











525 S. LOOP 288, SUITE 105, DENTON, TX 76205 (940) 566-5465

INTEGRATED DEFENSE PRODUCTS™
LOT 6, BLOCK B
ROCKWALL TECHNOLOGY PARK
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS
(2.508 ACRES) J.M. ALLEN SURVEY A-2

RECORD DRAWING
THIS RECORD DRAWING IS A COMPILATION OF A COPY OF THE APPROVED SEALED ENGINEERING DRAWING FOR THIS PROJECT, MODIFIED BY ADDENDUM CHANGE ORDERS AND INFORMATION PROVIDED BY THE CONTRACTOR TO THE ENGINEERING DEPARTMENT OF THE CITY OF ROCKWALL, TEXAS. THE ENGINEER HEREBY STATES THAT THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.
BY: JEREMY B. NELSON, P.E. DATE: 10/02/2023

kirkman ENGINEERING
KIRKMAN ENGINEERING, LLC
5200 STATE HIGHWAY 121 COLLETVILLE, TX 76034 TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005
ISSUE DATE: 05/19/2022

CITY OF ROCKWALL GENERAL NOTES

SHEET: C1.2

GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
October 2020
CITY OF ROCKWALL ENGINEERING DEPARTMENT
385 S. Gollad Rockwall, Texas 75087 P (972) 771-7746 F (972) 771-7748

WATER LINE NOTES
1. The CONTRACTOR shall maintain existing water service at all times during construction.
2. Proposed water lines shall be AWWA C900-16 PVC Pipe (blue in color) for all sizes, DR 14 (PC 305) for pipeline sizes 12-inch and smaller, and DR 18 (PC 235) for 14-inch and larger water pipelines unless otherwise shown on water plan and profiles sheets.
3. Proposed water line embedment shall be NCTCOG Class 'B-3' as amended by the City of Rockwall's engineering standards of design and construction manual.
4. The CONTRACTOR shall coordinate the shutting down of all water lines with the City of Rockwall Engineering Inspector and Water Department.
5. All fire hydrants and valves removed and salvaged shall be returned to the City of Rockwall Municipal Service Center.
6. Blue EMS pads shall be installed at every change in direction, valve, curb stop and service tap on the proposed water line and every 250'.
7. All water valve hardware and valve extensions, bolts, nuts and washers shall be 316 stainless steel.
8. All fire hydrants bolts, nuts and washers that are buried shall be 316 stainless steel.
9. Abandoned water lines to remain in place shall be cut and plugged and all void spaces within the abandoned line shall be filled with grout, flowable fill or an expandable permanent foam product.
10. All fire hydrants will have a minimum of 5 feet of clearance around the appurtenance including but not limited to parking spaces and landscaping.
11. All joints are to be megalug joints with thrust blocking.
12. Water and sewer mains shall be kept 10 feet apart (parallel) or when crossing 2 feet vertical clearance.
13. All domestic and irrigation services are required to have a testable backflow device with a double check valve installed per the City of Rockwall regulations at the property line and shown on plans.

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TRAFFIC CONTROL
1. All new Detouring or Traffic Control Plans are required to be submitted to the City for review and approval a minimum of 21 calendar days prior to planned day of implementation.
2. When the normal function of the roadway is suspended through closure of any portion of the right-of-way, temporary construction work zone traffic control devices shall be installed to effectively guide the motoring public through the area. Consideration for road user safety, worker safety, and the efficiency of road user flow is an integral element of every traffic control zone.
3. All traffic control plans shall be prepared and submitted to the Engineering Department in accordance with the standards identified in Part VI of the most recent edition of the TMUTCD. Lane closures will not occur on roadways without an approval from the Rockwall Engineering Department and an approved traffic control plan. Traffic control plans shall be required on all roadways as determined by the City Engineer or the designated representative.
4. All traffic control plans must be prepared, signed, and sealed by an individual that is licensed as a professional engineer in the State of Texas. All traffic control plans and copies of work zone certification must be submitted for review and approval a minimum of three (3) weeks prior to the anticipated temporary traffic control.
5. The CONTRACTOR executing the traffic control plan shall notify all affected property owners two (2) weeks prior to any the closures in writing and verbally.
6. Any deviation from an approved traffic control plan must be reviewed by the City Engineer or the designated representative. If an approved traffic control plan is not adhered to, the CONTRACTOR will first receive a verbal warning and be required to correct the problem immediately. If the deviation is not corrected, all construction work will be suspended, the lane closure will be removed, and the roadway opened to traffic.
7. All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time at the end of the workday, all temporary traffic control devices that are no longer appropriate shall be removed or covered. The first violation of this provision will result in a verbal warning to the construction foreman. Subsequent violations will result in suspension of all work at the job site for a minimum of 48 hours. All contractors working on City funded projects will be charged one working day for each 24 hour closure.
8. Lane closures on any major or minor arterial will not be permitted between the hours of 6:00 am to 9:00 am and 3:30 pm to 7:00 pm. Where lane closures are needed in a school area, they will not be permitted during peak hours of 7:00 am - 9:00 am and 3:00 pm to 5:00 pm. Closures may be adjusted according to the actual start-finish times of the actual school with approval by the City Engineer. The first violation of this provision will result in a verbal warning to the construction foreman. Subsequent violations will result in suspension of all work at the job site for a minimum of 48 hours. All contractors working on City funded projects will be charged one working day for each 24 hour closure of a roadway whether they are working or not.
9. No traffic signs shall be taken down without permission from the City.
10. No street/roadway will be allowed to be fully closed.
UTILITY LINE LOCATES
1. It is the CONTRACTOR's responsibility to notify utility companies to arrange for utility locates at least 48 hours prior to beginning construction. The completeness and accuracy of the utility data shown on the plans is not guaranteed by the design engineer or the City. The CONTRACTOR is responsible for verifying the depth and location of existing underground utilities proper to excavating, trenching, or drilling and shall be required to take any precautionary measures to protect all lines shown and/or any other underground utilities not on record or shown on the plans.
2. The CONTRACTOR shall be responsible for damages to utilities
3. The CONTRACTOR shall adjust all City of Rockwall utilities to the final grades.
4. All utilities shall be placed underground.
5. CONTRACTOR shall be responsible for the protection of all existing main lines and service lines crossed or exposed by construction operations. Where existing mains or service lines are cut, broken or damaged, the CONTRACTOR shall immediately make repairs to or replace the entire service line with same type of original construction or better. The City of Rockwall can and will require the contractor to restore service if deemed necessary and charge the CONTRACTOR for labor, equipment, material and loss of water if repairs aren't made in a timely manner by the CONTRACTOR.
6. The City of Rockwall (City utilities) is not part of the Dig Texas or Texas one Call - 811 - line locate system. All City of Rockwall utility line locates are to be scheduled with the City of Rockwall Service Center. 972-771-7730. A 48-hour advance notice is required for all non-emergency line locates.
7. Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
a. No more than 500 linear feet of trenches may be opened at one time.
b. Material used for backfilling trenches shall be properly compacted to 95% standard density in order to minimize erosion, settlement, and promote stabilization that the geotechnical engineer recommends.
c. Applicable safety regulations shall be complied with.
8. All manholes (public or private) shall be fitted with inflow prevention. The inflow prevention shall conform to the measures called out in its standard detail R-3031.
9. All manholes (public or private) shall have corrosion protection being Raven Liner 405 epoxy coating, Gunshield, or approved equal. Gunshield must have terracotta color dye mixed in the precast and cast-in-place concrete. Where connections to existing manholes are made the CONTRACTOR shall rehab manhole as necessary and install a 125 mil thick coating of Raven Liner 405 or approved equal.
10. All new or existing manholes that are to be placed in pavement shall be fitted with a sealed (gasketed) rim and cover to prevent inflow.
11. If an existing water main or trunk line is called out to be replaced in place a wastewater bypassing pump plan shall be required and submitted to the Engineering Construction Inspector and City Engineer for approval prior to implementation. Bypass pump shall be fitted with an auto dieler and conform to the City's Noise Ordinance. Plan shall be to the City sufficiently in advance of scheduled construction to allow no less than 10 business days for review and response by the City.
12. CONTRACTOR shall maintain a minimum of 4 feet of cover on all wastewater lines.

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GENERAL ITEMS
1. All construction shall conform to the requirements set forth in the City of Rockwall's Engineering Department's "Standards of Design and Construction" and the "Standard Specifications for Public Works Construction" by the North Texas Central Council of Governments, 5th edition amended by the City of Rockwall. The CONTRACTOR shall reference the latest City of Rockwall standard details provided in the Rockwall Engineering Department's "Standards of Design and Construction" manual for details not provided in these plans. The CONTRACTOR shall possess one set of the NCTCOG Standard Specifications and Details and the City of Rockwall's "Standards of Design and Construction" manual on the project site at all times.
2. Where any conflicting notes, details or specifications occur in the plans the City of Rockwall General Construction Notes, Standards, Details and Specifications shall govern unless detail or specification is more strict.
3. The City of Rockwall Engineering Department's "Standards of Design and Construction" can be found online at: http://www.rockwall.com/cnrg.asp
4. All communication between the City and the CONTRACTOR shall be through the Engineering Construction Inspector and City Engineer or designated representative only. It is the responsibility of the CONTRACTOR to contact the appropriate department for inspections that do not fall under this approved engineering plan set.
5. Prior to construction, CONTRACTOR shall have in their possession all necessary permits, plans, licenses, etc.
6. The CONTRACTOR shall have at least one original stamped and signed set of approved engineering plans and specifications on-site and in their possession at all times. A stop work order will be issued if items are not on-site. Copies of the approved plans will not be substituted for the required original "approved plans to be on-site".
7. All material submittals, concrete batch designs and shop drawings required for City review and approval shall be submitted by the CONTRACTOR to the City sufficiently in advance of scheduled construction to allow no less than 10 business days for review and response by the City.
8. All site dimensions are referenced to the face of curb or edge of pavement unless otherwise noted.
9. The City requires ten (10%) percent-two (2) year maintenance bond for paving, paving improvements, water systems, wastewater systems, storm sewer systems including detention systems, and associated fixtures and structures which are located within the right-of-ways or defined easements. The two (2) year maintenance bond is to state "from date of City acceptance" as the starting time.
10. A review of the site shall be conducted at twenty (20) minutes into the two (2) year maintenance period. The design engineer or their designated representative and the CONTRACTOR shall be present to walk the site with the City of Rockwall Engineering Inspection personnel.

EROSION CONTROL & VEGETATION
1. The CONTRACTOR or developer shall be responsible, as the entity exercising operational control, for all permitting as required by the Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ). This includes, but is not limited to, preparation of the Storm Water Pollution Prevention Plan (SWPPP), the Construction Site Notice (CSN), the Notice of Intent (NOI), the Notice of Termination (NOT) and any Notice of Change (NOC) and is required to pay all associated fees
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.
3. All erosion control devices are to be installed in accordance with the approved plans, specifications and Storm Water Pollution Prevention Plan (SWPPP) for the project. Erosion control devices shall be placed and in working order prior to start of construction. Changes are to be reviewed and approved by the design engineer and the City of Rockwall prior to implementation.
4. If the Erosion Control Plans and Storm Water Pollution Prevention Plan (SWPPP) as approved cannot appropriately control erosion for the project, the erosion control plan and/or the SWPPP shall be revised. SWPPP is required to be revised and any changes reported to the Texas Commission on Environmental Quality (TCEQ), when applicable.
5. All erosion control devices shall be inspected weekly by the CONTRACTOR and after all major rain events, or more frequently as dictated in the project Storm Water Pollution Prevention Plan (SWPPP). CONTRACTOR shall provide copies of inspector's reports to the engineering inspector after each inspection.
6. The CONTRACTOR shall not dispose of waste and any materials into streams, waterways or floodplains. The CONTRACTOR shall secure all excavation at the end of each day and dispose of all excess materials.
7. CONTRACTOR shall take all available precautions to control dust. CONTRACTOR shall control dust by sprinkling water or other means as approved by the City Engineer.
8. CONTRACTOR shall establish grass and maintain the seeded area, including watering, until a "Permanent Stand of Grass" is obtained at which time the project will be accepted by the City. A "Stand of Grass" (not winter or wet) shall consist of 75% to 80% coverage of all disturbed areas and a minimum of one-inch (1") in height as determined by the City. No bare spots will be allowed. Re-seeding will be required in all washed areas and areas that don't grow.
9. All City right-of-ways shall be sodded if disturbed. No artificial grass is allowed in any City right-of-way and/or easements.
10. All adjacent streets/alleys shall be kept clean at all times
11. CONTRACTOR shall keep construction site clean at all times, immediately contain all debris and trash, all debris and trash shall be removed at the end of each work day, and all vegetation on the construction site 10-inches or taller in height must be cut immediately.
12. Suspension of all construction activities for the project will be enforced by the City if any erosion control requirements are not met. Work may commence after deficiency has been rectified.
13. During construction of the project, all soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures. The CONTRACTOR is responsible for the temporary protection and permanent stabilization of all soil stockpiles on-site as well as borrow areas and soil intentionally transported from the project site.
14. Where construction vehicles access routes intersect paved or public roads/alleys, construction entrances shall be installed to minimize the transport of sediment by vehicle tracking onto paved surfaces. Where sediment is transferred onto paved or public surfaces, the surface shall be immediately cleaned. Sediment shall be

DEMOLITION, REMOVAL, DISPOSAL AND EXCAVATION NOTES
1. All pavements to be removed and replaced shall be saw cut to full depth along neat squared lines shown in the plans.
2. Proposed concrete pavement shall be constructed with longitudinal butt construction joints at all connections to existing concrete pavement.
3. All public concrete pavement to be removed and replaced shall be full panel replacement, 1-inch thicker and on top of 6-inch thick compacted flexbase.
4. No excess excavated material shall be deposited in low areas or along natural drainage ways without written permission from the affected property owner and the City of Rockwall. No excess excavation shall be deposited in the City Limits without a permit from the City of Rockwall. If the CONTRACTOR places excess materials in these areas without written permission, the CONTRACTOR will be responsible for all damages resulting from such fill and shall remove the material at their own cost.

PAVING AND GRADING
1. All detention systems are to be installed and verified for design compliance along with the associated storm sewer and outflow structures, prior to the start of any paving operations (including building foundations). Erosion protection shall be placed at the pond outflow structures, silt fence along the perimeter of the pond along with any of the associated erosion BMPs noted on the erosion control plan, and the sides and bottom of the detention system shall have either sod or anchored seeded turfs installed prior to any concrete placement.
2. All paving roadways, driveways, fire lanes, drive-aisles, parking, dumpster pads, etc. sections shall have a minimum thickness, strength, reinforcement, joint type, joint spacing and subgrade treatment shall at a minimum conform to the City standards of Design and Construction and table below.

Table with 5 columns: Street/Pavement Type, Minimum Thickness (inches), Strength (psi), Minimum Cement (sacks/CY), and Steel Reinforcement (Bar #, Spacing (O.C.E.W.)). Rows include Arterial, Collector, Residential, Alley, Fire Lane, Driveways, Barrier Free Ramps, Sidewalks, Parking Lot/Drive Aisles, and Dumpster Pads.

3. Reinforcing steel shall be tied (100%). Reinforcing steel shall be set on plastic chairs. Bar laps shall be minimum 30 diameters. Sawed transverse dummy joints shall be spaced every 15 feet or 1.25 times longitudinal butt joint spacing whichever is less. Sawing shall occur within 5 to 12 hours after the pour, including sealing. Otherwise, the section shall be removed and longitudinal butt joint constructed.
4. No sand shall be allowed under any paving.
5. All concrete mix design shall be submitted to the City for review and approval prior to placement.
6. Fly ash may be used in concrete pavement locations provided that the maximum cement reduction does not exceed 20% by weight per C.Y. of concrete. The fly ash replacement shall be 1.25 lbs. per 1.0 lb. cement reduction.
7. All curb and gutter shall be integral (monolithic) with the pavement.
8. All fill shall be compacted by sheep's foot roller to a minimum 95% standard proctor. Maximum loose lift for compaction shall be 8 inches. All fill lifts shall be tested for density by an independent laboratory. All laboratory compaction reports shall be submitted to the City Engineering Construction Inspector once results are received. All reports will be required prior to final acceptance.
9. All concrete compression tests and soil compaction/density tests are required to be submitted to the City's Engineering Inspector immediately upon results.
10. All proposed sidewalks shall include barrier free ramps at intersecting streets, alleys, etc. Barrier free ramps (truncated dome plate in Colonial or brick red color) shall meet current City and ADA requirements and be approved by the Texas Department of Licensing and Regulation (TDLR).
11. All public sidewalks shall be dowelled into pavement where it abuts curbs and driveways. Expansion joint material shall be used at these locations.
12. All connection of proposed concrete pavement to existing concrete pavement shall include a longitudinal butt joint as the load transfer device. All longitudinal butt joints shall be clean, straight and smooth (not jagged in appearance).
13. Cracks formed in concrete pavement shall be repaired or removed by the CONTRACTOR at the City's discretion. CONTRACTOR shall replace existing concrete curbs, sidewalk, paving, a gutters as indicated on the plans and as necessary to connect to the existing infrastructure, including any damage caused by the CONTRACTOR.
14. All residential lots will require individual grading plans submitted during the building permit process that correspond with the engineered grading and drainage area plans.
15. Approval of this plan is not an authorization to grade adjacent properties when the plans or field conditions warrant off-site grading. Written permission must be obtained and signed from the affected property owner(s) and temporary construction easements may be required. The written permission shall be provided to the City as verification of approval by the adjacent property owner(s). Violation of this requirement will result in suspension of all work at the job site until issue has been rectified.
16. All cut or fill slopes of non-paved areas shall be a maximum of 4:1 and minimum of 1:1.
17. CONTRACTOR agrees to repair any damage to property and the public right-of-way in accordance with the City Standards of Design and Construction.
18. CONTRACTOR shall protect all monuments, iron pins/rods, and property corners during construction.
19. CONTRACTOR shall ensure positive drainage so that runoff will drain by gravity flow to new or existing drainage inlets or street flow per these approved plans.

removed from the surface by shoveling or sweeping and transported to a sediment disposal area. Pavement washing shall be allowed only after sediment is removed in this manner.
15. Drainage inlets shall be protected from siltation, ineffective or unmaintained protection devices shall be immediately replaced and the inlet and storm system cleaned. Flushing is not an acceptable method of cleaning.
16. During all dewatering operations, water shall be pumped into an approved filtering device prior to discharge into a receiving outlet.

TRAFFIC CONTROL
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**LINKS CONSTRUCTION**  
BUILDING & DEVELOPING THE FUTURE

525 S. LOOP 288,  
SUITE 105  
DENTON, TX 76205  
(940) 566-5465

**INTEGRATED DEFENSE PRODUCTS TM**

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(2.508 ACRES) J.M. ALLEN SURVEY A-2

**RECORD DRAWING**

THIS RECORD DRAWING IS A COMPILATION OF A COPY OF THE APPROVED SEALED ENGINEERING DRAWING FOR THIS PROJECT, MODIFIED BY ADDENDUM CHANGE ORDERS AND INFORMATION PROVIDED BY THE CONTRACTOR TO THE ENGINEER. THE ENGINEER HAS REVIEWED THIS INFORMATION AND HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

BY: JEREMY B. NELSON, P.E. DATE: 10/20/2023

**KE kirkman ENGINEERING**

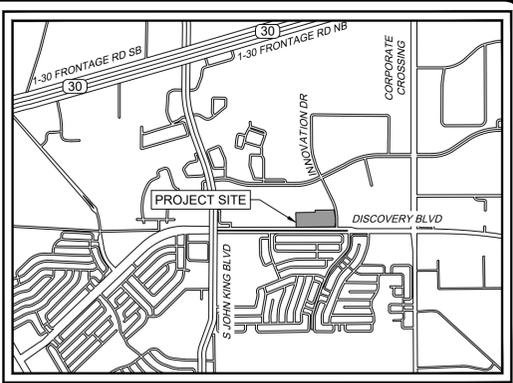
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYSVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

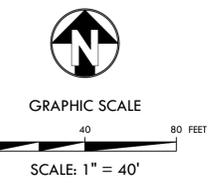
**SITE PLAN**

SHEET:  
**C3.0**

CASE NUMBER: SP2022-005



**VICINITY MAP**  
N.T.S.

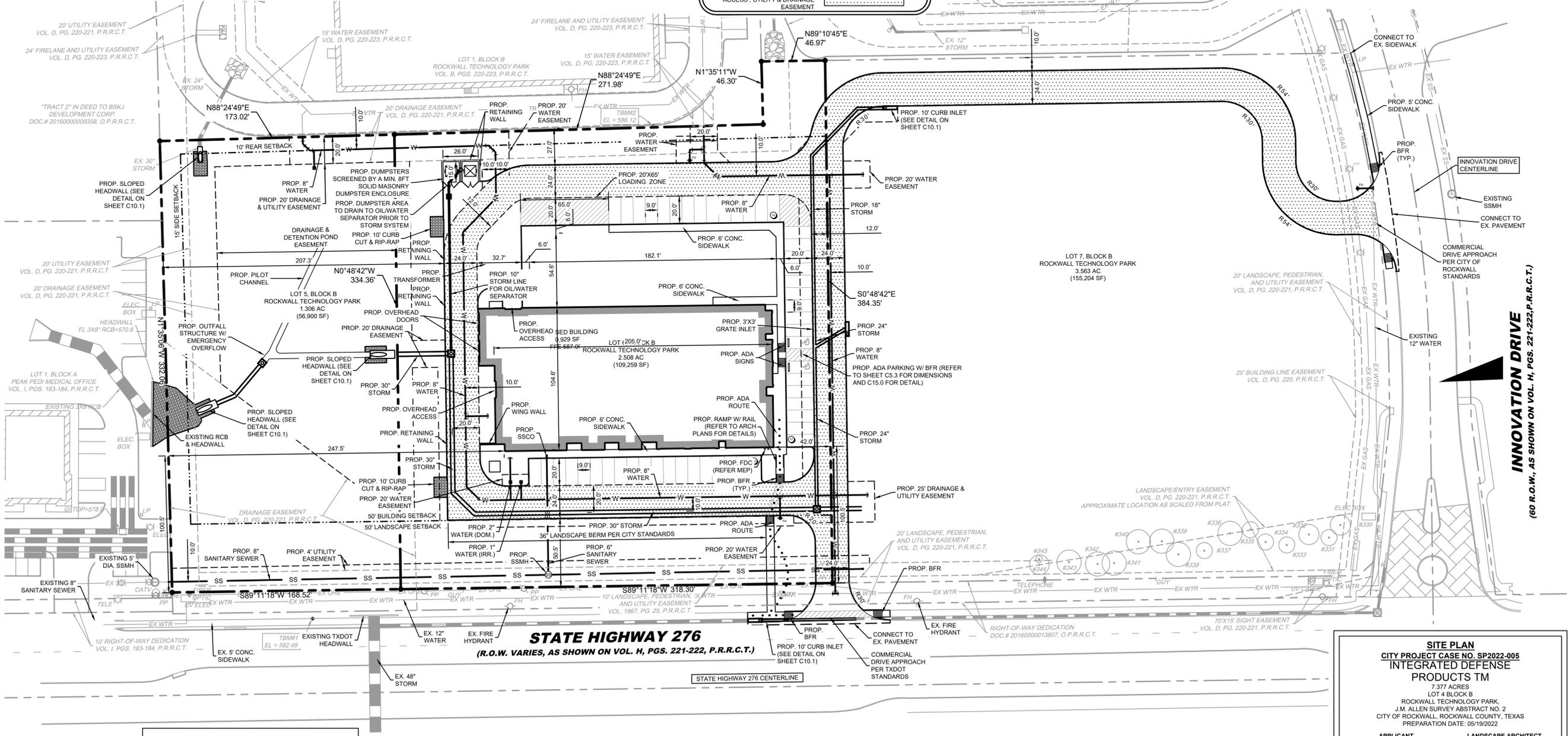
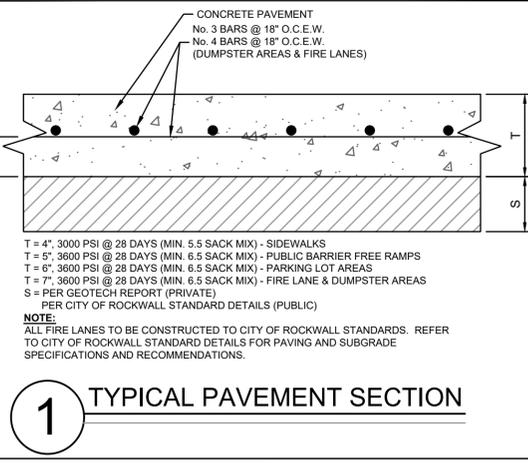


**LEGEND**

- PROPOSED SIGN
- FIRE LANE STRIPING
- EXISTING WATER
- PROPOSED WATER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED GRADE INLET
- ACCESSIBLE ROUTE
- PARKING COUNT
- PROPOSED RETAINING WALL
- PROPOSED FDC
- PROPERTY BOUNDARY
- PROPOSED FIRE LANE, PUBLIC ACCESS, UTILITY & DRAINAGE EASEMENT

**SITE DATA SUMMARY TABLE**

GENERAL SITE DATA		LOT 4
ZONING		LI - LIGHT INDUSTRIAL
LAND USE		OFFICE/WAREHOUSE
LOT AREA		109,258 SF / 2.50 AC
BUILDING FOOTPRINT AREA		20,930 SF
TOTAL BUILDING AREA		3,765 SF OFFICE 17,165 SF WAREHOUSE TOTAL 20,930 SF
BUILDING HEIGHT (# STORIES)		1
BUILDING HEIGHT		29'-8"
LOT COVERAGE		12.59%
FLOOR AREA RATIO		0.13
PARKING		OFFICE: ONE SPACE PER 300 SF WAREHOUSE: ONE SPACE PER 1000 SF
REQUIRED PARKING (# SPACES)		31
PROVIDED PARKING (# SPACES)		50
ACCESSIBLE PARKING REQUIRED (# SPACES)		2
ACCESSIBLE PARKING PROVIDED (# SPACES)		2



**STATE HIGHWAY 276**  
(R.O.W. VARIES, AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)

**INNOVATION DRIVE**  
(60' R.O.W., AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)

- LAYOUT & DIMENSIONAL CONTROL NOTES:**
- BOUNDARY LINES AND EASEMENT: REFER TO THE FINAL PLAT TO VERIFY PROPERTY LINES AND EXISTING EASEMENT LOCATIONS.
  - DIMENSION CONTROL: UNLESS NOTED OTHERWISE, ALL PAVING DIMENSIONS SHOWN ARE TO FACE OF CURB.
  - CURB RADIUS: UNLESS NOTED OTHERWISE, ALL CURB RADIUS SHALL BE 3' AT FACE OF CURB.
  - BUILDING DIMENSIONS: REFERENCE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES PRIOR TO CONSTRUCTION.
  - ALL COORDINATES ARE U.S. SURVEY FEET, NAD '83 SURFACE.

