIN PERSONNEL IN PROPER CONSTRUCTION DEBRIS HANDLING AND DISPOSAL PROCEDURES, AND IN WASTE MINIMIZATION TECHNIQUES. | AND THEN NOT RESOURCE CEN NUMBER, COMF |
| | - MINIMIZE GENERATION OF WASTE; RECYCLE CONSTRUCTION DEBRIS WHEN PRACTICABLE. | EQUIPMENT, MA |
| D | - CONTRACTOR SHALL IMPLEMENT GOOD HOUSEKEEPING PRACTICES TO MINIMIZE EXPOSURE OF WASTE MATERIALS TO STORM WATER. | - EMPLOY A "PORT |
| | – PROMPTLY DEPOSIT WASTE MATERIALS IN APPROPRIATE RECEPTACLES (E.G. DUMPSTERS) AND ENSURE THAT WASTE RECEPTACLES ARE EMPTIED FREQUENTLY, ENSURE THAT DUMPSTERS AND OTHER WASTE RECEPTACLES ARE COVERED TO PREVENT EXPOSURE TO STORM WATER AND WIND. | GOOD WORKING - LOCATE SANITAR |
| | - INSTALL LITTER FENCES ON DOWNWIND SITE PERIMETER. LITTER FENCE SHALL BE 6-FOOT HIGH CHAIN LINK OR WOOD FENCE AND PERIMETER CONSTRUCTION FENCE, IF USED, MAY ALSO FUNCTION AS SITE PERIMETER LITTER FENCE AT DOWNWIND | MAINTENANCI |
| 1 | PERIMETER OF CONSTRUCTION TRAILER(S). | - OPERATOR 2 S OTHER SWPPP |
| | – CONTRACTOR SHALL NOT ALLOW ANY CONSTRUCTION DEBRIS OUTSIDE OF THE PROJECT BOUNDARY. ANY CONSTRUCTION DEBRIS (E.G. MUD, GRAVEL, ORGANIC MATTER, MASONRY, CONCRETE, METAL STUDS, ETC.) THAT FALLS ONTO ADJACENT AREAS SHALL PROMPTLY BE REMOVED. DISPOSE OF CONSTRUCTION DEBRIS IN APPROPRIATE WASTE RECEPTACLES DAILY. | - REMOVE AND F |
| C | - COLLECT BLOWN LITTER ON A WEEKLY BASIS, AND DISPOSE IN AN APPROPRIATE WASTE RECEPTACLE. | - SEDIMENT REM |
| | - PROPERLY DISPOSE WASTE MATERIALS IN A LEGAL MANNER AT A LEGAL OFF SITE WASTE DISPOSAL OR PROCESSING CENTER. | ON SITE IN SU DEVICE. |
| _ | - DO NOT DUMP EXCESS CONCRETE. | - REPAIR SILT FI - PULL FABRIC 1 |
| | - ON VACANT AREAS WITHIN THE JOBSITE, IN DRAINAGE SWALES OR STORM SEWERS, OR ON ADJACENT AREAS OFF JOBSITE. | - HAY BALES SH |
| В | - DUMP EXCESS CONCRETE ONLY IN DESIGNATED CONCRETE WASH OUT AREA. WASH OUT AREA SHALL INCLUDE A CONTAINMENT BERM TO STORE A MINIMUM 20 FEET X 20 FEET X 2FOOT VOLUME. | INHIBITS SEDIM - REPLACE ROCK |
| | - WASH CONCRETE MIX TRUCK ONLY AT DESIGNATED CONCRETE WASH OUT AREA | OUTLETS/CHEC |
| | – SAWCUT SLURRY AND CUTTINGS SHALL BE VACUUMED CONTINUOUSLY DURING SAWCUTTING OPERATIONS. DO NOT MIX SLURRY AND CUTTINGS TO DRAIN TO DRAINAGE SWALES OR STORM SEWERS – USE SANDBAG BERMS IF NECESSARY. DO NOT ALLOW SLURRY TO REMAIN ON PAVEMENT TO DRY OUT. VACUUMED SLURRY AND CUTTINGS SHALL BE DISCHARGED TO THE DESIGNATED CONCRETE WASH OUT AREA. | - WHEN SEDIMEN OR REPLACED. DRESSING WITH TIMBER PLANK |
| | – OVERFLOW FROM WASH OUT AREA SHALL BE DISCHARGED TO A SEDIMENT CONTROL DEVICE, PREFERABLY A VEGETATIVE BUFFER ZONE. | - KEEP STORM N VELOCITY CON NECESSARY |
| Д | – DISPOSE EXCESS CONCRETE AND SAWCUTTING SLURRY ONLY AFTER IT HAS BEEN HARDENED. | NECESSARY. - SEDIMENT TRAF ONE-THIRD TH OUTLETS ARE |
| | | OUTLETS ARE - |
| | 1 2 3 4 5 | 6 |

| 7 8 9 | 10 11 12 13 14 | 15 16 17 |
|--|--|--|
| ATION: | - SEDIMENT BASINS SHALL BE CLEANED REGULARLY. REMOVE ACCUMULATED SEDIMENT WHEN SEDIMENT LEVEL REACHES TWO-THIRDS THE DESIGN DEPTH. ENSURE THAT RISERS AND SPILLWAYS ARE IN PROPER WORKING ORDER. REPAIR EMBANKMENTS AND SPILLWAYS THAT SHOW SIGNS OF EROSION OR BREACH. | |
| ATIONS TO THAT WHICH CAN BE MIXED AND COMPACTED BY THE END OF ONE WORK DAY. | - INLET PROTECTION DEVICES SHALL BE CLEANED REGULARLY. REMOVE ACCUMULATED SEDIMENT WHEN SEDIMENT LEVELS REACH ONE-HALF THE HEIGHT OF THE PROTECTION DEVICE. FOR SYSTEMS USING FABRIC FILTERS, REPAIR TORN OR SAGGED FABRIC AND REPLACE FABRIC THAT HAS BECOME CLOGGED. FOR FILTERS USING STONE FILTERS, REMOVE AND CLEAN STONE AND REPLACE | CERTIFICATION BY OWNER |
| IER THAN WATER TRUCKS AND MIXING EQUIPMENT SHALL BE ALLOWED ON THE SPREAD LIME UNTIL AFTER MIXING. T AND DOWNSTREAM OF LIME OPERATIONS SHALL BE ROUGHENED TO INTERCEPT LIME AND REDUCE RUNOFF | AROUND INLET, OR ALTERNATIVELY, LEAVE CLOGGED STONE IN PLACE AND PLACE NEW STONE AROUND INLET. - PROMPTLY REMOVE AND PROPERLY DISPOSE OFF-SITE ACCUMULATIONS OF SEDIMENT AND SILT UPON NOTIFICATION OF SUCH ACCUMULATIONS OR UPON DISCOVERY DURING SWPPP INSPECTION. ON A DAILY BASIS, SWEEP OR OTHERWISE REMOVE DUST AND | (OPERATOR 1) I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED |
| THEN DIKES AND SEDIMENT TRAPS MAY ALSO BE USED, INDIVIDUALLY, OR IN COMBINATION. DO NOT USE SILT IT WILL NOT FILTER PARTICLES FROM RUNOFF. EAS, ESPECIALLY WHERE PHASING OF LIME OPERATIONS IS IMPRACTICAL, SEDIMENT BASINS SHALL BE USED. | SILT ON ADJACENT PUBLIC AND PRIVATE ROADS FOR A DISTANCE OF 200 FEET IN EACH DIRECTION FROM THE STABILIZED CONSTRUCTION EXIT. - ON A DAILY BASIS, COLLECTION CONSTRUCTION DEBRIS THAT HAS NOT BEEN PROPERLY DISPOSED. | UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF |
| S SHALL HAVE A DRAWDOWN TIME GREATER THAN 3 HOURS. | KEEP AREAS AROUND DUMPSTERS AND OTHER WASTE RECEPTACLES CLEAN AND FREE FROM LITTER, DEBRIS, AND WASTES. SCHEDULE WASTE HAULERS TO SERVICE DUMPSTERS AND OTHER WASTE RECEPTACLES ON A WEEKLY BASIS, OR MORE FREQUENT | THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION |
| | WHEN SITE CONDITIONS WARRANT. - COLLECT BLOWN LITTER AT LEAST ONCE PER WEEK, AND PROPERLY DEPOSIT IN APPROPRIATE WASTE RECEPTACLES. | SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR |
| STORAGE TANKS ARE USED, STORE TANKS TOGETHER AND PROVIDE SECONDARY CONTAINMENT BERMS AROUND "UELING AREA. | - KEEP AREAS AROUND SANITARY FACILITIES CLEAN AND ACCESSIBLE. SCHEDULE THE PORT-A-JOHN SERVICE TO REMOVE SANITARY WASTES ON A WEEKLY BASIS. | SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. |
| RUCKS ARE USED, DESIGNATE A REFUELING AREA AND PROVIDE A SECONDARY CONTAINMENT BERM AROUND | - KEEP AREAS AROUND CHEMICAL STORAGE DEPOTS AND FUEL TANKS CLEAN, ACCESSIBLE AND FREE DEBRIS AND WASTE. REPAIR CONTAINMENT BERMS AS NECESSARY. | |
| ENANCE IN DESIGNATED AREAS ALSO PROTECTED BY CONTAINMENT BERMS. | INSPECTIONS: | NAME OF OWNER [PRINT] DATE |
| N CHEMICALS: THE INTENT OF THIS SWPPP TO ADDRESS SITE ASSESSMENTS AND PRE-EXISTING CONTAMINATION. ALSO, MAJOR | - OPERATOR 2 SHALL INSPECT THE SITE AND ALL SWPPP METHODS AND DEVICES EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAIN EVENT OF ONE-HALF INCH OR GREATER. VERIFY THAT ALL CONTROLS ARE IMPLEMENTED IN ACCORDANCE WITH THIS | OWNER'S AUTHORIZED REPRESENTATIVE [SIGNATURE] |
| GE SPILLS, AND HAZARDOUS WASTE INCIDENTS REQUIRE IMMEDIATE RESPONSE FROM SPECIALISTS; IN SUCH TELY NOTIFY THE NATIONAL RESPONSE CENTER AT 800.424.8802 AND THE TCEQ EMERGENCY RESPONSE HOTLINE | SWPPP AND THAT THEY ARE IN PROPER WORKING ORDER. - PERSONS CONDUCING SWPPP INSPECTIONS SHALL BE THOROUGHLY FAMILIAR WITH THIS SWPPP, AND SHALL HAVE DETAILED KNOWLEDGE OF SWPPP BMP'S, ESPECIALLY THOSE SPECIFIED IN THIS SWPPP, INCLUDING: CONSTRUCTION, PERFORMANCE AND | NAME OF AUTHORIZED REPRESENTATIVE [PRINT] |
| RAIN PERSONNEL IN PROPER CHEMICAL AND HAZARDOUS MATERIAL STORAGE, HANDLING AND DISPOSAL I PROPER SPILL RESPONSE, AND TO DISTINGUISH NON—HAZARDOUS AND HAZARDOUS MATERIALS. | - SWPPP INSPECTORS SHALL ALSO HAVE AUTHORITY TO DELEGATE TASKS AND COMMIT RESOURCES TO ADDRESS DEFICIENCIES. | TITLE OF AUTHORIZED REPRESENTATIVE [PRINT] |
| ILAR MEETINGS ON SITE SAFETY, CHEMICAL AND HAZARDOUS MATERIAL STORAGE AND HANDLING, CHEMICAL AND TE DISPOSAL PROCEDURES, AND SPILL RESPONSE PROCEDURES. | SWPPP INSPECTORS SHALL ALSO HAVE AUTHORITY TO DELEGATE TASKS AND COMMIT RESOURCES TO ADDRESS DEFICIENCIES, NONCOMPLIANCE, AND SPILL RESPONSE. THE DESIGNATED PERSON AUTHORIZED TO CONDUCT SWPPP INSPECTIONS FOR THIS PROJECT IS NAMED AS FOLLOWS: | |
| SIBLE, MINIMIZE USE OF HAZARDOUS MATERIALS. | - THE DESIGNATED PERSON AUTHORIZED TO CONDUCT SWPPP INSPECTIONS FOR THIS PROJECT IS NAMED AS FOLLOWS: NAME: | |
| CONSTRUCTION CHEMICALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED INSTRUCTIONS. DISPOSE ASTE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED INSTRUCTIONS. | | CERTIFICATION BY CONTRACTOR (OPERATOR 2) |
| SACKS, CHEMICAL CONTAINERS AND DRUMS, CARTONS, ETC. ON PALLETS. IF NOT IN CONFLICT WITH S RECOMMENDED INSTRUCTIONS, STORE IN CONTAINERS OR AN ENCLOSED SPACE PROTECTED FROM EXPOSURE TO STORE AWAY FROM DRAINAGE SWALES AND CATCH BASINS. | O AREAS STABILIZED WITH SEED, SOD, MULCH OR OTHER METHODS | UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE |
| IERS, DRUMS, CARTONS, ETC. ARE CLEARLY MARKED. | 0 ROCK CHECK DAMS 0 ROCK CHECK DAMS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION | WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF |
| ARY CONTAINMENT BERMS AROUND CHEMICAL STORAGE AREAS. | 0 ROCK STABILIZED AND/OR TIMBER MAT CONSTRUCTION EXITS FURNISHED TO THE ENGINEER 0 CONCRETE WASHOUT STATIONS BY THE CONTRACTOR OR OWNER | THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION |
| HAZARDOUS MATERIALS. | 0 SWALES AND OUTLET PROTECTION 0 INLET PROTECTION BY: Masen realized | SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR |
| JFFICIENT CHEMICAL AND HAZARDOUS WASTE RECEPTACLES ARE CONVENIENT AND AVAILABLE THROUGHOUT THE MARK CHEMICAL AND HAZARDOUS WASTE RECEPTACLES WHICH MATERIALS CAN BE DISPOSED IN THEM. DO NOT AND HAZARDOUS WASTE TO ACCUMULATE. | 0 SEDIMENT TRAPS AND TRAP DISCHARGE STRUCTURES 0 SEDIMENT BASINS, AND BASIN DISCHARGE STRUCTURES DATE: 11.14.2019 | SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. |
| ARDOUS WASTES FROM NON-HAZARDOUS WASTE AND CONSTRUCTION DEBRIS. | 0 MATERIAL STORAGE AREAS 0 SANITARY FACILITIES | |
| SED HAZARDOUS WASTE HAULERS. | O STORM WATER DISCHARGE POINTS - WRITTEN RECORDS OF EACH SWPPP INSPECTION SHALL BE MADE USING STANDARD FORMS - SAMPLE FORMS ARE AVAILABLE AT HTTTP://WWW.EPA.GOV/NPDES/PUBS/ | NAME OF OWNER [PRINT] DATE |
| EMICAL SPILLS: | NOTE ANY AND ALL DEFICIENCIES AND NONCOMPLIANCE WITH THIS SWPPP OR THE GENERAL PERMIT. | CONTRACTOR'S AUTHORIZED REPRESENTATIVE [SIGNATURE] |
| SOCKS AND BOOMS, SOIL STOCKPILES FOR CONSTRUCTING BERMS, TANK TOURNIQUETS, ETC. | - WHEN AN INSPECTION REPORT DOES NOT NOTE ANY DEFICIENCIES OR NONCOMPLIANCE, THE REPORT SHALL CONTAIN A STATEMENT THAT THE SITE IS IN COMPLIANCE WITH THIS SWPPP AND THE GENERAL PERMIT. | NAME OF AUTHORIZED REPRESENTATIVE [PRINT] |
| TURE OF THE SPILL, AND SHALL TAKE NECESSARY ACTIONS AND USE ANY AND ALL APPROPRIATE MATERIALS TO PILL AND STOP THE CAUSE OR SOURCE OF THE SPILL; THIS MAY INCLUDE NOTIFICATION OF EMERGENCY SONNEL. | - IF SWPPP METHODS OR DEVICES ARE FOUND TO BE IMPROPERLY INSTALLED OR IN DISREPAIR, CORRECT THE SITUATION AND NOTE SUCH ACTION IN THE INSPECTION REPORT, INCLUDING THE DATE OF THE REPAIR OR OTHER ACTION. | TITLE OF AUTHORIZED REPRESENTATIVE [PRINT] |
| L IS CONTAINED AND THE SOURCE MITIGATED, THE SPILL AND CONTAMINATED MATERIALS SHALL BE CLEANED UP DISPOSED. A DESCRIPTION OF THE SPILL, THE CIRCUMSTANCES SURROUNDING THE SPILL, THE DATE OF THE RESPONSE ACTIONS TAKEN SHALL BE NOTED IN THIS SWPPP. | – IF CHANGES TO SPECIFIED METHODS OR DEVICES ARE NECESSARY TO BETTER CONTROL POLLUTANTS AND STORM WATER DISCHARGES, REVISE THIS SWPPP ACCORDINGLY WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. INCLUDE A SCHEDULE FOR INSTALLING AND IMPLEMENTING CHANGES, WHICH SHALL BE AS SOON AS POSSIBLE AND, WHERE PRACTICABLE, BEFORE THE NEXT ANTICIPATED STORM EVENT. DATE THE REVISION. | |
| OF A HAZARDOUS MATERIAL OR WASTE SPILL, CONTAIN THE SPILL, STOP THE CAUSE OR SOURCE OF THE SPILL, FY STATE AND FEDERAL AGENCIES AT: TCEQ EMERGENCY RESPONSE HOTLINE (800.832.8224) AND NATIONAL FER (800.424.8802 OR <u>WWW.NRC.USCG.MIL/REPORT.HTML</u>). BE PREPARED TO IDENTIFY: YOUR NAME, YOUR PHONE INY NAME, SITE ADDRESS, DATE AND TIME OF INCIDENT, DESCRIPTION OF INCIDENT INCLUDING SOURCE, FERIALS, AMOUNTS RELEASED, CONTAMINATION, ETC. AND THE STATUS OF THE INCIDENT. | - ALL INSPECTION FORMS SHALL BE SIGNED IN ACCORDANCE WITH 30 TAC 305.128 (RELATED TO SIGNATORIES TO REPORTS). - RETAIN ALL WRITTEN SWPPP WRITTEN REPORTS FOR A PERIOD OF THREE YEARS AFTER THE SITE HAS BEEN PERMANENTLY STABILIZED. | |
| TES: | Responsibilities of Operators 1. Secondary Operators and Primary Operators with Control Over Construction Plans and Specifications | |
| JOHN" SERVICE TO PROVIDE PORTABLE SANITARY FACILITIES FOR CONSTRUCTION PERSONNEL. ENSURE THAT THE "PORT A JOHNS" ARE IN RDER, NOT LEAKING, AND ARE SERVICES REGULARLY | All secondary operators and primary operators with control over construction plans and specifications shall: | MM.DD. NO. REVISIONS / SUBMISSIONS DAT |
| ACILITIES AWAY FROM DRAINAGE SWALES, STORM SEWERS AND RECEIVING WATERS. | (a) ensure the project specifications allow or provide that adequate BMPs are developed to meet the requirements of Part III of this general permit; | |
| ALL BE RESPONSIBLE FOR DAY TO DAY MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES AND | (b) ensure that the SWP3 indicates the areas of the project where they have control over project specifications, including the ability to make modifications in specifications; | |
| BMP'S SPECIFIED IN THIS SWPPP. | (c) ensure that all other operators affected by modifications in project specifications are notified in a timely manner so that those operators may modify their BMP s as necessary to remain compliant with the conditions of this general permit; and | |
| ROPERLY DISPOSE ACCUMULATED SILT AND SEDIMENT FROM SEDIMENT CONTROL DEVICES WHEN THE DESIGN BEEN REDUCED BY 50%, OR OTHERWISE IMPAIRS THE EFFECTIVENESS OF THE CONTROL DEVICES | (d) ensure that the SWP3 for portions of the project where they are operators indicates the name and site-specific TPDES authorization number(s) for operators with the day-to-day operational control over those activities necessary to ensure compliance with | Ion7075 Twin Hills Ave Suite 350 |
| VED FROM THE CONTROL DEVICES (E.G. SILT, FENCE, SEDIMENT BASIN) SHALL BE STOCKPILED OR DISTRIBUTED H MANNER AS TO PREVENT THE SEDIMENT FROM BEING CONVEYED OFF SITE OR BACK TO THE CONTROL | the SWP3 and other permit conditions. If the party with day-to-day operational control has not been authorized or has abandoned the site, the person with control over project specifications is considered to be the responsible party until the authority is transferred | Design Dallas, Texas 75231 Group Firm TX F6701 |
| CE THAT HAS SAGGED OR THAT HAS BEEN TORN, OVERTOPPED OR UNDERCUT. UNEARTH TOE, REMOVE POSTS, | to another party and the SWP3 is updated. | Group 214.370.3470 Ph |
| IT OR REPLACE AS NECESSARY, RESET POSTS, AND RETRENCH TOE. | 2. Primary Operators with Day-to-Day Operational Control Primary operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with an | JOB NAME LAKEVIEW DOWNS |
| IT AND/OR VELOCITY CONTROL, WHICHEVER IS SOONER. FILTER OUTLETS/CHECK DAMS THAT HAVE BECOME CLOGGED WITH SEDIMENT AND SILT, REPAIR ROCK FILTER | SWP3 and other permit conditions must ensure that the SWP3 accomplishes the following requirements: (a) meets the requirements of this general permit for those portions of the project where they are operators; | EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS |
| DAMS THAT HAVE BEEN TOPPLED OR BREACHED. HAS CLOGGED THE STONE IN STABILIZED CONSTRUCTION EXITS, THE STONE LAYER SHALL BE WASHED DOWN | (b) identifies the parties responsible for implementation of BMPs described in the SWP; (c) indicates areas of the project where they have operational control over day—to—day activities; and | C6.05 SW3P SPECIFICATIONS 2 |
| VASHED DOWN WATER SHALL DRAIN TO A SEDIMENT CONTROL DEVICE. ALSO, PERIODIC REGARDING AND TOP ADDITIONAL STONE IS REQUIRED TO KEEP THE EXIT WORKING PROPERLY. ALSO, REPLACE BROKEN OR WARPED IF USED. | (c) includes, for areas where they have operational control over day-to-day activities, the name and site-specific TPDES authorization number of the parties with control over project specifications, including the ability to make modifications in specifications. | SEAI DRAWN SCALE |
| TER CHANNELS AND DIVERSION AND INTERCEPTOR SWALES FREE OF OBSTRUCTIONS, OTHER THAN APPROVED OL DEVICES. REPAIR CHANNEL LININGS THAT HAVE BEEN ERODED, TORN, OR WASHED AWAY. REVEGETATE AS | 3. The SWP3 may provide that one operator is responsible for preparation Section C. Deadlines for SWP3 Preparation, | FM FM CHECKED FILENAME JT C6.01 SW3P.dwg |
| S SHALL BE CLEANED REGULARLY. REMOVE ACCUMULATED SEDIMENT WHEN SEDIMENT LEVEL REACHES DESIGN DEPTH OR ONE FOOT. WHICHEVER IS LESS. ENSURE THAT PERFORATED RISERS OR STONE FILTER | Implementation, and Compliance The SWP3 must be prepared prior to obtaining authorization under this general permit, and implemented prior to commencing | JASON TRAFTON REVIEWED DRAWING NO. BK |
| PROPER WORKING ORDER; REPLACE STONE FILTER OUTLETS THAT HAVE BECOME CLOGGED. | construction activities that result in soil disturbance. The SWP3 must be prepared so that it provides for compliance with the terms and conditions of this general permit. | DATE C6.05 |

