

CONSTRUCTION PLANS FOR SKY-RIDGE ADDITION

AT RIDGE ROAD & YELLOW JACKET LANE
AN ADDITION TO THE CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

CONTACT INFORMATION:

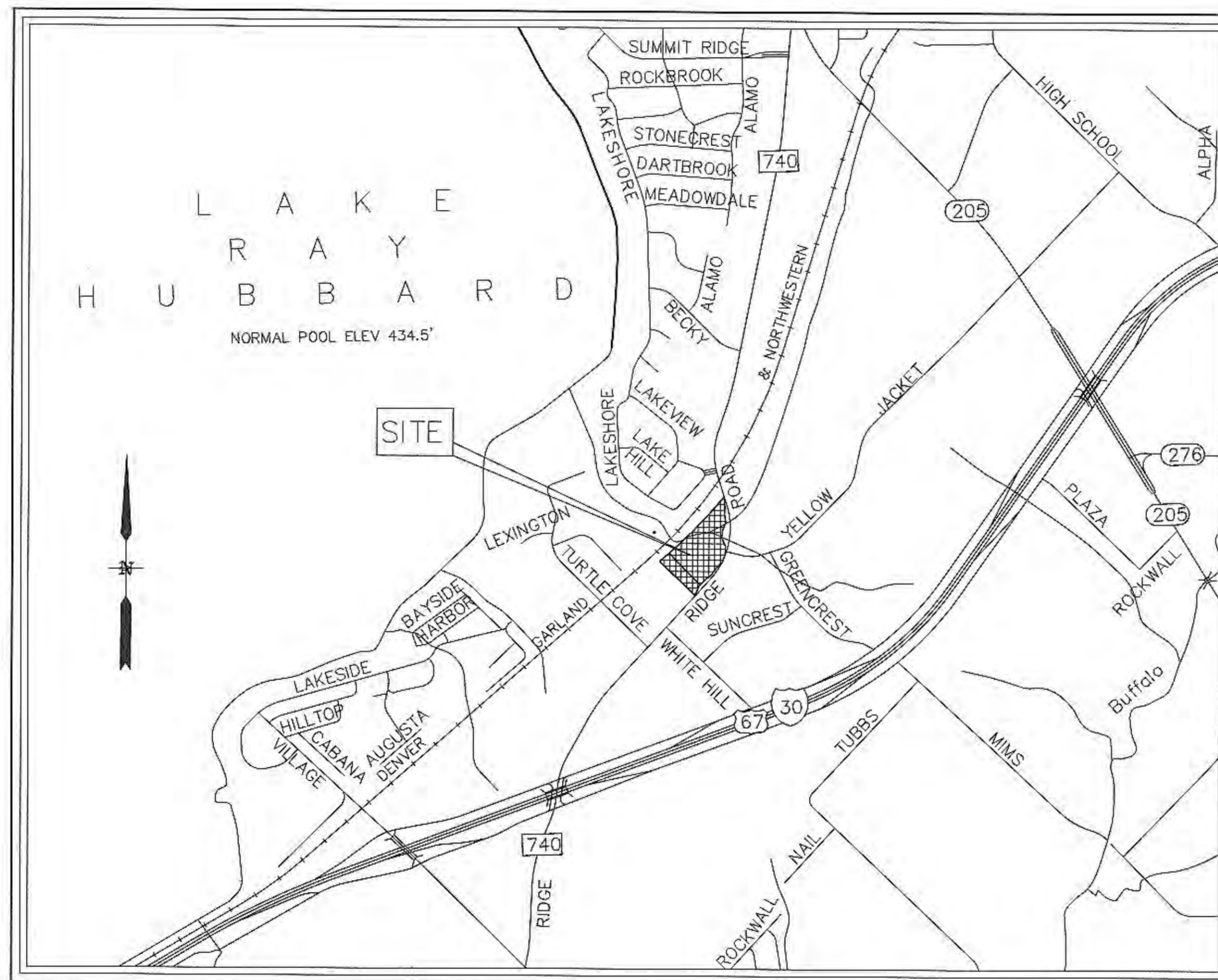
City of Rockwall Mayor: Jim Pruitt

City of Rockwall Engineer:
Amy Williams, P.E., (972) 771-7746

City Manager:
Mary Smith (972) 771-7746

Public Services Coordinator:
Elizabeth Morgan (972) 771-7746

Building Inspections:
Rusty McDowell (972) 772-6748



VICINITY MAP
N.T.S.