**NOTE TO CONTRACTOR**

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER FROM LOCATIONS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

**OWNER**  
ROCKWALL TECHNOLOGY PARK  
PO BOX 968  
ROCKWALL, TX 75087  
PH: (972) 772-0025  
CONTACT: PHIL WAGNER

**APPROVED:**

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_, \_\_\_.  
WITNESS OUR HANDS, THIS \_\_\_ day of \_\_\_.

Planning & Zoning Commission, Chairman      Director of Planning and Zoning

**SITE PLAN**  
CITY PROJECT CASE NO. SP2022-005  
**INTEGRATED DEFENSE PRODUCTS TM**

7.377 ACRES  
LOT 4 BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
J.M. ALLEN SURVEY ABSTRACT NO. 2  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS  
PREPARATION DATE: 05/19/2022

**APPLICANT**  
LINKS CONSTRUCTION  
525 S. LOOP 288, SUITE 105  
DENTON, TX 76034  
PH: 940-783-0920  
CONTACT: ALISON WINGET, PE

**LANDSCAPE ARCHITECT**  
STUDIO GREEN SPOT, INC.  
1784 W. McDERMOTT DR., STE. 110  
ALLEN, TX 75013  
PH: 469-369-4448  
CONTACT: CHRIS TRONZANO, RLA

**ENGINEER**  
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYSVILLE, TX 76034  
PH: 817-964-9604  
CONTACT: JEREMY NELSON, PE

**SURVEYOR**  
BARTON CHAPA SURVEYING  
5200 STATE HIGHWAY 121  
COLLEYSVILLE, TX 76034  
PH: 817-964-1957  
CONTACT: JACK BARTON, RPLS

FILE PATH: K:\bbs\hsk\2022 - record\Industrial\Drawings\05\_19\_2023 - Production\C3.0 SITE PLAN\_LNK2005.dwg  
PLOTTER: CLO SITE PLAN\_LNK2005.dwg  
PLOT DATE: 10/20/2023





525 S. LOOP 288, SUITE 105, DENTON, TX 76205 (940) 566-5465

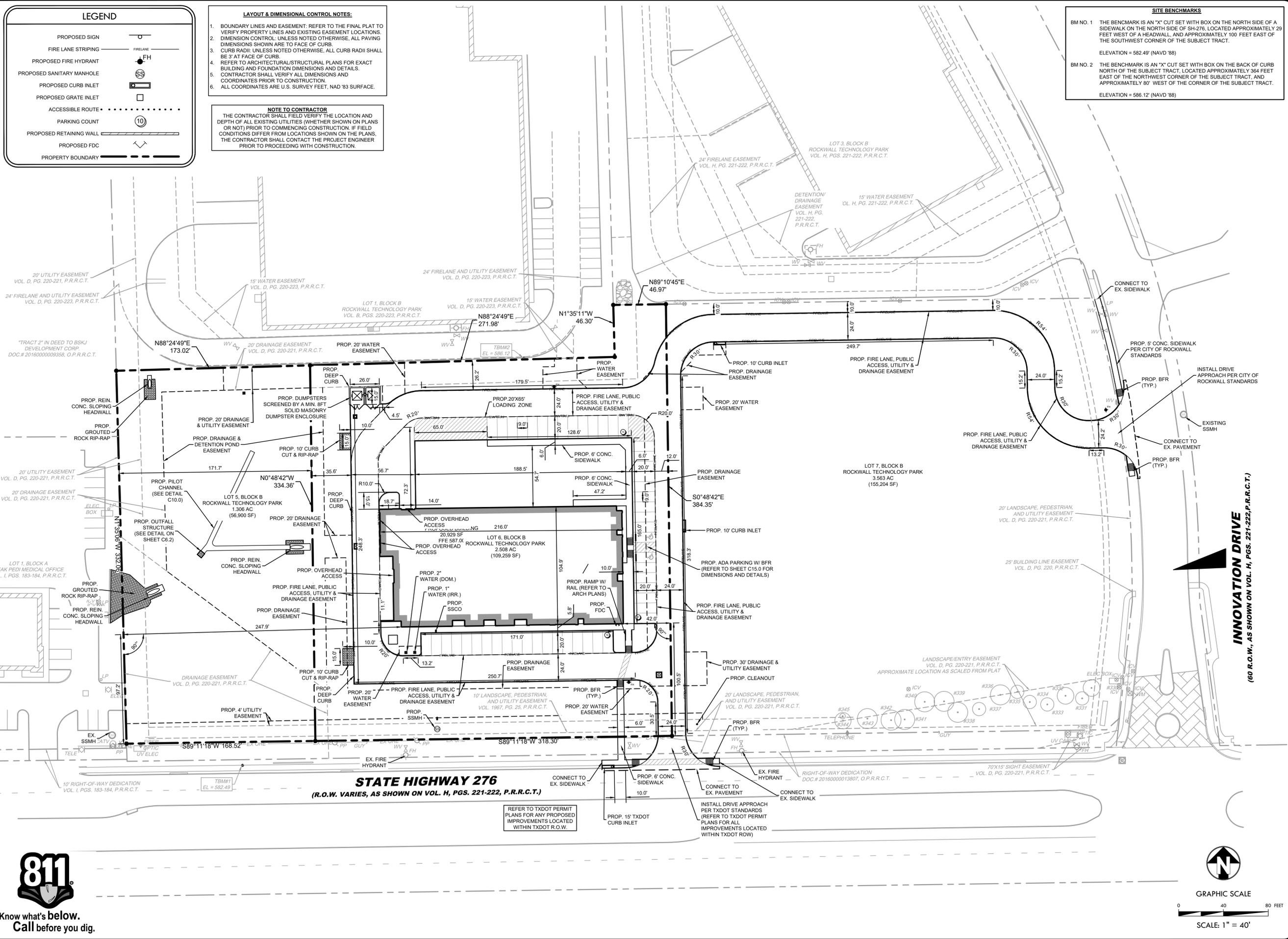
INTEGRATED DEFENSE PRODUCTS TM  
LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

RECORD DRAWING  
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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022



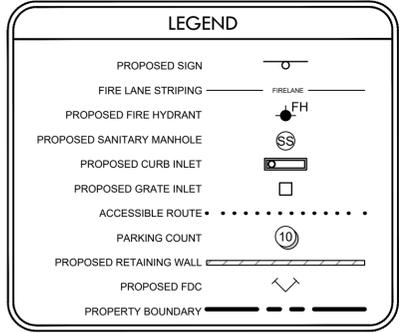
JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

DIMENSIONAL CONTROL PLAN  
SHEET:  
C4.0



**SITE BENCHMARKS**  
BM NO. 1 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE NORTH SIDE OF A SIDEWALK ON THE NORTH SIDE OF SH-276, LOCATED APPROXIMATELY 29 FEET WEST OF A HEADWALL, AND APPROXIMATELY 100 FEET EAST OF THE SOUTHWEST CORNER OF THE SUBJECT TRACT.  
ELEVATION = 582.49' (NAVD '88)  
BM NO. 2 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE BACK OF CURB NORTH OF THE SUBJECT TRACT, LOCATED APPROXIMATELY 364 FEET EAST OF THE NORTHWEST CORNER OF THE SUBJECT TRACT, AND APPROXIMATELY 80' WEST OF THE CORNER OF THE SUBJECT TRACT.  
ELEVATION = 586.12' (NAVD '88)

**LAYOUT & DIMENSIONAL CONTROL NOTES:**  
1. BOUNDARY LINES AND EASEMENT: REFER TO THE FINAL PLAT TO VERIFY PROPERTY LINES AND EXISTING EASEMENT LOCATIONS.  
2. DIMENSION CONTROL: UNLESS NOTED OTHERWISE, ALL PAVING DIMENSIONS SHOWN ARE TO FACE OF CURB.  
3. CURB RADII: UNLESS NOTED OTHERWISE, ALL CURB RADII SHALL BE 3' AT FACE OF CURB.  
4. REFER TO ARCHITECTURAL/STRUCTURAL PLANS FOR EXACT BUILDING AND FOUNDATION DIMENSIONS AND DETAILS.  
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES PRIOR TO CONSTRUCTION.  
6. ALL COORDINATES ARE U.S. SURVEY FEET, NAD '83 SURFACE.  
**NOTE TO CONTRACTOR**  
THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER FROM LOCATIONS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

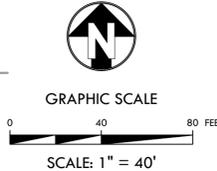


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PLOT DATE: 05/19/2022



**STATE HIGHWAY 276**  
(R.O.W. VARIES, AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)

REFER TO TXDOT PERMIT PLANS FOR ANY PROPOSED IMPROVEMENTS LOCATED WITHIN TXDOT R.O.W.





525 S. LOOP 288, SUITE 105, DENTON, TX 76205 (940) 566-5465

INTEGRATED DEFENSE PRODUCTS TM  
LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

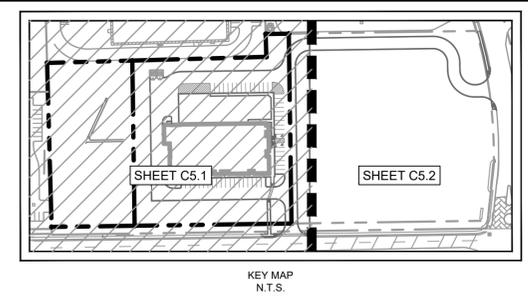
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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022

**KE**  
kirkman  
ENGINEERING  
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYSVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

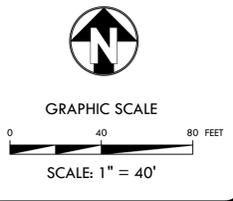
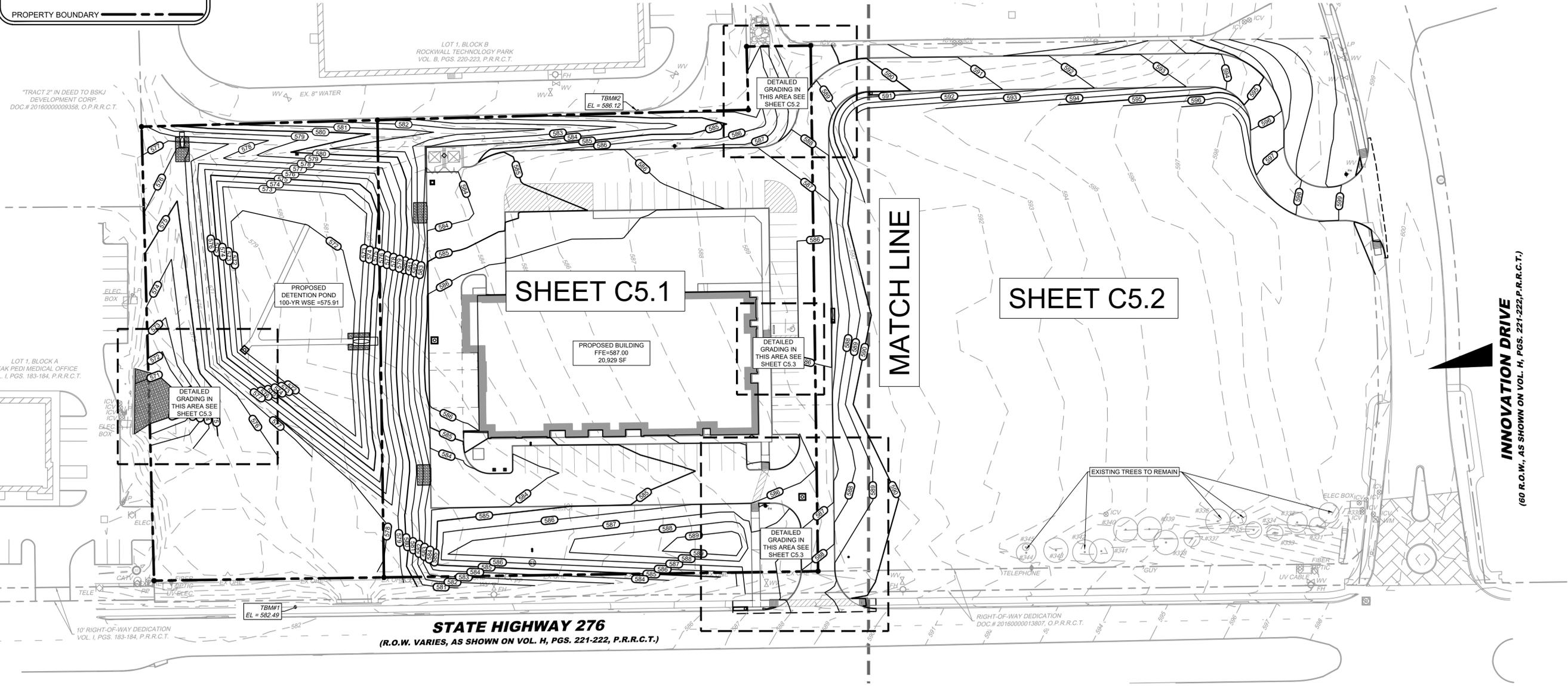
**OVERALL GRADING PLAN**  
SHEET:  
**C5.0**

**SITE BENCHMARKS**  
BM NO. 1 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE NORTH SIDE OF A SIDEWALK ON THE NORTH SIDE OF SH-276, LOCATED APPROXIMATELY 29 FEET WEST OF A HEADWALL, AND APPROXIMATELY 100 FEET EAST OF THE SOUTHWEST CORNER OF THE SUBJECT TRACT.  
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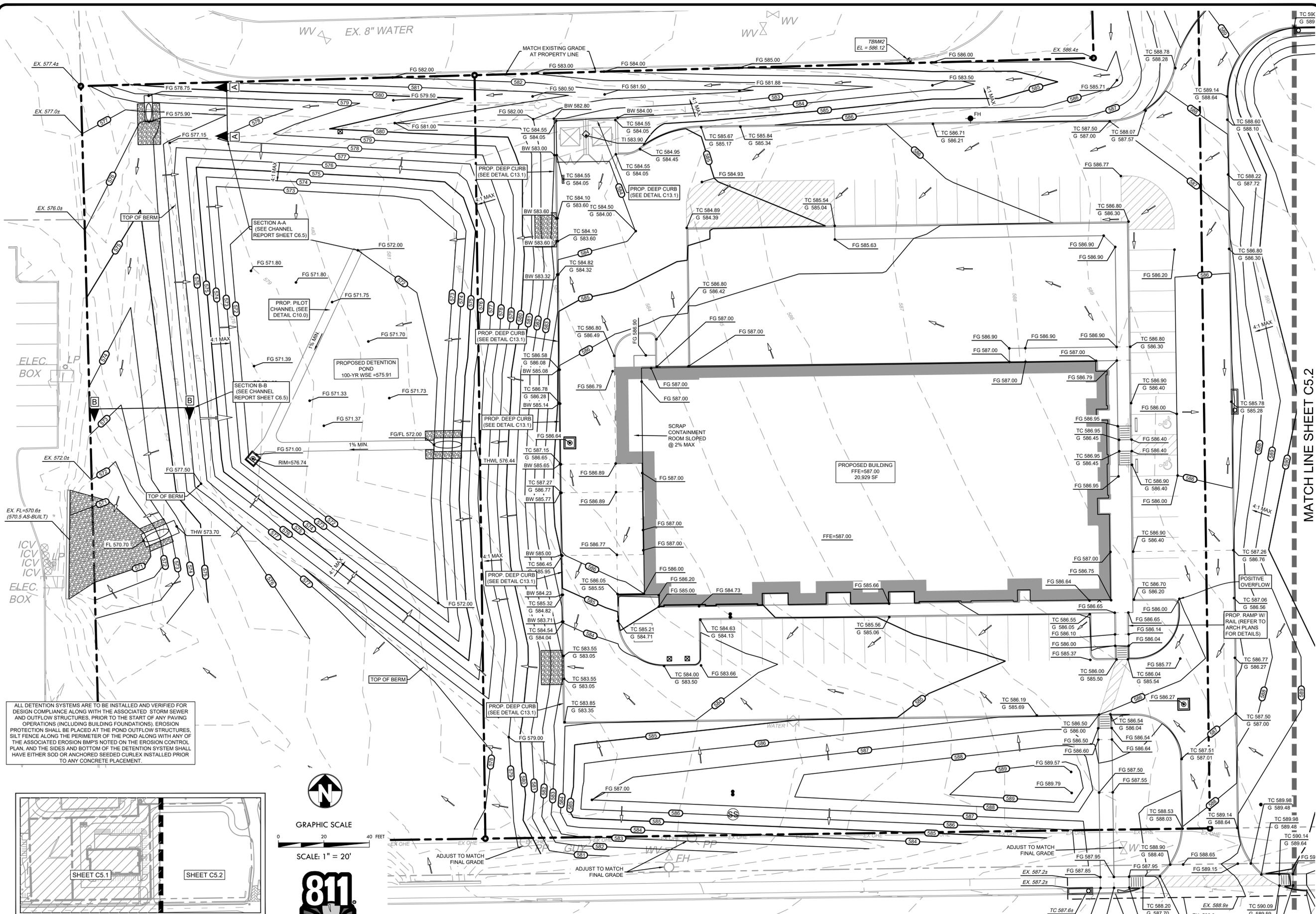


- GRADING NOTES:**
1. GEOTECHNICAL REPORT: SITE PREPARATION, GRADING, FILL COMPACTION, AND BUILDING PAD PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT BY D&S ENGINEERING LABS, LLC, DATED DECEMBER 2021. IN THE EVENT OF A CONFLICT BETWEEN THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND THE NOTES ON THE GRADING PLAN, THE GEOTECHNICAL REPORT SHALL GOVERN.
  2. TOPOGRAPHIC SURVEY: TOPOGRAPHIC SURVEY INFORMATION IS BASED ON THE TOPOGRAPHIC SURVEY PREPARED BY BARTON CHAPA SURVEYING, DATED JANUARY 2022.
  3. EXISTING CONDITIONS: PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS, INCLUDING GRADES AND DIMENSIONS. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES.
  4. EROSION CONTROL: EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING CLEARING, STRIPPING AND GRADING OPERATIONS. REFER TO THE EROSION CONTROL PLAN FOR THE SEQUENCE OF EROSION CONTROL DEVICES TO BE INSTALLED.
  5. PROPOSED GRADES: THE PROPOSED ELEVATIONS AND CONTOURS SHOWN ARE TO FINISHED GRADE. THE PROPOSED CONTOURS ARE APPROXIMATE. THE PROPOSED SPOT ELEVATIONS AND GRADIENTS ARE TO BE USED IN THE EVENT OF ANY DISCREPANCY WITH THE PROPOSED CONTOURS. MINOR ADJUSTMENT TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE IS ACCEPTABLE.
  6. ACCESSIBLE ROUTES/PARKING: SIDEWALKS AND CROSSWALKS ALONG ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH TAS AND ADA STANDARDS WITH A MAXIMUM RUNNING SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%. ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS.
  7. TESTING: TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING LABORATORY, EMPLOYED AND PAID DIRECTLY BY THE OWNER. TESTING SHALL BE PERFORMED AT A MINIMUM, IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT. IN THE EVENT THE RESULTS OF THE INITIAL TESTING DO NOT COMPLY WITH THE PLANS AND SPECIFICATIONS, SUBSEQUENT TESTS NECESSARY TO DETERMINE THE ACCEPTABILITY OF CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
  8. MAXIMUM SITE SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED.
  9. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
  10. CONTRACTOR TO ADJUST ALL UTILITY APPURTENANCES (EXISTING OR PROPOSED) TO FINAL GRADE.
- NOTE TO CONTRACTOR**  
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- LEGEND**
- PROPOSED CONTOUR 500
  - EXISTING CONTOUR 500
  - GRADE BREAK
  - PROPOSED SWALE
  - PROPOSED FINISHED GRADE FG 700.00
  - PROPOSED TOP OF CURB/GUTTER TC 700.50 G 700.00
  - PROPOSED TOP OF WALL TW 700.00 BW 699.00
  - PROPOSED TOP OF INLET TI 700.00
  - EXISTING SPOT GRADE EX 700.51
  - EXISTING TOP OF CURB/GUTTER TC 700.51 G 700.02
  - PROPOSED DRAINAGE FLOW ARROW
  - EXISTING DRAINAGE FLOW ARROW
  - PROPERTY BOUNDARY



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PLOTTER: C:\Olivetti\bin\PLT\LIN\13002.dwg  
PLOT DATE: 05/19/2022



ALL DETENTION SYSTEMS ARE TO BE INSTALLED AND VERIFIED FOR DESIGN COMPLIANCE ALONG WITH THE ASSOCIATED STORM SEWER AND OUTFLOW STRUCTURES. PRIOR TO THE START OF ANY PAVING OPERATIONS (INCLUDING BUILDING FOUNDATIONS), EROSION PROTECTION SHALL BE PLACED AT THE POND OUTFLOW STRUCTURES. SILT FENCE ALONG THE PERIMETER OF THE POND ALONG WITH ANY OF THE ASSOCIATED EROSION BMP'S NOTED ON THE EROSION CONTROL PLAN, AND THE SIDES AND BOTTOM OF THE DETENTION SYSTEM SHALL HAVE EITHER SOD OR ANCHORED SEEDED CURLEX INSTALLED PRIOR TO ANY CONCRETE PLACEMENT.



GRAPHIC SCALE  
0 20 40 FEET  
SCALE: 1" = 20'



Know what's below.  
Call before you dig.

GRADING NOTE:  
REFER TO SHEET C5.0 FOR  
GRADING NOTES, BENCHMARKS,  
AND GRADING LEGEND.