The seal appearing on this document was authorized by JASON TRAFTON, P.E., on 11.14.2019 alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.



| | 3 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|---|---|---|---|----|----|----|
|--|---|---|---|---|----|----|----|

| he entity (applicant) applying for this permit? |
|--|
| elled exactly as filed with the Texas Secretary of State, County, or ng the entity.) |
| of the person signing the application? The person must be an gnatory requirements in TAC 305.44(a). |
| Suffix: Credential: |
| ct's (Responsible Authority) contact information and mailing e US Postal Service (USPS)? You may verify the address at: welcome.jsp ext:Fax #: |
| e, Etc.): |
| e, Etc.):State:ZIP Code: Country Code:Postal Code: |
| er (The instructions will help determine your customer type): Limited Partnership General Partnership Estate County Government County Government City Government |
| $\Box Yes \qquad \Box No$ osidiary, or part of a larger corporation, check "No".) |
| -100; 101-250; 251-500; or 501 or higher |
| Filing Numbers: ns and Limited Partnerships. Not Required for Individuals, etors) nber: |
| arter (filing) Number: |
| |
| r mation regarding this application, who should be contacted? The as the applicant identified above? |
| No, complete section below. |
| |
| Suffix |

Credential: Page 2

| ow. Failure to indicate Yes to ALL items may result in denial mit. |
|--|
| ed a copy and understand the terms and conditions of the nit (TXR150000). |
| name of the entity applying for this permit has been provided o do business in Texas. |
| of Termination (NOT) must be submitted when this needed. |
| Pollution Prevention Plan has been developed, will be struction and to the best of my knowledge and belief is able local sediment and erosion control plans, as required in 0000. Note: For multiple operators who prepare a shared f an operator may be limited to its obligations under the ions are confirmed by at least one operator. |
| |
| |
| |
| rinted name Title |
| his document and all attachments were prepared under my ance with a system designed to assure that qualified personnel nformation submitted. Based on my inquiry of the person or or those persons directly responsible for gathering the mitted is, to the best of my knowledge and belief, true, are there are significant penalties for submitting false ility of fine and imprisonment for knowing violations. |
| zed under 30 Texas Administrative Code 305.44 to sign and ovide documentation in proof of such authorization upon |
| Date: |
| e blue ink) |
| |
| Page 6 |
| |

| Organization Name | | 10 ⁴ | |
|---------------------|--------------------|-----------------|--|
| Phone No.: | ext: | Fax Number: | |
| E-mail: | 77 * | 5 72 54 | |
| Mailing Address: | | | |
| Internal Routing (N | Mail Code, Etc.): | | |
| City: | State: | ZIP Code: | |
| Mailing Informatio | on if outside USA: | | |
| Territory: | Country Code: | Postal Code: | |

3) REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE If the site of your business is part of a larger business site or if other businesses were located at this site before yours, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at: http://www12.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch.

If the site is found, provide the assigned Regulated Entity Reference Number and provide the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

a) TCEQ issued RE Reference Number (RN): RN_____

b) Name of project or site (the name known by the community where located):

c) In your own words, briefly describe the primary business of the Regulated Entity: (Do not repeat the SIC and NAICS code):

d) County (or counties if > 1)

e) Latitude:_____

f) Does the site have a physical address?Yes, complete Section A for a physical address. No, complete Section B for site location information.

Section A: Enter the physical address for the site. Verify the address with USPS. If the address is not recognized as a delivery address, provide the address as identified for overnight mail delivery, 911 emergency or other online map tools to confirm an address.

____ Longitude: _____

Physical Address of Project or Site:

Street Number: _____ Street Name: ____ ___State: <u>Texas</u>___ ZIP Code: ____ City: ____

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Page 3

| NOTICE OF INTENT CHECKLIST (TXR150000) | |
|--|-----------------|
| • Did you complete everything? Use this checklist to be sure! | |
| • Are you ready to mail your form to TCEQ? Go to the General Information Section | on of the |
| Instructions for mailing addresses. | on or the |
| This checklist is for use by the operator to ensure a complete application. Missing i | nformation |
| may result in denial of coverage under the general permit. (See NOI process description in the second secon | |
| Instructions) | Juon m me |
| | |
| Application Fee: | |
| If paying by Check: | an da an traite |
| Check was mailed separately to the TCEQs Cashier's Office. (See Instructi | ons for |
| Cashier's address and Application address.) | |
| Check number and name on check is provided in this application. | |
| If using ePay: | |
| The voucher number is provided in this application or a copy of the voucher | 'is attached. |
| PERMIT NUMBER: | |
| Permit number provided – if this application is for renewal of an existing au | thorization. |
| OPERATOR INFORMATION - Confirm each item is complete: | |
| Customer Number (CN) issued by TCEQ Central Registry | |
| Legal name as filed to do business in Texas (Call TX SOS 512/463-5555) | |
| Name and title of responsible authority signing the application | |
| Mailing address is complete & verifiable with USPS. <u>www.usps.com</u> | |
| Phone numbers/e-mail address | |
| Type of operator (entity type) | |
| Independent operator | |
| Number of employees | |
| For corporations or limited partnerships – Tax ID and SOS filing numbers | |
| \square Application contact and address is complete & verifiable with USPS. <u>http://</u> | MANA USDE COM |
| REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm ea | |
| complete: | ch nem is |
| | EO) |
| Regulated Entity Reference Number (RN) (if site is already regulated by TC | EQ) |
| Site/project name/regulated entity | |
| Latitude and longitude <u>http://www.tceq.texas.gov/gis/sqmaview.html</u> | |
| County | |
| Site/project physical address. Do not use a rural route or post office box. | |
| Business description | |
| GENERAL CHARACTERISTICS - Confirm each item is complete: | |
| ביר מיוד ביוי מיוי ביו ביר מיוד ביר מי | |
| Indian Country Lands – the facility is not on Indian Country Lands | |
| Construction activity related to facility associated to oil, gas, or geothermal | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code <u>www.osha.gov/oshstats/sicse</u> Acres disturbed is provided and qualifies for coverage through a NOI | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code <u>www.osha.gov/oshstats/sicse</u> Acres disturbed is provided and qualifies for coverage through a NOI | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicse Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) Impaired water body(s) | |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicsed Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) Impaired water body(s) MS4 operator Edwards Aquifer rule | |
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| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicsed Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) Impaired water body(s) Edwards Aquifer rule CERTIFICATION | er.html |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicsed Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) Impaired water body(s) Segment number(s) MS4 operator Edwards Aquifer rule CERTIFICATION Certification statements have been checked indicating "Yes" | er.html |
| Construction activity related to facility associated to oil, gas, or geothermal Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicsed Acres disturbed is provided and qualifies for coverage through a NOI Common plan of development or sale Receiving water body(s) Segment number(s) Impaired water body(s) Segment number(s) MS4 operator Edwards Aquifer rule CERTIFICATION Certification statements have been checked indicating "Yes" | er.html |

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8

| | Section B: Enter the site location informal If no physical address (Street Number & Street N description to the site. (Ex.: located 2 miles wes accessible on Hwy 290 South) | Iame), provide a written location access | | |
|----------|---|--|-------|--|
| | City where the site is located or, if not in a city, w | | | |
| 1.01 | | re the site is located: | | |
| 4) a) | GENERAL CHARACTERISTICS Is the project/site located on Indian Country Lar Yes - If the answer is Yes, you must obtain No | nds? authorization through EPA, Region 6. | | |
| b) | Is your construction activity associated with a fact associated with the exploration, development, or resources? Yes - If the answer is Yes, you may be und of Texas and may need to obtain aut No | production of oil or gas or geothermal cr jurisdiction of the Railroad Commissi | ion | |
| c) | What is the Primary Standard Industrial Classifi construction activity being conducted at the site? Primary SIC Code: | | e | |
| d) | If applicable, what is the Secondary SIC Code(s): | | | |
| e) | What is the total number of acres disturbed? | | | |
| f) | Is the project site part of a larger common plan of Yes - If the answer is Yes, the total number | of development or sale? r of acres disturbed can be less than 5 ac | cres. | |
| | qualify for coverage through this No | of acres disturbed must be 5 or more. It is less than 5 then the project site does n tice of Intent. Coverage will be denied. nit for small construction sites. | not | |
| | the requirements in the general peri | | | |

TCEQ 20022 (03/05/2013)

Page 4

| | MM.DD.YY NO. REVISIONS / SUBMISSIONS DATE | |
|---|--|---|
| | | |
| | Ion Design Group7075 Twin Hills Ave Suite 350 Dallas, Texas 75231Firm TX F6701 214.370.3470 Ph | С |
| RECORD DRAWING THIS DRAWING REPRESENTS | B NAME LAKEVIEW DOWNS EQUISTRIAN ESTATES CITY OF LUCAS, COLLIN COUNTY, TEXAS RAWING TITLE C6.06 SW3P SPECIFICATIONS 3 | В |
| THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 | EAI DRAWN SCALE Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Construction of the second system Image: Co | |

13 14 15 © Copyright 2019 Ion Design Group, LLC. All rights reserved. The seal appearing on this document was authorized by JASON TRAFTON, P.E., on 11.14.2019 alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

| 1 | 1 0 1 | 7 | л Л | 1 | F | 1 |
|---|---|--|---|--|---|---|
| | 1 2 | 3 | 4 | | 5 | |
| К | Texas Commission on Environmental Qualiy P.O. Box 13087, Austin, Texos 78711-3087 GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM. | background vegetative c unpaved areas and area equivalent permanent st gabions, or geotextiles) B. For individual lots (1) the homebuilder condition (a) above; or (2) the homebuilder ei individual lot prior to th | in a residential construction site b completing final stabilization as spo stablishing temporary stabilization f e time of transfer of the ownershi | shed on all tures, or use of riprap, y either: ecified in or an p of the | manual (e.g. stormwa "steep slope", this pe such definition exists, percent or greater in Stormwater (or Storm surface runoff and du | (for example, the rout xisting roads, the rout nee activities.) a state, Tribe , local ater BMP manual) has ermit's definition auto ermit's definition auto grade. water Runoff)— Rainfo |
| _ | under provisions of Section 402 of the Clean Water Act and Chapter 26 of the Texas Water Code This permit supersedes and replaces | for, and benefits of, fin feasible, then the home perimeter controls or Bl | after informing the homeowner of al stabilization. If temporary stabili builder may fulfill this requirement MPs, and informing the homeowner ry controls and the establishment | zation is not by retaining of the need | construction activity or excavating) result in or are part of a larg disturbance of one (* | where soil disturbing o the disturbance of or ger common plan of o |
| J | TPDES General Permit No.TXR150000, issued March 5, 2008 Construction sites that discharge stormwater associated with construction activity located in the state of Texas may discharge to surface water in the state only according to monitoring requirements and other conditions set forth in this general permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ or Commission), the laws of the State of Texas, and other orders of the Commission of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public properly for conveyance of stormwater and certain non-stormwater discharges along the discharge route. This includes property belonging to but not | homebuilder's stormwate C. For construction a (such as pipelines acros be accomplished by retu agricultural use. Areas agricultural activities, su surface water and areas preconstruction agricultu conditions of condition D. In arid, semi-arid, | ement must be documented in the r pollution prevention plan (SWP3). ctivities on land used for agricultu ss crop or range land), final stabil urning the disturbed land to its pre disturbed that were not previously ch as buffer strips immediately ad s that are not being returned to the ral use must meet the final stabilit (a) above. and drought—stricken areas only, he site have been completed and | ral purposes zation may econstruction used for jacent to neir zation all soil | construction of a dev stormwater runoff. S limited to: silt fences subsurface drains, str soil retaining systems Surface Water in the rivers, streams, creek Mexico inside the ter (MHWM) out 10.36 m natural or artificial, in including the beds ar that are wholly or po jurisdiction of the str authorized by state of | arthen dikes, drain orm drain inlet protect s, gabions, and tempo State— Lakes, bays, ks, estuaries, wetlands ritorial limits of the s illes into the Gulf), ar nland or coastal, fresl and banks of all water- artially inside or borde ate; except that water or federal law, regulations. |
|] | limited to any individual, partnership, corporation or other entity. Neither does this general permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route. This general permit and the authorization contained herein shall expire at midnight, five years from the permit effective date. EFFECTIVE DATE: March 5, 2013 ISSUED DATE: FEB 19 2013 | have been met: (1) Temporary erosio rolled erosion control pr along with an appropria least three years withou (2) The temporary ero and installed to achieve coverage within three ye | | installed ontrol for at tor, and I, designed, getative | provided a protective pollutants. Temporary mulches, and other t permanent stabilizatio place. Total Maximum Daily body can assimilate of | n— A condition where cover or other struct stabilization may incl echniques to reduce o n can be achieved or Load (TMDL)— The to and still meet the Tex on of water quality ch /or organic material. |
| | Part I. Flow Chart and Definitions | tanks with chlorine for | iterlines— Treatment of potable w disinfection purposes, typically follo of the waterline or tank, and subse | wing repair | waters of the U.S. m | eans: are currently used, we |

Section A. Flow Chart to Determine Whether Coverage is Required

Section B. Definition

Arid Areas - Areas with an average annual rainfall of 0 to 10 inches. Best Manaaement Practices (BMPs)- Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff spills or leaks, waste disposal, or drainage from raw material storage Commencement of Construction- The initial disturbance of soils

associated with clearing, grading, or excavation activities, as well as other construction-related activities (e.g., stockpiling of fill material, demolition)

Common Plan of Development- A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development (also known as a "common plan of development or sale") is identified by the locumentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests. or other similar documentation and activities. A common plan of development does not necessarily include all construction projects within the jurisdiction of a public entity (e.g., a city or university) Construction of roads or buildinas in different parts of the jurisdiction would be considered separate "common plans," with only the interconnected parts of a project being considered part of a "common plan" (e.g., a building and its associated parking lot and driveways,

airport runway and associated taxiways, a building complex, etc.). Where discrete construction projects occur within a larger common plan of development or sale but are located 1/2 mile or more apart, and the area between the projects is not being disturbed, each individual project can be treated as a separate plan of development or sale. provided that any interconnecting road, pipeline or utility project that is part of the same "common plan" is not included in the area to be disturbed. Construction Activity- Includes soil disturbance activities, including

maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site (e.g., the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities). Regulated construction activity is defined in terms of small and large construction activity. Dewatering- The act of draining rainwater or groundwater from building

foundations, vaults, and trenches Discharge- For the purposes of this permit, the drainage, release, or disposal of pollutants in stormwater and certain non-stormwater from areas where soil disturbing activities (e.g., clearing, grading, excavation, stockpiling of fill material, and demolition), construction materials or

equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck wash out, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants) are located. Drought-Stricken Area- For the purposes of this permit, an area in

which the National Oceanic and Atmospheric Administration's U.S. Seasonal Drought Outlook indicates for the period during which the construction will occur that any of the following conditions are likely: (1) "Drought to persist or intensify", (2) "Drought ongoing, some improvement", (3) "Drought likely to improve, impacts ease", or (4) Drought development likely". See

Edwards Aquifer- As defined under Tex as Administrative Code (TAC) § 213.3 of this title (relating to the Edwards Aquifer), that portion of an arcuate belt of porous, water-bearing, predominantly carbonate rocks known as the Edwards and Associated Limestones in the Balcones Fault Zone trending from west to east to northeast in Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties: and composed of the Salmon Peak Limestone, McKnight Formation,

West Nueces Formation, Devil's River Limestone, Person Formation, Kainer Formation, Edwards Formation, and Georgetown Formation. The permeable aquifer units generally overlie the less-permeable Glen Rose Formation to the south, overlie the less-permeable Comanche Peak and Walnut Formations north of the Colorado River, and underlie the less-permeable Del Rio Clay regionally

Edwards Aquifer Recharge Zone- Generally, that area w here the stratigraphic units constituting the Edwards Aguifer crop out, including the outcrops of other geologic formations in proximity to the Edwards Aquifer, where caves, sinkholes, faults, fractures, or other permeable features would create a potential for recharge of surface waters into the Edwards Aquifer. The recharge zone is identified as that area designated as such on official maps located in the offices of the Texas Commission on Environmental Quality (TCEQ) and the appropriate

regional office. The Edwards Aquifer Map Viewer, located at http://www.tceq.texas.gov/compliance/field_ops/eapp/mapdisclaimer.html can be used to determine where the recharge zone is located. Edwards Aquifer Contributing Zone- The area or watershed where noff from precipitation flows downgradient to the recharge zone of the Edwards Aquifer. The contributing zone is located upstream upgradient) and generally north and northwest of the recharge zone for the following counties: all greas within Kinney County, except the

area within the watershed draining to Segment No. 2304 of the Rio rande Basin; all areas within Uvalde, Medina, Bexar, and Come Counties: all areas within Hays and Travis Counties, except the area within the watersheds draining to the Colorado River above a point 1.3 miles upstream from Tom Miller Dam, Lake Austin at the confluence of Barrow Brook Cove, Segment No. 1403 of the Colorado River Basin; and all areas within Williamson County, except the area within the watersheds draining to the Lampasas River above the dam at Stillhouse Hollow reservoir, Segment No. 1216 of the Brazos River Basin. The contributing zone is illustrated on the Edwards Aquifer map

<u>http://www.tceq.texas.gov/compliance/field_ops/eapp/mapdisclaimer.html</u>. Effluent Limitations Guideline (ELG)- Defined in 40 Code of Federal Regulations (CFR) § 122.2 as a regulation published by the Administrator under § 304(b) of the Clean Water Act (CWA) to adopt or revise effluent limitations.