SHEET INDEX

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REFERENCE SHEETS

- RETAINING WALL DETAILS
- RETAINING WALL KEY MAP
- ALTERNATE LANDSCAPE PLAN

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Joseph Winters 02-03-2023
TODD WINTERS DATE

RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.
CITY *sj* DATE 9-20-2022



CAUTION!
THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.



MON. 0005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIAN OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. No. 740.
MON. 0007 N: 7013837.484; E: 2595453.327; ELEVATION: 568.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!
THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.

ENGINEERINGCONCEPTS & DESIGN, L.P.
ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO: 03775A	
DWG FILE NAME: 3775A - COVER.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.

Joseph Winters 07/19/21

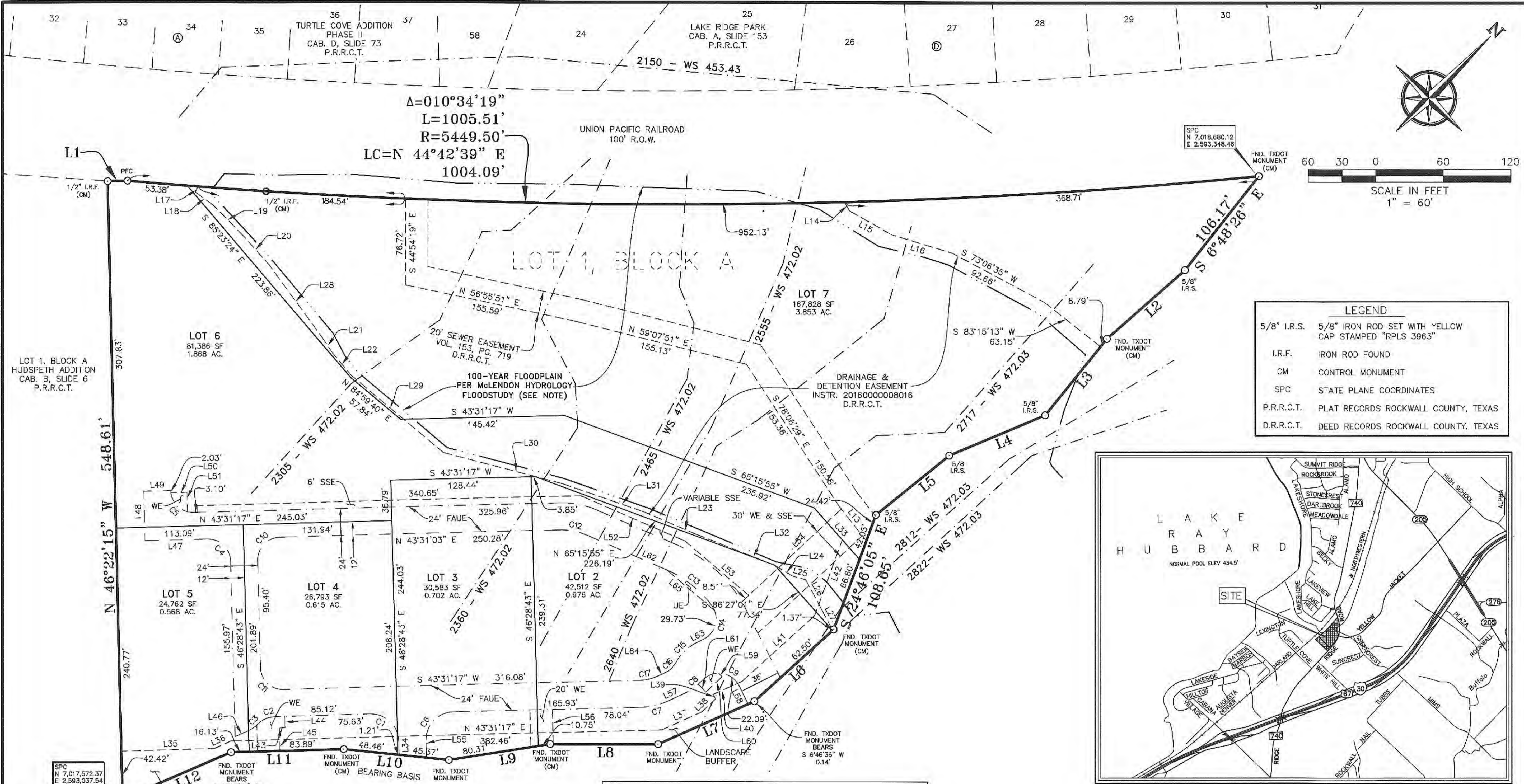


COVER
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C0.1
SHEET

FOR CONSTRUCTION
JULY 2021
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

X:\PROJETS\3775A\3775A.dwg - COVER.dwg - 03/20/2021 at 2:48pm by Clayton Mulvey | Last Saved by Clayton Mulvey



LEGEND

5/8" I.R.S. 5/8" IRON ROD SET WITH YELLOW CAP STAMPED "RPLS 3963"