**STATE HIGHWAY 276**  
(R.O.W. VARIES, AS SHOWN ON VOL. H, PGS. 221-222,  
P.R.R.C.T.)

Jeremy B. Nelson  
05/19/2022

**LINKS**  
CONSTRUCTION  
BUILDING & DEVELOPING THE FUTURE

525 S. LOOP 288,  
SUITE 105  
DENTON, TX 76205  
(940) 566-5465

**INTEGRATED DEFENSE  
PRODUCTS TM**

LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

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REV. DATE: DESCRIPTION:  
BY: JEREMY B. NELSON, P.E. DATE: 10/02/2023

**kirkman**  
ENGINEERING

KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**GRADING  
PLAN**

SHEET:  
**C5.1**

E2022-013







525 S. LOOP 288,  
SUITE 105  
DENTON, TX 76205  
(940) 566-5465

**INTEGRATED DEFENSE PRODUCTS TM**  
LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
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BY: JEREMY B. NELSON, P.E. DATE: 10/02/2023



JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**EXISTING DRAINAGE AREA MAP**  
SHEET:  
**C6.0**

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ELEVATION = 586.12' (NAVD '88)

**LEGEND**

EXISTING DRAINAGE AREA LABEL	BASIN NAME	DA1
	ACRES	0.63 ac.
	Q100 (cfs)	5.57

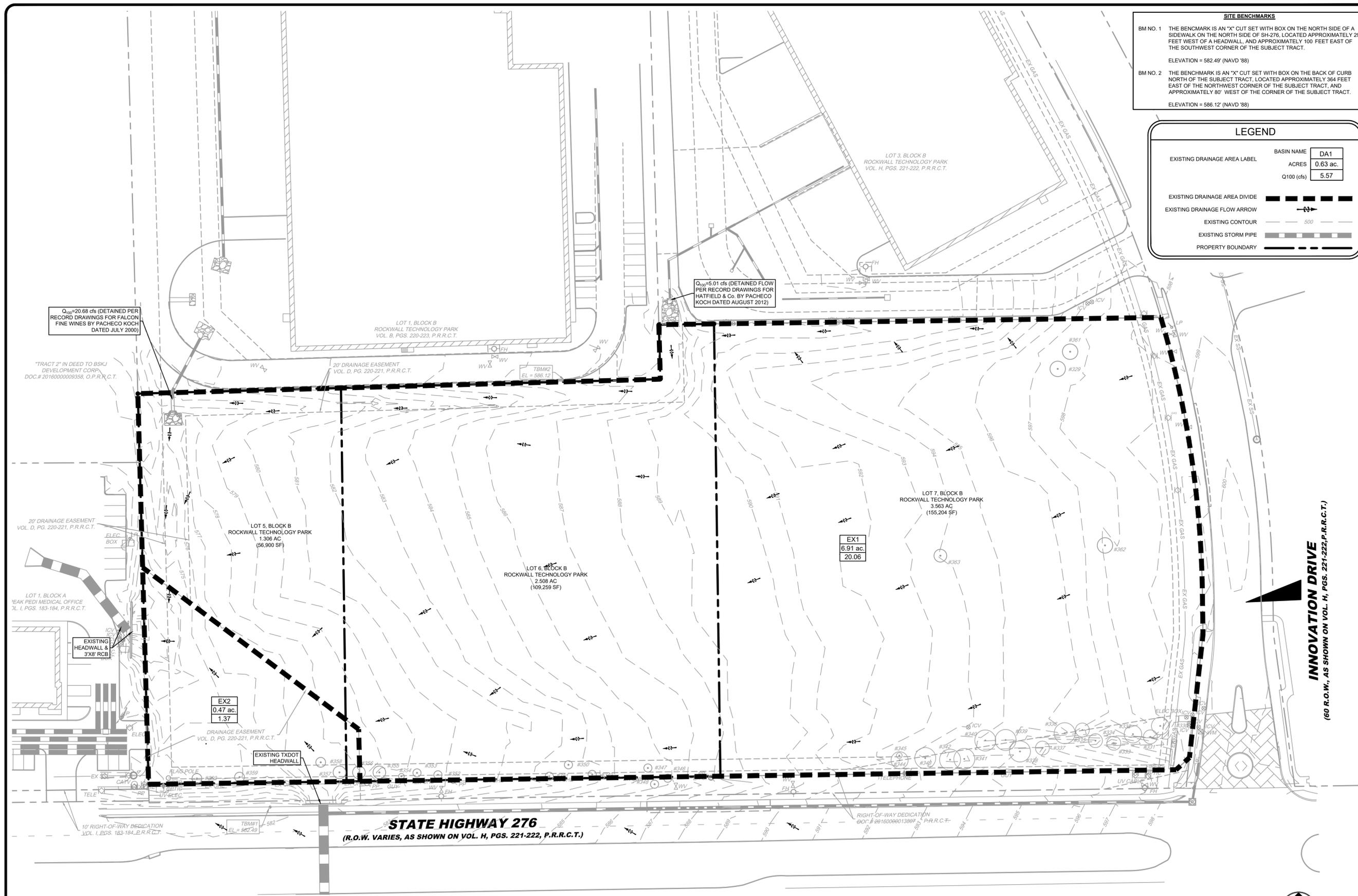
EXISTING DRAINAGE AREA DIVIDE:

EXISTING DRAINAGE FLOW ARROW:

EXISTING CONTOUR:

EXISTING STORM PIPE:

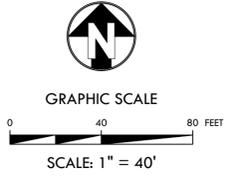
PROPERTY BOUNDARY:



**EXISTING DRAINAGE AREA CALCULATIONS Q=CIA**

DRAINAGE AREA ID	Tc (min.)	RUNOFF COEFFICIENT "C"	AREA (acres)	I5 (in./hr.)	Q5 (cfs)	I100 (in./hr.)	Q100 (cfs)	COMMENTS
EX1	20	0.35	6.91	4.90	11.84	8.30	20.06	DRAINS WEST TO EX. HEADWALL
EX2	20	0.35	0.47	4.90	0.81	8.30	1.37	DRAINS WEST TO EX. HEADWALL

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NOTE: DRAINAGE CRITERIA TAKEN FROM CITY OF ROCKWALL ENGINEERING DESIGN MANUAL DATED OCTOBER 2019.

FULL PATH: K:\bbs\13002\_rockwall\Industrial\Drawings\01\_Existing\Production\Existing Drainage Area Map\_13022023.dwg  
 PLOTTED BY: Michael Riemers  
 PLOTTED DATE: 10/2/2023



Know what's below.  
Call before you dig.



DETENTION POND CALCULATIONS - 100 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	8.30	RAINFALL INTENSITY (in./hr.):	9.80		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	20.07	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	13.19	PROPOSED RUNOFF (cfs):	60.95		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	10.87	59.95	17,985.25	5,937.28	12,047.98
10	9.80	54.07	32,439.96	7,916.37	24,523.59
15	9.00	49.65	44,687.70	9,895.46	34,792.24
20	8.30	45.79	54,949.32	11,874.56	43,074.77
30	6.90	38.07	68,521.14	15,832.74	52,688.40
40	5.80	32.00	76,796.64	19,790.93	57,005.72
50	5.00	27.59	82,755.00	23,749.11	59,005.89
60	4.50	24.83	89,375.40	27,707.30	61,668.11
70	4.00	22.07	92,685.60	31,665.48	61,020.12
80	3.70	20.41	97,981.92	35,623.67	62,358.26
90	3.50	19.31	104,271.30	39,581.85	64,689.45
100	3.40	18.76	112,546.80	43,540.04	69,006.77
110	3.20	17.65	116,519.04	47,498.22	69,020.82
120	2.17	11.95	86,027.85	54,456.41	34,571.44
130	2.05	11.29	88,044.93	55,414.59	32,630.34
140	1.94	10.71	89,924.98	59,372.78	30,552.21
150	1.85	10.19	91,686.83	63,330.96	28,355.87
160	1.76	9.72	93,345.63	67,289.15	26,056.48
170	1.69	9.31	94,913.78	71,247.33	23,666.45
180	1.62	8.93	96,401.53	75,205.52	21,196.01

DETENTION POND CALCULATIONS - 10 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	5.90	RAINFALL INTENSITY (in./hr.):	7.10		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	14.27	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	9.28	PROPOSED RUNOFF (cfs):	44.15		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	7.55	41.65	12,494.57	4,178.23	8,316.34
10	7.10	39.17	23,502.42	5,570.97	17,931.45
15	6.50	35.86	32,274.45	6,963.71	25,310.74
20	5.90	32.55	39,060.36	8,356.46	30,703.91
30	4.80	26.48	47,666.88	11,141.94	36,524.94
40	4.00	22.07	52,963.20	13,927.43	39,035.78
50	3.50	19.31	57,928.50	16,712.91	41,215.59
60	3.00	16.55	59,583.60	19,498.40	40,085.21
70	2.80	15.45	64,879.92	22,283.88	42,596.04
80	2.60	14.34	68,852.16	25,069.37	43,782.80
90	2.50	13.79	74,479.50	27,854.85	46,624.65
100	2.40	13.24	79,444.80	30,640.34	48,804.47
110	2.30	12.69	83,748.06	33,425.82	50,322.24
120	1.48	8.16	58,787.68	36,211.31	22,576.38
130	1.40	7.71	60,170.49	38,996.79	21,173.70
140	1.33	7.32	61,460.55	41,782.28	19,678.28
150	1.26	6.96	62,670.53	44,567.76	18,102.77
160	1.20	6.65	63,810.65	47,353.25	16,457.40
170	1.15	6.36	64,889.24	50,138.73	14,750.51
180	1.11	6.10	65,913.25	52,924.22	12,989.03

STORM EVENT (YEAR)	REQUIRED STORAGE (cf)	WSE ELEVATION (ft)	MAXIMUM ALLOWABLE DISCHARGE (cfs)	PROPOSED DETENTION DISCHARGE (cfs)
5-YR	40,472.86	574.43	7.57	7.57
10-YR	50,322.24	574.98	9.28	8.86
25-YR	55,989.72	575.26	10.14	9.96
100-YR	69,020.82	575.91	13.19	13.19

**DETENTION CALCULATION NOTES**

- DETENTION CALCULATIONS BASED ON MODIFIED RATIONAL METHODOLOGY TAKEN FROM THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION DATED OCTOBER 2019.
- RAINFALL INTENSITY VALUES FOR 10-110 MINUTE STORM EVENTS TAKEN FROM CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION DATED OCTOBER 2019.
- RAINFALL INTENSITIES FOR ALL OTHER STORMS EVENTS CALCULATED USING e,b,d VALUES FROM TXDOT RAINFALL INTENSITY-DURATION-FREQUENCY COEFFICIENTS FOR TEXAS.
- DETENTION POND STAGE-STORAGE CALCULATIONS PROVIDED USING AVERAGE END AREA METHOD AND VERIFIED BY COMPUTER AIDED DRAFTING.

DETENTION POND CALCULATIONS - 50 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	7.50	RAINFALL INTENSITY (in./hr.):	9.00		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	18.14	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	11.82	PROPOSED RUNOFF (cfs):	55.97		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	10.15	56.02	16,805.40	5,319.34	11,486.06
10	9.00	49.65	29,791.80	7,092.45	22,699.35
15	8.10	44.69	40,218.93	8,865.56	31,353.37
20	7.50	41.38	49,653.00	10,638.68	39,014.33
30	6.10	33.65	60,576.66	14,184.90	46,391.76
40	5.20	28.69	68,852.16	17,731.13	51,121.04
50	4.50	24.83	74,479.50	21,277.35	53,202.15
60	3.90	21.52	77,458.68	24,823.58	52,635.11
70	3.70	20.41	85,734.18	28,369.80	57,364.38
80	3.50	19.31	92,685.60	31,916.03	60,769.58
90	3.30	18.21	98,312.94	35,462.25	62,850.69
100	3.00	16.55	99,306.00	39,008.48	60,297.53
110	2.90	16.00	105,595.38	42,554.70	63,040.68
120	2.13	11.78	84,798.83	46,100.93	38,697.90
130	2.02	11.14	86,902.89	49,647.15	37,255.74
140	1.92	10.58	88,867.60	53,193.38	35,674.22
150	1.83	10.08	90,711.86	56,739.60	33,972.26
160	1.75	9.63	92,450.92	60,285.83	32,165.09
170	1.67	9.23	94,097.26	63,832.05	30,265.21
180	1.61	8.86	95,661.26	67,378.28	28,282.98

DETENTION POND CALCULATIONS - 5 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	4.90	RAINFALL INTENSITY (in./hr.):	6.10		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	11.85	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	7.57	PROPOSED RUNOFF (cfs):	37.94		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	7.06	38.97	11,692.47	3,405.80	8,286.67
10	6.10	33.65	20,192.22	4,541.07	15,651.15
15	5.50	30.34	27,309.15	5,676.34	21,632.81
20	4.90	27.03	32,439.96	6,811.61	25,628.36
30	4.10	22.62	40,715.46	9,082.14	31,633.32
40	3.40	18.76	45,018.72	11,352.68	33,666.05
50	2.80	15.45	46,342.80	13,623.21	32,719.59
60	2.60	14.34	51,639.12	15,893.75	35,745.38
70	2.40	13.24	55,611.36	18,164.28	37,447.08
80	2.30	12.69	60,907.68	20,434.82	40,472.86
90	2.10	11.59	62,562.78	22,705.35	39,857.43
100	1.90	10.48	62,893.80	24,975.89	37,917.92
110	1.80	9.93	65,541.96	27,246.42	38,295.54
120	1.36	7.51	54,074.83	29,516.96	24,557.88
130	1.29	7.09	55,321.95	31,787.49	23,534.46
140	1.22	6.72	56,484.65	34,058.03	22,426.63
150	1.16	6.40	57,574.52	36,328.56	21,245.96
160	1.11	6.10	58,600.88	38,599.10	20,001.79
170	1.06	5.84	59,571.38	40,869.63	18,701.75
180	1.02	5.60	60,492.31	43,140.17	17,352.15

DETENTION POND CALCULATIONS - 25 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	6.60	RAINFALL INTENSITY (in./hr.):	8.30		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	15.96	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	10.14	PROPOSED RUNOFF (cfs):	51.62		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	9.52	52.54	15,762.27	4,560.98	11,201.30
10	8.30	45.79	27,474.66	6,081.30	21,393.36
15	7.50	41.38	37,239.75	7,601.63	29,638.13
20	6.60	36.41	43,694.64	9,121.95	34,572.69
30	5.00	27.59	49,653.00	12,162.60	37,490.40
40	4.60	25.38	60,907.68	15,203.25	45,704.43
50	4.00	22.07	66,204.00	18,243.90	47,960.10
60	3.50	19.31	69,514.20	21,284.55	48,229.65
70	3.30	18.21	76,465.62	24,325.20	52,140.42
80	3.10	17.10	82,092.96	27,365.85	54,727.11
90	2.90	16.00	86,396.22	30,406.50	55,989.72
100	2.70	14.90	89,375.40	33,447.15	55,928.25
110	2.50	13.79	91,030.68	36,487.80	54,542.70
120	1.91	10.53	75,839.42	39,528.45	36,310.97
130	1.80	9.96	77,666.26	42,569.10	35,097.16
140	1.71	9.45	79,371.85	45,609.75	33,762.10
150	1.63	9.00	80,972.65	48,650.40	32,322.25
160	1.56	8.59	82,481.97	51,691.05	30,790.92
170	1.49	8.23	83,910.69	54,731.70	29,178.99
180	1.43	7.90	85,267.83	57,772.35	27,495.48

DETENTION POND CALCULATIONS - 2 YEAR STORM					
EXISTING CONDITIONS:			PROPOSED CONDITIONS:		
RUNOFF COEFFICIENT "C":	0.35	RUNOFF COEFFICIENT "C":	0.90		
Frequency Factor "Cf":	1.00	Frequency Factor "Cf":	1.00		
TC (min.):	20	TC (min.):	10		
RAINFALL INTENSITY (in./hr.):	3.90	RAINFALL INTENSITY (in./hr.):	5.30		
ON-SITE DRAINAGEAREA (acres):	6.91	ON-SITE DRAINAGEAREA (acres):	6.91		
OFF-SITE DRAINAGE AREA (acres):	0	OFF-SITE DRAINAGE AREA (acres):	0		
EXISTING RUNOFF (cfs):	9.43	BYPASS (acres):	0.78		
ALLOWABLE RUNOFF (cfs):	5.71	PROPOSED RUNOFF (cfs):	32.96		
STORM (min.)	INTENSITY (in./hr.)	Q (cfs)	INFLOW (cf)	OUTFLOW (cf)	STORAGE (cf)
5	5.65	31.19	9,355.52	2,570.20	6,785.32
10	5.30	29.24	17,544.06	3,426.93	14,117.13
15	4.50	24.83	22,343.85	4,283.66	18,060.19
20	3.90	21.52	25,819.56	5,14	



525 S. LOOP 288, SUITE 105 DENTON, TX 76205 (940) 566-5465

INTEGRATED DEFENSE PRODUCTS TM LOT 6, BLOCK B ROCKWALL TECHNOLOGY PARK, CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS (2.508 ACRES) J.M. ALLEN SURVEY A-2

RECORD DRAWING THIS RECORD DRAWING IS A COMPILED COPY OF THE APPROVED SEALED ENGINEERING DRAWING FOR THIS PROJECT. MODIFIED BY ADDENDUM CHANGE ORDERS AND INFORMATION PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER FROM LOCATIONS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

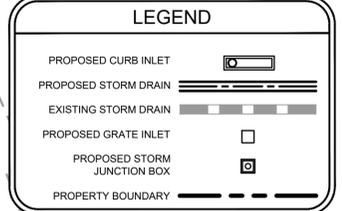


JOB NUMBER: LNK21005 ISSUE DATE: 05/19/2022

STORM PLAN

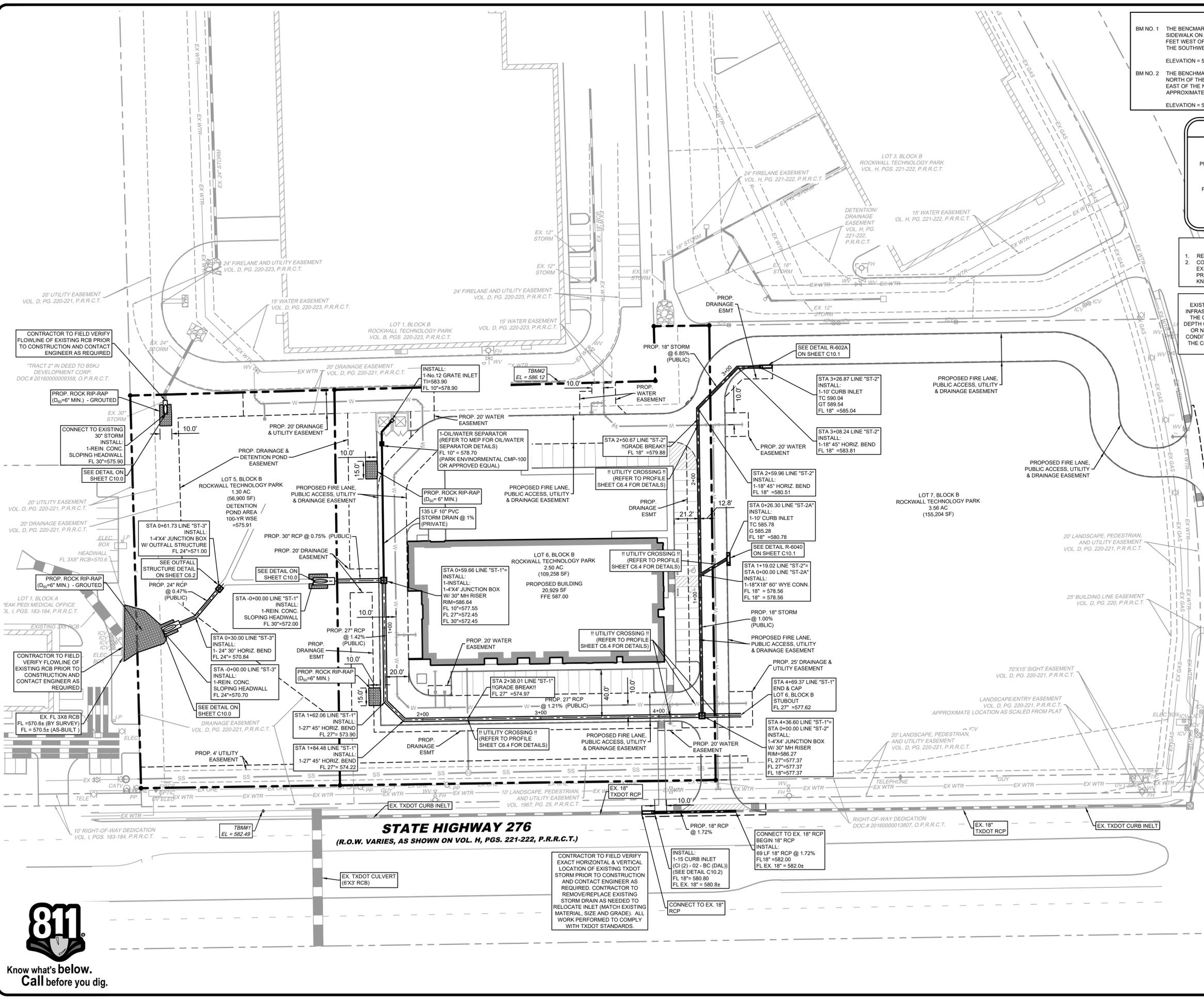
SHEET: C6.3

**SITE BENCHMARKS**  
BM NO. 1 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE NORTH SIDE OF A SIDEWALK ON THE NORTH SIDE OF SH-276, LOCATED APPROXIMATELY 29 FEET WEST OF A HEADWALL, AND APPROXIMATELY 100 FEET EAST OF THE SOUTHWEST CORNER OF THE SUBJECT TRACT.  
ELEVATION = 582.49' (NAVD '88)  
BM NO. 2 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE BACK OF CURB NORTH OF THE SUBJECT TRACT, LOCATED APPROXIMATELY 364 FEET EAST OF THE NORTHWEST CORNER OF THE SUBJECT TRACT AND APPROXIMATELY 80' WEST OF THE CORNER OF THE SUBJECT TRACT.  
ELEVATION = 586.12' (NAVD '88)



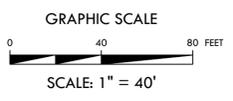
**STORM DRAIN NOTES:**  
1. REFER TO SHEET C10.0 - C10.2 FOR STORM DRAIN DETAILS.  
2. CONTRACTOR SHALL RAISE/LOWER OR ADJUST ALL EXISTING FRANCHISE UTILITY LINES IN CONFLICT WITH PROPOSED UTILITIES AS PART OF THE BASE BIDS FOR ALL KNOWN OR UNKNOWN LINES.

**NOTE TO CONTRACTOR**  
EXISTING PRIVATE AND PUBLIC STORM SEWER AND UTILITY INFRASTRUCTURE ARE SHOWN PER RECORD DRAWING PLANS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER FROM LOCATIONS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.



INNOVATION DRIVE (60 R.O.W., AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)

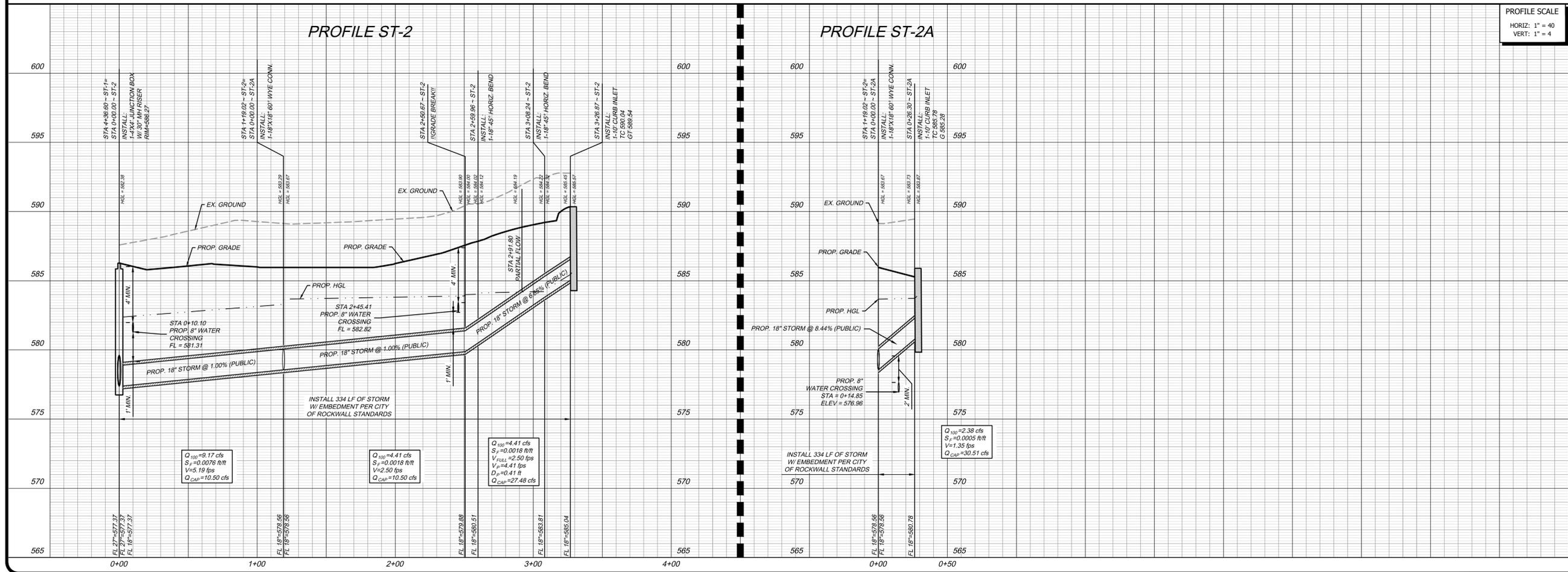
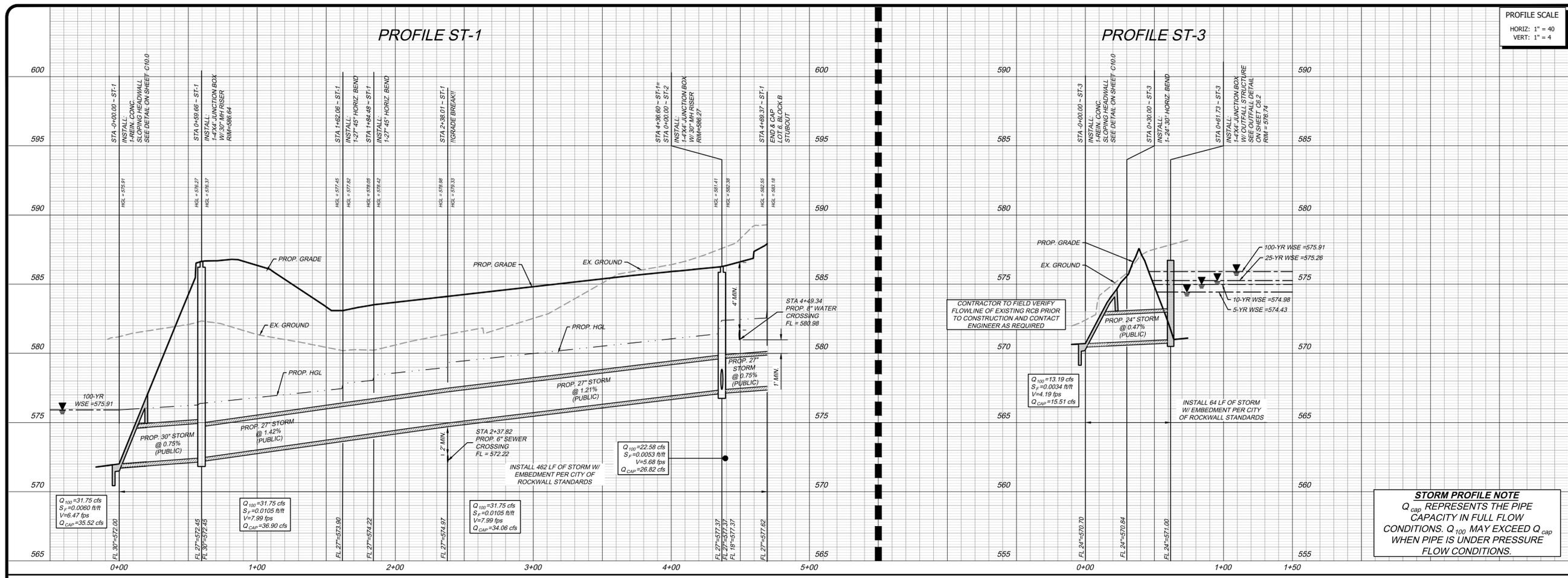
STATE HIGHWAY 276 (R.O.W. VARIES, AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)



Know what's below. Call before you dig.