Facility or Activity- For the purpose of this permit, a construction site or construction support activity that is regulated under this general permit, including all contiguous land and fixtures (for example, ponds and materials stockpiles), structures, or appurtenances used at a construction site or industrial site described by this general permit. Final Stabilization- $\ensuremath{\mathsf{A}}$ construction site status where any of the following

conditions are met: A. All soil disturbing activities at the site have been completed and a uniform (that is, evenly distributed, without large bare areas)

flushing the contents. Impaired Water- A surface water body that is identified on the latest approved CWA \$303(d) List as not meeting applicable state water auality standards. Impaired waters include waters with approved or established total maximum daily loads (TMDLs), and those where a TMDL has been proposed by TCEQ but has not yet been approved

Indian Country Land- (from 40 CFR §122.2) (1) all land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation: (2) all dependent Indian communities with the borders of the United State whether within the originally or subsequently acquired territory thereof and whether within or without the limits of a state; and (3) all Indian allotments, the Indian titles to which have not been extinguished including rights-of-way running through the same.

Indian Tribe- (from 40 CFR §122.2) any Indian Tribe, band, group, or community recognized by the Secretary of the Interior and exercising governmental authority over a Federal Indian Reservation.

Large Construction Activity- Construction activities including clearing aradina, and excavating that result in land disturbance of equal to areater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and arade, hydraulic capacity, or original purpose of the site (for example, the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.)

Linear Project - Includes the construction of roads, bridges, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area. Minimize- To reduce or eliminate to the extent achievable using stormwate controls that are technologically available and economically practicable and achievable in light of best industry practices

Municipal Separate Storm Sewer System (MS4)— A separate storm sewer system owned or operated by the United States, a state, city, town, county, distric association, or other public body (created by or pursuant to state law) having iction over the disposal of sewage, industrial wast wastes, including special districts under state law such as a sewer district, floo control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, that discharges to surface water in the state. Notice of Change (NOC)- Written notification to the executive director from a discharger authorized under this permit, providing changes to information that was reviously provided to the agency in a notice of intent form. Notice of Intent (NOI)- A written submission to the executive director from an

licant requesting coverage under this general permit Notice of Termination (NOT) - A written submission to the executive director from a discharger authorized under a general permit requesting termination of coverage. Operator— The person or person s associated with a large or small construction activity that is either a primary or secondary operator as defined below: Primary Operator- the person or person s associated with a large or small construction activity that meets either of the following two criteria:

(a) the person or persons have on-site operational control over construction plans specifications, including the ability to make modifications to those plans and specifications: or (b) the person or persons have day-to-day operational control of those activities at a construction site that are necessary to ensure compliance with a Storm Water Pollution Prevention Plan (SWP3) for the site or other permit conditions (for

example, they are authorized to direct workers at a site to carry out activities required by the SWP3 or comply with other permit conditions). Secondary Operator- The person or entity , often the property owner, whose http://www.cpc.ncep.noaa.gov/products/expert_assessment/seasonal_drought.time employment of other operators, such as a general contractor, to perform

or supervise construction activities; or (b) the ability to approve or disapprove changes to construction plans and specifications, but who does not have day—to—day on—site operational control over onstruction activities at the site.

ondary operators must either prepare their own SWP3 or participate in a shared SWP3 thát covers the areas of the construction site where they have control over the plans and specifications. If there is not a primary operator at the construction site, then the secondary operator is defined as the primary operator and must comply with the

requirements for primary operators. Outfall— For the purpose of this permit, a point source at the point where stormwater runoff associated with construction activity discharges to surface water in the state and does not include open conveyances connecting two municipal eparate storm sewers, or pipes, tunnels, or other conveyances that connec

segments of the same stream or other water of the U.S. and are used to convey Permittee— An operator authorized under this general permit. The authorizatior may be gained through submission of a notice of intent, by waiver, or by meeting the requirements for automatic coverage to discharge stormwater runoff and

certain non-stormwater discharges. Point Source- (from 40 CFR §122.2) Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, andfill leachate collection system, vessel or other floating craft from which

pollutants are, or may be, discharged. This term does not include return flows from irrigated agriculture or agricultural stormwater runoff. Pollutant— Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded eauipment, rock, sand, cellar dirt, and ndustrial, municipal, and agricultural waste discharged into any surface water i the state. The term "pollutant" does not include tail water or runoff water from

rigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland. For the purpose of this permit, the term "pollutant" includes Pollution- (from Texas Water C ode (TWC) \$26,001(14)) The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious

to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose. Rainfall Erosivity Factor (R factor)- the total annual erosive potential that is due to climatic effects, and is part of the Revised Universal Soil Loss Equation

Receiving Water - A "Water of the United States" as defined in 40 CFR §122.2 into which the regulated stormwater discharges. Semiarid Areas— areas with an average annual rainfall of 10 to 20 inches

Separate Storm Sewer System- A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man—made channels, or storm drains), designed or used for collecting c conveying stormwater; that is not a combined sewer, and that is not part of a oublicly owned treatment works (POTW). Small Construction Activity- Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also include

the disturbance of less than one (1) acre of total land area that is part of a arger common plan of development or sale if the larger common plan will ultimately disturb equal to or areater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is and arade, hydraulic capacity, or original not meet applicable water quality standards and are listed on the EPA approved routine grading of existing dirt roads, routine clearing of existing right—of—ways, CWA §303(d) List. Pollutants of concern are those for which the water body is sted as impaired. Discharges of the pollutants of concern to impaired water bodies for which there is a TMDL are not eligible for this general permit unless they are consistent with the approved TMDL. Permittees must incorporate the conditions and requirements applicable to their discharges into their SWP3, in order to be eligible for coverage ocal government, or industry technical as defined what is to be considered a utomatically adopts that definition. Where r under this general permit. For consistency with the construction stormwater-related items in an approved TMDL, the SWP3 must be consistent automatically defined as those that are 1 with any applicable condition, goal, or requirement in the TMDL, TMI ainfall runoff, snow melt runoff, and Implementation Plan (I-Plan), or as otherwise directed by the executive director. 5. Discharges to the Edwards Aquifer Recharge or Contributing Zone

Activity- Stormwater runoff from a a activities (including clearing, grading, one (1) or more acres of total land area, development or sale that will result in of total land area.

ition prevention practice that requires the device, to reduce or prevent pollution in (a) For new discharges located within the Edwards Aquifer Recharge Zone, or ind practices may include but are not vithin that area upstream from the recharge zone and defined as the Contribut ainage swales, sediment traps, check dams, Zone (CZ), operators must meet all applicable requirements of, and operate on, rock outlet protection, reinforced according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the mporary or permanent sediment basins. provisions and requirements of this general perm lys, ponds, impounding reservoirs, springs (b) For existing discharges located within the Edwards Aquifer Recharge Zone, the ids, marshes, inlets, canals, the Gulf of requirements of the agency-approved Water Pollution Abatement Plan (WPAP) under the Edwards Aquifer Rule is in addition to the requirements of this genera state (from the mean high water mark and all other bodies of surface water. and maintenance schedules for structural stormwater co esh or salt, navigable or nonnavigable example, may be required as a provision of the rule. All applicable requirement ter-courses and bodies of surface water, of the Edwards Aquifer Rule for reductions of suspended solids in stormwater lering the state or subject to the unoff are in addition to the requirements in this general permit for this pollutar sters in treatment systems which are Discharges to Specific Watersheds and Water Quality Areas lation, or permit, and which are created ot considered to be water in the state Discharges otherwise eligible for coverage cannot be authorized by this general ere ex posed soils or disturbed areas are permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) l control to prevent the migration r water quality areas and watersheds. include temporary seeding, geotextiles Protection of Streams and Watersheds by Other Governmental Entities e or eliminate erosion until either

or until further construction activities take

total amount of a pollutant that a water Texas Surface Water Quality Standards characterized by the presence of) CFR \$122.2) Waters of the United States or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide: (b) all interstate waters, including interstate wetlands; (c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet

meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any (1) which are or could be used by interstate or foreign travelers for ecreational or other purposes;

(2) from which fish or shellfish are or could be taken and sold in interstate or oreign commerce; or

(3) which are used or could be used for industrial purposes by industries in interstate commerce: (d) all impoundments of waters otherwise defined as waters of the United States under this definition: (e) tributaries of waters identified in paragraphs (a) through (d) of this definition;

i) the territorial sea; and (a) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition. Waste treatment systems, including treatment ponds or lagoons designed to meet

the requirements of CWA (other than cooling ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition) are not waters of the This exclusion applies only to manmade bodies of water which neither were originally created in waters of the U.S. (such as disposal area in wetlands) nor esulted from the impoundment of waters of the U.S. Waters of the U.S. do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the CWA, the final authority regarding CWA jurisdiction remains with EPA.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization Stormwater Associated with Construction Activity Discharges of stormwater runoff from small and large construction activities may authorized under this general permit Discharges of Stormwater Associated with Construction Support Activities Examples of construction support activities include, but are not limited to, concrete

material storage vards, material borrow areas, and excavated material disposal areas. Construction support activities authorized under this general permit are not commercial operations, and do not serve multiple unrelated construction projects. authorized under this general permit, provided that the following conditions are

(a) the activities are located within one (1) mile from the boundary of the permitted construction site and directly support the construction activity (b) an SWP3 is developed for the permitted construction site according to the this general permit, and includes appropriate controls and to reduce erosion and discharge of pollutants in stormwater runoff from the construction support activities; and (c) the construction support activities either do not operate beyond the pletion date of the construction activity or, at the time that they do, are

authorized under separate Texas Pollutant Discharge Elimination System (TPDES authorization. Separate TPDES authorization may include the TPDES Multi Sect General Permit (MSGP). TXR050000 (related to stormwater discharges associated with industrial activity), separate authorization under this general permit if pplicable, coverage under an alternative general permit if available, or authorization under an individual water quality permit. 3. Non-Stormwater Discharges

following non-stormwater discharges from sites authorized under this general permit are also eligible for authorization under this general permit: (a) discharges from fire fighting activities (fire fighting activities do not include washing of trucks, run-off water from training activities, test water from fire suppression systems, or similar activities); (b) uncontaminated fire hydrant flushings (excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life), which include flushings from systems that utilize potable water, surface water, or groundwater that does not contain additional pollutants (uncontaminated fire hydrant flushings do not include systems utilizing eclaimed wastewater as a source water);

(c) water from the routine external washing of vehicles, the external portion of buildings or structures, and pavement, where detergents and soaps are not used. where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, or dust; (d) uncontaminated water used to control dust

(e) potable water sources, including waterline flushings, but excluding discharges of hyperchlorinated water, unless the water is first dechlorinated and discharges are not expected to adversely affect aquatic life; (f) uncontaminated air conditioning condensate; (g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents;

(h) any non-stormwater discharges are either authorized under a separate permit (h) lawn watering and similar irrigation drainage authorization, or are not considered to be a wastewater. 4. Other Permitted Discharge Part II.G. of this general permit describes how an operator may apply for and Any discharge authorized under a separate National Pollutant Discharge Elimination obtain a waiver from permitting, for certain small construction activities that System (NPDES), TPDES, or TCEQ permit may be combined with discharges occur during a period with a low potential for erosion, where automatic authorized by this general permit, provided those discharges comply with the authorization under this section is not available

Section B. Concrete Truck Wash Out The wash out of concrete trucks at regulated construction sites must be performed in accordance with the requirements of **P**art V of this general permit.

Section C. Limitations on Permit Coverage 1. Post Construction Discharges Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under this general permit. Discharges originating from the sites are not authorized under this general permit following the submission of the notice of termination (NOT) or removal of the appropriate site notice, as applicable, for the regulated construction activity 2. Prohibition of Non-Stormwater Discharges Except as otherwise provided in Part II.A. of this general permit, only discharges that are composed entirely of stormwater associated with construction activity may be authorized under this general permit.

federal authorities); and (c) provide a copy of the signed and certified construction site notice to the 3. Compliance With Water Quality Standards operator of any municipal separate storm sewer system receiving the discharge Discharges to surface water in the state that would cause, have the reasonable prior to commencement of construction activities. potential to cause, or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for Operators of small construction activities as defined in Part I.B of this gener permit shall not submit an NOI for coverage unless otherwise required by the coverage under this general permit. The executive director may require an executive director application for an individual permit or alternative general permit (see Parts II.H.2. As described in Part I (Definitions) of this general permit, large construction and 3.) to authorize discharges to surface water in the state if the executive activities include those that will disturb less than five (5) acres of land, but that director determines that any activity will cause, has the reasonable potential to cause, or contribute to a violation of water quality standards or is found to are part of a larger common plan of development or sale that will ultimately cause, has the reasonable potential to cause, or contribute to, the impairment disturb five (5) or more acres of land, and must meet the requirements of ${f P}$ ar a designated use. The executive director may also require an application for an II.E.3. below. dividual permit considering factors described in Part II.H.2. of this general Authorization for Large Construction Activities: Operators of large construction activities that qualify for coverage under this

4. Impaired Receiving Waters and Total Maximum Daily Load (TMDL) Requirements

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batch plants, rock crushers, asphalt batch plants, equipment staging areas,

New sources or new discharges of the pollutants of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do

Discharges cannot be authorized by this general permit where prohibited by 30 AC Chapter 213 (relating to Edwards Aquifer). In addition, commencement of construction (i.e., the initial disturbance of soils associated with clearing, arading or excavating activities, as well as other construction—related activities suc tockpiling of fill material and demolition) at a site regulated under 30 TA ter 213, may not begin until the appropriate Edwards Aquifer Protection Plan (EAPP) has been approved by the TCEQ's Edwards Aquifer Protection Program.

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities. For example, this permit does not limit the authority of a home-rule municipality provided by Texas Local Government Code §401.002. 8. Indian Country Lands

Stormwater runoff from construction activities occurring on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of stormwater require authorization under federal NPDES regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA). . Oil and Gas Production

Stormwater runoff from construction activities associated with the exploration development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline, are not under the authorit of the TCEQ and are not eligible for coverage under this general permit. If discharges of stormwater require authorization under federal NPDES regulations.

uthority for these discharges must be obtained from the EPA. 10. Stormwater Discharges from Agricultural Activities Stormwater discharges from garicultural activities that are not point source discharges of stormwater are not subject to TPDES permit requirements.

activities may include clearing and cultivating around for crops, construction o ces to contain livestock, construction of stock ponds, and other agricultural activities. Discharges of stormwater runoff associated with the construction of facilities that are subject to TPDES regulations, such as the construction of concentrated animal feeding operations, would be point source reaulated under this aeneral permit.

Endangered Species Act ${f D}$ ischarges that would adverselv affect a listed endangered or threatened aguatic or aquatic—dependent species or its critical habitat are not authorized by this permit, unless the requirements of the Endangered Species Act are satisfied. Federal requirements related to endangered species apply to all **TPDES** permitted discharges and site-specific controls may be required to ensure that protection of endangered or threatened species is achieved. If a permittee has concerns over otential impacts to listed species, the permittee may contact TCEQ for addition

12. Other Nothing in Part II of the general permit is intended to negate any person's ability to assert the force majeure (act of God, war, strike, riot, or other catastrophe) defenses found in 30 TAC §70.7.

Section D. Deadlines for Obtaining Authorization to Discharge 1. Large Construction Activities

(a) New Construction - Discharges from sites where the commencement of action occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities (b) Ongoing Construction - Operators of large construction activities continuing

o operate after the effective date of this permit, and authorized under TPDES general permit TXR150000 (effective on March 5, 2008), must submit an NOI to within 90 days of the effective date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to mee ne conditions and requirements of the previous TPDES permit.

Small Construction Activities (a) New Construction - Discharges from sites where the commencement construction occurs on or after the effective date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to

he commencement of those construction activities. (b) Ongoing Construction - Discharges from ongoing small construction activities that commenced prior to the effective date of this general permit, and that would not meet the conditions to qualify for termination of this permit as described in Part II.E. of this general permit, must meet the requirements to be authorized either under this general permit or a separate TPDES permit, within 90 days of the effective date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and

requirements of the previous TPDES permit Section E. Obtaining Authorization to Discharge

Automatic Authorization for Small Construction Activities With Low Potential or Erosion If all of the following conditions are met, then a small construction activity is determined to occur during periods of low potential for erosion, and a site operator may be automatically authorized under this general permit without being

required to develop an SWP3 or submit an NOI: (a) the construction activity occurs in a county listed in Appendix A; (b) the construction activity is initiated and completed, including either final or ry stabilization of all disturbed areas, within the time frame identified in

Appendix A for the location of the construction site; (c) all temporary stabilization is adequately maintained to effectively reduce of prohibit erosion, permanent stabilization activities have been initiated, and a condition of final stabilization is completed no later than 30 days following th end date of the time frame identified in Appendix A for the location of the

onstruction site: (d) the permittee signs a completed TCEQ construction site notice, including the

e) a signed copy of the construction site notice is posted at the construction local, state, and federal authorities prior to commencing construction activities, and maintained in that location until completion of the construction activity;

(f) a copy of the signed and certified construction site notice is provided to the operator of any MS4 receiving the discharge at least two days prior to commencement of construction activities;

(g) any supporting concrete batch plant or asphalt batch plant is separate authorized for discharges of stormwater runoff or other non-stormwater discharges under an individual TPDES permit, another TPDES general permit, or under an individual TCEQ permit where stormwater and non-stormwater is disposed of by evaporation or irrigation (discharges are adjacent to water in the state); and

Automatic Authorization For All Other Small Construction Activities: Operators of small construction activities not described in Part II.E.1. above may atically authorized under this general permit, and operators of shall not be required to submit an NOI, provided that they meet all of the

(a) develop a SWP3 according to the provisions of this general permit, that overs either the entire site or all portions of the site for which the applicant the operator, and implement that plan prior to commencing construction activities (b) sign and certify a completed TCEQ small construction site notice, post the notice at the construction site in a location where it is safely and readily available or viewing by the general public, local, state, and federal authorities, prior to commencing construction, and maintain the notice in that location until completio of the construction activity (for linear construction activities, e.g. pipeline or highway, the site notice must be placed in a publicly accessible location near where construction is actively underway; notice for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and

general permit must meet all of the following conditions: (a) develop a SWP3 according to the provisions of this general permit that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities; (b) primary operators must submit an NOI, using a form provided by the executive director, at least seven (7) days prior to commencing construction activities, or if utilizing electronic submittal, prior to commencing construction activities. If an additional primary operator is added after the initial NOI is submitted, the new primary operator must submit an NOI at least seven (7) days efore assuming operational control, or if utilizing electronic NOI submittal, prior assuming operational control. If the primary operator changes after the initial NOI is submitted, the new primary operator must submit a paper NOI or an electronic NOI at least ten (10) days before assuming operational control; (c) all operators of large construction activities must post a site notice in accordance with Part III.D.2. of this permit. The site notice must be located where it is safely and readily available for viewing by the general public, loca state, and federal authorities prior to commencing construction, and must be maintained in that location until completion of the construction activity (for linea construction activities, e.g. pipeline or highway, the site notice must be placed in publicly accessible location near where construction is actively underway; notic for these linear sites may be relocated, as necessary, along the length of the project, and the notice must be safely and readily available for viewing by the general public; local, state, and federal authorities);

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(d) prior to commencing construction activities, all primary operators must (1) provide a copy of the signed NOI to the operator of any MS4 receiving the discharge and to any secondary construction operator, and (2) list in the SWP3 the names and addresses of all MS4 operators receiving a copy

(e) all persons meeting the definition of "secondary operator" in Part I of this permit are hereby notified that they are regulated under this general permit, but are not required to submit an NOI, provided that a primary operator at the site has submitted an NOI, or is required to submit an NOI, and the secondary operator has provided notification to the operator(s) of the need to obtain coverage (with records of notification available upon request). operator notified under this provision may alternatively submit an NOI under this general permit, may seek coverage under an alternative TPDES individual permit, may seek coverage under an alternative TPDES general permit if available; and (f) all secondary operators must provide a copy of the signed and certified econdary Operator construction site notice to the operator of any MS4 receiving the discharge prior to commencement of construction activities.