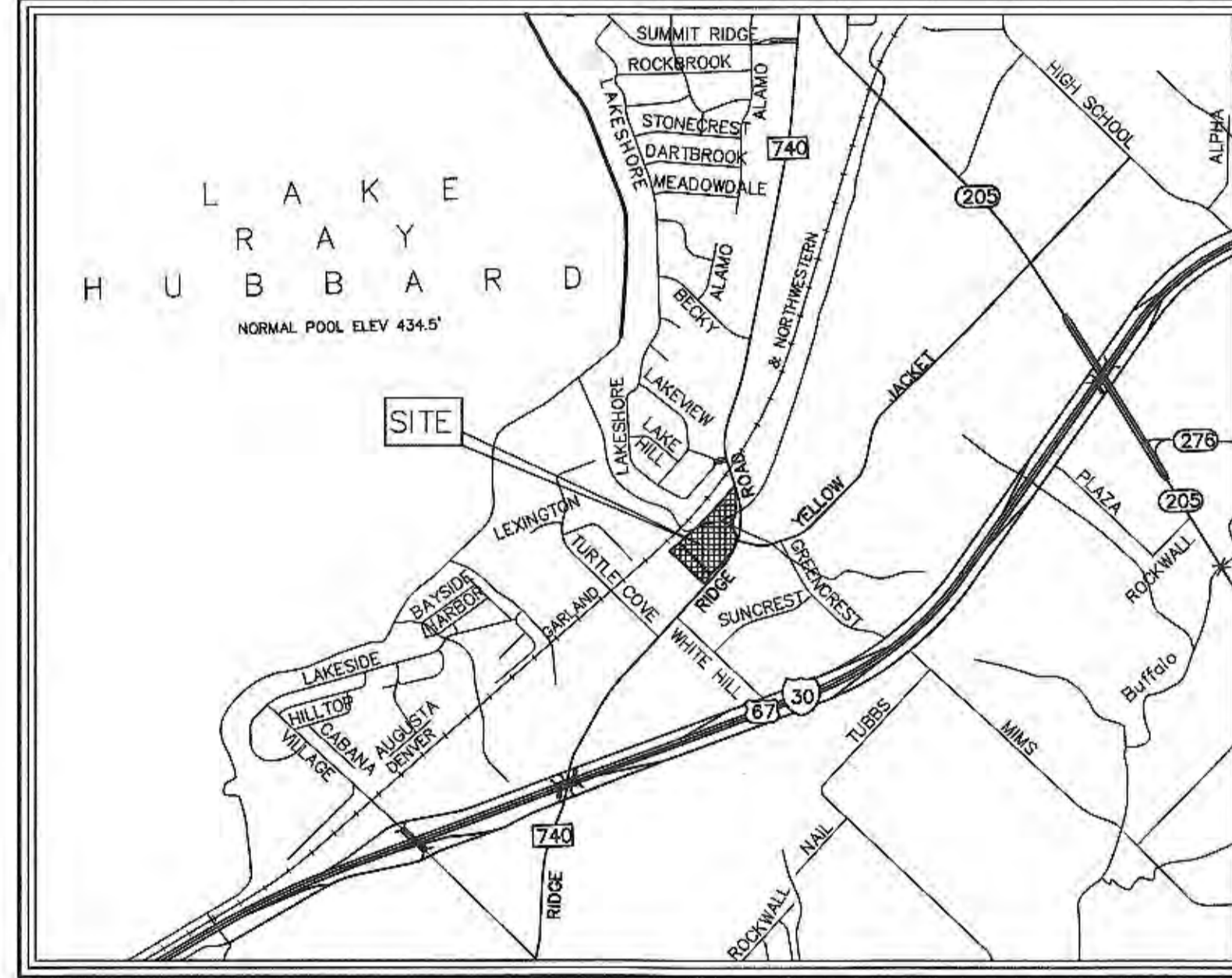
I.R.F. IRON ROD FOUND

CM CONTROL MONUMENT

SPC STATE PLANE COORDINATES

P.R.R.C.T. PLAT RECORDS ROCKWALL COUNTY, TEXAS

D.R.R.C.T. DEED RECORDS ROCKWALL COUNTY, TEXAS



CURVE TABLE

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD
C1	090°00'00"	25.00'	25.00'	39.27'	S 88°31'17" W	35.36'
C2	043°19'57"	20.00'	7.95'	15.13'	S 21°51'18" W	14.77'
C3	021°17'02"	34.00'	6.39'	12.63'	S 10°49'50" W	12.56'
C4	090°00'14"	20.00'	20.00'	31.42'	S 88°31'10" W	28.29'
C5	090°06'40"	20.00'	20.04'	31.45'	N 88°34'23" E	28.31'
C6	090°00'00"	25.00'	25.00'	39.27'	S 1°28'43" E	35.36'
C7	023°19'36"	64.00'	13.21'	26.06'	S 31°51'29" W	25.88'
C8	021°33'57"	58.00'	11.05'	21.83'	S 9°24'43" W	21.70'
C9	109°42'40"	20.00'	28.41'	38.30'	S 53°29'04" W	32.71'
C10	089°55'11"	20.00'	19.97'	31.39'	N 1°26'32" W	28.26'
C11	090°04'35"	20.00'	20.03'	31.44'	S 88°33'35" W	28.30'
C12	025°01'10"	50.00'	11.09'	21.83'	N 56°01'38" E	21.66'
C13	029°40'50"	100.00'	26.50'	51.80'	N 83°22'38" E	51.23'
C14	100°04'22"	20.00'	23.87'	34.93'	S 31°44'46" E	30.66'
C15	035°05'17"	41.75'	13.20'	25.57'	S 0°44'47" W	25.17'
C16	036°59'33"	20.00'	6.69'	12.91'	S 1°41'55" W	12.69'
C17	023°19'36"	40.00'	8.26'	16.28'	S 31°51'29" W	16.17'

Floodplain, cross sections and elevations by graphic interpolation from the Floodplain Work Map in the Flood Study for Stream 5 by McLendon Hydrology and Engineering L.L.C.