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PLOT BY: J. Nelson  
PLOT DATE: 05/19/2022 10:02:23 AM

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**INTEGRATED DEFENSE PRODUCTS TM**

LOT 6, BLOCK B  
 ROCKWALL TECHNOLOGY PARK,  
 CITY OF ROCKWALL,  
 ROCKWALL COUNTY, TEXAS  
 (2.508 ACRES) J.M. ALLEN SURVEY A-2

**RECORD DRAWING**

THIS RECORD DRAWING IS A COMPILED COPY OF THE APPROVED SEALED ENGINEERING DRAWING FOR THIS PROJECT, MODIFIED BY ADDENDUM CHANGE ORDERS AND INFORMATION PROVIDED BY THE CONTRACTOR TO THE ENGINEER. THE ENGINEER HAS REVIEWED THIS INFORMATION AND HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

BY: JEREMY B. NELSON, P.E. DATE: 10/02/2022



JOB NUMBER: LNK21005  
 ISSUE DATE: 05/19/2022

**STORM PROFILE**

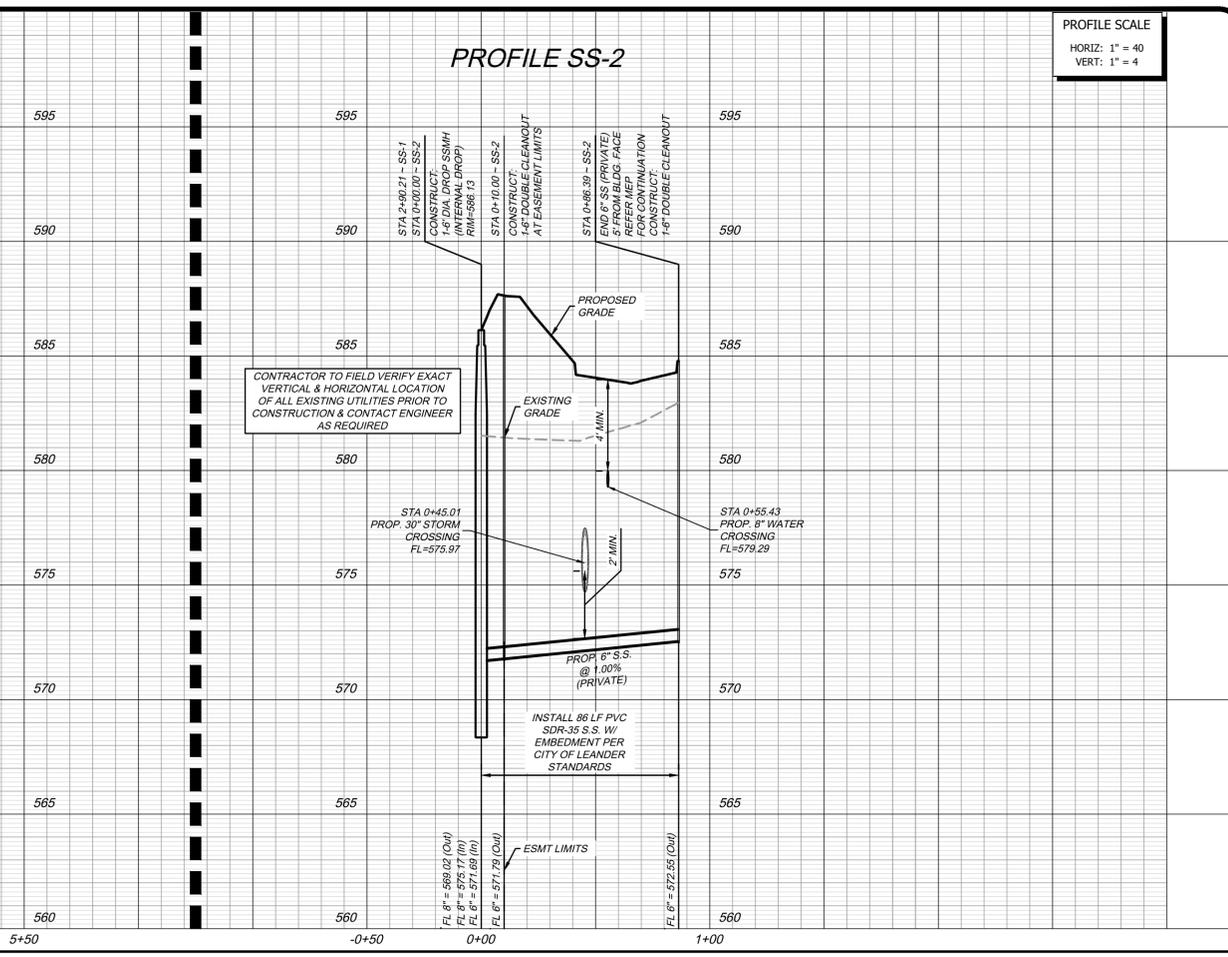
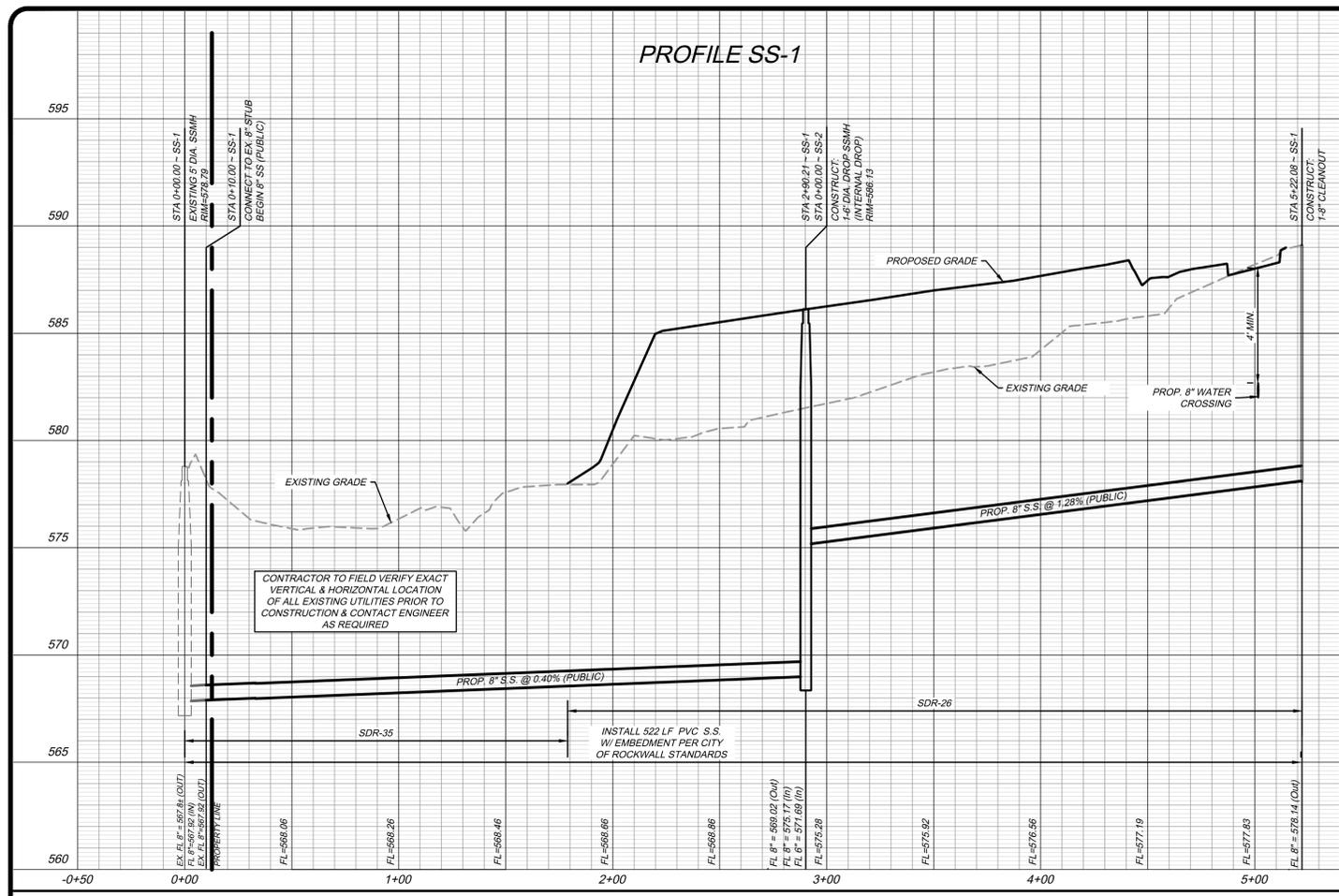
SHEET:  
**C6.4**

E2022-013





PLANS: C:\UTILTY PLAN\_LNK21005.dwg  
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 PLOTTED AT: 2:35:29 PM  
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PROFILE SCALE  
 HORIZ: 1" = 40'  
 VERT: 1" = 4'

PROFILE SCALE  
 HORIZ: 1" = 40'  
 VERT: 1" = 4'



**LINKS CONSTRUCTION**  
 BUILDING & DEVELOPING THE FUTURE

525 S. LOOP 288,  
 SUITE 105  
 DENTON, TX 76205  
 (940) 566-5465

**INTEGRATED DEFENSE PRODUCTS TM**

LOT 6, BLOCK B  
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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022

**kirkman ENGINEERING**

KIRKMAN ENGINEERING, LLC  
 5200 STATE HIGHWAY 121  
 COLLEYVILLE, TX 76034  
 TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
 ISSUE DATE: 05/19/2022

**UTILITY PROFILE**

SHEET:  
**C7.1**

E2022-013



**EROSION CONTROL MAINTENANCE NOTES:**

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON ON A SCHEDULE WHICH COMPLIES WITH THE GENERAL PERMIT REQUIREMENTS AND CLEANED AND REPAIRED WITHIN 48 HOURS OF THE INSPECTION IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDS ARE TO BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE TEMPORARY PARKING AND STORAGE AREA (IF PRESENT) SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS OR SEDIMENT TRAPS (IF PRESENT) SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- MAINTENANCE PROCEDURES FOR THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SPECIFIED ARE GIVEN IN SECTION 5 OF THE STORM WATER POLLUTION PREVENTION PLAN.

**EROSION CONTROL SEQUENCE:**

- INSTALL SILT FENCES AROUND PERIMETER OF PROPERTY AND DISTURBED AREAS AS SHOWN.
- INSTALL INLET PROTECTION FOR ALL EXISTING GRATE INLETS, CURB INLETS AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES, IF PRESENT.
- CONSTRUCT TEMPORARY CONSTRUCTION EXIT.
- COMMENCE GRUBBING AND REMOVAL OF VEGETATION IN AREA TO RECEIVE CUT OR FILL.
- COMMENCE GRADING OPERATION FOR BUILDING PAD PREPARATION.
- INSTALL ALL UNDERGROUND UTILITIES.
- FINALIZE PAVEMENT SUBGRADE PREPARATION.
- INSTALL ALL PROPOSED STORM SEWER PIPES AND INSTALL INLET PROTECTION SILT FENCES AT ENDS OF EXPOSED PIPES.
- CONSTRUCT ALL GRATE INLETS AND DRAINAGE STRUCTURES. INLET PROTECTION SILT FENCES MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.
- REMOVE SILT FENCES AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
- INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT, CURB & GUTTER.
- INSTALL ALL PAVING, CURB & GUTTER.
- COMPLETE PLANTING AND/OR SEEDING OF VEGETATED AREAS TO ACCOMPLISH STABILIZATION, IN ACCORDANCE WITH NCTCOG STANDARDS.
- REMOVE TEMPORARY CONSTRUCTION EXIT & SILT FENCES.

**VEGETATIVE STABILIZATION REQUIREMENTS**

**TEMPORARY SEEDING:**  
ALL DISTURBED AREAS WHICH WILL BE LEFT DORMANT FOR GREATER THAN 14 DAYS SHALL BE SEED WITH FAST-GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING OPERATIONS. SELECTION OF THE SEED WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED (SEE DESCRIPTIONS IN TABLE 2). ALL TEMPORARY SEEDING MATERIALS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO APPLICATION.

TABLE 2 - VEGETATION TABLE (USE ONLY USDA CERTIFIED SEED)

SPECIES	PLANTING RATE	PLANTING DATES
CRIMSON CLOVER	7 (LBS/AC.)	08/15-11/30
MILLET, FOXTAIL	30 (LBS/AC.)	05/01-08/31
RYEGRASS, ANNUAL	30 (LBS/AC.)	08/15-09/30
SPRANGLETOP, GREEN	2.5 (LBS/AC.)	02/01-05/01
TALL FESCUE	7-10 (LBS/AC.)	09/01-10/15

- SURFACE PREPARATION FOR TEMPORARY SEEDING:**
- INSTALL EROSION STRUCTURES SUCH AS DIKES, DIVERSIONS, ETC. PRIOR TO SEEDING.
  - FURROW SLOPES GREATER THAN 3:1 ON THE CONTOUR LINE BEFORE SEEDING.
  - ENSURE SEED BED IS PULVERIZED, LOOSE AND UNIFORM.

- APPLICATION:**
- WHEN HYDRO-MULCHING IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES PRIOR TO APPLICATION.
  - APPLY SEED EVENLY USING PROPER EQUIPMENT AND WATER TO AID VEGETATION GROWTH.
  - EROSION CONTROL NETTING SHALL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDING TO PROTECT AGAINST EROSION. MULCH (STRAW OF FIBER) SHALL BE USED ON RELATIVELY FLAT SLOPES.

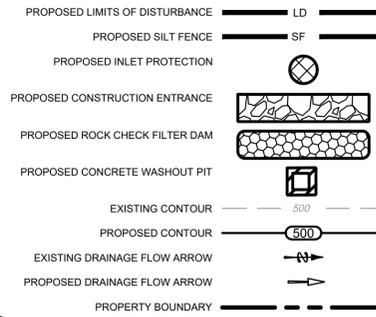
**NOTES FOR CHANGES TO SWPPP:**

CONTRACTOR SHALL BE REQUIRED TO UPDATE THIS SWPPP WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, OR WHENEVER THE RESULT OF AN INSPECTION INDICATES THAT THIS SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES. HOWEVER, THE REGULATIONS OF THE TEXAS BOARD OF PROFESSIONAL ENGINEERS REQUIRE THAT CHANGES MADE BY THE CONTRACTOR DURING CONSTRUCTION MUST BE AUTHORIZED BY A LICENSED TEXAS ENGINEER. THESE CHANGES MAY BE AUTHORIZED BY THE ENGINEER OF RECORD THROUGH UPDATED DRAWINGS, WORK ORDER CHANGES, OR OTHER METHODS ACCEPTABLE TO THE ENGINEER, OR BY ANOTHER ENGINEER PROVIDED THAT THEY NOTIFY THE ENGINEER OF RECORD.

**NOTE TO CONTRACTOR**

THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) PRIOR TO COMMENCING CONSTRUCTION. IF FIELD CONDITIONS DIFFER FROM LOCATIONS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

**LEGEND**

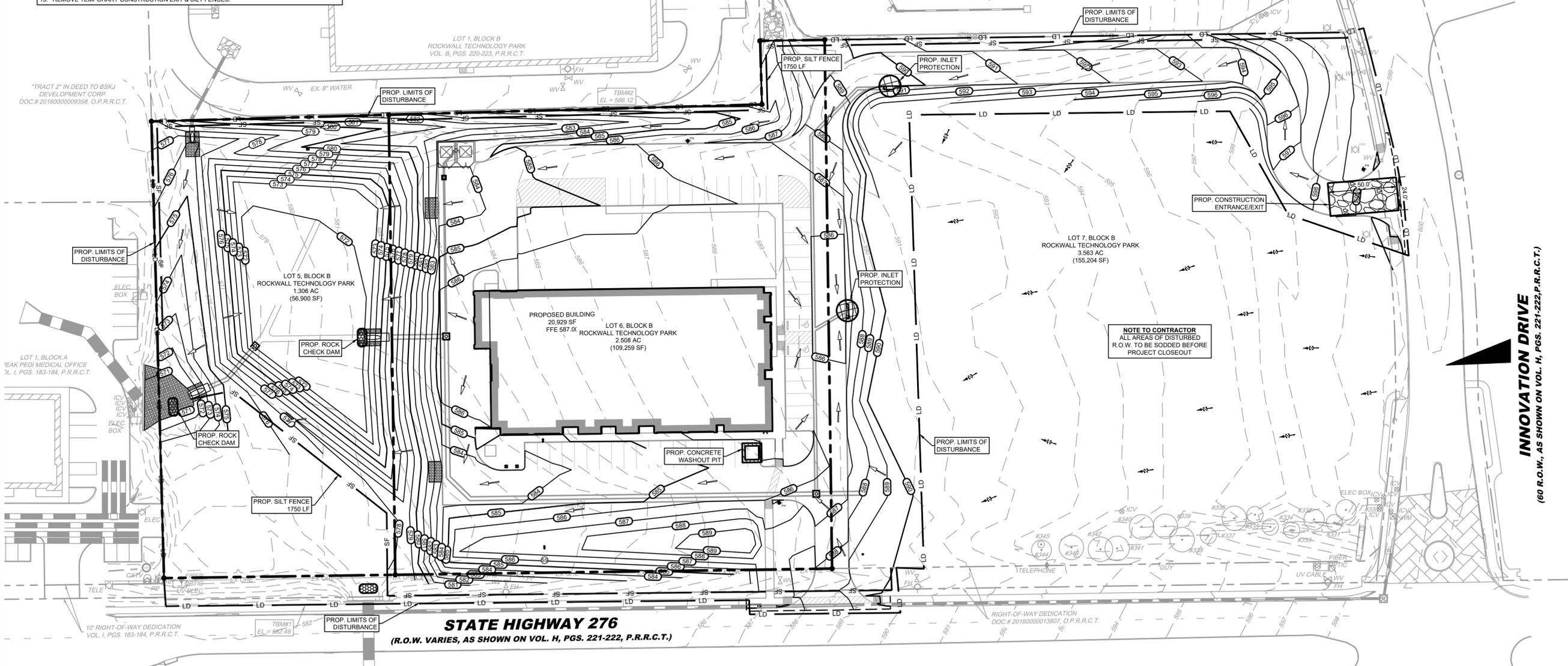


**SITE BENCHMARKS**

- BM NO. 1 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE NORTH SIDE OF A SIDEWALK ON THE NORTH SIDE OF SH-276, LOCATED APPROXIMATELY 29 FEET WEST OF A HEADWALL, AND APPROXIMATELY 100 FEET EAST OF THE SOUTHWEST CORNER OF THE SUBJECT TRACT.  
ELEVATION = 582.49' (NAVD '88)
- BM NO. 2 THE BENCHMARK IS AN "X" CUT SET WITH BOX ON THE BACK OF CURB NORTH OF THE SUBJECT TRACT, LOCATED APPROXIMATELY 364 FEET EAST OF THE NORTHWEST CORNER OF THE SUBJECT TRACT, AND APPROXIMATELY 80' WEST OF THE CORNER OF THE SUBJECT TRACT.  
ELEVATION = 586.12' (NAVD '88)

**EROSION CONTROL NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR PREPARING AND IMPLEMENTING A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE TPDES.
- TOTAL DISTURBED AREA = 6.85 ACRES
- REFER TO SHEET C14.0 FOR EROSION CONTROL DETAILS.
- CONTRACTOR TO REESTABLISH VEGETATION IN ALL DISTURBED AREAS WHETHER SHOWN ON THESE PLANS OR NOT.



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DENTON, TX 76205  
(940) 566-5465

**INTEGRATED DEFENSE PRODUCTS TM**

LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

**RECORD DRAWING**

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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022

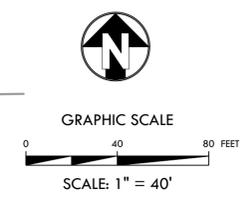
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYSVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

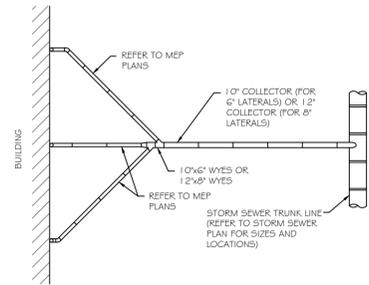
**EROSION CONTROL PLAN**

SHEET:  
**C9.0**

FULL PATH: K:\bbs\p\13002\_revised\Industrial\Drawings\05\_EROSION CONTROL\LINKS095.dwg  
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 PLOTTED BY: Michael Henthorn  
 PLOTTED DATE: 05/19/2022

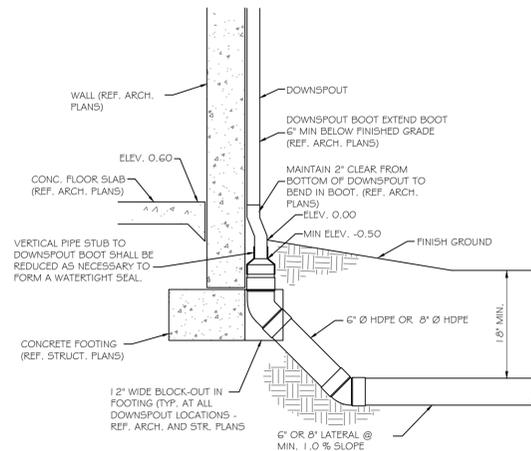


E2022-013



**SUGGESTED COLLECTOR LAYOUT**

NOTE: ALTERNATE CONNECTION SCENARIOS ARE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER

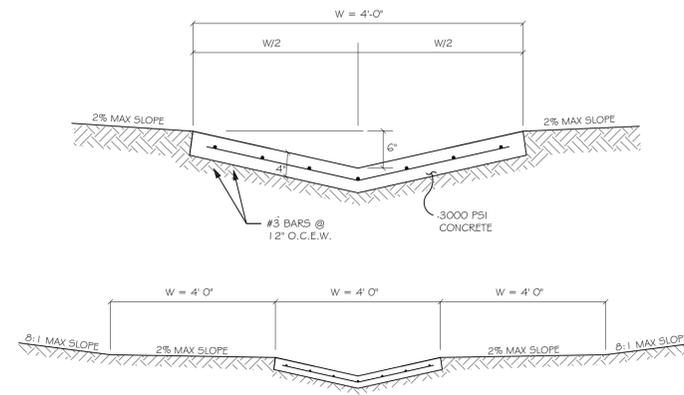


NOTES:

1. LATERAL AND COLLECTOR PIPING SHALL BE HDPE. THE CONTRACTOR SHALL MAINTAIN A WATERTIGHT CONNECTION BETWEEN DIFFERING PIPE TYPES.
2. REFER TO MEP PLANS FOR DOWNSPOUT SIZES. THE SITEWORK CONTRACTOR SHALL PROVIDE THE REQUIRED PIPE OPENING BASED ON THE CORRESPONDING DOWNSPOUT SIZE, BY USE OF A REDUCER.