Waivers for Small Construction Activities: Part II.G. describes how operators of certain small construction activities may obtain a waiver from coverage. Effective Date of Coverage

a) Operators of small construction activities as described in either Part II.E.1. or I.E.2. above are authorized immediately following compliance with the applicable conditions of Part II.E.1. or II.E.2. Secondary operators of large construction activities as described in Part II.E.3. above are authorized immediately following compliance with the applicable conditions in Part II.F.3. For activities located areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer, this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule

(b) Primary operators of large construction activities as described in Part II.E.3. above are provisionally authorized seven (7) days from the date that a completed NOI is postmarked for delivery to the TCEQ, unless otherwise notified by the executive director. If electronic submission of the NOI is provided, and unless otherwise notified by the executive director, primary operators are authorized immediately following confirmation of receipt of the NOI by the TCEQ. Authorization is non- provisional when the executive director finds the NOI is administratively complete and an authorization number is issued for the activity. For activities located in areas regulated by 30 TAC Chapter 213, related to the Edwards Aquifer this authorization to discharge is separate from the requirements of the operator's responsibilities under that rule. Construction may not commence for sites regulated under 30 TAC Chapter 213 until all applicable requirements of that rule

(c) Operators are not prohibited from submitting late NOIs or posting late notices to obtain authorization under this general permit. The TCEQ reserves the right to take appropriate enforcement actions for any unpermitted activities that may have between the time construction commenced and authorization was

Notice of Change (NOC) If relevant information provided in the NOI changes, an NOC must be submitted at least 14 days before the change occurs, if possible. Where 14-day advance notice is not possible, the operator must submit an NOC within 14 days of discovery of the change. If the operator becomes aware that it failed to submit any relevant facts or submitted incorrect information in an NOI, the correct formation must be provided to the executive director in an NOC within 14 days after discovery. The NOC shall be submitted on a form provided by the executive director, or by letter if an NOC form is not available. A copy of the NOC must also be provided to the operator of any MS4 receiving the discharge, and a list must be included in the SWP3 that includes the names and addresse of all MS4 operators receiving a copy.

Information that may be included on an NOC includes, but is not limited to the following: the description of the construction project, an increase in the number of acres disturbed (for increases of one or more acres), or the operator name. A transfer of operational control from one operator to another, including a transfer of the ownership of a company, may not be included in an NOC A transfer of ownership of a company includes changes to the structure of a

company, such as changing from a partnership to a corporation or changing corporation types, so that the filing number (or charter number) that is on record n the ⊤exas Secretary of State must be changed. n NOC is not required for notifying ⊤CEQ of a decrease in the number of acres disturbed. This information must be included in the SWP3 and retained on site.

Sianatory Requirement for NO∣Forms, Notice of Termination (NOT) Forms, NOC Letters, and Construction Site Notices NOI forms. NOT forms. NOC letters. and Construction Site Notices that require a

signature must be signed according to 30 TAC § 305.44 (relating to Signatories Contents of the NO

The NOI form shall require, at a minimum, the following information: (a) the $\ensuremath{\mathsf{TPDES}}\ensuremath{\mathsf{CGP}}$ authorization number for existing authorizations under this I permit, where the operator submits an NOI to renew coverage within 90 days of the effective date of this general permit;

(b) the name, address, and telephone number of the operator filing the NOI for permit coverage; (c) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;

(d) the number of acres that will be disturbed by the applicant; confirmation that the project or site will not be located on Indian Country

confirmation that a SWP3 has been developed in accordance with this general permit, that it will be implemented prior to construction, and that it is compliant with any applicable local sediment and erosion control plans; for multiple operators who prepare a shared SWP3, the confirmation for an operator may be mited to its obligations under the SWP3 provided all obligations are confirmed by at least one operator;

(g) name of the receiving water(s); (h) the classified segment number for each classified segment that receives

discharges from the regulated construction activity (if the discharge is not directly to a classified segment, then the classified segment number of the first classified segment that those discharges reach); and (i) the name of all surface waters receiving discharges from the regulated

construction activity that are on the latest EPA-approved CWA § 303(d) List of impaired waters.

Section F. Terminating Coverage Notice of Termination (NOT) Required

Each operator that has submitted an NOI for authorization under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit. Authorization must be terminated by submitting an NOT on a form supplied by the executive director. Authorization to discharge under this general permit terminates at midnight on the day the NOT is postmarked for delivery to the TCEQ. If electronic submission of the NOT is provided, authorization to discharge under this permit terminates immediately following confirmation of receipt of the NOT by the TCEQ. Compliance with the conditions and requirements of this permit is required until an NOT is submitted The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge (with a list in the SWP3 of the names

addresses of all MS4 operators receiving a copy), within 30 days after any of the following conditions are met: (a) final stabilization has been achieved on all portions of the site that are the responsibility of the permittee; (b) a transfer of operational control has occurred (See Section II.F.4. below); or

the operator has obtained alternative authorization under an individual or general TPDES permit. Authorization to discharge under this general permit terminates immediately upon

removal of the applicable site notice. Compliance with the conditions and requirements of this permit is required until the site notice is removed. Transfer of Operational Control Coverage under this general permit is not transferable. A transfer of operational

control includes changes to the structure of a company, such as changing from a partnership to a corporation, or changing to a different corporation type such that a different filing (or charter) number is established with the Texas Secretary of When the primary operator of a large construction activity changes or operational

control is transferred, the original operator must submit an NOT within ten (10) days prior to the date that responsibility for operations terminates, and the new operator must submit an NOI at least ten (10) days prior to the transfer of operational control, in accordance with condition (a) or (b) below. A copy of the NOT must be provided to the operator of any MS4 receiving the discharge in accordance with Section II.F.1. above.

Operators of regulated construction activities who are not reguired to submit an NOI must remove the original site notice, and the new operator must post the required site notice prior to the transfer of operational control, in accordance with condition (a) or (b) below. A copy of the completed site notice must be provided the operator of any MS4 receiving the discharge, in accordance with Section

A transfer of operational control occurs when either of the following criteria is met: (a) Another operator has assumed control over all areas of the site that have not been finally stabilized; and all silt fences and other temporary erosion controls ave either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator, provided that the permitted operator has attempted to notify the new operator in writing of the requirement to obtain permit coverage Record of this notification (or attempt at notification) shall be retained by the perator in accordance with Part VI of this permit. Erosion controls that designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

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The seal appearing on this document was authorized by JASON TRAFTO

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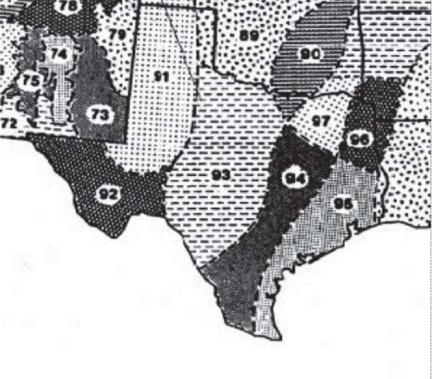
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| obtained covera or sale. The h requirements lis Under these circ the general per | sted above, including the rcumstances, the homebui | rmit for a comm a new operator development of lder is only resp apply to lot(s) | non plan of development and shall comply with the a SWP3 if necessary. onsible for compliance with it has operational control | All secondary operators and p and specifications shall: (a) ensure the project specifi developed to meet the requirer (b) ensure that the SWP3 inc control over project specificati | cations allow or provide the nents of Part III of this g icates the areas of the pr | at adequate BMPs are eneral permit; oject where they have | ins | | | k |
| discharges, and homebuilder. Section G. T The executive d | d must amend its SWP3 t Waivers from Coverage director may waive the of | o remove the lot | (s) transferred to the e requirements of this | specifications; (c) ensure that all other op specifications are notified in a their BMP s as necessary to a permit; and | erators affected by modific timely manner so that the | ations in project ose operators may mod | | | | ĸ |
| general permit f the terms and 1. Waiver A Operators of sn the requirement | for stormwater discharge conditions described in t Applicability and Coverage | s from small cor his section. s may apply for under this gene | astruction activities under and receive a waiver from ral permit, where all of | (d) ensure that the SWP3 for indicates the name and site-s with the day-to-day operation compliance with the SWP3 and day-to-day operational contro site, the person with control of | pecific TPDES authorization al control over those activi other permit conditions. has not been authorized | number(s) for operato ties necessary to ensur If the party with or has abandoned the | rs | | | ╞ |
| non— stormwate discharges are not considered (a) the calcula | | ator must insure a separate permi factor for the e | that any non—stormwater t or authorization, or are | responsible party until the auth is updated. 2. Primary Operators with Primary operators with day-to project that are necessary to | nority is transferred to ano Day-to-Day Operational C -day operational control of ensure compliance with an | ther party and the SWP ontrol those activities at a SWP3 and other permi | | | | |
| by the executive and be complet than five (5); a (c) the waive | re director, certifying that ted within a period when and er certification form is po | the construction the value of the ostmarked for de | e calculated R factor is less livery to the TCEQ at least | conditions must ensure that th (a) meets the requirements of project where they are operato (b) identifies the parties resp SWP; | f this general permit for tl rs; | nose portions of the | he | | | J |
| available, then a that a complete 2. Steps to | | ceipt of written as submitted and | confirmation from TCEQ | day—to—day activities; and (d) includes, for areas where activities, the name and site— | specific TPDES authorization | rol over day—to—day n number of the parties | | | | ╞ |
| (a) Estimate the construction end (b) Find the approximation (c) Find the period of the pract Sheet 2.1, | the construction start dat d date is the date that appropriate Erosivity Index El percentage for the pro project using the table pr | final stabilization (EI) zone in Ap oject period by a ovided in Append 03, by subtracting | will be achieved. | 3. The SWP3 may provide Section C. Deadlines for SW The SWP3 must be prepared p permit, and implemented prior soil disturbance. The SWP3 m with the terms and conditions | rior to obtaining authorizat to commencing constructio ust be prepared so that it of this general permit. | ition, and Compliance ion under this general n activities that result provides for complianc | | | |] |
| (e) Multiply the isoerodent value project. If the value is five (5) | the Isoerodent Map (Appe ent value for the propose the percent value obtained e obtained in Step (d). a value is less than 5, th 5) or more, then a waive werage under Part II.E.2. | d construction lo in Step (c) abov This is the Rfac en a waiver may r may not be ob | ve by the annual tor for the proposed be obtained. If the | Section C. Deadlines for a Compliance The SWP3 must be prepared prior implemented prior to commencing of SWP3 must be prepared so that it this general permit. | onstruction activities that result | this general permit, and in soil disturbance. The | | | | |
| Alternatively, the following online available resourc The waiver certi construction site | ne operator may calculate calculator: http://ei.to rce. tification form is not requ re. | a site-specific I mu.edu/index.ht r | nl, or using another | site is inactive or does not ho must be posted describing the readily available at the time o federal, state, or local agency | stained on—site at the consider an on—site location to location of the SWP3. The f an on—site inspection to: approving sediment and er | store the plan, a notice re SWP3 must be made the executive director rosion plans, grading | e | | | |
| Operators of sm otherwise applic date that a cor or immediately if electronic for | e Date of Waiver mall construction activities cable requirements of this impleted waiver certificatic upon receiving confirmati rm submittals are availab is Extending Beyond the N | general permit n form is postm on of approval c le. | seven (7) days from the arked for delivery to TCEQ, | 2. A primary operator of site notice near the main entr small construction activity seek | Ite storm sewer receiving of te, then it shall be made instances, it is reasonable of the request. a large construction activit ance of the construction si ing authorization under this | lischarges from the site available as soon as that the SWP3 shall be y must post the TCEQ ite. An operator of a s general permit and a | 3 | | | F |
| circumstances b (a) recalculate ending date, an certification forr period; or | on activity extends beyond beyond the control of the e the R factor using the c nd if the R factor is still m at least two (2) days chorization under this gen- | operator, the o original start date under five (5), s before the end | perator must either: and a new projected ubmit a new waiver of the original waiver | secondary operator of a large required in Part II.E.1., 2., or authorization. If the construct a pipeline or highway, the noti near where construction is act be relocated, as necessary, all readily available for viewing by authorities; and contain the fo | 3. of this general permit i ion project is a linear con ces must be placed in a p ively underway. Notices fo ong the length of the proje the general public; local, | n order to obtain struction project, such publicly accessible locati r these linear sites may act. The notices must b | as ion y | | | |
| waiver period. Section H. Al 1. Individuo | ither Part II.E.2. or Part I Iternative TPDES Permit al Permit Alternative eligible for coverage unde | t Coverage | end of the approved ermit may alternatively be | | ct name, and contact phor project; and provide the general public w | ne number; vith any right to trespa | | | | G |
| to Consolidated submitted at lea construction act 2. Individua | er an individual TPDES per l Permits). Applications to cast three hundred and the tivities to ensure timely of al Permit Required director may suspend an | for individual per airty (330) days authorization. | nit coverage should be prior to commencement of | on a construction site for any permit require that permittees construction site. | | | | | | |
| accordance with Permits for Was director provide require an operative this general per circumstances: | h the procedures set fort iste Discharges), including e written notice to the pe rator of a construction si wrmit, to apply for an ind | h in 30 TAC §2(the requirement rmittee. The ex te, otherwise elig vidual TPDES pe | 05 (relating to General that the executive ecutive director may ible for authorization under | | | | | | | |
| (b) the activity or being found surface water ir (c) any other | y being determined to ca to cause, or contribute in the state: and | use a violation c to, the loss of c 30 TA C Chapte | of water quality standards designated use of r 205 (relating to General | | | Γ | RECOR | RD DRA | WING | ן ו |
| allows the comm an individual pe to have been o commission, inc Additionally, the discharge under | mission to deny authorizo ermit if a discharger "has out of compliance with a cluding non- payment of e executive director may r this general permit bas | ation under the of been determine by rule, order, or fees assessed b cancel, revoke, o ed on a finding | eneral permit and require d by the executive director permit of the | | | т | THE CONSTRUCT ACCORDING T | RAWING REPRES TED STATE OF TO AVAILABLE IN ED TO THE EN | THIS PROJECT | · |
| general permit permit shall be (relating to Gen 3. Alternati | ance History). Denial of or suspension of a perm done according to comm neral Permits for Waste D tive Discharge Authorization elicible for authorization | ittee's authorizat nission rules in (ischarges). m | ion under this general | | | | AFTE | ONTRACTOR OR TR CONSTRUCT | OWNER | |
| be authorized u (relating to Gen Section I. | under a separate general neral Permits for Waste D Permit Expiration | permit according ischarges), if ap | to 30 TAC Chapter 205 | | | | | 4.2019 | | · |
| this permit. Foll (relating to Pub may amend, rev 2. If the e amend this gen effect for existing the permit. Upo | llowing public notice and blic Notice, Public Meeting woke, cancel, or renew the executive director publishe neral permit before the e- ing, authorized discharges on issuance of a renewec | comment, as pro is, and Public Co is general permi is a notice of the xpiration date, the until the comm or amended pe | omment), the commission t. e intent to renew or e permit will remain in ission takes final action on rmit, permittees may be | | | | | | | |
| renewed or ame for obtaining au 3. If the c 90 days before an individual pe | uthorization. commission does not pro the expiration date, peri ermit or an alternative ge | permit provides pose to reissue mittees shall app meral permit. If | for an alternative method this general permit within ly for authorization under the application for an | | | NO. REVISI | - IONS / SUBMISSIONS | 6 | MM.DD.YY | I r |
| expiring general individual permit under the gener | it is submitted before the I permit remains in effec it. No new NOIs will be rral permit after the expir mwater Pollution Preve | t until the issuar accepted nor ne ation date. | nce or denial of an w authorizations honored | | | | | | | |
| of an NOI, to a general permit of and privately ow U.S., to identify expected to aff off-site materia equipment stagi | address discharges autho that will reach Waters of wned separate storm sew y and address potential s fect the quality of discha al storage areas, overburg ing areas, vehicle repair | rized under Parts the U.S., includi er systems that ources of pollutio rges from the co den and stockpile areas, fueling ar | drain to Waters of the on that are reasonably onstruction site, including us of dirt, borrow areas, as, etc., used solely by | | | | | 7075 Twin H | ills Ave | |
| that will be use in stormwater a described in Pa permit. Individual operation portion of the p site. Where the to ensure that | associated with constructi art II.A.3., in compliance project, provided referenc iere is more than one SW BMPs and controls are c | tent practicable on activity and r with the terms of op separate SWP e is made to th IP3 for a site, p ponsistent and do | the discharge of pollutants on-stormwater discharges ind conditions of this 3s that cover only their e other operators at the ermittees must coordinate o not negate or impair the | | | | lon Design Group | Eirm TV E67 | 01 | |
| developed or se responsibility of of this general has control over | eparate SWP3s are develo | ped for each op compliance with he construction specifications or | the terms and conditions site where that operator | | | JOB NAME | | IEW DOWN | S | - |
| For more effect cooperative effo must independer implement a sir | tive coordination of BMPs ort by the different opera ently obtain authorization, ngle, comprehensive SWP3 | and opportunitie tors at a site is but may work to for the entire of | encouraged. Operators ogether to prepare and | | | DRAWING TITLE | - | COLLIN COUNTY, | | E |
| the general perit the shared SWP, permit authoriza submitted to TC plan must also 2. The SWP | rmit authorization number P3. Until the TCEQ respo ation number, the SWP3 r CEQ by each operator. I sign the SWP3. P3 must clearly indicate | s, for each oper nds to receipt o nust specify the Each operator pa which operator is | ator that participates in f the NOI with a general date that the NOI was rticipating in the shared responsible for satisfying | | | | .07 SW3P G | SENERAL P | ERMIT 1 | |
| each shared red requirement is r responsible for site where they responsibilities f of a SWP3 in c | equirement of the SWP3. not described in the plar meeting the requirement y perform construction ac for meeting each requirer compliance with the CGP, | If the responsibility, then each per- within the bound tivities. The SWI nent in shared of and another ope | lity for satisfying a nittee is entirely laries of the construction 3 must clearly describe r common areas. | | | SEAI | OF TELL | FM ECKED FILENAN JT C6.01 S | | |
| Section B. | of the SWP3 at the proje Responsibilities of Oper dary Operators and Prima cifications | ators | n Control Over Construction | | | 10 | 13343 CENSED DAT | 1.14.2019 | g NO. C6.07 | А |
| | | | | | | THE SEAL APPEARING AUTHORIZED BY JASON | G ON THIS DOCUMENT WAS | OJECT NO. 2804.000 - | <u>38</u> of <u>45</u> | |