OWNER/DEVELOPER
7.1 RIDGE, LLC
 106 E. RUSK STREET, STE 200
 ROCKWALL, TX 75087
 (972) 771-7577

LAND SURVEYOR
R.C. MYERS SURVEYING, LLC
 488 ARROYO COURT
 SUNNYVALE, TX 75182
 (214) 532-0636
 FAX (972) 412-4875
 EMAIL: rcmsurveying@gmail.com
 FIRM NO. 10192300 JOB NO. 377

FINAL PLAT
LOTS 2-7, BLOCK A
SKY RIDGE ADDITION

BEING A REPLAT OF
 LOT 1, BLOCK A, SKY RIDGE ADDITION
 CAB. J SLIDE X, P.R.R.C.T.
 BEING
 6 LOTS AND CONTAINING

8.583 ACRES

AND SITUATED IN THE
 E.P. GAINES CHISUM SURVEY, A-64
 CITY OF ROCKWALL,
 ROCKWALL COUNTY, TEXAS
ENGINEERING CONCEPTS & DESIGN, L.P.
 ENGINEERING/PROJECT MANAGEMENT/CONSTRUCTION SERVICES
 TEXAS FIRM REG. NO. 001146
 201 WINDCO CIRCLE, SUITE 200, WYLIE, TEXAS 75098
 (972) 941-8400 FAX (972) 941-8401

- Notes:
- Basis of bearing being S 50°59'46" W for a south line of deed recorded in Instr. 20160000018015, D.R.R.C.T.
 - By graphical plotting, part of the parcel described hereon lies within a Special Flood Hazard Area inundated by 100-year flood, it lies within Zone "A" as delineated on the Rockwall County, Texas and Incorporated Areas, Flood Insurance Rate Map, Map Number 48397C0040L, dated September 26, 2008, published by the Federal Emergency Management Agency (FEMA). The Surveyor utilized the above referenced floodplain information for this determination and the Surveyor does not certify that revised floodplain information has or has not been published by FEMA or some other source. On occasion, greater floods can and will occur and flood heights may be increased by man-made or natural causes. The above flood statement shall not create liability on the part of the surveyor.
 - All open spaces, drainage easements, drainage and detention easements, and other common area shall be repaired, replaced, and maintained by property owner.

OWNER'S CERTIFICATE AND DEDICATION

STATE OF TEXAS
COUNTY OF ROCKWALL

WHEREAS 7.1 RIDGE, LLC, BEING THE OWNER OF A TRACT of land in the County of Rockwall, State of Texas, said tract being described as follows:

BEING an 8.583 acre tract of land situated in the E.P. Gaines Chisum Survey, Abstract No. 64, City of Rockwall, Rockwall County, Texas and being all of a 7.01 acre tract of land (Tract I) and all of a 1.57 acre tract of land (Tract II), as described in deed to 7.1 Ridge, LLC, as recorded in Instrument 20160000018015, Deed Records, Rockwall County, Texas, said 8.583 acre tract being more particularly described by metes and bounds as follows:

BEGINNING at a point for corner at the south corner of said 1.57 acre tract, said corner being in the northeast boundary line of Lot 1, Block A, Hudspeth Addition, an addition to the City of Rockwall, as recorded in Cabinet B, Slide 6, Plat Records, Rockwall, Texas and in the northwest right-of-way line of Farm to Market Road 740 (Ridge Road), a variable width right-of-way from which a TXDOT Monument with an Aluminum Disk found for reference bears South 57 degrees 23 minutes 15 seconds West, a distance of 0.23 feet;

THENCE, North 46 degrees 22 minutes 15 seconds West, along the common boundary line of said Lot 1, Block A, Hudspeth Addition and said 1.57 acre tract, a distance of 548.61 feet to a 1/2-inch iron rod found for the west corner of said 1.57 acre tract and the north corner of said Lot 1, said corner being in the southeast right-of-way line of the Union Pacific Railroad, a 100 ft. right-of-way;