**DOWNSPOUT CONNECTION TO UNDERGROUND DRAIN DETAIL**

N.T.S.

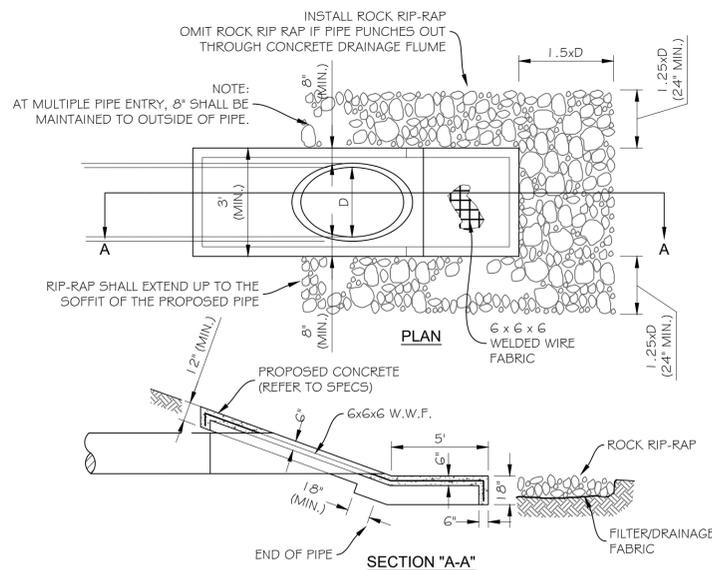


NOTES:

1. SIDE SLOPES TO BE HYDROMULCHED.

**CONCRETE FLUME**

N.T.S.

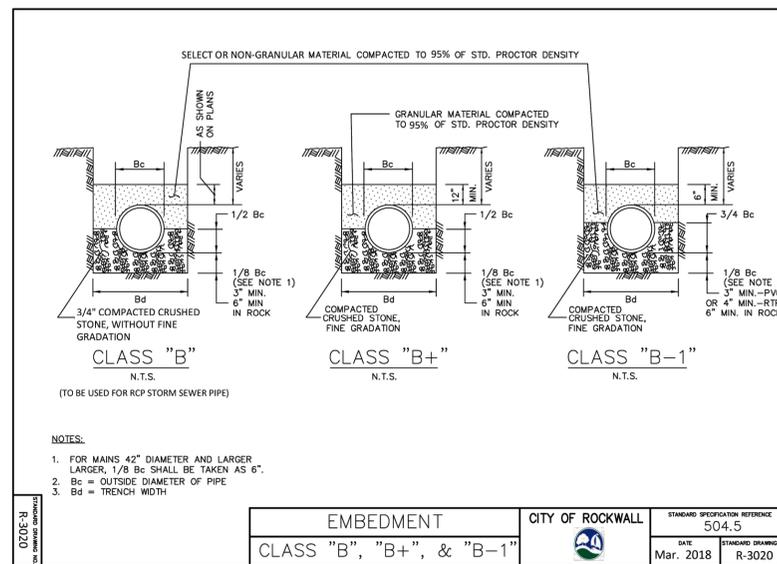


NOTES:

1. SLOPE PROTECTION SHALL BE INSTALLED ON ALL PIPES DISCHARGING INTO A POND.
2. HDPE PIPE SHALL NOT HAVE BEVELED END AND THUS SHALL UTILIZE A PRECAST HEADWALL BY OLDCASTLE PRECAST, AMERICAN INDUSTRIAL, CSR, OR HANSON PIPE.

**HEADWALL/OUTFALL DETAIL**

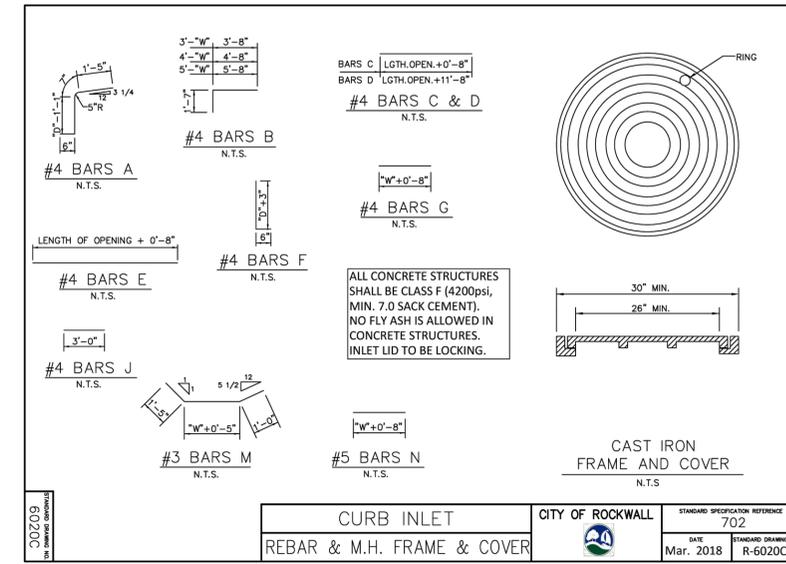
N.T.S.



NOTES:

1. FOR MAINS 42\"/>

EMBEDMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE
CLASS "B", "B+", & "B-1"		504.5
	DATE	STANDARD DRAWING NO.
	Mar. 2018	R-3020



6020C  
ON STANDARD SPECIFICATION

CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE
REBAR & M.H. FRAME & COVER		702
	DATE	STANDARD DRAWING NO.
	Mar. 2018	R-6020C



E2022-013



525 S. LOOP 288,  
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**INTEGRATED DEFENSE PRODUCTS TM**  
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CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022



KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**DRAINAGE DETAILS**

SHEET:  
**C10.0**

FULL PATH: K:\bbs\131005\_rct\dwg\Infastr\Drawings\03\_05\0303 - Production\C10.0\PACKAGE DETAILS\_LNK21005.dwg  
 PLOTTED BY: T. McNeal (10/18/2022)  
 PLOTTED DATE: 10/18/2022





E2022-013



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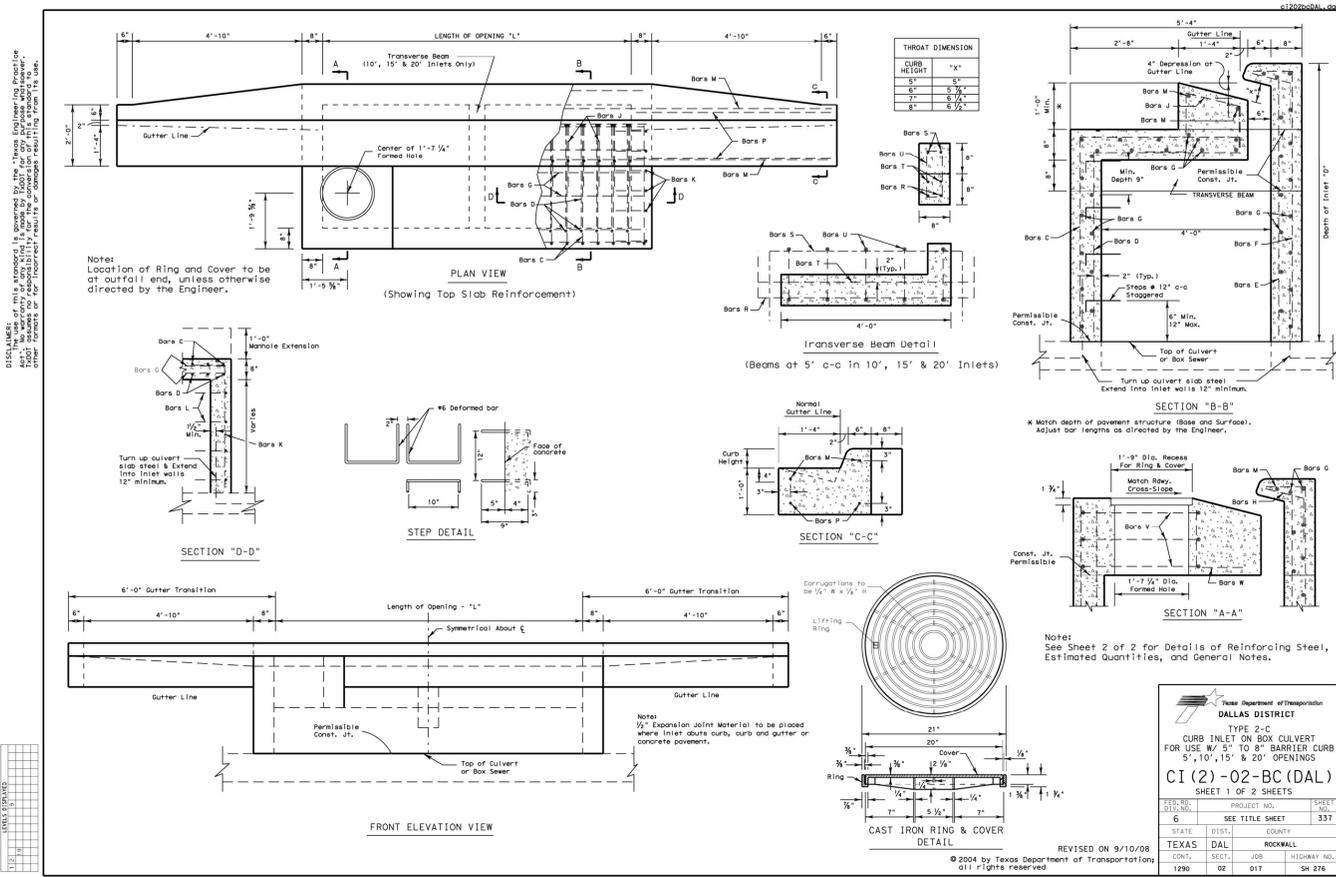
**INTEGRATED DEFENSE PRODUCTS TM**  
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BY: JEREMY B. NELSON, P.E. DATE: 05/19/2022

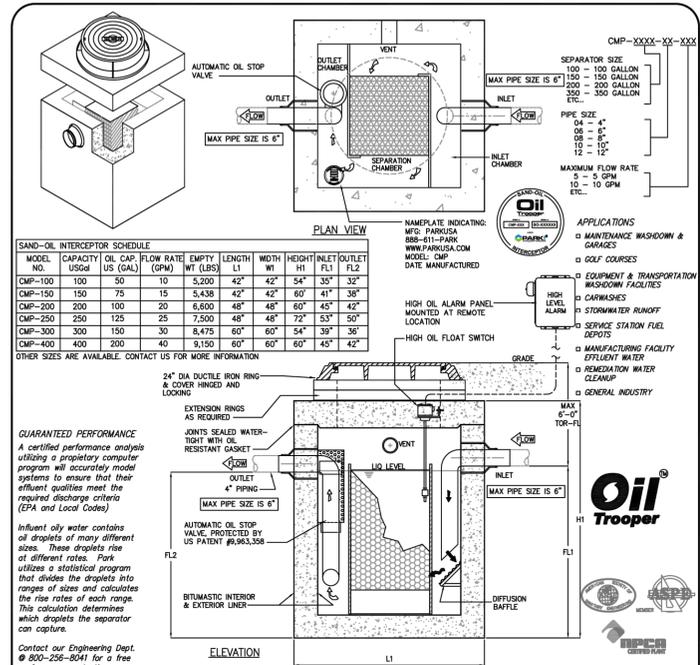


JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**DRAINAGE DETAILS**  
SHEET:  
**C10.2**



CONTRACTOR TO COORDINATE WITH THE CITY OF ROCKWALL AND VENDOR FOR FINAL SELECTION AND DESIGN OF OIL/WATER SEPARATOR



**Bill of Reinforcing Steel for Inlet Depth of 6'**

Length of Opening	#5 Bars C	#5 Bars D	#5 Bars E	#5 Bars F	#5 Bars G	#4 Bars H	#4 Bars J	#4 Bars K	#4 Bars L	#4 Bars M	#4 Bars P	#4 Bars R	#4 Bars S	#4 Bars T	#4 Bars U	#4 Bars V	#4 Bars W																			
5'	12	109.56	12	105.34	12	70.92	12	81.35	13	6.83	59.34	6	7.35	6	17.2	14	62.35	4	11.59	3	21' 6"	33.4	2	7.57	2	21.03	2	21.03	2	15.02	4	8.46	3	24.72	6	9.02
10'	22	200.86	22	193.13	22	130.03	22	149.15	13	11.83	102.73	11	13.47	11	31.54	14	62.35	4	17.59	3	21' 6"	43.42	2	7.57	2	21.03	2	21.03	2	15.02	4	8.46	3	24.72	6	9.02
15'	32	292.16	32	280.91	32	189.13	32	216.94	13	16.83	146.15	16	19.59	16	45.87	14	62.35	4	17.59	3	26' 6"	53.44	2	7.57	2	21.03	2	21.03	2	15.02	4	8.46	3	24.72	6	9.02
20'	42	383.46	42	368.7	42	248.23	42	284.74	13	21.83	189.57	21	25.72	21	60.2	14	62.35	4	17.59	3	31' 6"	63.46	2	7.57	2	21.03	2	21.03	2	15.02	4	8.46	3	24.72	6	9.02

**GENERAL NOTES**

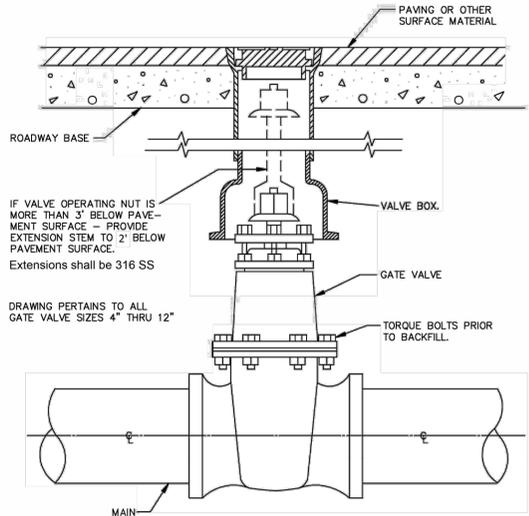
- All concrete shall be Class "A".
- Chamfer all exposed corners 3/4" except where otherwise noted.
- Dimensions related to reinforcing steel are to the centers of bars.
- Field cut and bend bars as necessary to accommodate storm drain pipe.
- Cast iron ring and cover shall conform to Item 471.
- Depths other than those shown may be used whenever necessary. Quantities for other depths within the limits of the tables may be found by interpolation.
- During Stage 1 construction, inlets will not be constructed above adjacent elevation unless permission is granted.
- A temporary wood cover shall be installed after Stage 1 is completed, and will remain in place until Stage 2 begins.
- The location of inlet as shown in the plans refers to the control point at the face of curb and mid-point of the inlet.
- Place bond breaker between inlet deck and concrete pavement. Place a sealed 1/2" expansion joint along all vertical faces abutting concrete pavement. Seal joint with Class 3, 4, 5 or 7 joint sealant.

**Summary of Quantities**

Length of Opening	C.Y. Class "A" Concrete	Lbs. Reinforcing Steel
5'	4.2	76.56
10'	6.8	113.59
15'	11.54	160.00
20'	14.78	185.25

FULL PATH: K:\bbs\131005 - revised\Industrial\Drawings\02 - E2022-013 - Drainage\C10.2 - Drainage Details.dwg  
 PLOTTED BY: Michael Mendenhall  
 PLOTTED DATE: 05/19/2022

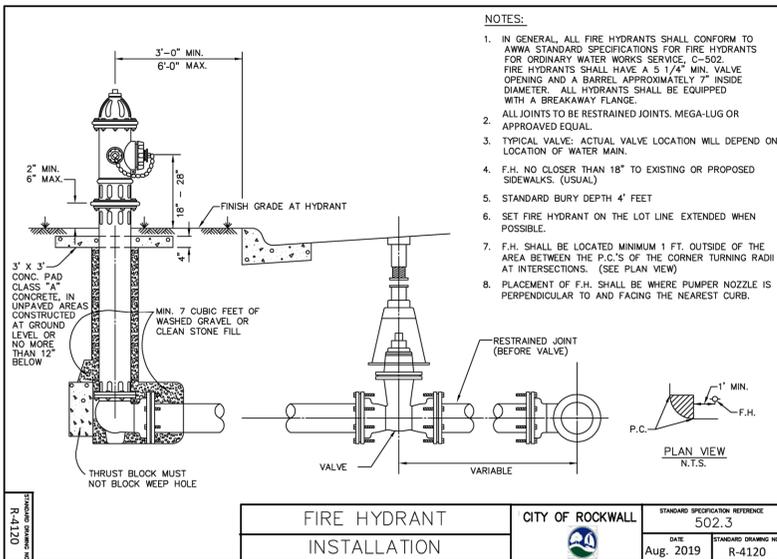
NOTE:  
IN UNPAVED AREAS, INSTALL 2' x 2' x 6" CONCRETE VALVE PAD FLUSH WITH THE TOP OF VALVE BOX. REINFORCE WITH #3 BARS ON 6" CENTERS BOTH WAYS.



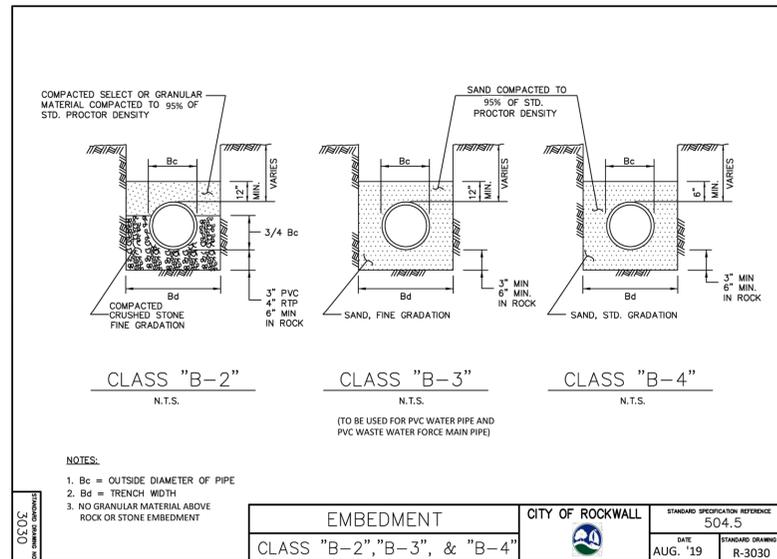
**GATE VALVE 4" TO 12"  
BOX & EXTENSION STEM**

CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.6.6*
DATE AUG. '19	STANDARD DRAWING NO. R-4050

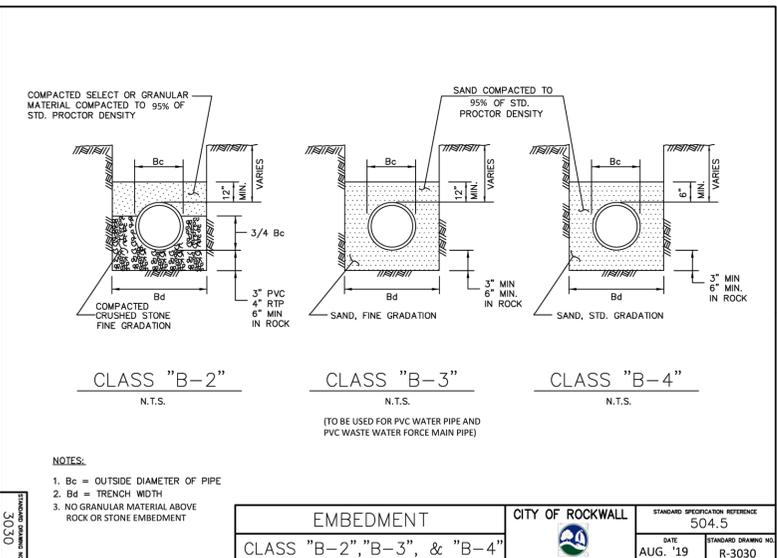
\*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. *Public Works Construction Standards North Central Texas, Fifth Edition.*



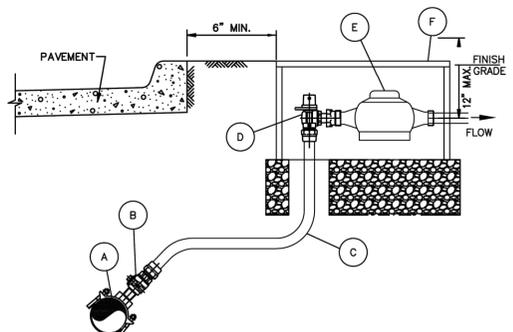
<b>FIRE HYDRANT INSTALLATION</b>	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.3
	DATE Aug. 2019	STANDARD DRAWING NO. R-4120



<b>EMBEDMENT</b>	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 504.5
CLASS "B-2", "B-3", & "B-4"	DATE AUG. '19	STANDARD DRAWING NO. R-3030



<b>EMBEDMENT</b>	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 504.5
CLASS "B-2", "B-3", & "B-4"	DATE AUG. '19	STANDARD DRAWING NO. R-3030



- NOTES:
- SERVICE PIPE SHALL BE 1" OR 2" SEAMLESS 250 PSI BLUE COLORED POLYETHYLENE ASTM D2737, SDR 9, CTS WATER SERVICE PIPE, NSF61 APPROVED.
  - TOP OF METER BOXES SHALL BE 1" ABOVE FINISHED GRADE.
  - METER BOX SHALL HAVE A MINIMUM OF 6" OF GRAVEL BENEATH METER BOX AS ILLUSTRATED.
  - LOCATION OF THE METER BOX SHALL BE LOCATED TO ALLOW 6" CLEARANCE FROM CURB.
- MATERIAL LIST:
- SERVICE SADDLE SHALL BE BRASS WITH DOUBLE BRONZE FLATTENED STRAPS OR STAINLESS STEEL DOUBLE BOLT WIDE STRAPS. NO BANDED OR HINGED STRAPS SHALL BE ALLOWED. SERVICE SADDLES SHALL MEET AWWA/CC TAPPING OUTLET (TAPERED THREADS) REQUIREMENTS. ALL SERVICE SADDLES SHALL BE PER APPROVED WATER MATERIALS LIST.
  - 1" OR 2" CORPORATION STOP PER APPROVED WATER MATERIALS LIST.
  - 1" OR 2" SERVICE PIPE SHALL BE SEAMLESS 250 PSI BLUE COLORED POLYETHYLENE ASTM D2737, SDR9, CTS WATER SERVICE PIPE, NSF61 APPROVED.
  - 1" OR 2" LOCKING ANGLE METER VALVE (STOP) PER APPROVED WATER MATERIALS LIST.
  - WATER METERS CENTERED IN BOX AS ILLUSTRATED.
  - ROUND METER BOX PER APPROVED WATER MATERIALS LIST.