| | 3 4 | 5 6 | 7 8 9 | 10 11 | 12 13 | 14 15 | 16 | 17 |
|--|--|---|--|---|--|--|--|--------------|
| on E. Revisions and Updates to SWP3s a | areas, overburden and stockpiles of dirt, borrow areas, equipment staging areas, vehicle repair areas, fueling areas, etc., used solely by the permitted | (v) locations of construction support activities, including off—site activities, that are authorized under the permittee's NOI, including material, waste. | included in the SWP3. | permittee may be documented once in the ${\rm SWP3}$ rather than being included in each report. | precipitation that occurs at least 72 hours from the previously measurable storm event. The sample shall be collected downstream of the concrete | (d) The Comprehensive Compliance Evaluation may substitute to of the reauired inspections delineated in Part IV.B.2.(c) of this gene | | |
| s: | project. The SWP3 must describe the implementation of practices that will be used to minimize to the extent practicable the discharge of pollutants in described and a state of the section of the sectio | borrow, fill, or equipment or chemical storage areas; (vi) surface waters (including wetlands) either at, adjacent, or in close | (C) If sedimentation basins or impoundments are used, the permittee shall comply with the requirements in Part III.G.6 of this general permit. | 8. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-stormwater components of | batch plant, and where the discharge exits any BMPs utilized to handle the runoff from the batch plant, prior to commingling with any other water sutherized under this generate particle. | permit. | т ч I | |
| a change in design, construction, operation, or maintenance that has dificant effect on the discharge of pollutants and that has not been c | stormwater associated with construction activity and non-stormwater discharges described in Part II.A.3., in compliance with the terms and conditions of this permit. | proximity to the site, and also indicating those that are impaired waters; | 3. Description of Permanent Stormwater Controls A description of any measures that will be installed during the construction | the discharge, as listed in Part II.A.3. of this permit. 9. The SWP3 must include the information required in Part III.B. of this | authorized under this general permit. 2. The permittee must compare the results of sample analyses to the | Section C. Prohibition of Wastewater Discharges Wastewater discharges associated with concrete production including | | |
| ly addressed in the SWP3; nanging site conditions based on updated plans and specifications, the tagged states of | Individual operators at a site may develop separate SWP3s that cover only their portion of the project, provided reference is made to the other | (vii) locations where stormwater discharges from the site directly to a surface water body or a municipal separate storm sewer system; | process to control pollutants in stormwater discharges that may occur after construction operations have been completed must be included in the SWP3. Permittees are only responsible for the installation and maintenance of | general permit. 10. The SWP3 must include pollution prevention procedures that comply with | benchmark values above, and must include this comparison in the overall assessment of the SWP3's effectiveness. Analytical results that exceed a benchmark value are not a violation of this permit, as these values are not | wastewater disposal by land application are not authorized under thi permit. These wastewater discharges must be authorized under an | 5 | |
| erators, new areas of responsibility, and changes in BMPs; or o sults of inspections or investigations by site operators, operators of P | operators at the site. Where there is more than one SWP3 for a site, permittees must coordinate to ensure that BMPs and controls are consistent | (viii) vehicle wash areas; and (ix) designated points on the site where vehicles will exit onto paved | stormwater management measures prior to final stabilization of the site or prior to submission of an NOT. | Part III.G.4 of this general permit. | numeric effluent limitations. Results of analyses are indicators that modifications of the SWP3 should be assessed and may be necessary to | alternative TCEQ water quality permit or otherwise disposed of in an authorized manner. Discharges of concrete truck wash out at cons sites may be authorized if conducted in accordance with the require | truction | |
| ipal separate storm sewer system receiving the discharge, authorized grownel, or a federal, state or local agency approving sediment and W | and do not negate or impair the effectiveness of each other. Regardless of whether a single comprehensive SWP3 is developed or separate SWP3s are developed for each operator, it is the responsibility of each operator to | roads (for instance, this applies to construction transition from unstable dirt areas to exterior paved roads). Where the amount of information required to | Other Required Controls and BMPs Permittees shall minimize, to the extent practicable, the off-site | Section G. Erosion and Sediment Control Requirements Applicable to All Sites | protect water quality. The operator must investigate the cause for each exceedance and must document the results of this investigation in the SWP3 by the end of the guarter following the sampling event. | of Part V of this general permit. | | |
| ntly minimizing pollutants in discharges authorized under this general the ti | ensure compliance with the terms and conditions of this general permit in the areas of the construction site where that operator has control over | be included on the map would result in a single map being difficult to read and interpret, the operator shall develop a series of maps that collectively include the reauired information. | vehicle tracking of sediments and the generation of dust. The SWP3 shall include a description of controls utilized to accomplish this requirement. | Except as provided in 40 CFR §§125.30—125.32, any discharge regulated under this general permit, with the exception of sites that obtained waivers based on low rainfall erosivity, must achieve, at a minimum, the following | The operator's investigation must identify the following: | Part V. Concrete Truck Wash Out Requirements This general permit authorizes the wash out of concrete trucks at | | |
| F. Contents of SWP3 | construction plans and specifications or day—to—day operations. | (h) the location and description of support activities authorized under the | (b) The SWP3 must include a description of construction and waste materials expected to be stored on—site and a description of controls to | effluent limitations representing the degree of effluent reduction attainable by application of the best practicable control technology currently available | (a) any additional potential sources of pollution, such as spills that might have occurred, | construction sites regulated under Sections II.E.1., 2., and 3. of this permit, provided the following requirements are met. Authorization | is limited | |
| P3 must include, at a minimum, the information described in this and must comply with the construction and development effluent | Section A. Shared SWP3 Development For more effective coordination of BMPs and opportunities for cost sharing, | permittee's NOI, including asphalt plants, concrete plants, and other activities providing support to the construction site that is authorized under this aeneral permit; | minimize pollutants from these materials. (c) The SWP3 must include a description of potential pollutant sources | (BPT). 1.Erosion and sediment controls. Design, install, and maintain effective | (b) necessary revisions to good housekeeping measures that are part of the SWP3, (c) additional BMPs, including a schedule to install or | to the land disposal of wash out water from concrete trucks. Any direct discharge of concrete production waste water must be author | | |
| | a cooperative effort by the different operators at a site is encouraged. Operators must independently obtain authorization, but may work together to prepare and implement a single, comprehensive SWP3 for the entire | (i) the name of receiving waters at or near the site that may be disturbed or that may receive discharges from disturbed greas of the | from areas other than construction (such as stormwater discharges from dedicated asphalt plants and dedicated concrete batch plants), and a | erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed, and | implement the BMPs, and (d) other parts of the SWP3 that may require revisions in order to meet the goal of the benchmark values. | under a separate TCEQ general permit or individual permit. 1. Direct discharge of concrete truck wash out water to surface | | |
| description of the nature of the construction activity; | construction site. 1. The SWP3 must clearly list the name and, for large construction | (j) a copy of this TPDES general permit; | description of controls and measures that will be implemented at those sites to minimize pollutant discharges. | maintained to: (a) Control stormwater volume and velocity within the site to minimize soil | Background concentrations of specific pollutants may also be considered during the investigation. If the operator is able to relate the cause of the | in the state, including discharge to storm sewers, is prohibited by t general permit. | | |
| G. Waivers from Coverage a | activities, the general permit authorization numbers, for each operator that participates in the shared SWP3. Until the TCEQ responds to receipt of the | (k) the NOI and acknowledgement certificate for primary operators of large | (d) Permittees shall place velocity dissipation devices at discharge locations and along the length of any outfall channel (i.e., runoff | erosion; (b) If any stormwater flow will be channelized at the site, stormwater | exceedance to background concentrations, then subsequent exceedances of benchmark values for that pollutant may be resolved by referencing earlier findings in the SWP3. Background concentrations may be identified by | Concrete truck wash out water shall be discharged to areas a construction site where structural controls have been established to | prevent | |
| eral permit for stormwater discharges from small construction d | NOI with a general permit authorization number, the SWP3 must specify the date that the NOI was submitted to TCEQ by each operator. Each operator | construction sites, and the site notice for small construction sites and for secondary operators of large construction sites; | conveyance) to provide a non- erosive flow velocity from the structure to a water course, so that the natural physical and biological characteristics and | controls must be designed to control both peak flowrates and total stormwater volume to minimize erosion at outlets and to minimize | laboratory analyses of samples of stormwater runon to the permitted facility, by laboratory analyses of samples of stormwater run-off from adjacent | direct discharge to surface waters, or to areas that have a minima that allow infiltration and filtering of wash out water to prevent dire discharge to surface waters. Structural controls may consist of ten | ect | |
| iver Applicability and Coverage 2 | participating in the shared plan must also sign the SWP3. 2. The SWP3 must clearly indicate which operator is responsible for articiping each cherred requirement of the SWP3. If the responsible for | stormwater and allowable non-stormwater discharge locations, including storm drain inlets on site and in the immediate vicinity of the construction site; and | functions are maintained and protected. (e) Permittees shall design and utilize appropriate controls to minimize | downstream channel and streambank erosion; (c) Minimize the amount of soil exposed during construction activity; (d) | non—industrial areas, or by identifying the pollutant is a naturally occurring material in soils at the site. | berns, temporary shallow pits, temporary storage tanks with slow ro release, or other reasonable measures to prevent runoff from the | | |
| e requirements to obtain authorization under this general permit, s | satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the | (m) locations of all pollutant-generating activities, such as paving operations; concrete, paint and stucco washout and water disposal; solid | the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site. | Minimize the disturbance of steep slopes; (e) Minimize sediment discharges from the site. The design, installation, | Section B. Best Management Practices (BMPs) and SWP3 Requirements | construction site. 3. Wash out of concrete trucks during rainfall events shall be mi | | |
| t apply to non- stormwater discharges. The operator must insure c non-stormwater discharges are either authorized under a separate c | construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or | waste storage and disposal; and dewatering operations. | (f) Permittees shall ensure that all other required controls and BMPs comply with all of the requirements of Part III.G of this general permit. | and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the | Minimum SWP3 Requirements — The following are required in addition to other SWP3 requirements listed in this general permit (including, but not | The direct discharge of concrete truck wash out water is prohibited times, and the operator shall insure that its BMPs are sufficient to the discharge of concrete truck wash out as the result of rainfall of | prevent | |
| calculated rainfall erosivity (R) factor for the entire period of the o | common areas. of a SWP3 in compliance with the CGP, and another operator is responsible | 2. A description of the BMPs that will be used to minimize pollution in runoff. | Documentation of Compliance with Approved State and Local Plans (a) Permittees must ensure that the SWP3 is consistent with | nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site; | limited to Part III.F.7. of this permit): | stormwater runoff. The discharge of wash out water must not cause or contribute | | |
| encentra submits to the TOPO a signed written contification form | for implementation of the SWP3 at the project site. | The description must identify the general timing or sequence for implementation. At a minimum, the description must include the following components: | requirements specified in applicable sediment and erosion site plans or site permits, or stormwater management site plans or site permits approved by | (f) If earth disturbance activities are located in close proximity to a surface water, provide and maintain appropriate natural buffers if feasible and as necessary, around surface waters, depending on site-specific | Description of Potential Pollutant Sources - The SWP3 must provide a description of potential sources (activities and materials) that may reasonably be expected to affect the quality of stormwater discharges | a swp3 is required to be implemented, the swp3 shall inclu | | |
| by the executive director, certifying that the construction activity will be and be completed within a period when the value of the 1 | 1. Secondary Operators and Primary Operators with Control Over | (a) General Requirements | federal, state, or local officials. (b) SWP3s must be updated as necessary to remain consistent with any | topography, sensitivity, and proximity to water bodies. Direct stormwater to vegetated areas to increase sediment removal and maximize stormwater | associated with concrete batch plants authorized under this permit. The SWP3 must describe practices that that will be used to reduce the | concrete wash out areas on the associated site map. | | |
| e waiver certification form is postmarked for delivery to the TCEO | Construction Plans and Specifications All secondary operators and primary operators with control over construction | (i) Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local topography, soil | changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or stormwater management site plans or site | infiltration. If providing buffers is infeasible, the permittee shall document the reason that natural buffers are not feasible, and shall implement | pollutants in these discharges to assure compliance with this general permit, including the protection of water quality, and must ensure the implementation of these practices. | | | |
| seven (7) days before construction activity begins or, if electronic available, then any time following the receipt of written confirmation | plans and specifications shall: (a) ensure the project specifications allow or provide that adequate BMPs | type, and rainfall. (ii) Control measures must be properly selected, installed, and | permits approved by state or local official for which the permittee receives written notice. | additional erosion and sediment controls to reduce sediment load; (g) Preserve native topsoil at the site, unless infeasible; and | implementation of these practices. The following must be developed, at a minimum, in support of developing this description: | | | |
| dged. | are developed to meet the requirements of Part III of this general permit; (b) ensure that the SWP3 indicates the areas of the project where they | maintained according to the manufacturer's or designer's specifications. (iii) Controls must be developed to minimize the offsite transport of litter, | (c) If the permittee is required to prepare a separate management plan, including but not limited to a WPAP or Contributing Zone Plan in accordance with 30 TAC Chapter 213 (related to the Edwards Aquifer), then a copy of | (h) Minimize soil compaction in post-construction pervious areas. In areas of the construction site where final vegetative stabilization will occur | this description: (a) Drainage — The site map must include the following information: | | | |
| struction site operator may calculate the R factor to request a | have control over project specifications, including the ability to make modifications in specifications; | construction debris, and construction materials. (b) Erosion Control and Stabilization Practices | that plan must be either included in the SWP3 or made readily available upon request to authorized personnel of the TCEQ. The permittee shall | or where infiltration practices will be installed, either: (1) restrict vehicle and equipment use to avoid soil compaction; or | (1) the location of all outfalls for stormwater discharges associated with concrete batch plants that are authorized under this permit; | | | |
| imate the construction start date and the construction end date. | (c) ensure that all other operators affected by modifications in project specifications are notified in a timely manner so that those operators may modify their BNP of an approximate to remain compliant with the conditions of | The SWP3 must include a description of temporary and permanent erosion control and stabilization practices for the site, compliant with the | maintain a copy of the approval letter for the plan in its SWP3. 6. Maintenance Requirements | (1) rescrict venice and equipment use to avoid soll compaction, of (2) prior to seeding or planting areas of exposed soil that have been compacted, use techniques that condition the soils to support vegetative | (2) a depiction of the drainage area and the direction of flow to the outfall(s); | | | |
| struction end date is the date that final stabilization will be the till th | modify their BMP s as necessary to remain compliant with the conditions of this general permit; and | requirements of P art III.G.1 and G.2 of this general permit, including a schedule of when the practices will be implemented. Site plans should | (a) All protective measures identified in the SWP3 must be maintained in effective operating condition. If, through inspections or other means, the | growth, if necessary and feasible; (i) TCEQ does not consider stormwater control features (e.g., stormwater | (3) structural controls used within the drainage area(s); | | | |
| | (d) ensure that the SWP3 for portions of the project where they are operators indicates the name and site-specific TPDES authorization number(s) for operators with the day-to-day operational control over those | ensure that existing vegetation is preserved where it is possible. (i) Erosion control and stabilization practices may include but are not | permittee determines that BMPs are not operating effectively, then the permittee shall perform maintenance as necessary to maintain the continued | (1) TCEQ does not consider stormwater control features (e.g., stormwater conveyance channels, storm drain inlets, sediment basins) to constitute "surface waters" for the purposes of triggering the buffer requirement in | (4) the locations of the following areas associated with concrete batch plants that are exposed to precipitation: vehicle and equipment maintenance activities (including fueling regging and storage greas for vehicles and | | | |
| and the EI percentage for the project period by adding the results a period of the project using the table provided in Appendix D of the project using the table provided in Appendix D of the project using the table provided in Appendix D of the project using the table provided in Appendix D of the project using the table provided in Appendix D of the project using the table provided in Appendix D of the project using the table provided in Appendix D of table provided provided in Appendix D of table provided prov | number(s) for operators with the day—to—day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. If the party with day—to—day operational control has not been | limitéd to: establishment of temporary or permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing | effectiveness of stormwater controls, and prior to the next rain event if feasible. If maintenance prior to the next anticipated storm event is impracticable, the reason shall be documented in the SWP3 and maintenance | Part III.G.(f) above. 2.Soil stabilization. Stabilization of disturbed areas must, at a minimum, be | activities (including fueling, repair, and storage areas for vehicles and equipment scheduled for maintenance); areas used for the treatment, storage, or disposal of wastes; liquid storage tanks; material processing and | | | |
| it, in EPA Fact Sheet 2.1, or in USDA Handbook 703, by subtracting a value from the end value to find the percent EI for the site. | authorized or has abandoned the site, the person with control over project specifications is considered to be the responsible party until the authority is | trees and vegetation, slope texturing, temporary velocity dissipation devices, flow diversion mechanisms, and other similar measures. | must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run—over, removed, | initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the | storage areas; and loading and unloading areas; and | | | |
| er to the Isoerodent Map (Appendix C of this permit) and the the annual isoerodent value for the proposed construction 2 | transferred to another party and the SWP3 is updated. 2. Primary Operators with Day—to—Day Operational Control | (ii) The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties listed in Part III.D.1 of this general permit: | or otherwise rendered ineffective must be replaced or corrected immediately upon discovery. | site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. In the context of this | (5) the locations of the following: any bag house or other dust control device(s); recycle/sedimentation pond, clarifier or other device used for the treatment of facility wastewater (including the areas that drain to the | | | |
| tiply the percent value obtained in Step (c) above by the annual a | Primary operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with an SWP3 and other | (A) the dates when major grading activities occur; | (b) If periodic inspections or other information indicates a control has been used incorrectly, is performing inadequately, or is damaged, then the | requirement, "immediately" means as soon as practicable, but no later than the end of the next work day, following the day when the earth— disturbing activities have temporarily or permanently ceased. Temporary stabilization | treatment of lacinty wastewater (including the areas that areas where major treatment device); areas with significant materials; and areas where major spills or leaks have occurred. | | | |
| If the value is less than 5, then a waiver may be obtained. If | permit conditions must ensure that the SWP3 accomplishes the following requirements: | (B) the dates when construction activities temporarily or permanently cease on a portion of the site; and | operator shall replace or modify the control as soon as practicable after making the discovery. | must be completed no more than 14 calendar days after initiation of soil stabilization measures, and final stabilization must be achieved prior to | (b) Inventory of Exposed Materials $-A$ list of materials handled at the concrete batch plant that may be exposed to stormwater and that have a | | | |
| | (a) meets the requirements of this general permit for those portions of the project where they are operators; | (C) the dates when stabilization measures are initiated. (iii) E rosion control and stabilization measures must be initiated | (c) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%. For perimeter controls such as silt fences, berms, etc., the trapped | termination of permit coverage. In arid, semi—arid, and drought—stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative non—vegetative stabilization measures must be | potential to affect the quality of stormwater discharges associated with concrete batch plants that are authorized under this general permit. | | | |
| rely, the operator may calculate a site—specific R factor utilizing the online calculator: http://ei.tamu.edu/index.html , or using another ir resource. | (b) identifies the parties responsible for implementation of BMPs described in the SWP; | immediately in portions of the site where construction activities have temporarily ceased and will not resume for a period exceeding 14 calendar | 50%. For perimeter controls such as silt fences, berms, etc., the trapped sediment must be removed before it reaches 50% of the above—ground height. | employed as soon as practicable. Refer to Part III.F.2.(b) for complete erosion control and stabilization practice | (c) Spills and Leaks – \bf{A} list of significant spills and leaks of toxic or hazardous pollutants that occurred in areas exposed to stormwater and | | | |
| ver certification form is not required to be posted at the small | (c) indicates areas of the project where they have operational control over day-to-day activities; and | days. Stabilization measures that provide a protective cover must be initiated immediately in portions of the site where construction activities have | (d) If sediment escapes the site, accumulations must be removed at a frequency that minimizes off-site impacts, and prior to the next rain event. | requirements. | that drain to stormwater outfalls associated with concrete batch plants authorized under this general permit must be developed, maintained, and updated as needed. | | | |
| ective Date of Waiver d | (d) includes, for areas where they have operational control over day—to—day activities, the name and site—specific TPDES authorization | permanently ceased. The term "immediately" is used to define the deadline for initiating stabilization measures. In the context of thisrequirement, "immediately" means as soon as practicable, but no later than the end of | if feasible. If the permittee does not own or operate the off-site conveyance, then the permittee shall work with the owner or operator of the | 3.Dewatering. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited, unless managed by appropriate controls. | (d) Sampling Data — A summary of existing stormwater discharge | | | |
| e applicable requirements of this general permit seven (7) days from a | number of the parties with control over project specifications, including the ability to make modifications in specifications. | the next work day, following the day when the earth—disturbing activities have temporarily or permanently ceased. Except as provided in (A) | property to remove the sediment. 7. Inspections of Controls | 4.Pollution prevention measures. Design, install, implement, and maintain effective pollution prevention measures to minimize the discharae of | sampling data must be maintained, if available. 2. Measures and Controls — T he SWP 3 must include a description of | | | |