<b>WATER SERVICE INSTALLATION</b>	CITY OF ROCKWALL	DATE AUG '19	DRAWING NO. R-4130
1" OR 2" LINE			



525 S. LOOP 288,  
SUITE 105  
DENTON, TX 76205  
(940) 566-5465

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CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

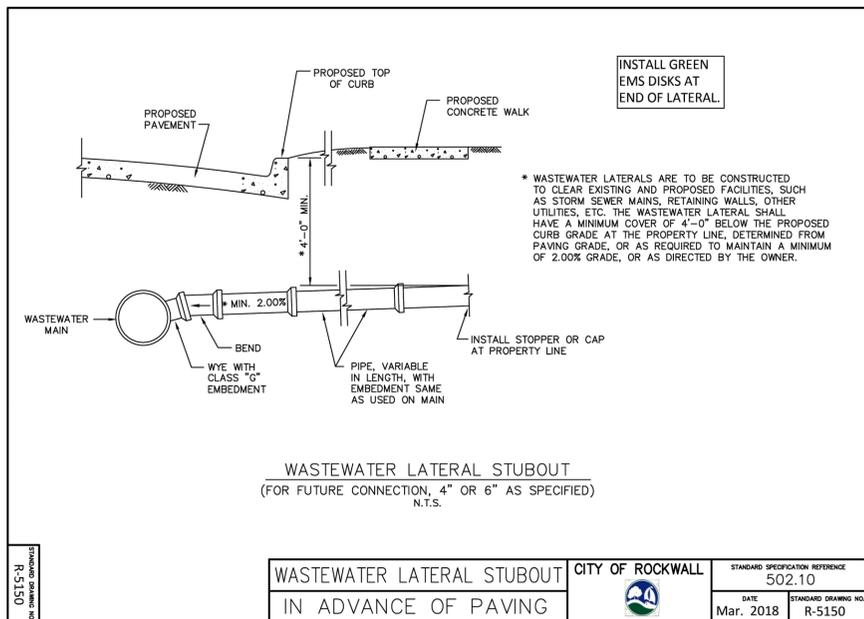
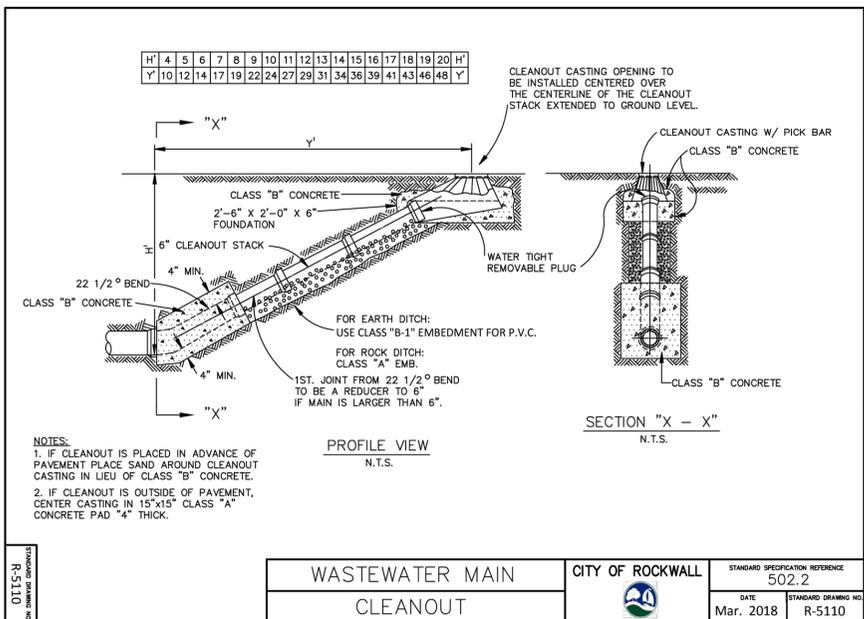
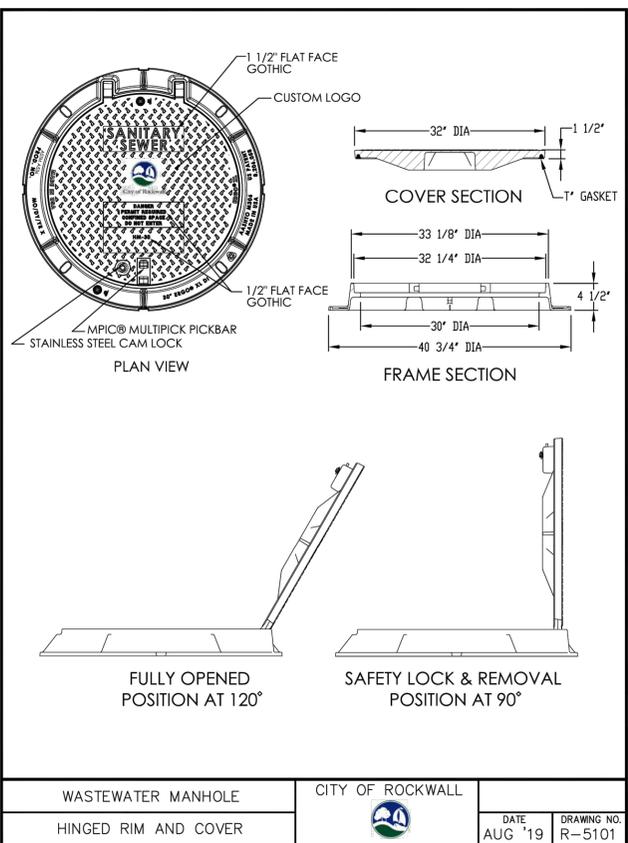
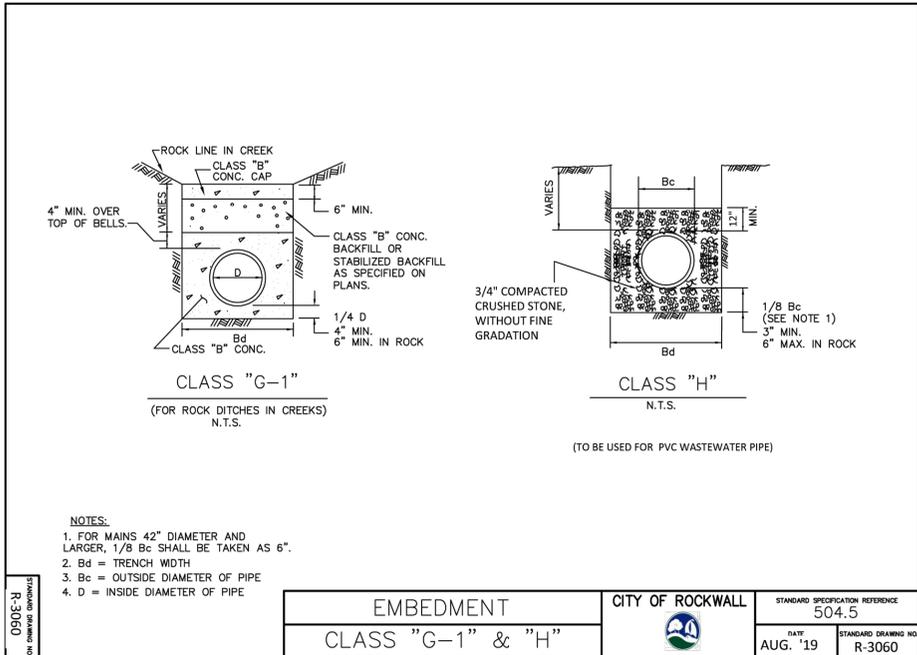
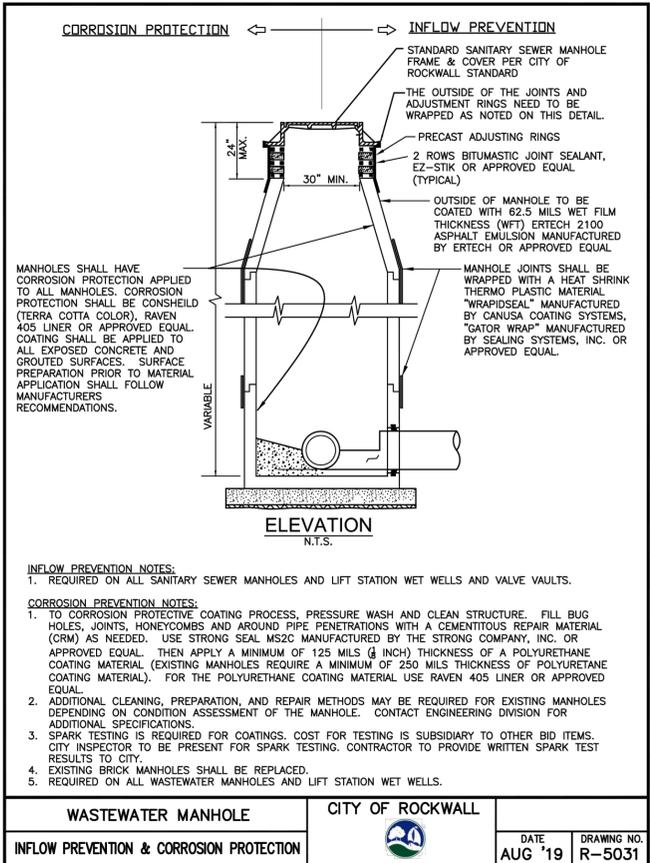
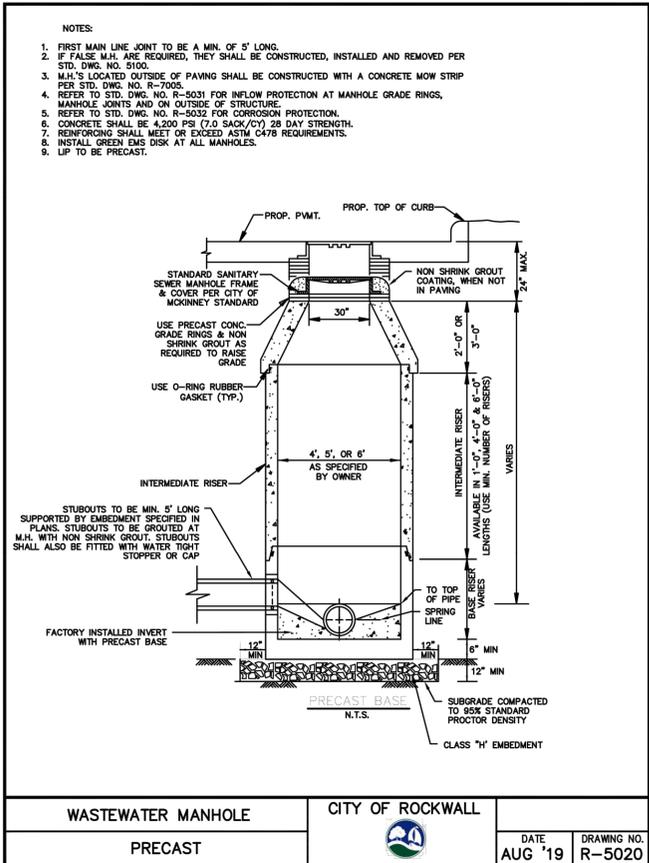
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BY: JEREMY B. NELSON, P.E. DATE: 10/02/2023



KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**WATER  
DETAILS**  
SHEET:  
**C11.0**



**INTEGRATED DEFENSE PRODUCTS™**

LOT 6, BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

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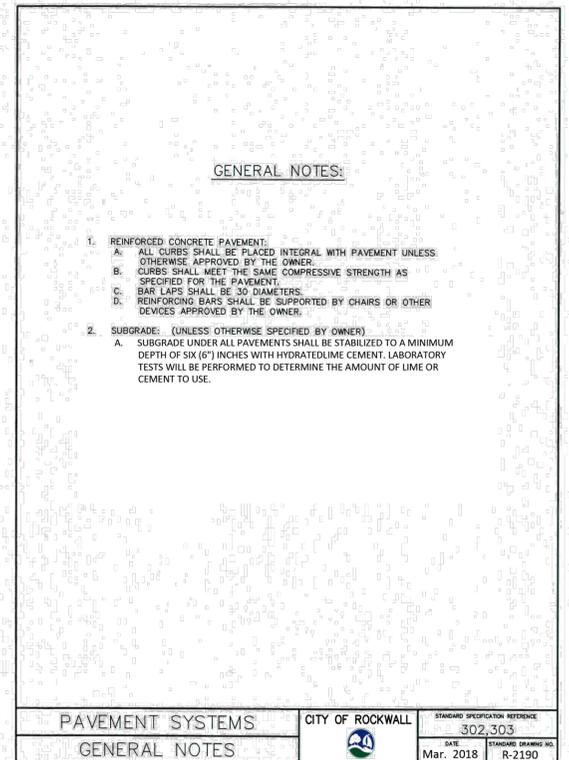
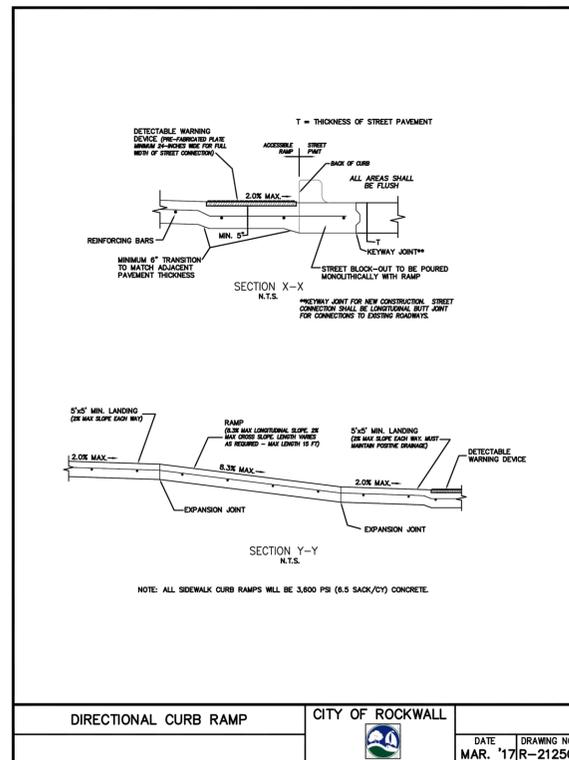
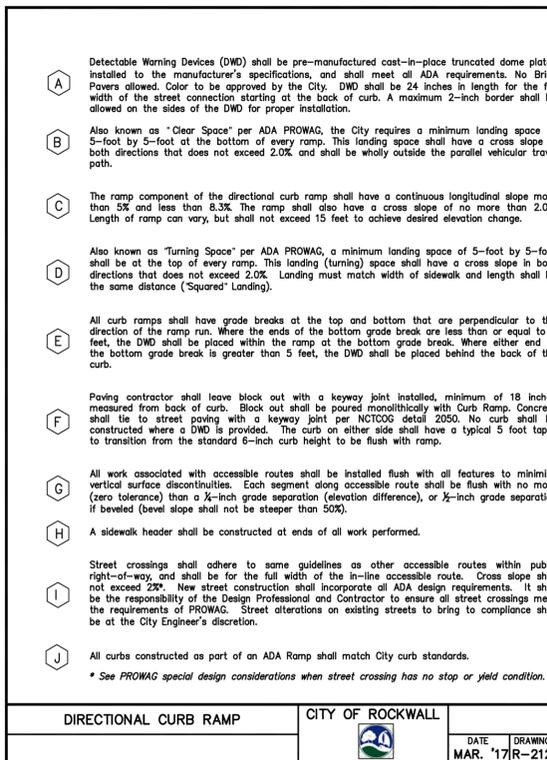
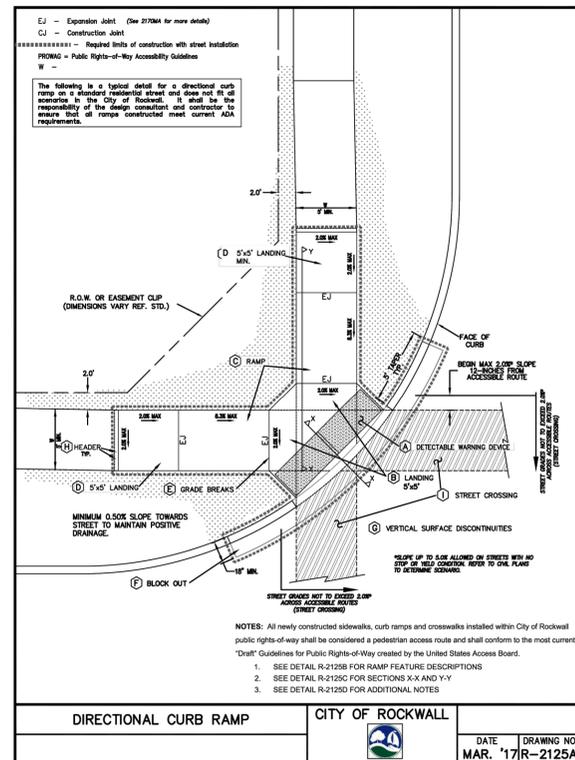
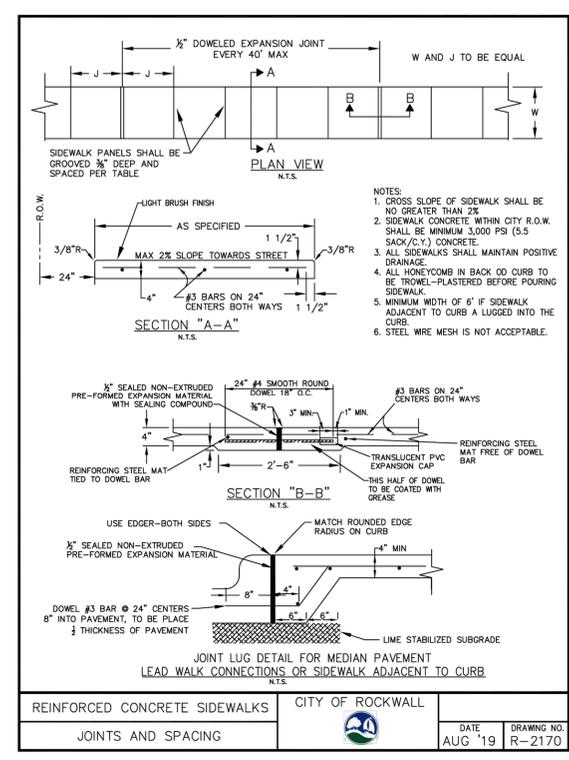
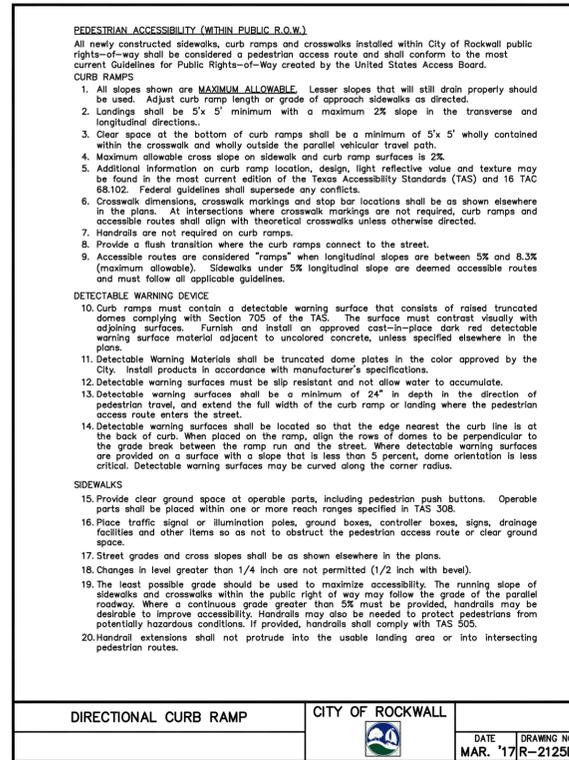
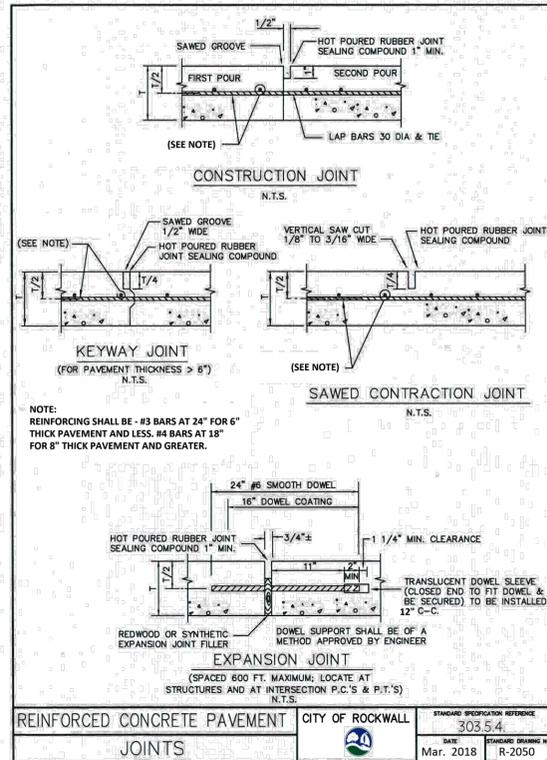
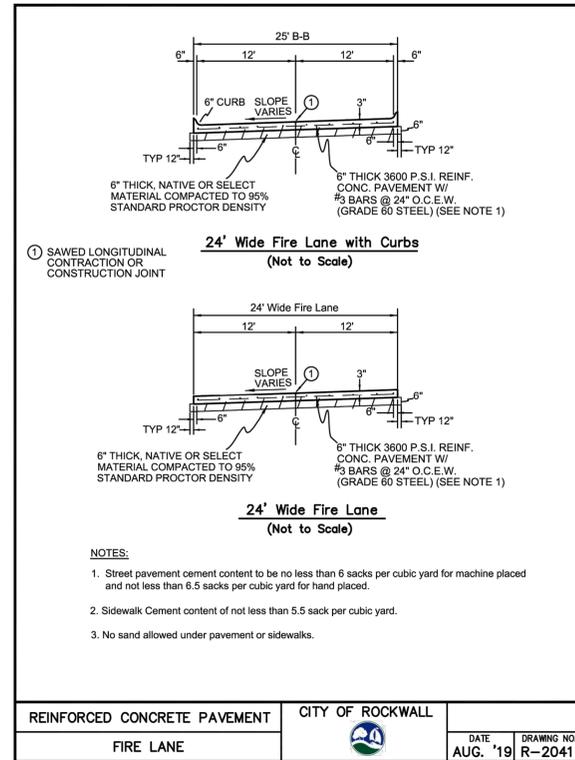
BY: JEREMY B. NELSON, P.E. DATE: 10/02/2023



JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**SANITARY SEWER DETAILS**

SHEET:  
**C12.0**



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ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

RECORD DRAWING  
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BY: JEREMY B. NELSON, P.E. DATE: 10/22/2023



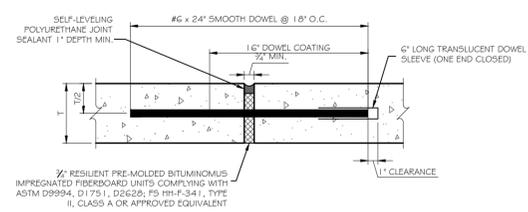
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ISSUE DATE: 05/19/2022

PAVING DETAILS  
SHEET:  
C13.0

E2022-013

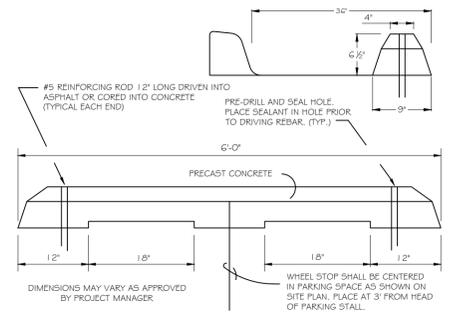
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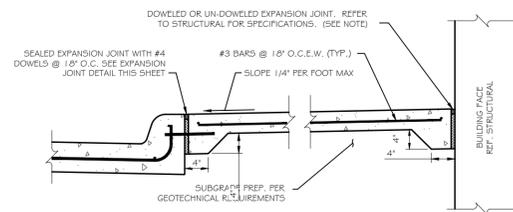


- NOTES:
1. SLEEVES FOR DOWELS SHALL HAVE AN INSIDE DIAMETER OF  $\frac{1}{2}$ " GREATER THAN THE DIAMETER OF THE DOWELS AND SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO USE.
  2. EXPANSION JOINTS SHALL BE CONSTRUCTED A MAXIMUM OF 500' APART ON STRAIGHT PAVING, AND WHERE INDICATED PER THE AMERICAN CONCRETE PAVEMENT ASSOCIATION'S TECHNICAL PUBLICATION ACPA 15061.01P (LATEST VERSION).
  3. DOWEL COATING SHALL BE ASPHALTIC COATING.
  4. DOWELS SHALL NOT BE TIED TO OTHER REINFORCEMENT.
  5. REFER TO SIDEWALK DETAILS THIS SHEET FOR EXPANSION JOINTS IN SIDEWALK AREAS.
  6. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.
  7. FINISHED SURFACES SHALL BE INSTALLED FLUSH WITH A DIFFERENTIAL ELEVATION NOT TO EXCEED  $\frac{1}{4}$ ".

**EXPANSION JOINT (ISOLATION)**  
N.T.S.

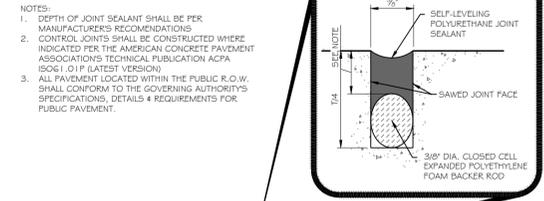


**WHEEL STOP DETAIL**  
N.T.S.



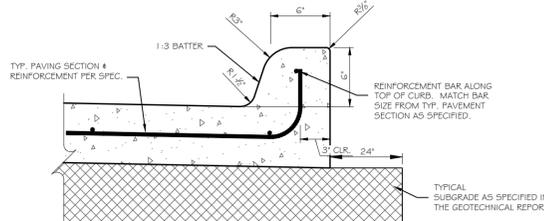
- NOTES:
1. ALL SIDEWALK JOINTS LOCATED WITHIN 25' OF A BUILDING FACE OR ADJACENT TO ANY STRUCTURE SHALL BE SEALED. REFER TO STRUCTURAL PLANS/DETAILS FOR DOWEL/HINGE JOINT AT ALL CONNECTIONS BETWEEN FOUNDATIONS/STOOPS AND PLATWORK.
  2. THE SUBGRADE PREPARATION FOR ANY PLATWORK OR SIDEWALK PAVEMENT WITHIN 25' FROM ANY BUILDING FACE OR ADJACENT TO ANY STRUCTURE SHALL AS SPECIFIED BY THE GEOTECHNICAL REPORT. IN THE EVENT THAT THE GEOTECHNICAL REPORT DOES NOT CONTAIN A RECOMMENDATION THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
  3. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.
  4. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.
  5. FINISHED SURFACES SHALL BE INSTALLED FLUSH WITH A DIFFERENTIAL ELEVATION NOT TO EXCEED  $\frac{1}{4}$ ".