| that a completed waiver certification form is postmarked for to TCEQ, or immediately upon receiving confirmation of approval of 3 ronic submittal, if electronic form submittals are available. | 3. The SWP3 may provide that one operator is responsible for preparation Section C. Deadlines for SWP3 Preparation, Implementation, and | through (D) below, these measures must be completed as soon as practicable, but no more than 14 calendar days after the initiation of soil | (a) Personnel provided by the permittee must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for | pollutants. At a minimum, such measures must be designed, installed, implemented, and maintained to: | management controls to regulate pollutants identified in the SWP3's "Description of Potential Pollutant Sources" from Part IV.B.1.(a) of this | | | |
| tivities Extending Beyond the Waiver Period | Compliance The SWP3 must be prepared prior to obtaining authorization under this | stabilization measures: (A) Where the immediate initiation of stabilization measures after | storage of materials that are exposed to precipitation, discharge locations, and structural controls for evidence of, or the potential for, pollutants | (a) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be | permit, and a schedule for implementation of the measures and controls. This must include, at a minimum: | | | |
| tances beyond the control of the operator, the operator must either: 9 | general permit, and implemented prior to obtaining automation anter this that result in soil disturbance. The SWP3 must be prepared so that it | construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable. | entering the drainage system. Personnel conducting these inspections must be knowledgeable of this general permit, familiar with the construction site, and knowledgeable of the SWP3 for the site. Sediment and erosion control | treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge; | (a) Good Housekeeping – Good housekeeping measures must be developed and implemented in the area(s) associated with concrete batch plants. | - | | |
| d ending date, and if the R factor is still under five (5), submit a p | provides for compliance with the terms and conditions of this general permit. | (B) In arid areas, semi-arid areas, or drought-stricken areas where the immediate initiation of stabilization measures after construction activity | measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be | (b) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, | (1) Operators must prevent or minimize the discharge of spilled | | RECORD DRAV | NING |
| | Section D. Plan Review and Making Plans Available | has temporarily or permanently ceased or is precluded by arid conditions, erosion control and stabilization measures must be initiated as soon as | inspected for evidence of off—site sediment tracking. Inspections must be conducted at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or areater. | | cement, aggregate (including sand or gravel), settled dust, or other significant materials from paved portions of the site that are exposed to stormwater. Measures used to minimize the presence of these materials may | | | |
| | 1. The SWP3 must be retained on—site at the construction site or, if the site is inactive or does not have an on—site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 | practicable. Where vegetative controls are not feasible due to arid conditions, the operator shall immediately install, and within 14 calendar | Where sites have been finally or temporarily stabilized or where runoff is | (c) Minimize the discharge of pollutants from spills and leaks, and implement chemical spill and leak prevention and response procedures. | include regular sweeping or other equivalent practices. These practices must be conducted at a frequency that is determined based on | 1, | THIS DRAWING REPRESEN THE CONSTRUCTED STATE OF TH | |
| | must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment | days of a temporary or permanent cessation of work in any portion of the site complete, non-vegetative erosion controls. If non-vegetative controls are not feasible, the operator shall install temporary sediment controls as | unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), inspections must be conducted at least once every month. In arid, semi-arid, or drought-stricken areas, inspections must be | 5.Prohibited discharge s. The following discharges are prohibited: (a) Wastewater from wash out of concrete trucks, unless managed by an | consideration of the amount of industrial activity occurring in the area and frequency of precipitation, and shall occur at least once per week when cement or aggregate is being handled or otherwise processed in the area. | | ACCORDING TO AVAILABLE INFO | ORMATION |
| aividual Permit Alternative g | and erosion plans, grading plans, or stormwater management plans; local government officials; and the operator of a municipal separate storm sewer | required in Paragraph (C) below. | conducted at least once every month and within 24 hours after the end of a storm event of 0.5 inches or greater. The SWP3 must also contain a | appropriate control (see Part V of the general permit); (b) Wastewater from wash out and cleanout of stucco, paint, form release | (2) Operators must prevent the exposure of fine granular solids, such | | FURNISHED TO THE ENGIN | |
| vely be authorized under an individual TPDES permit according to 30 s | receiving discharges from the site. If the SWP3 is retained off—site, then it shall be made available as soon as reasonably possible. In most instances, it is reasonable that the SWP3 shall be made available within 24 hours of | (C) In areas where temporary stabilization measures are infeasible, the operator may alternatively utilize temporary perimeter controls. The operator must document in the SWP3 the reason why stabilization measures are not | record of the total rainfall measured, as well as the approximate beginning and ending dates of winter or drought conditions resulting in monthly frequency of inspections. | oils, curing compounds and other construction materials; (c) Fuels, oils, or other pollutants used in vehicle and equipment operation | as cement, to stormwater. Where practicable, these materials must be stored in enclosed silos, hoppers or buildings, in covered areas, or under coverina. | | BY THE CONTRACTOR OR C AFTER CONSTRUCTION | N |
| | A primary operator of a large construction activity must post the | feasible, and must demonstrate that the perimeter controls will retain sediment on site to the extent practicable. The operator must continue to | As an alternative to the above-described inspection schedule of once every 14 calendar days and within 24 hours of a storm event of 0.5 inches or | and maintenance; and | (b) Spill Prevention and Response Procedures — Areas where potential spills that can contribute pollutants to stormwater runoff, and the drainage | | | |
| ation. T | TCEQ site notice near the main entrance of the construction site. An operator of a small construction activity seeking authorization under this | inspect the BMPs at the frequency established in Section III.F.7.(a) for unstabilized sites. | greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative | (d) Soaps or solvents used in vehicle and equipment washing. 6.Surface outlets. When discharging from basins and impoundments, utilize | areas from these locations, must be identified in the SWP3. Where appropriate, the SWP3 must specify material handling procedures, storage | | BY: Jason rafter | <u> </u> |
| cutive director may suspend an authorization or deny an NOI in | general permit and a secondary operator of a large construction activity must post the TCEQ site notice required in Part II.E.1., 2., or 3. of this | (D) If the initiation or completion of vegetative stabilization is affected by circumstances beyond the control of the permittee, vegetative stabilization | schedule is developed, then the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection. | outlet structures that withdraw water from the surface, unless infeasible. Part IV. Stormwater Runoff from Concrete Batch Plants | requirements, and use of equipment. Procedures for cleaning up spills must be identified in the SWP3 and made available to the appropriate personnel. | | DATE: 11.14.2019 | |
| Permits for Waste Discharges), including the requirement that the | general permit in order to obtain authorization. If the construction project is a linear construction project, such as a pipeline or highway, the notices must be placed in a publicly accessible location near where construction is | must be initiated or completed as soon as conditions or circumstances allow it on the site. The requirement to initiate stabilization is triggered as soon as it is known with reasonable certainty that work will be stopped for | The inspections may occur on either schedule provided that the SWP3 reflects the current schedule and that any changes to the schedule are | Discharges of stormwater runoff from concrete batch plants at regulated | (c) Inspections — Qualified facility personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the | L | / | Ki Z |
| orization under this general permit, to apply for an individual TPDES n | actively underway. Notices for these linear sites may be relocated, as necessary, along the length of the project. The notices must be readily | 14 or more additional calendar days. (iv) Final stabilization must be achieved prior to termination of permit | conducted in accordance with the following provisions: the schedule may be changed a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for | permit provided that the following requirements are met for concrete batch | SWP3 related to the concrete batch plant(s) for the site) must be identified to inspect designated equipment and areas of the facility specified in the SWP3. The inspection frequency must be specified in the SWP3 based upon a | | | |
| | available for viewing by the general public; local, state, and federal authorities; and contain the following information: | coverage. | the schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season). | plant(s) authorized under this permit. If discharges of stormwater runoff from concrete batch plants are not covered under this general permit, then discharges must be authorized under an alternative general permit or | consideration of the level of concrete production at the facility, but must be a minimum of once per month while the facility is in operation. The | | | |
| activity being determined to cause a violation of water quality a | (a) the site-specific TPDES authorization number for the project if assigned; | (v) TCEQ does not expect that temporary or permanent stabilization measures to be applied to areas that are intended to be left un-vegetated or un- stabilized following construction (e.g., dirt access roads, utility pole | (b) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel | individual permit. This permit does not authorize the discharge or land disposal of any wastewater from concrete batch plants at regulated | inspection must take place while the facility is in operation and must, at a minimum, include all areas that are exposed to stormwater at the site, | | | |
| | (b) the operator name, contact name, and contact phone number; (c) a brief description of the project; and | pads, areas being used for storage of vehicles, equipment, or materials). (c) Sediment Control Practices | iong, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.7.(a) above. Inspection of these areas could require that vehicles compromise temporarily | construction sites. Authorization for these wastes must be obtained under an individual permit or an alternative general permit. | including material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, truck wash down and equipment cleaning areas. Follow—up procedures must be used to ensure that | | | |
| y other consideration defined in 30 TAC Chapter 205 (relating to Permits for Waste Discharges) including 30 TAC Chapter | (d) the location of the SWP3. | The SWP3 must include a description of any sediment control practices used | or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls | Section A. Benchmark Sampling Requirements | appropriate actions are taken in response to the inspections. Records of inspections must be maintained and be made readily available for inspection | | | |
| | 3. This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site: nor does this permit require that permittees allow members of the | to remove eroded soils from stormwater runoff, including the general timing or sequence for implementation of controls. | must be inspected at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater, but representative inspections may be performed. For representative inspections, | Operators of concrete batch plants authorized under this general permit shall sample the stormwater runoff from the concrete batch plants according to the requirements of this section of this general permit, and | upon request. (d) Employee Training — An employee training program must be | NO. | REVISIONS / SUBMISSIONS | |
| so by the exceditive director to have been out of compliance with | site; nor does this permit require that permittees dilow members of the general public access to a construction site. | (i) Sites With Drainage Areas of Ten or More Acres(A) Sedimentation Basin(s) | personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed | must conduct evaluations on the effectiveness of the SWP3 based on the following benchmark monitoring values: | developed to educate personnel responsible for implementing any component of the SWP3, or personnel otherwise responsible for stormwater | | | |
| lly, the executive director may cancel, revoke, or suspend | Section E. Revisions and Updates to SWP3s The permittee must revise or update the SWP3 whenever the following | (1) A sedimentation basin is required, where feasible, for a common drainage location | right—of—way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.7.(a) above. The conditions of the controls glong each inspected 0.25 mile portion may be | Table 1. Benchmark Parameters | pollution prevention, with the provisions of the SWP3. The frequency of training must be documented in the SWP3, and at a minimum, must consist of one training prior to the initiation of operation of the concrete batch | | | |
| and significant noncompliance with the provisions of this general o elating to 30 TAC §60.3 (Use of Compliance History). Denial of <u>1</u> | a change in design, construction, operation, or maintenance that has | that serves an area with ten (10) or more acres disturbed at one time. A sedimentation basin may be temporary or permanent, and must | conditions of the controls along each inspected 0.25 mile portion may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile portion to either the end of the | Benchmark ParameterBenchmark ValueSampling Frequency SampleTypeOil and Grease15 mg/L1/quarter (*1) (*2) Grab | plant. (e) Record Keeping and Internal Reporting Procedures – A description | | | |
| tion to discharge under this general permit or suspension of a discharge under this general permit shall be done according discrete the second statement of the second sec | a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3; | provide sufficient storage to contain a calculated volume of runoff from a 2—year, 24—hour storm from each disturbed acre drained. When | next 0.25 mile inspected portion, or to the end of the project, whichever occurs first. | (*3) | of spills and similar incidents, plus additional information that is obtained regarding the quality and quantity of stormwater discharges, must be | | | |
| | 2. changing site conditions based on updated plans and specifications, new operators, new areas of responsibility, and changes in BMPs; or | calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone permanent | As an alternative to the above-described inspection schedule of once every 14 calendar days and within 24 hours of a storm event of 0.5 inches or | pH 6.0-9.0 Standard | included in the SWP3. Inspection and maintenance activities must be documented and records of those inspection and maintenance activities must | | | |
| rnative Discharge Authorization 3 | results of inspections or investigations by site operators, operators of a municipal separate storm sewer system receiving the discharge, authorized | areas that are either undisturbed or have already undergone permanent stabilization, if these flows are diverted around both the disturbed areas of the site and the sediment basin. Capacity calculations shall be included in | greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative | Units 1/quarter (*1) (*2) Grab (*3) Total Iron 1.3 mg/L 1/quarter (*1) (*2) Grab (*3) | be incorporated in the SWP3. (f) Management of Runoff — The SWP3 shall contain a narrative | | 5 Ion 7075 Twir Suite 350 | in Hills Ave |
| ely be authorized under a separate general permit according to 30 T oter 205 (relating to General Permits for Waste Discharges), if e | TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or | the SWP3. | schedule is developed, the inspection must occur regardless of whether or not there has been a rainfall event since the previous inspection. The inspections may occur on either schedule provided that the SWP3 reflects | (*1) When discharge occurs. Sampling is required within the first 30 | consideration for reducing the volume of runoff from concrete batch plants by diverting runoff or otherwise managing runoff, including use of infiltration, | | | 0 |
| P | significantly minimizing pollutants in discharges authorized under this general permit. | (2) Where rainfall data is not available or a calculation cannot be performed, the sedimentation basin must provide at least 3,600 cubic feet | the current schedule and that any changes to the schedule are conducted in accordance with the following provisions: the schedule may be changed | minutes of discharge. If it is not practicable to take the sample, or to complete the sampling, within the first 30 minutes, sampling must be | detention ponds, retention ponds, or reusing of runoff. 3. Comprehensive Compliance Evaluation — At least once per year, one or more qualified percental (i.e. a percent or percent with knowledge of | | Design Dallas, Te | exas 75231 |
| is general permit is effective for a term not to exceed five (5) | Section F. Contents of SWP3 The SWP3 must include at a minimum the information described in this | of storage per acre drained until final stabilization of the site. (3) If a sedimentation basin is not feasible, then the permittee shall | a maximum of one time each month, the schedule change must be implemented at the beginning of a calendar month, and the reason for the | completed within the first hour of discharge. If sampling is not completed within the first 30 minutes of discharge, the reason must be documented and attached to all required reports and records of the sampling activity. | or more qualified personnel (i.e., a person or persons with knowledge of this general permit, the concrete batch plant, and the SWP3 related to the concrete batch plant(s) for the site) shall conduct a compliance evaluation | | Group Firm TX F | 6701 |
| (1) of this permit. Following public notice and comment, as | The SWP3 must include, at a minimum, the information described in this section and must comply with the construction and development effluent guidelines in Part III, Section G of the general permit. | provide equivalent control measures until final stabilization of the site. In determining whether installing a sediment basin is feasible, the permittee | schedule change must be documented in the SWP3 (e.g., end of "dry" season and beginning of "wet" season). | (*2) Sampling must be conducted at least once during each of the following periods. | of the plant. The evaluation must include the following. | | 214.370.3 | 3470 Ph |
| by 30 TA C §205.3 (relating to Public Notice, Public Meetings, and ⁹ mment), the commission may amend, revoke, cancel, or renew this 1 ermit. | 1. A site or project description, which includes the following information: | may consider factors such as site soils, slope, available area, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, | (c) 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 | Tollowing periods. The first sample must be collected during the first full quarter that a stormwater discharge occurs from a concrete batch plant authorized under | (a) Visual examination of all areas draining stormwater associated with regulated concrete batch plants for evidence of, or the potential for, pollutants entering the drainage system. These include but are not limited | | | |
| he executive director publishes a notice of the intent to renew or his general permit before the expiration date, the permit will remain | (a) a description of the nature of the construction activity;(b) a list of potential pollutants and their sources; | geotechnical factors, depth to groundwater, and other similar considerations. The permittee shall document the reason that the sediment basins are not feasible, and shall utilize equivalent control measures, which may include | soon as access is practicable. (d) The SWP3 must be modified based on the results of inspections, as | this general permit. | to: cleaning areas, material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, and truck wash down | JOB NAMI | LAKEVIEW DOW | /NS |
| for | (c) a description of the intended schedule or sequence of activities that will disturb soils for major portions of the site, including estimated start | a series of smaller sediment basins (4) Unless infeasible, when discharging from sedimentation basins and | necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an | January through March April through June | and equipment cleaning areas. Measures implemented to reduce pollutants in runoff (including structural controls and implementation of management practices) must be evaluated to determine if they are effective and if they | | EQUISTRIAN ESTAT | TES |
| it. Upon issuance of a renewed or amended permit, permittees may ded to submit an NOI within 90 days following the effective date of | dates and duration of activities; (d) the total number of acres of the entire property and the total number | impoundments, the permittee shall utilize outlet structures that withdraw water from the surface. | implementation schedule must be described in the SWP3 and wherever possible those changes implemented before the next storm event. If | July through September October through December | practices) must be evaluated to determine if they are effective and if they are implemented in accordance with the terms of this permit and with the permittee's SWP3. The operator shall conduct a visual inspection of | | CITY OF LUCAS, COLLIN COUNT | Y, TEXAS |
| wed or amended permit, unless that permit provides for an o e method for obtaining authorization. | of acres where construction activities will occur, including off—site material storage areas, overburden and stockpiles of dirt, and borrow areas that are | (B) Perimeter Controls: At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope | implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable. | For projects lasting less than one full quarter, a minimum of one sample shall be collected, provided that a stormwater discharge occurred at least | equipment needed to implement the ${\rm SWP3}$, such as spill response equipment. | DRAWING | | |
|) days before the expiration date, permittees shall apply for | authorized under the permittee's NOI; | boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by individual site conditions. | (e) A report summarizing the scope of the inspection, the date(s) of the inspection, and major observations relating to the implementation of the | once following submission of the NOI or following the date that automatic authorization was obtained under Section II.E.2., and prior to terminating | (b) Based on the results of the evaluation, the following must be revised as appropriate within two weeks of the evaluation: the description of potential pollutant sources identified in the SWP3 (as required in Part | | C6.08 SW3P GENERAL | . PERMI |
| tion under an individual permit or an alternative general permit. If cation for an individual permit is submitted before the expiration horization under this expiring general permit remains in effect until | (e) data describing the soil or the quality of any discharge from the site;(f) a map showing the general location of the site (e.g. a portion of a | (ii) Controls for Sites With Drainage Areas Less than Ten Acres:(A) Sediment traps and sediment basins may be used to control solids | SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site: locations of BMPs that need to be maintained; locations of | coverage. (*3) A grab sample shall be collected from the stormwater discharge | or potential pollutant sources identified in the SWP3 (as required in Part IV.B.1., "Description of Potential Pollutant Sources"); and pollution prevention measures and controls identified in the SWP3 (as required in Part IV.B.2., | | | |
| | city or county map); | in stormwater runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment | from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed. | resulting from a storm event that is at least 0.1 inches of measured | measures and controls identified in the SWPS (as required in Part 19.8.2., "Measures and Controls"). The revisions may include a schedule for implementing the necessary changes. | SEAI | DRAWN SCAL | LL |
| n date. Stormwater Pollution Prevention Plans (SWP3) | (g) a detailed site map (or maps) indicating the following: (i) drainage patterns and approximate slopes anticipated after major | controls are required for all down slope boundaries of the construction area, and for those side slope boundaries deemed appropriate as dictated by | Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of | | (c) The permittee shall prepare and include in the SWP3 a report summarizing the scope of the evaluation, the personnel making the | | CHECKED FILE | ENAME |
| ated construction site operators shall prepare an SWP3, prior to of an NOI, to address discharges authorized under Parts II.E.2. | grading activities; (ii) areas where soil disturbance will occur; | individual site conditions. (B) Alternatively, a sediment basin that provides storage for a | non—compliance. Where a report does not identify any incidents of non—compliance, the report must contain a certification that the facility or | | evaluation, the date(s) of the evaluation, major observations relating to the implementation of the SWP3, and actions taken in response to the findings | | | 01 SW3P.dwg |
| 3.3. of this general permit that will reach Waters of the U.S., discharges to MS4s and privately owned separate storm sewer | (iii) locations of all controls and buffers, either planned or in place; (iv) locations where temporary or permanent stabilization practices are | calculated volume of runoff from a 2—year, 24—hour storm from each disturbed acre drained may be utilized. Where rainfall data is not available or a calculation cannot be performed, a temporary or permanent sediment | site is in compliance with the SWP3 and this permit. The report must be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports) | | of the evaluation. The report must identify any incidents of noncompliance. Where the report does not identify incidences of noncompliance, the report must contain a statement that the evaluation did not identify any | | JASON TRAFTON REVIEWED DRAI | AWING NO. |
| that drain to Waters of the U.S., to identify and address potential of pollution that are reasonably expected to affect the quality of ges from the construction site, including off—site material storage | (iv) locations where temporary or permanent stabilization practices are expected to be used; | or a calculation cannot be performed, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained may be provided. If a calculation is performed, then the calculation shall be | (relating to Signatories to Reports). The names and qualifications of personnel making the inspections for the | | must contain a statement that the evaluation did not identify any incidence(s), and the report must be signed according to 30 TAC §305.128, relating to Signatories to Reports. | | CENSE DATE | C6.08 |
| , and the stand s | | · · · · · · · · · · · · · · · · · · · | | | | | 11.14.2019 | |
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| | | | | | | | APPEARING ON THIS DOCUMENT WAS DBY JASON TRAFTON, P.E. NO. 113343 ON 11.14.2019. 2804.000 | _39 of |

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| _ | | of three (3) years by Part II.E.3. For shall be retained f | t retain the following from the date that or activities in which a or a minimum period ator terminates cover nclude: | records for a minimum period a NOT is submitted as required in NOT is not required, records of three (3) years from the rage under Section II.F.3. of this | Periods of Lov Eligible Date F s Andrews: Nov Archer: Dec. Armstrong: N | v. 15 – Apr. 30 15 – Feb. 14 Nov. 15 – Apr. 30 | | Apper | ndix C: Isoe | rodent Ma |
| J | | of the construction 3. All data used coverage under thi 4. All records of any MS4 receiving large construction | i site notice; to complete the NOI s general permit; and f submittal of forms the discharge and to | submitted to the operator of the secondary operator of a | Nov. 15 – Ma Baylor: Dec. Borden: Nov. Brewster: Nov. Briscoe: Nov. Brown: Dec. | 1 — Apr. 30, or ay 14 15 — Feb. 14 . 15 — Apr. 30 ov. 15 — Apr. 30 . 15 — Apr. 30 15 — Feb. 14 ec. 15 — Feb. 14 | | 10 | | |
| | | 1. The permittee Failure to comply and statutes under enforcement action under this general and obtain an indi | has a duty to comp with any permit condi which it was issued, for terminating, rev permit, or for requiri vidual TPDES permit. | oly with all permit conditions. ition is a violation of the permi | t Castro: Nov. Childress: De Cochran: Nov Nov. 15 – Mo Coke: Dec. 1 Coleman: Dec | • | ~ | 20 34 | | |
|] | | the permittee does furnish to the exec time, any informat whether cause exis authorization under | not stay any permit cutive director, upon ion necessary for the sts for revoking, susp this permit. Additio | Inticipated non-compliance by condition. The permittee must request and within a reasonable executive director to determine ending, or terminating nally, the permittee must request, copies of all records | t Dec. 1 – Feb Concho: Dec. Cottle: Dec. Crane: Nov. | | U. | | oted from Chapter 2 of rr: A Guide to Conserva | |
| _ | | that the permittee general permit. 3. It is not a d that it would have activity to maintair | is required to mainto efense for a discharg been necessary to h compliance with the | ain as a condition of this per in an enforcement action alt or reduce the permitted permit conditions. | Feb. 1 — Mar Crosby: Nov. Culberson: N Dallam: Nov. Nov. 15 — Ap | r. 30 15 — Apr. 30 Iov. 1 — May 14 1 — Apr. 14, or | | (RUS Knox: Dec. | SLE), U.S. Department 15 — Feb. 14 1 — Apr. 14, or | - |
| Н | | Texas Health and 40 CFR §122.41(i) entry of a facility and regulations co is not grounds for facility or site, but appropriate rules a 5. The discharge | Safety Code \$\$361.03 . The statement in TV shall occur according ncerning safety, interr denial or restriction : merely describes the ind regulations during er is subject to admir able, under TWC Chap | ved under TWC Chapters 26-28, 52-361.033 and 361.037, and WC §26.014 that commission to an establishment's rules nal security, and fire protection of entry to any part of the e commission's duty to observe an inspection. nistrative, civil, and criminal pter 7 for violations including | Dawson: Nov. Deaf Smith: Dickens: Nov. Feb. 1 – Mar Dimmit: Dec. Donley: Jan. Dec. 1 – Feb | A. 15 — Apr. 30 Nov. 15 — Apr. 30 A. 15 — Jan. 14, or r. 30 . 15 — Feb. 14 1 — Mar. 30, or p. 28 mc. 15 — Feb. 14 | | Nov. 15 – M Lubbock: No Lynn: Nov. Martin: Nov. Mason: Dec Maverick: Do | . 1 – Apr. 30, or | Reeves: No Runnels: D Schleicher: Scurry: No Shackelford: Sherman: Stephens: Sterling: N Stonewall: |
| G | | (a) negligent 306, 307, 308, 31 implementing any s requirement impose \$\$402(a)(3) or 40 (b) knowingly certification in any be maintained under | ly or knowingly violati 8, or 405, or any co sections in a permit ad in a pretreatment 2(b)(8); 7 making any false st record or other door | ng the federal CWA §§301, 302 ondition or limitation issued under CWA §402, or any program approved under CWA atement, representation, or ument submitted or required to monitoring reports or reports | 2, Edwards: Dec El Paso: Jan May 15 — Jul. 31, or Ju Jun. 15 —Sep Oct. 14, or Ju | c. 15 – Feb. 14 n. 1 – Jul. 14, or un. 1 – Aug. 14, or ot. 14, or Jul. 1 – | | Menard: Deo Midland: No Mitchell: Nov Moore: Nov. Motley: Nov. Feb. 1 — Mo Nolan: Dec. | c. 15 - Feb. 14 nv. 15 - Apr. 30 nv. 15 - Apr. 30 . 15 - Apr. 30 . 15 - Jan. 14, or | Sutton: De Swisher: N Taylor: Dea Terrell: No |
| _ | | another person in 6. All reports ar director must be s 30 TAC §305.128 7. Authorization | imminent danger of a nd other information r signed by the person (relating to Signatorie under this general pe | e federal CWA, and placing death or serious bodily injury. requested by the executive and in the manner required by is to Reports). ermit does not convey property ot grant any exclusive privilege. | Oct. 1 – Jun. 14, or N Nov. 15 – Ju Fisher: Dec. | 15 - Feb. 14 | | Nov. 15 – A Pecos: Nov. Potter: Nov. Presidio: No Nov. 15 – N | . 15 — Apr. 30 . 15 — Apr. 30 ov. 1 — Apr. 30, or May 14 | Val Verde: Ward: Nov. Wichita: De |
| F | | The permittee prevent any discha likelihood of advers The permittee facilities and syste appurtenances) whi | e shall take all reasor rge in violation of thi sely affecting human e shall at all times pu ms of treatment and ich are installed or us | nable steps to minimize or is permit that has a reasonable health or the environment. roperly operate and maintain all | Foard: Dec. Gaines: Nov. Garza: Nov. Glasscock: N Hale: Nov. 1 Hale: Nov. 1 | — Mar. 30 | | Randall: No | v. 15 — Apr. 30 | Yoakum: N Young: De Wheeler: Ju Zavala: De |
| _ | | maintenance also i quality assurance p back—up or auxilia a permittee only w compliance with th | ncludes adequate laborocedures. This provisory facilities or similar ry facilities or similar when the operation is e conditions of the p shall comply with the | oratory controls and appropriate sion requires the operation of systems which are installed by necessary to achieve | Hardeman: D Hartley: Nov. Haskell: Dec. Hockley: Nov Nov. 15 – Ap | ov. 15 – Apr. 30 Dec. 15 – Feb. 14 . 15 – Apr. 30 . 15 – Feb. 14 . 1 – Apr. 14, or pr. 30 . 15 – Apr. 30 | | | | |
| Е | | (a) \$325 if (b) \$225 if 2. Fees are due | ust be submitted alon submitting a paper N submitting an NOI ele upon submission of | Ol, or | Hutchinson: I Irion: Dec. 1 Jeff Davis: N Nov. 15 – Ma Jones: Dec. | Nov. 1 — Apr. 30 or ay 14 15 — Feb. 14 15 — Jan. 14 or | | | | |
| _ | | The Water Quality | | ssessed for this general permit. the NOI fees as described | Kerr: Dec. 15 Kimble: Dec. King: Dec. 13 | 5 — Feb. 14 15 — Feb. 14 | | | | |
| D | | | How much land will b | be disturbed? (*1) | | | | | | |
| _ | | | (*1) | 1 or more acres (*1) | | | | | | |
| С | | | Prepa | definition of acres b "operator?" (*2) NO mit Coverage Required acres b acres b acres b | (*1) yes | | | | | |
| _ | | (| Post Subn MS4 | Site Notice int Copy of Site Notice to Operator NO | Are you a "primary operator?" (*2) res | | | | | |
| В | | | Permit Coverage Not Required, Unless Part of a Larger Common Plan of Development or Sale | Prepare a <u>Submit N</u> Post Sité Submit C Operator | Coverage Required and Implement SWP3 COI to TCEQ Notice Copy of NOI to MS4 | | | | | |
| _ | | | include the size of the large project (refer to Part I.B., " | e construction project, use the size of the entire a er common plan of development or sale, if the pro "Definitions," for an explanation of "common pl "operator," "primary operator," and "secondary | oject is part of a larger an of development or sale"). | | | | | |
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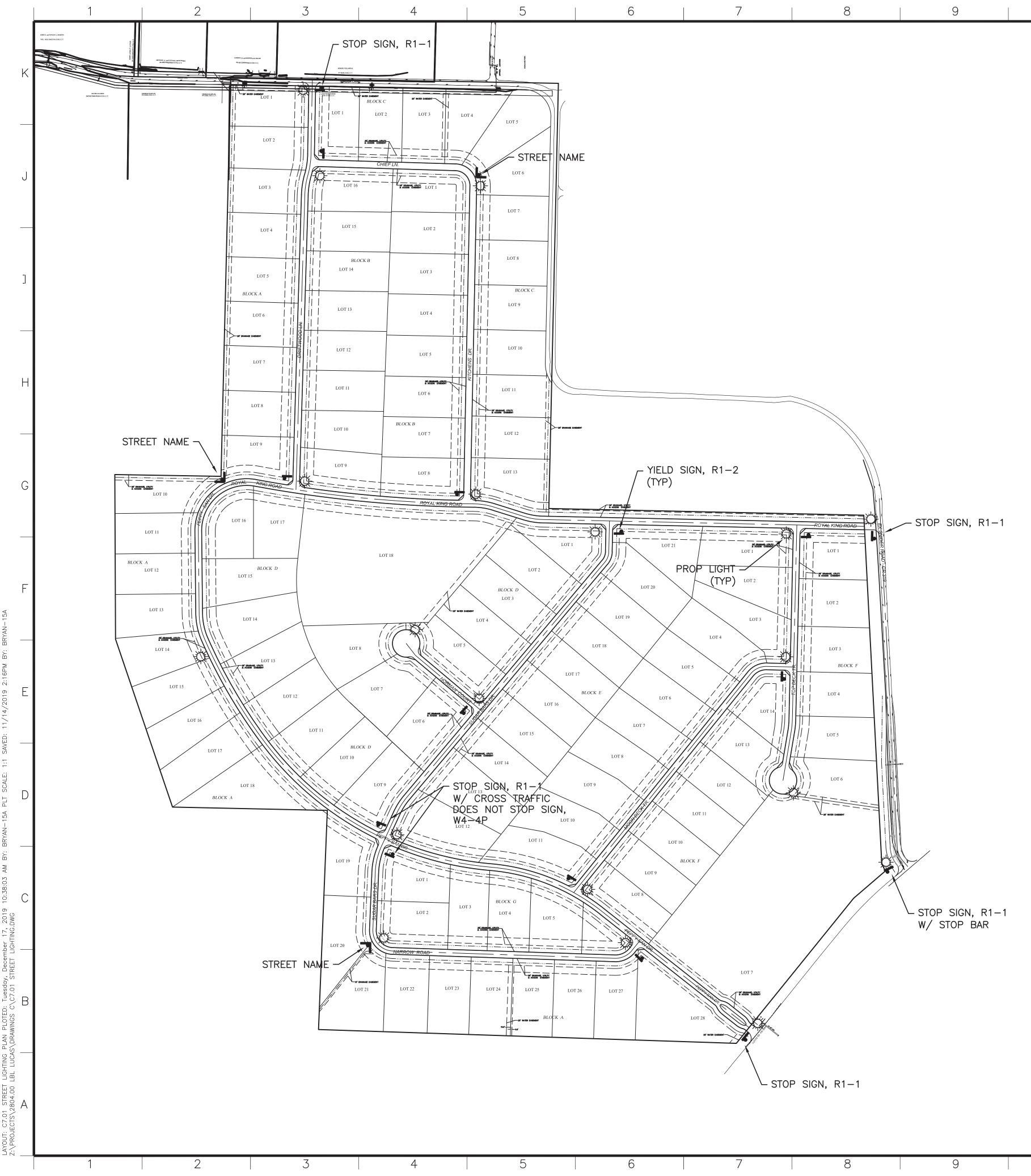
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11 12 13 14 15 © Copyright 2019 Ion Design Group, LLC. All rights reserved. The seal appearing on this document was authorized by JASON TRAFTON, P.E., on 11.14.2019 alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.