**SIDEWALK/CURB/BUILDING DETAIL**  
N.T.S.



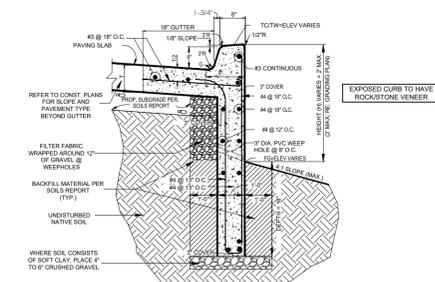
- NOTES:
1. DEPTH OF JOINT SEALANT SHALL BE PER MANUFACTURERS RECOMMENDATIONS.
  2. CONTROL JOINTS SHALL BE CONSTRUCTED WHERE INDICATED PER THE AMERICAN CONCRETE PAVEMENT ASSOCIATION'S TECHNICAL PUBLICATION ACPA 15061.01P (LATEST VERSION).
  3. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.

**CONTROL JOINT (CONTRACTION)**  
N.T.S.



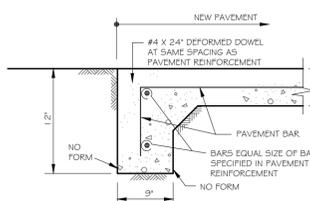
- NOTE:
1. ALL CURBS ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE SHOWN.
  2. GRADES SHALL BE MEASURED AT BACK OF CURB UNLESS OTHERWISE SPECIFIED.
  3. ALL PAVEMENT LOCATED WITHIN THE PUBLIC R.O.W. SHALL CONFORM TO THE GOVERNING AUTHORITY'S SPECIFICATIONS, DETAILS & REQUIREMENTS FOR PUBLIC PAVEMENT.
  4. CONTROL JOINTS THROUGH CURB SHALL BE SEALED IN THE PAVEMENT AND TERMINATE AT THE GUTTER.

**MONOLITHIC CURB DETAIL**  
N.T.S.

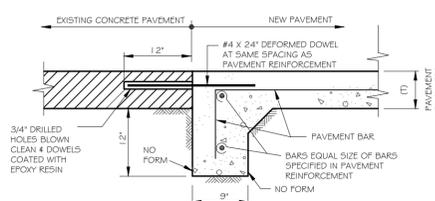


1. THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3,500 PSI AND SHALL COMPLY WITH ACI 318.
2. REINFORCING STEEL SHALL COMPLY WITH ASTM A615 AND SHALL HAVE A YIELD STRENGTH OF 60,000 PSI.
3. BACKFILLING AGAINST REINFORCED TALL CURB SHALL NOT BE PERMITTED UNTIL CONCRETE HAS REACHED ITS 28 DAY STRENGTH. CARE SHALL BE TAKEN TO AVOID EXERTING LARGE IMPACT FORCES ON THE TALL CURB.

**DEEP CURB**  
N.T.S.

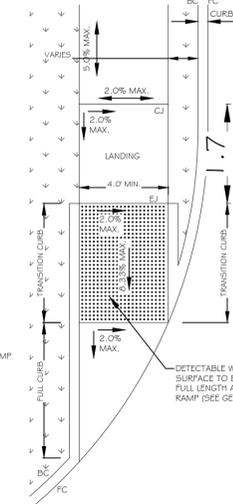
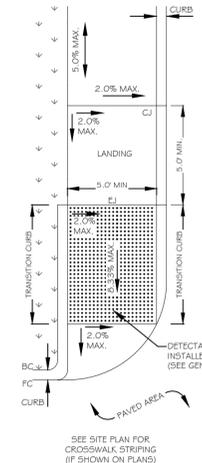


**THICKENED PAVEMENT EDGE**  
N.T.S.



**STREET HEADER AT EXISTING PAVEMENT**  
N.T.S.

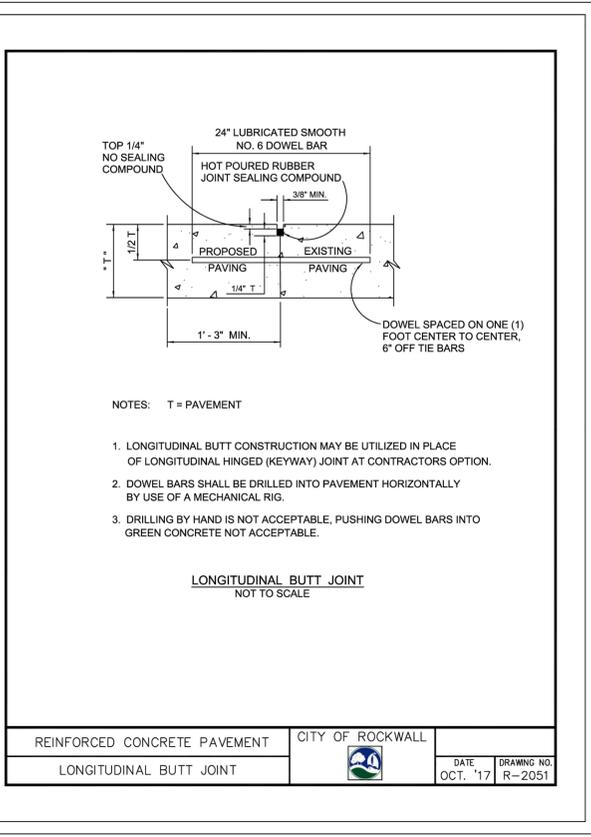
**DIRECTIONAL RAMP WITHIN RADIUS DETAIL**  
N.T.S. - SIDEWALK ADJACENT TO CURB



**DIRECTIONAL RAMP WITHIN RADIUS DETAIL**  
N.T.S. - SIDEWALK SET BACK FROM CURB

**GENERAL NOTES**

- NOTES:
1. TRUNCATED DOWNS NOT TO EXCEED 2% ON ANY PORTION OF RAMP OR TRANSITION SURFACE.
  2. RAMP SURFACES SHALL BE CONSTRUCTED PER ADA 4 APPLICABLE STATE ACCESSIBILITY STANDARDS.
  3. CURB RAMP SURFACES SHALL BE MONOLITHIC FOUR (4) SEPARATED FROM SITE PAVING WITH A DOWELED EXPANSION JOINT.
- DETECTABLE WARNING SURFACE:
1. TRUNCATED DOWNS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
  2. TRUNCATED DOWNS TO RUN PARALLEL TO PEDESTRIAN TRAVEL.
  3. DETECTABLE WARNING PAVES, OR PLATES MEETING ADA 4 STATE REQUIREMENTS ARE ACCEPTABLE.
- GROOVED SURFACE:
1. CURB RAMP SURFACES SHALL BE TEXTURED WITH GROOVES  $\frac{1}{4}$ " DEEP,  $\frac{3}{4}$ " WIDE, 2" APART AND ARRANGED SO THAT WATER WILL NOT ACCUMULATE IN THE GROOVES.
  2. CURB RAMP SURFACE SHALL HAVE A LIGHT REFLECTIVE VALUE AND TEXTURE THAT SIGNIFICANTLY CONTRASTS WITH THAT OF THE ADJOINING PEDESTRIAN ROUTE.



- NOTES: T = PAVEMENT
1. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
  2. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
  3. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

**LONGITUDINAL BUTT JOINT**  
NOT TO SCALE



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CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS  
(2.508 ACRES) J.M. ALLEN SURVEY A-2

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BY: JEREMY B. NELSON, P.E. DATE: 10/02/2022



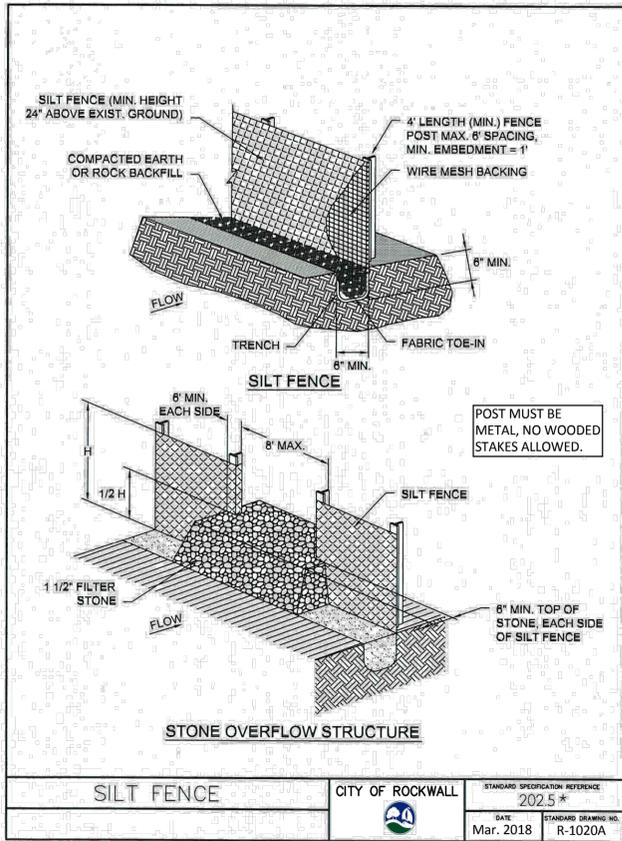
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEEVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**PAVING DETAILS**

SHEET:  
**C13.1**

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\*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

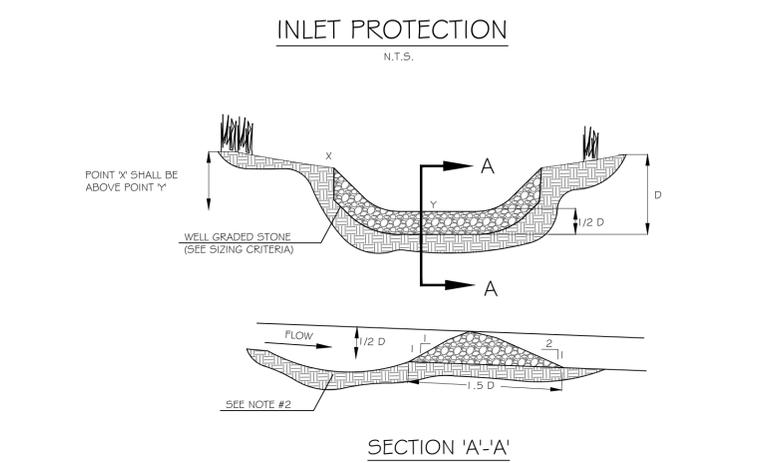
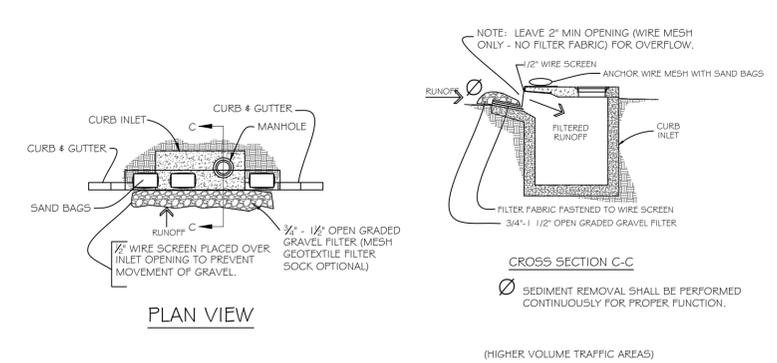
SILT FENCE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 202.5*
		DATE Mar. 2018
		STANDARD DRAWING NO. R-1020A

**SILT FENCE GENERAL NOTES:**

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WIRE BACKING, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. FILTER STONE SHALL BE WRAPPED IN FILTER FABRIC AND BURIED SIX (6") INCHES MINIMUM.

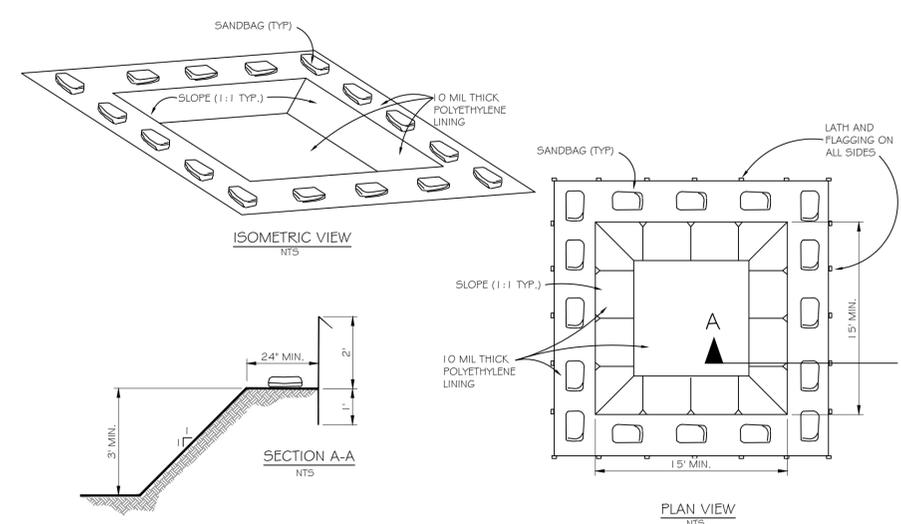
SILT FENCE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 202.5*
		DATE Mar. 2018
		STANDARD DRAWING NO. R-1020B

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**ROCK CHECK DAM GENERAL NOTES:**

1. STONE SHALL BE WELL GRADED WITH SIZE RANGE FROM 3" TO 8" IN DIAMETER DEPENDING ON EXPECTED FLOWS.
2. CONTRACTOR SHALL EXCAVATE A DEPRESSION AT UPSTREAM FACE TO ALLOW FOR ACCUMULATION OF SILTATION.
3. THE CHECK DAM SHALL BE INSPECTED AS SPECIFIED IN THE SWPPP AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE CHECK DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
5. WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED, THE CHECK DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.



**NOTES**

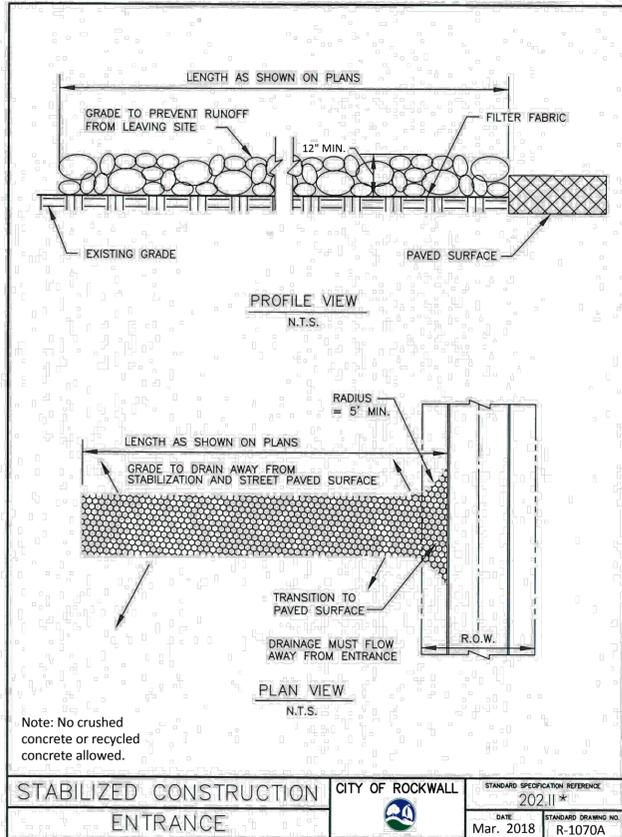
1. Actual layout, size and location to be determined by Contractor.
2. The concrete washout sign shall be installed within 30 ft. of the temporary concrete washout facility.
3. Once concrete wastes are allowed to harden, the concrete should be broken up, removed and disposed of properly. Dispose of hardened concrete on a regular basis.

**STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:**

1. STONE SHALL BE 4 TO 6 INCH DIAMETER COARSE AGGREGATE.
2. MINIMUM LENGTH SHALL BE 50 FEET AND WIDTH SHALL BE 20 FEET.
3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
8. PREVENT SHORTCUTTING OF THE FULL LENGTH OF THE CONSTRUCTION ENTRANCE BY INSTALLING BARRIERS AS NECESSARY.
9. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.
10. NO CRUSHED OR RECYCLED CONCRETE ALLOWED.

STABILIZED CONSTRUCTION ENTRANCE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 202.11*
		DATE Mar. 2018
		STANDARD DRAWING NO. R-1070B

\*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.



STABILIZED CONSTRUCTION ENTRANCE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 202.11*
		DATE Mar. 2018
		STANDARD DRAWING NO. R-1070A

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**TEMPORARY CONCRETE WASHOUT AREA**

N.T.S.



**LINKS CONSTRUCTION**

BUILDING & DEVELOPING THE FUTURE

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BY: JEREMY B. NELSON, P.E.

**Kirkman Engineering**

KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEYVILLE, TX 76034  
TEXAS FIRM NO. 15874

JOB NUMBER: LNK21005  
ISSUE DATE: 05/19/2022

**EROSION CONTROL DETAILS**

SHEET:  
**C14.0**

FILE PATH: K:\bbs\13005\_revised\IndustrialDrawings\03\_05\0303 - Production\0303 PRODUCTION CONTROL DETAILS\_LNK21005.dwg  
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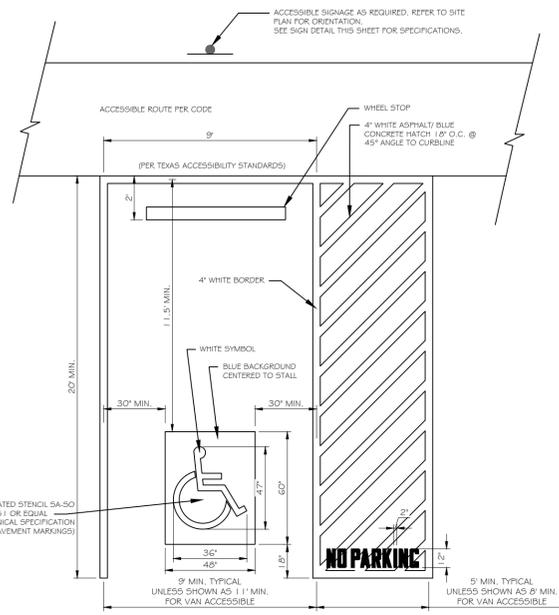
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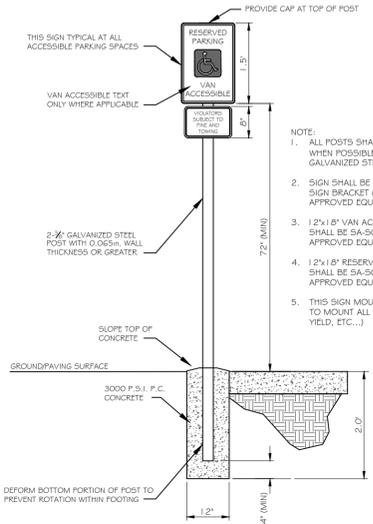
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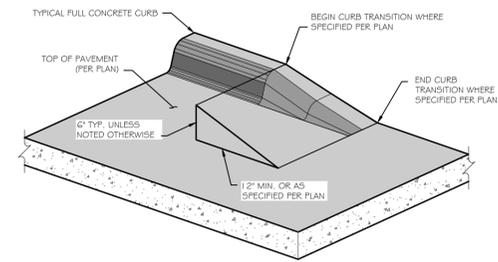
- NOTES:
1. RE: SITE PLAN FOR LOCATION OF ADA PARKING SPACES AND ACCESSIBLE IN RELATIONSHIP TO THE DOOR LOCATION. (THIS DETAIL IS FOR STRIPING LAYOUT ONLY)
  2. PARKING STRIPES AND THE ADA INTERNATIONAL HANDICAP SYMBOL ARE TO BE PAINTED PER THE MANUFACTURER'S RECOMMENDATIONS.
  3. THE WORDS "NO PARKING" SHALL BE PAINTED ON ANY ACCESSIBLE ADJACENT TO THE PARKING SPACE. THE WORDS MUST BE PAINTED IN ALL CAPITAL LETTERS, WITH A LETTER HEIGHT OF AT LEAST TWELVE INCHES, AND A STROKE WIDTH OF AT LEAST TWO INCHES.

**ACCESSIBLE PARKING SPACE**  
N.T.S.



- NOTE:
1. ALL POSTS SHALL BE PLACED IN A TURF AREA WHEN POSSIBLE WITH A 2-1/2" DIAMETER GALVANIZED STEEL POST.
  2. SIGN SHALL BE ATTACHED WITH EXTRUDED SIGN BRACKET (SA-SO ITEM # 03154 OR APPROVED EQUIVALENT).
  3. 12" X 18" VAN ACCESSIBLE PARKING SIGN SHALL BE SA-SO ITEM #09146D OR APPROVED EQUIVALENT.
  4. 12" X 18" RESERVED ACCESSIBLE PARKING SIGN SHALL BE SA-SO ITEM #09345 ND OR APPROVED EQUIVALENT.
  5. THIS SIGN MOUNTING DETAIL IS TO BE USED TO MOUNT ALL SITE SIGNS (STOP, ONEWAY, YIELD, ETC.,)

**SIGN MOUNTING DETAIL**  
N.T.S.



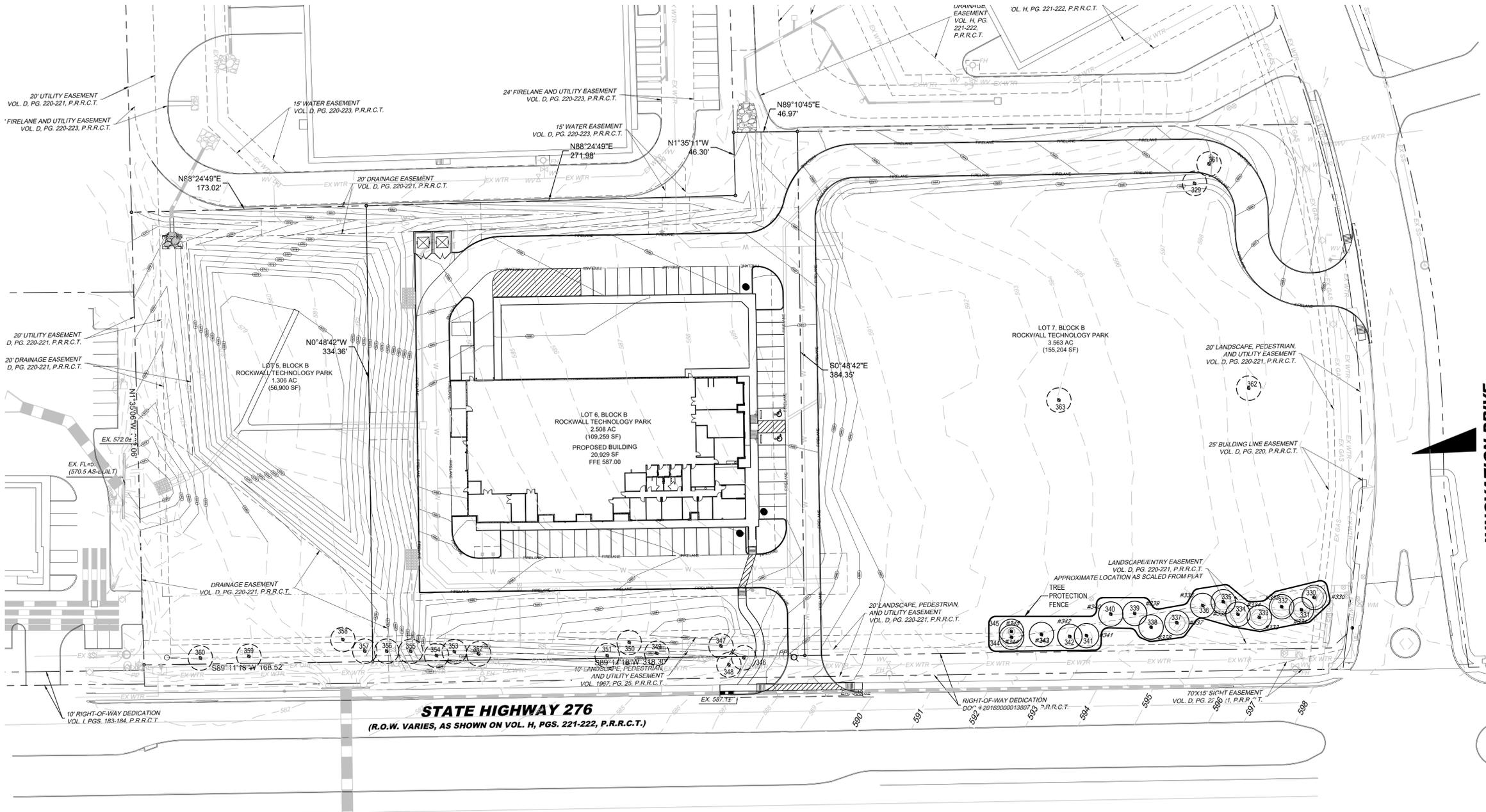
**CURB TRANSITION/TERMINATION**  
N.T.S.