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NOTES

- 1. PROPOSED STREET LIGHTS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE CITY STANDARDS.
- 2. OWNER SHALL PROVIDE DETAILS FOR STREET LIGHTS.
- 3. STREET SIGNS SHALL BE IN ACCORDANCE WITH CITY OF LUCAS SPECIFICATIONS AND STANDARDS.
- 4. PROPOSED USE OF YIELD SIGNS ARE PER THE DIRECTION OF THE CITY OF LUCAS ONLY AND NOT PER SEALING ENGINEER'S RECOMMENDATION.

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PROP. LIGHT POLE FOUNDATION PROP. STOP / STREET SIGN

BENCHMARKS

BM #1 Top nut of fire hydrant that is approximately 17 feet West of the centerline of Driftwood Ln, and approximately 30 feet South from the center of Chief Lane. EL: 555.97 ft.

BM #2

Top nut of fire hydrant that is approximately 18 feet South of the centerline of Royal King Road, and approximately 82 feet West of the center of Kitchens Drive. EL: 547.33 ft.

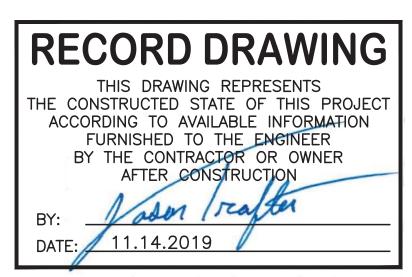
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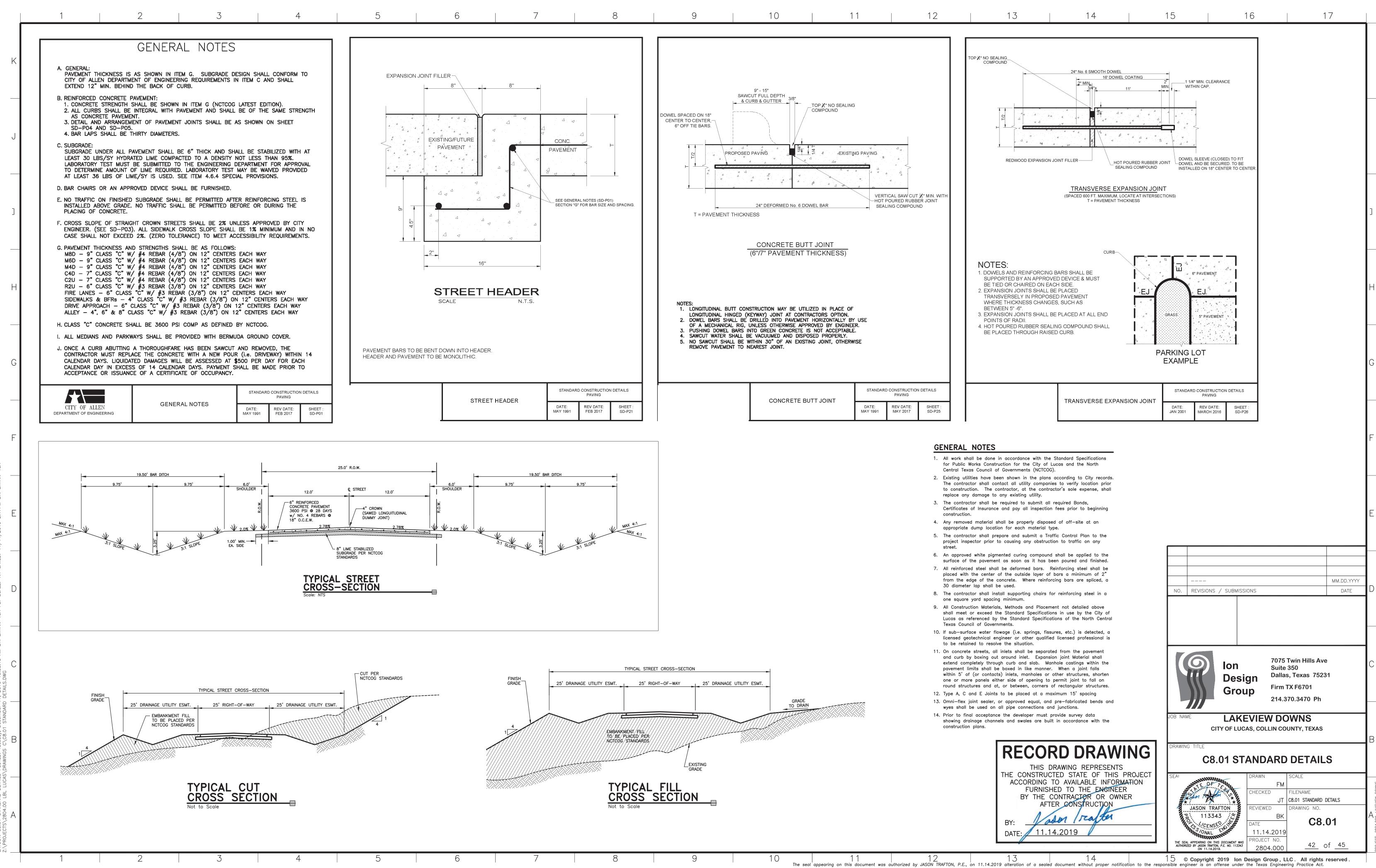
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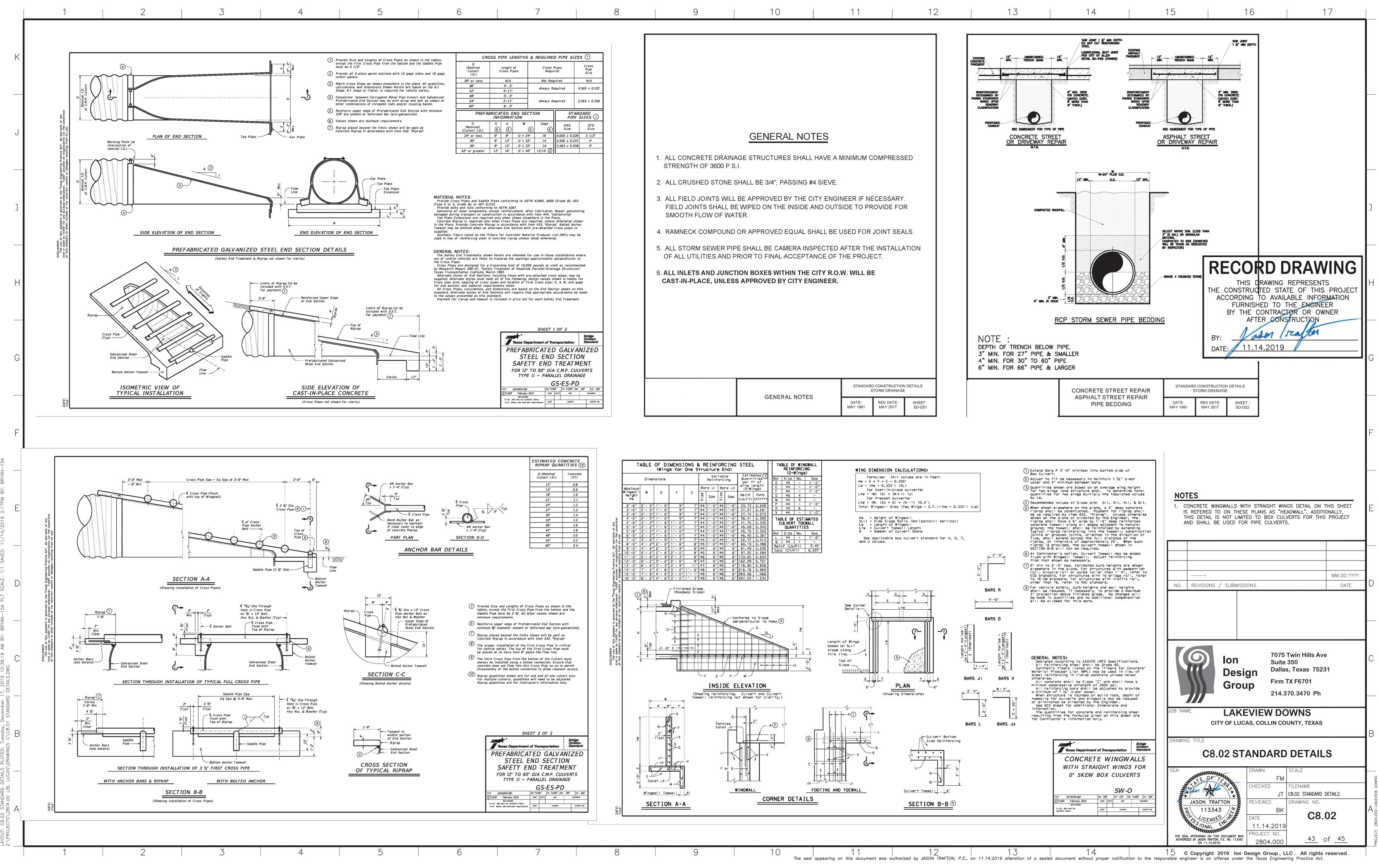
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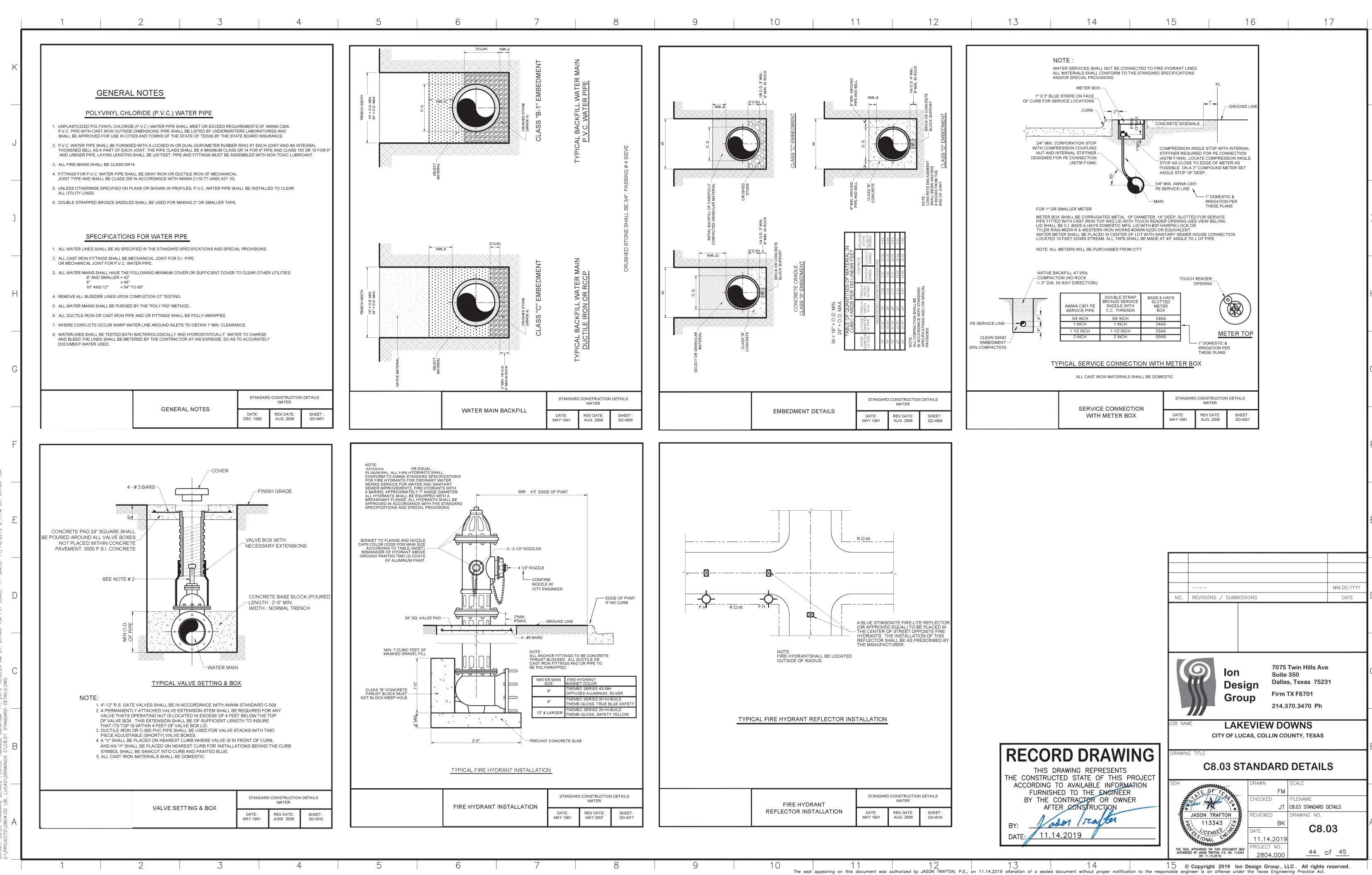
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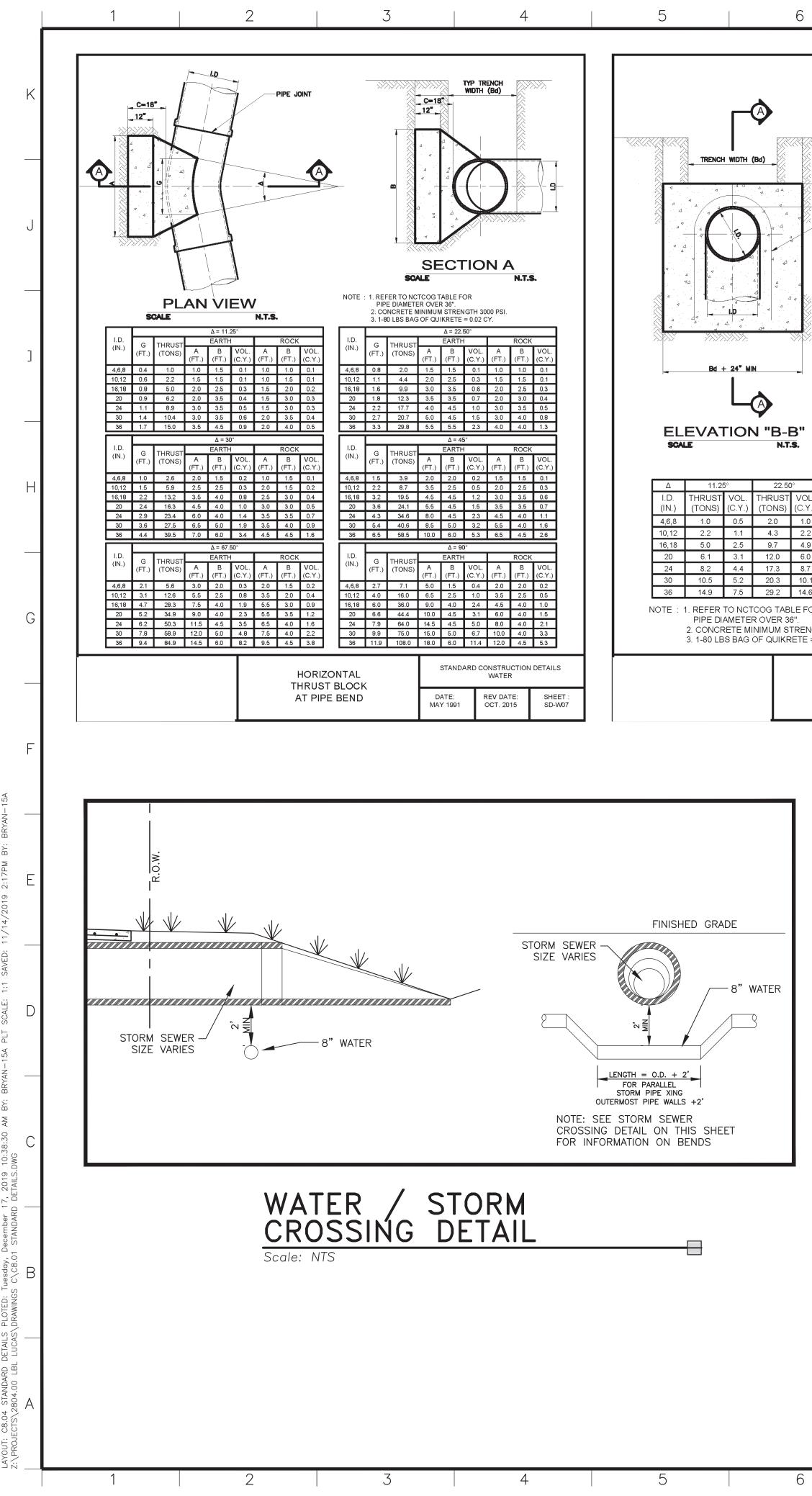




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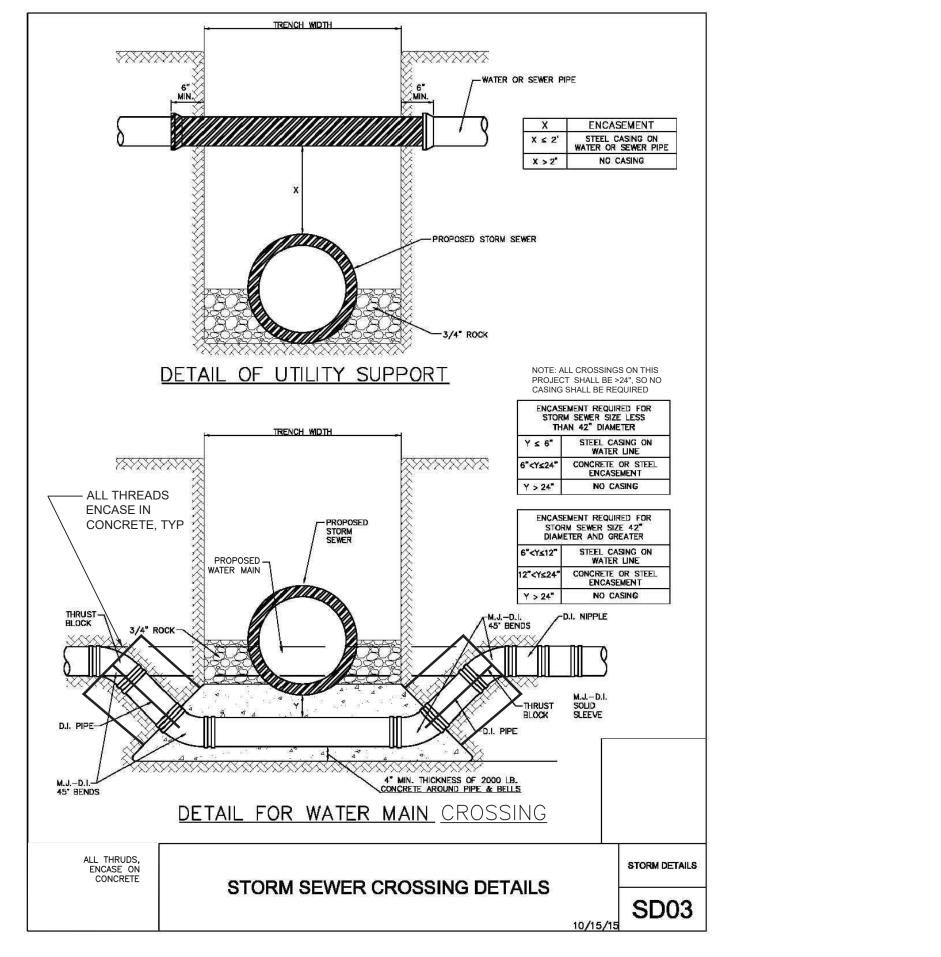
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| | Ion Design Group7075 Twin Hills Ave Suite 350 Dallas, Texas 75231Firm TX F6701 214.370.3470 Ph | С С |
| RECORD DRAWING THIS DRAWING REPRESENTS THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION | JOB NAME LAKEVIEW DOWNS CITY OF LUCAS, COLLIN COUNTY, TEXAS DRAWING TITLE C8.03 STANDARD DETAILS | B |
| FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 | FM FM FM CHECKED FILENAME JASON TRAFTON JI Bit III JI CENSEP Date DRAWING NO. BK DATE DATE III.14.2019 PROJECT NO. 2804.000 44 of 45 | |



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| SECTION "A-A" SOLL N.T.S. 1.0. C 1.10. | #4 © 12" CEN FOR PIPE GREATER THAN REINFORCING S BE AS SPEC | ITERS. SIZES I 12°. SHALL CIFIED (APPRC | RIES DX SAME AS BEND) | VERTICAL OF THRU TABULATI | . COMPONENT IST = ED VALUE | | | • | I.T.S. | | EAR | 50 | ALE | | | | ĸ | |
| SOLE N.T.S. 30° 46° 67.50° 90° 101 1.5 5.1 2.5 0.3 2.0 0.2 101 1.5 5.1 2.5 0.3 2.0 0.2 101 1.5 5.1 2.5 0.3 2.0 0.2 101 1.5 5.1 2.5 0.3 2.0 0.2 101 1.5 5.1 2.5 0.3 2.0 0.2 101 1.5 5.1 6.0 1.9 4.0 0.9 2.2 2.0 31.5 6.0 1.9 4.0 0.9 2.4 2.5 45.2 7.0 3.1 5.0 1.7 3.0 3.0 53.0 7.5 4.1 5.5 2.4 1.5 1.3 3.6 1.4 2.9 1.45 2.26 1.3 3.6 4.0 7.6 3.0 2.4 2.5 4.15 5.5 2.1 | 10 | SECTIO | | \ 11 | | | | | | | | | | | | | | |
| 30' 46' 67.50' 90' 10,12 1.5 11.3 3.5 0.6 2.5 0.3 10,12 1.5 11.3 3.5 0.6 2.5 0.3 11,18 2.0 25.5 5.5 1.6 4.0 0.9 20 2.0 31.5 6.0 1.9 4.0 0.9 20 2.5 45.2 7.0 3.1 5.0 1.7 20 2.5 45.2 7.0 3.1 5.0 1.7 30 3.0 53.0 7.5 4.1 5.5 2.4 30 3.0 53.0 7.5 4.1 5.5 2.4 30 3.0 53.0 7.5 4.1 5.5 2.4 30 3.0 53.0 7.5 4.1 5.5 2.4 30 3.0 37.5 18.8 49.0 24.5 28.5 3.1 26.5 3.1 20.0 CORCHE TO NOTICON TAL TO NOT | | | | | | | | | | | | | | | | | | |
| 30° 45° 67.50° 90° DL THRUST VOL. THRUST | | | | | | | | | | | | | | | | | | |
| D. THRUST VOL. TURUST VOL. <td< td=""><td>30°</td><td>∆5°</td><td>67 50°</td><td>ano</td><td>—</td><td></td><td></td><td>· · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | 30° | ∆ 5° | 67 50° | ano | — | | | · · · | | | | | | | | | | |
| 0 2.5 1.3 3.6 1.8 4.6 2.3 5.0 2.5 1.2 5.7 2.8 8.0 4.0 10.5 5.2 11.3 5.7 1.9 12.7 6.4 18.0 9.0 23.5 11.8 25.5 12.7 1.0 15.7 7.9 22.2 11.1 29.2 14.5 31.4 15.7 1.7 22.6 11.3 32.0 16.0 41.8 20.9 46.2 22.6 1.1 29.2 19.1 54.0 27.0 70.5 35.1 26.5 1.1 29.2 19.1 54.0 27.0 70.5 35.1 26.5 1.2 26.5 13.3 37.5 18.8 49.0 24.5 53.1 26.5 1.1 27.0 70.5 35.3 76.4 38.2 31.80 LBS BAG OF QUIKRETE = 0.02 CY. ENGTH 3000 PSI. ENGTH 3000 PSI. ENGTH 3000 PSI. HORIZONTAL THRUST BLOCK THRUST BLOCK <td rowspa<="" td=""><td>OL. THRUST</td><td>VOL. THRUST VOL.</td><td>THRUST VC</td><td>L. THRUST</td><td></td><td></td><td></td><td>· · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td> | <td>OL. THRUST</td> <td>VOL. THRUST VOL.</td> <td>THRUST VC</td> <td>L. THRUST</td> <td></td> <td></td> <td></td> <td>· · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | OL. THRUST | VOL. THRUST VOL. | THRUST VC | L. THRUST | | | | · · · | | | | | | | | | |
| 12 5.7 2.8 8.0 4.0 10.5 5.2 11.3 5.7 19 12.7 6.4 18.0 9.0 23.5 11.8 25.5 12.7 10 15.7 7.9 22.2 11.1 29.2 14.5 31.4 15.7 17 22.6 11.3 32.0 16.0 41.8 20.9 45.2 22.6 10.1 26.5 13.3 37.0 7.5 3.1 0.0 7.3 6.5 4.2 NOTE : 1.8 40.0 24.5 53.1 12.65 3.1 2.0 0.0 7.3 6.5 4.2 NOTE : 1.8 40.0 24.5 53.1 26.5 3.1 3.1 80.0 PSI. 3.1 | | | | | | | | | | | | | | | | | | |
| 19 12.7 6.4 18.0 9.0 23.5 11.8 26.5 12.7 30 15.7 7.9 22.2 11.1 29.2 14.5 31.4 15.7 37 22.6 11.3 32.0 16.0 41.8 20.9 45.2 22.6 0.1 26.5 13.3 37.5 18.8 49.0 24.5 53.1 26.5 4.6 38.2 19.1 54.0 27.0 70.5 35.3 76.4 38.2 VERTICAL THRUST BLOCK AT PIPE BEND TRINDARD CONSTRUCTION DETAILS WATER | | | 1 | | | | | | | | | | | | | | | |
| ENGTH 3000 PSI. E = 0.02 CY. VERTICAL THRUST BLOCK AT PIPE BEND STANDARD CONSTRUCTION DETAILS WATER HORIZONTAL THRUST BLOCK AT TEES AND PLUGS STANDARD CONSTRUCTION DETAILS WATER | 4.9 12.7 6.0 15.7 8.7 22.6 10.1 26.5 14.6 38.2 | 6.418.09.07.922.211.111.332.016.013.337.518.8 | 23.51129.21441.82049.024 | .8 25.5 5 31.4 .9 45.2 .5 53.1 | 12.7 15.7 22.6 26.5 | NOTE: 1. REFER TO NCTCOG TABLE FOR PIPE DIAMETER OVER 36". 2. CONCRETE MINIMUM STRENGTH 3000 PSI. | | | | | | | | | | | | |
| VERTICAL Water THRUST BLOCK THRUST BLOCK AT PIPE BEND DATE: REV DATE: SHEET: AT TEES AND PLUGS | FOR ENGTH 3000 PSI "E = 0.02 CY. | | | | | | | | | | | | | | | | | |
| AT PIPE BEND DATE: REV DATE: SHEET : AT TEES AND PLUGS DATE: REV DATE: SHEET : | | | STANDARI | | I DETAILS | | | | | | | | | | STANDARD | | DETAILS | |
| | | | | REV DATE: | | | | | | | | | S | | | | | |

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| | Ion Design Group7075 Twin Hills Ave Suite 350 Dallas, Texas 75231Firm TX F6701 214.370.3470 Ph | С |
| RECORD DRAWING REPRESENTS | IOB NAME LAKEVIEW DOWNS CITY OF LUCAS, COLLIN COUNTY, TEXAS | B |
| THE CONSTRUCTED STATE OF THIS PROJECT ACCORDING TO AVAILABLE INFORMATION FURNISHED TO THE ENGINEER BY THE CONTRACTOR OR OWNER AFTER CONSTRUCTION BY: DATE: 11.14.2019 | SEAI DRAWN SCALE FM FM JASON TRAFTON JT C8.04 STANDARD DETAILS REVIEWED DRAWING NO. BK DATE 11.14.2019 PROJECT NO. PROJECT NO. 2804.000 45 of 45 | |