FULL PATH: K:\bbs\121005\_rmkw\1\Industrial\Drawings\02\_05R0103 - Production\C15.0 SITE DETAILS\_LNK21005.dwg  
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 PLOTTED BY: Michael McInerney  
 PLOTTED DATE: 05/19/2022



04.07.2022

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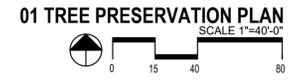
- EXISTING TREE LEGEND**
- EXISTING TREE TO REMAIN
  - EXISTING TREE TO BE REMOVED
  - TREE PROTECTION FENCING TO REMAIN DURING CONSTRUCTION REFER TO DIAL 100

**EXISTING TREE NOTES**

- Existing trees to remain shall be protected during construction from tree structure damage and compaction of soil under and around dripline (canopy) of tree.
- If any root structure is damaged during adjacent excavation/construction, notify the Architect immediately. It is recommended that a licensed Arborist be secured for the treatment of any possible tree wounds.
- No disturbance of the soil greater than 4" shall be located closer to the tree trunk than 1/2 the distance of the drip line to the tree trunk. A minimum of 75% of the drip line and root zone shall be preserved at natural grade.
- Any fine grading done within the critical root zones of the protected trees must be done with light machinery such as a bobcat or light tractor. No earth moving equipment with tracks is allowed within the critical root zone of the trees.
- Material Storage: No materials intended for use in construction or waste materials accumulated due to excavation or demolition shall be placed within the limits of the dripline of any tree.
- Equipment Cleaning/Liquid Disposal: No equipment may be cleaned, toxic solutions, or other liquid chemicals shall be disposed within the limits of the dripline of a tree. This would include but not be limited to paint, oil, solvents, asphalt, concrete, mortar, primers, etc.
- Tree Attachments: No signs, wires or other attachments, other than those of a protective nature shall be attached to any tree.
- Vehicular Traffic: No vehicular and construction equipment traffic or parking is allowed within the limits of the dripline of trees.
- Boring of Utilities: May be permitted under protected trees in certain circumstances. The minimum length of the bore shall be the width of the tree's canopy and shall be a minimum depth of forty-eight (48") inches.
- Trenching: Any irrigation trenching which must be done within the critical root zone of a tree shall be dug by hand and enter the area in a radial manner.
- Tree Flagging: All trees to be removed from the site shall be flagged by the Contractor with bright red vinyl tape (3" width) wrapped around the main trunk at a height of four (4) feet above grade. Flagging shall be approved by Landscape Architect prior to any tree removal. Contractor shall contact Landscape Architect with 72 hour notice to schedule on-site meeting.
- Protective Fencing: All trees to remain, as noted on drawings, shall have protective fencing located at the tree's dripline. The protective fencing may be comprised of snow fencing, orange vinyl construction fencing, chain link fence or other similar fencing with a four (4) foot approximate height. The protective fencing will be located as indicated on the Tree Protection Detail(s).
- Bark Protection: In situations where a tree remains in the immediate area of intended construction, the tree shall be protected by enclosing the entire circumference of the tree's trunk with lumber encircled with wire or other means that does not damage the tree. Refer to Tree Protection Detail(s).
- Construction Pruning: In a case where a low hanging limb is broken during the course of construction, the Contractor shall notify the Landscape Architect immediately. In no instance shall the Contractor prune any portion of the damaged tree without the prior approval by the Landscape Architect.

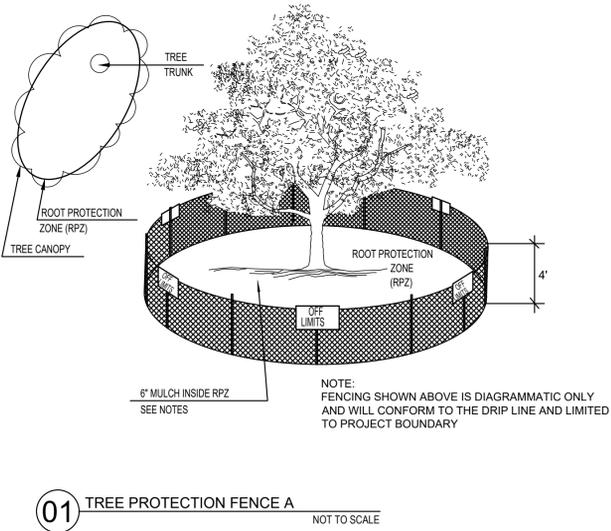
**INNOVATION DRIVE**  
(60 R.O.W., AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)

**STATE HIGHWAY 276**  
(R.O.W. VARIES, AS SHOWN ON VOL. H, PGS. 221-222, P.R.R.C.T.)



EXISTING TREES PREVIOUS BUILDING DEVELOPMENT

NO.	DIA. INCHES	SPECIES (COMMON NAME)	REMARKS	MITIGATION REQUIRED
329	11	CEDAR	TO BE REMOVED	11
330	15	CEDAR	TO REMAIN	
331	11	CEDAR	TO REMAIN	
332	14	CEDAR	TO REMAIN	
333	12	CEDAR	TO REMAIN	
334	13	CEDAR	TO REMAIN	
335	12	CEDAR	TO REMAIN	
336	15	CEDAR	TO REMAIN	
337	12	CEDAR	TO REMAIN	
338	14	CEDAR	TO REMAIN	
339	15	CEDAR	TO REMAIN	
340	15	CEDAR	TO REMAIN	
341	22	CEDAR MULTI-TRUCK	TO REMAIN	
342	15	CEDAR	TO REMAIN	
343	18	CEDAR	TO REMAIN	
344	14	CEDAR	TO REMAIN	
345	5	HERCULES CLUB	TO REMAIN	
346	7	OAK	TO BE REMOVED	7
347	6	OAK	TO BE REMOVED	6
348	7	OAK	TO BE REMOVED	7
349	6	OAK	TO BE REMOVED	6
350	5	OAK	TO BE REMOVED	5
351	5	OAK	TO BE REMOVED	5
352	7	OAK	TO BE REMOVED	7
353	8	OAK	TO BE REMOVED	8
354	5	OAK	TO BE REMOVED	5
355	11	OAK	TO BE REMOVED	11
356	9	OAK	TO BE REMOVED	9
357	10	OAK	TO BE REMOVED	10
358	8	OAK	TO BE REMOVED	8
359	9	OAK	TO BE REMOVED	9
360	7	OAK	TO BE REMOVED	7
361	17	CEDAR MULTI-TRUCK	TO BE REMOVED	17
362	13	CEDAR	TO BE REMOVED	13
363	15	CEDAR MULTI-TRUCK	TO BE REMOVED	15



**SITE DATA SUMMARY TABLE**

GENERAL SITE DATA		LOT 4
ZONING		LI - LIGHT INDUSTRIAL
LAND USE		OFFICE/WAREHOUSE
LOT AREA		109,258 SF / 2.50 AC
BUILDING FOOTPRINT AREA		20,930 SF
TOTAL BUILDING AREA		3,765 SF OFFICE 17,165 SF WAREHOUSE TOTAL 20,930 SF
BUILDING HEIGHT (# STORIES)		1
BUILDING HEIGHT		29'-8"
LOT COVERAGE		12.59%
FLOOR AREA RATIO		0.13
PARKING		
PARKING RATIO		OFFICE: ONE SPACE PER 300 SF WAREHOUSE: ONE SPACE PER 1000 SF
REQUIRED PARKING (# SPACES)		31
PROVIDED PARKING (# SPACES)		50
ACCESSIBLE PARKING REQUIRED (# SPACES)		2
ACCESSIBLE PARKING PROVIDED (# SPACES)		2

**APPROVED:**  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

WITNESS OUR HANDS, THIS \_\_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Planning & Zoning Commission, Chairman

\_\_\_\_\_  
Director of Planning and Zoning

**OWNER**  
ROCKWALL TECHNOLOGY PARK  
PO BOX 968  
ROCKWALL, TX 75087  
PH: (972) 772-0025  
CONTACT: PHIL WAGNER

**LANDSCAPE PLAN**  
CITY PROJECT CASE NO. SP2022-005  
**INTEGRATED DEFENSE PRODUCTS TM**  
7.38 ACRES  
LOT 4 BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
J.M. ALLEN SURVEY ABSTRACT NO. 2  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS  
PREPARATION DATE: 03/01/2022

**APPLICANT**  
LINKS CONSTRUCTION  
525 S. LOOP 288, SUITE 105  
DENTON, TX 76034  
PH: 940-783-0920  
CONTACT: ALISON WINGET, PE

**LANDSCAPE ARCHITECT**  
STUDIO GREEN SPOT, INC.  
1784 W. McDERMOTT DR. STE. 110  
ALLEN, TX 75013  
PH: 469-369-4448  
CONTACT: CHRIS TRONZANO, RLA

**ENGINEER**  
KIRKMAN ENGINEERING, L.L.C.  
5200 STATE HIGHWAY 121  
COLLEVILLE, TX 76034  
PH: 817-488-4960  
CONTACT: JEREMY NELSON, PE

**SURVEYOR**  
BARTON CHAPPA SURVEYING  
5200 STATE HIGHWAY 121  
COLLEVILLE, TX 76034  
PH: 817-864-1957  
CONTACT: JACK BARTON, RPLS

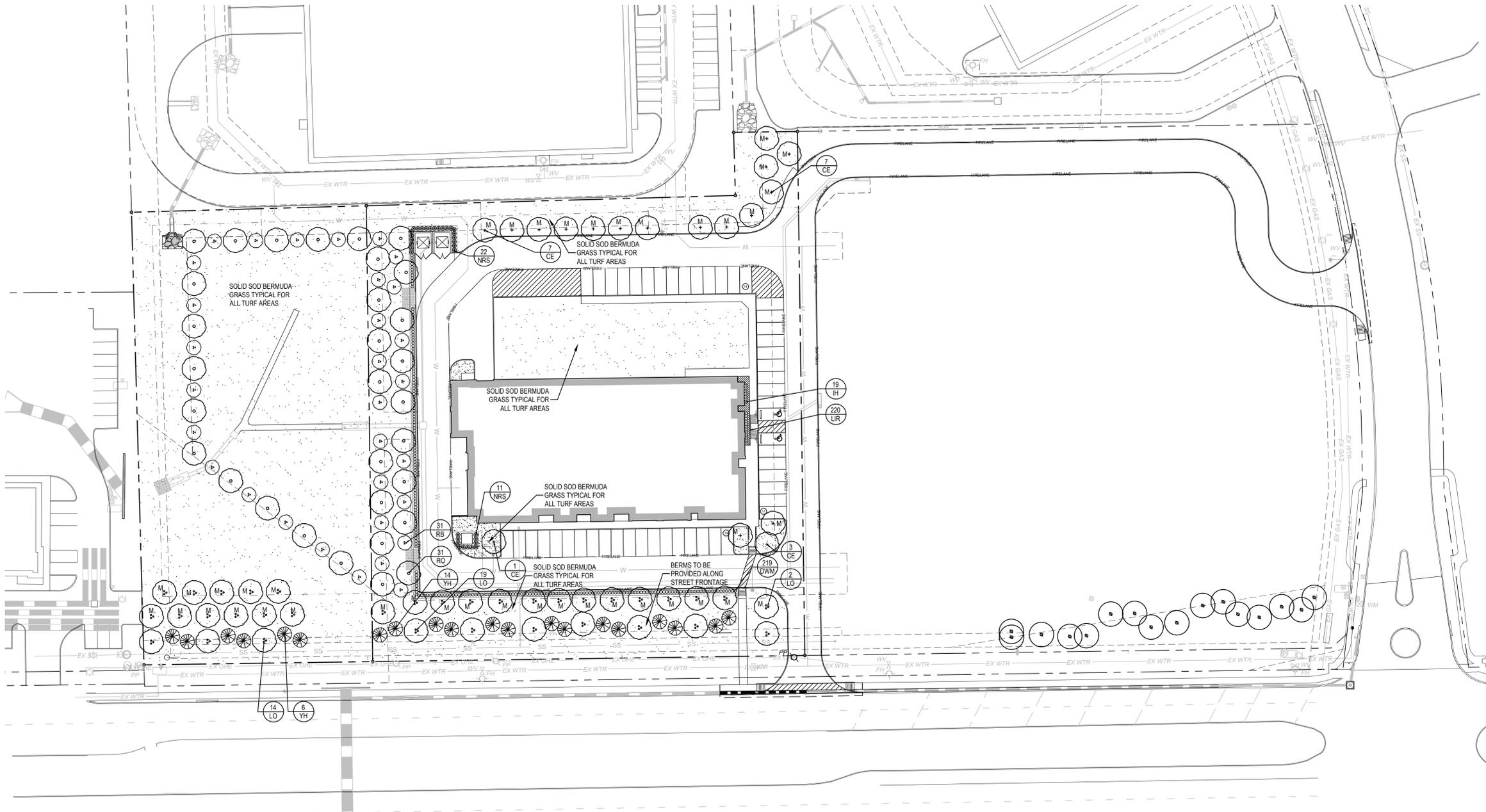
**ISSUE:**  
FOR APPROVAL 02.04.2022  
CITY COMMENTS 02.18.2022  
CITY COMMENTS 03.03.2022  
CITY COMMENTS 03.09.2022  
CITY COMMENTS 04.07.2022

**DATE:**  
04.07.2022

**SHEET NAME:**  
TREE PRESERVATION PLAN

**SHEET NUMBER:**  
L.1

TOTAL MITIGATION REQUIRED: 166 CAL. INCHES  
MITIGATION PROVIDED: 402 4" CALIPER TREES  
TOTAL INCHES OF MITIGATION TREES PLANTED ON SITE: 168 CAL. INCHES



- SOLID SOD NOTES**
- FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL DESIRED GRADE IN PLANTING AREAS AND 1" BELOW FINAL GRADE IN TURF AREAS.
  - ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
  - ALL LAWN AREAS TO RECEIVE SOLID SOD SHALL BE LEFT IN A MAXIMUM OF 1" BELOW FINAL FINISH GRADE. CONTRACTOR TO COORDINATE OPERATIONS WITH ON-SITE CONSTRUCTION MANAGER.
  - CONTRACTOR TO COORDINATE WITH ON-SITE CONSTRUCTION MANAGER FOR AVAILABILITY OF EXISTING TOPSOIL.
  - PLANT SOD BY HAND TO COVER INDICATED AREA COMPLETELY. INSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL VOIDS.
  - ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE, FREE FROM UNNATURAL UNDULATIONS.
  - WATER SOD THOROUGHLY AS SOD OPERATION PROGRESSES.
  - CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS UNTIL FINAL ACCEPTANCE. THIS SHALL INCLUDE, BUT NOT LIMITED TO: MOWING, WATERING, WEEDING, CULTIVATING, CLEANING AND REPLACING DEAD OR BARE AREAS TO KEEP PLANTS IN A VIGOROUS, HEALTHY CONDITION.
  - CONTRACTOR SHALL GUARANTEE ESTABLISHMENT OF AN ACCEPTABLE TURF AREA AND SHALL PROVIDE REPLACEMENT FROM LOCAL SUPPLY IF NECESSARY.
  - IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1 AND MARCH 1, ALL SOD AREAS TO BE OVER-SEEDED WITH WINTER RYEGRASS, AT A RATE OF (4) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.

- LANDSCAPE NOTES**
- CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.
  - CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY ARCHITECT OF ANY CONFLICTS. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
  - CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.
  - CONTRACTOR TO PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
  - ALL PLANTING BEDS AND LAWN AREAS TO BE SEPARATED BY STEEL EDGING. NO STEEL TO BE INSTALLED ADJACENT TO SIDEWALKS OR CURBS.
  - ALL LANDSCAPE AREAS TO BE 100% IRRIGATED WITH AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM AND SHALL INCLUDE RAIN AND FREEZE SENSORS.
  - ALL LAWN AREAS TO BE SOLID SOD BERMUDAGRASS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - DECOMPOSED GRANITE SHALL BE (3) THREE INCHES DEEP W/ FILTER FABRIC BETWEEN NATIVE SOIL AND GRANITE.

- GENERAL LAWN NOTES**
- FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS INDICATED ON CIVIL PLANS.
  - ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
  - ALL LAWN AREAS TO RECEIVE SOLID SOD SHALL BE LEFT IN A MAXIMUM OF 1" BELOW FINAL FINISH GRADE. CONTRACTOR TO COORDINATE OPERATIONS WITH ON-SITE CONSTRUCTION MANAGER.
  - IMPORTED TOPSOIL SHALL BE NATURAL, FRIABLE SOIL FROM THE REGION, KNOWN AS BOTTOM AND SOIL, FREE FROM LUMPS, CLAY, TOXIC SUBSTANCES, ROOTS, DEBRIS, VEGETATION, STONES, CONTAINING NO SALT AND BLACK TO BROWN IN COLOR.
  - ALL LAWN AREAS TO BE FINE GRADED, IRRIGATION TRENCHES COMPLETELY SETTLED, AND FINISH GRADE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER OR ARCHITECT PRIOR TO INSTALLATION.
  - ALL ROCKS 3/4" DIAMETER AND LARGER, DIRT CLODS, STICKS, CONCRETE SPOILS, ETC. SHALL BE REMOVED PRIOR TO PLACING TOPSOIL AND ANY LAWN INSTALLATION.
  - CONTRACTOR SHALL PROVIDE (1") ONE INCH OF IMPORTED TOPSOIL ON ALL AREAS TO RECEIVE LAWN.

- IRRIGATION NOTE:**
- ALL IRRIGATION WILL MEET THE REQUIREMENTS OF THE UDC.

**LANDSCAPE TABULATIONS:**

**SITE REQUIREMENTS** (site area 166,159 s.f.)  
Requirements: 15% site area to be landscaped

Required	Provided
24,924 s.f. (15%)	91,875 s.f. (55%)

**FRONT YARD REQUIREMENTS**  
Requirements: 50% of required landscape must be located in front yard

Required	Provided
12,462 s.f. (50%)	30,208 s.f. (121%)

**STREET REQUIREMENTS**  
Requirements: (2) canopy tree, 4" cal. & (4) accent tree, 4" ht. per 100 l.f. of frontage

**STATE HIGHWAY 276 (487 l.f.)**

Required	Provided
(10) canopy trees	(10) canopy trees
(20) accent trees	(20) accent trees

**PARKING LOT REQUIREMENTS** (50 spaces)  
Requirements: (1) canopy tree, 4" cal. per 20 parking spaces

Required	Provided
(3) canopy trees	(3) canopy trees

**DETENTION AREA REQUIREMENTS** (23,448 s.f.)  
Requirements: (1) canopy tree, 4" cal. & (1) accent tree, 4" ht. per 750 sf detention area

Required	Provided
(31) canopy trees	(31) canopy trees
(31) accent trees	(31) accent trees

**PERVIOUS VS. IMPERVIOUS COVER**  
PERVIOUS COVER - 46,174 SF  
IMPERVIOUS COVER - 63,084 SF

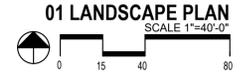
**M- TREES COUNTED FOR TREE MITIGATION**

**PLANT MATERIAL SCHEDULE**

TREES	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
	CE	19	Cedar Elm	<i>Ulmus Crassifolia</i>	4" cal.	container, 12' ht., 5' spread, 6' clear straight trunk
	YH	20	Yaupon Holly	<i>Ilex vomitoria</i>	4" ht.	container, 4' ht., 4' spread, 3 or 5 canines, tree form
	LO	35	Live Oak	<i>Quercus virginiana</i>	4" cal.	container, 12' ht., 5' spread, 6' clear straight trunk
	RB	31	Redbud	<i>Cercis canadensis</i>	4" ht.	container, 4' ht., 4' spread, straight trunk
	RO	31	Red Oak	<i>Quercus rubra</i>	4" cal.	container, 12' ht., 5' spread, 6' clear straight trunk
SHRUBS	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
	DWM	219	Dwarf Wax Myrtle	<i>Myrica pusilla</i>	5 gal.	container, 30" ht., 24" spread
	IH	19	Indian Hawthorn	<i>Rhamptolis indica</i>	5 gal.	container, 20" ht., 20" spread
	NRS	33	Nellie R Stevens Holly	<i>Ilex x Nellie R. Stevens</i>	7 gal.	container, 36" ht., 30" spread
GROUNDCOVERS	TYPE	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
	LIR	220	Liriope	<i>Liriope muscari</i>	4" pots	container full, well rooted
			'Tuffut' Bermudagrass	<i>Cynodon transvaalensis x Cynodon dactylon</i>		Solid Sod refer to notes

NOTE: Plant list is an aid to bidders only. Contractor shall verify all quantities on plan. All heights and spreads are minimums. All plant material shall meet or exceed remarks as indicated. All trees are to be measured at Diameter Breast Height (dbh). Trees to have straight trunks and be matching within varieties.

SITE DATA SUMMARY TABLE	
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ZONING	LI - LIGHT INDUSTRIAL
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BUILDING HEIGHT	29'-8"
LOT COVERAGE	12.59%
FLOOR AREA RATIO	0.13
<b>PARKING</b>	
PARKING RATIO	OFFICE: ONE SPACE PER 300 SF WAREHOUSE: ONE SPACE PER 1000 SF
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PROVIDED PARKING (# SPACES)	50
ACCESSIBLE PARKING REQUIRED (# SPACES)	2
ACCESSIBLE PARKING PROVIDED (# SPACES)	2



**APPROVED:**  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

WITNESS OUR HANDS, THIS \_\_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Planning & Zoning Commission, Chairman

\_\_\_\_\_  
Director of Planning and Zoning

**OWNER**  
ROCKWALL TECHNOLOGY PARK  
PO BOX 968  
ROCKWALL, TX 75087  
PH: (972) 772-0025  
CONTACT: PHIL WAGNER

**LANDSCAPE PLAN**  
CITY PROJECT CASE NO. SP2022-005  
**INTEGRATED DEFENSE PRODUCTS TM**  
7.38 ACRES  
LOT 4 BLOCK B  
ROCKWALL TECHNOLOGY PARK,  
J.M. ALLEN SURVEY ABSTRACT NO. 2  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS  
PREPARATION DATE: 03/01/2022

**APPLICANT**  
LINKS CONSTRUCTION  
525 S. LOOP 288, SUITE 105  
DENTON, TX 76204  
PH: 940-783-0920  
CONTACT: ALISON WINGET, PE

**LANDSCAPE ARCHITECT**  
STUDIO GREEN SPOT, INC.  
1784 W. McDERMOTT DR., STE. 110  
ALLEN, TX 75013  
PH: 469-369-4448  
CONTACT: CHRIS TRONZANO, RLA

**ENGINEER**  
KIRKMAN ENGINEERING, LLC  
5200 STATE HIGHWAY 121  
COLLEVILLE, TX 76034  
PH: 817-488-4960  
CONTACT: JEREMY NELSON, PE

**SURVEYOR**  
BARTON CHAPPA SURVEYING  
5200 STATE HIGHWAY 121  
COLLEVILLE, TX 76034  
PH: 817-864-1957  
CONTACT: JACK BARTON, RPLS

**INTEGRATED DEFENSE PRODUCT TM**  
LOT 4, BLOCK B  
ROCKWALL TECHNOLOGY PARK  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS

**ISSUE:**  
FOR APPROVAL 02.04.2022  
CITY COMMENTS 02.18.2022  
CITY COMMENTS 03.03.2022  
CITY COMMENTS 03.09.2022  
CITY COMMENTS 04.07.2022  
SITE PLAN CHANGES 04.24.2024

**DATE:**  
04.24.2023

**SHEET NAME:**  
LANDSCAPE PLAN

**SHEET NUMBER:**

**L.2**

LANDSCAPE ARCHITECT  
STUDIO GREEN SPOT, INC.  
1784 W. McDERMOTT DR.  
SUITE 110  
ALLEN, TEXAS 75013  
(469) 369-4448  
CHRIS@STUDIOGREENSPOT.COM

04.24.2023