THENCE North 43 degrees 40 minutes 54 seconds East, along the common line of said Railroad and said 1.57 acre tract, a distance of 17.68 feet to the beginning of a non-tangent curve to the left having a radius of 5449.50 feet, whose chord bears North 44 degrees 42 minutes 39 seconds East, a distance of 1004.09 feet;

THENCE Northeastly, along the common line of said Railroad, said 1.57 acre tract and said 7.001 acre tract and with said curve to the left, through a central angle of 10 degrees 34 minutes 19 seconds, an arc distance of 1005.51 feet to a TXDOT Monument with an Aluminum Disk found for the north corner of said 7.001 acre tract in the northeast right-of-way line of said FM 740;

THENCE Southwesterly, along the northwest lines of said FM 740, the following courses:

- South 06 degrees 48 minutes 26 seconds East, a distance of 106.17 feet to a 5/8-inch iron rod with yellow plastic cap stamped RPLS 3963 set for corner;
- South 03 degrees 35 minutes 17 seconds West, a distance of 92.39 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 06 degrees 04 minutes 59 seconds East, a distance of 87.39 feet a 5/8-inch iron rod with yellow plastic cap stamped RPLS 3963 set for corner;
- South 22 degrees 08 minutes 13 seconds West, a distance of 92.43 feet a 5/8-inch iron rod with yellow plastic cap stamped RPLS 3963 set for corner;
- South 05 degrees 55 minutes 01 seconds West, a distance of 83.73 feet a 5/8-inch iron rod with yellow plastic cap stamped RPLS 3963 set for corner;
- South 24 degrees 46 minutes 05 seconds East, a distance of 108.65 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 02 degrees 42 minutes 35 seconds West, a distance of 95.18 feet to a point for corner from which a TXDOT Monument with an Aluminum Disk found for reference bears South 06 degrees 46 minutes 36 seconds West, a distance of 0.14 feet;
- South 20 degrees 51 minutes 26 seconds West, a distance of 93.55 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 45 degrees 02 minutes 32 seconds West, a distance of 95.68 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 35 degrees 55 minutes 01 seconds West, a distance of 91.06 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 50 degrees 59 minutes 46 seconds West, a distance of 93.83 feet to a TXDOT Monument with an Aluminum Disk found for corner;
- South 43 degrees 33 minutes 23 seconds West, a distance of 100.02 feet to a point for corner from which a TXDOT Monument with an Aluminum Disk found for reference bears South 12 degrees 53 minutes 00 seconds West, a distance of 0.14 feet;
- South 21 degrees 45 minutes 18 seconds West, a distance of 104.89 feet to the POINT OF BEGINNING AND CONTAINING 373,865 square feet or 8.583 acres of land.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

I (we) the undersigned owner(s) of the land shown on this plat, and designated herein as the SKY RIDGE ADDITION to the City of Rockwall, Texas, and whose name is subscribed hereto, hereby dedicate to the use of the public forever all streets, alleys, parks, water courses, drains, easements and public places thereon shown on the purpose and consideration therein expressed. I (we) further certify that all other parties who have a mortgage or lien interest in the SKY RIDGE ADDITION have been notified and signed this plat. I (we) understand and do hereby reserve the easement strips shown on this plat for the purposes stated and for the mutual use and accommodation of all utilities desiring to use or using same. I (we) also understand the following:

1. No buildings shall be constructed or placed upon, over, or across the utility easements as described herein.
2. Any public utility shall have the right to remove and keep removed all or part of any buildings, fences, trees, shrubs, or other growths or improvements which in any way endanger or interfere with construction, maintenance or efficiency of their respective system on any of these easement strips; and any public utility shall at all times have the right of ingress or egress to, from and upon the said easement strips for purpose of construction, reconstruction, inspecting, patrolling, maintaining, and either adding to or removing all or part of their respective system without the necessity of, at any time, procuring the permission of anyone.
3. The City of Rockwall will not be responsible for any claims of any nature resulting from or occasioned by the establishment of grade of streets in the subdivision.
4. The developer and subdivision engineer shall bear total responsibility for storm drain improvements.
5. The developer shall be responsible for the necessary facilities to provide drainage patterns and drainage controls such that properties within the drainage area are not adversely affected by storm drainage from the development.
6. No house dwelling unit, or other structure shall be constructed on any lot in this addition by the owner or any other person until the developer and/or owner has complied with all requirements of the Subdivision Regulations of the City of Rockwall regarding improvements with respect to the entire block on the street or streets on which property abuts, including the actual installation of streets with the required base and paving, curb and gutter, water and sewer, drainage structures, storm structures, storm sewers, and alleys, all according to the specifications of the City of Rockwall; or

Until an escrow deposit, sufficient to pay for the cost of such improvements, as determined by the city's engineer and/or city administrator, computed on a private commercial rate basis, has been made with the city secretary, accompanied by an agreement signed by the developer and/or owner, authorizing the city to make such improvements at prevailing private commercial rates, or have the same made by a contractor and pay for the same out of the escrow deposit, should the developer and/or owner fail or refuse to install the required improvements within the time stated in such written agreement, but in no case shall the City be obligated to make such improvements itself. Such deposit may be used by the owner and/or developer as progress payments as the work progresses in making such improvements by making certified requisitions to the city secretary, supported by evidence of work done; or

Until the developer and/or owner files a corporate surety bond with the city secretary in a sum equal to the cost of such improvements for the designated area, guaranteeing the installation thereof within the time stated in the bond, which time shall be fixed by the city council of the City of Rockwall.

I (we) further acknowledge that the dedications and/or exaction's made herein are proportional to the impact of the Subdivision upon the public services required in order that the development will comport with the present and future growth needs of the City; I (we), my (our) successors and assigns hereby waive any claim, damage, or cause of action that I (we) may have as a result of the dedication of exactions made herein.

FOR: 7.1 RIDGE, LLC

BY:

STATE OF TEXAS
COUNTY OF ROCKWALL

Before me, the undersigned authority, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purpose and consideration therein stated.

Given under my hand and seal of office this ____ day of _____, 2021.

Notary Public in and for the State of Texas
My Commission Expires:

SURVEYOR'S CERTIFICATE

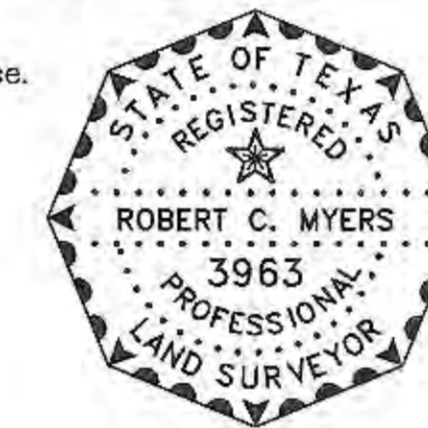
NOW, THEREFORE KNOW ALL MEN BY THESE PRESENTS:

That I, Robert C. Myers, do hereby certify that this plat was prepared under my supervision, from an actual and accurate survey of the land, and that the corner monuments shown thereon were properly placed under my personal supervision.

GIVEN UNDER MY SEAL OF OFFICE THIS THE ____ DAY OF _____, 2021.

Preliminary, this document shall not filed for any purpose.

ROBERT C. MYERS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 3963



STATE OF TEXAS
COUNTY OF COLLIN

BEFORE ME, the undersigned authority, on this date personally appeared Robert C. Myers, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS ____ DAY OF _____, 2021.

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS
MY COMMISSION EXPIRES: _____

STANDARD CITY SIGNATURE BLOCK

Planning & Zoning Commission, Chairman _____ Date _____

APPROVED:
I hereby certify that the above and foregoing plat of an addition to the City of Rockwall, Texas, was approved by the City Council of the City of Rockwall on the ____ day of _____, 2021.

This approval shall be invalid unless the approved plat for such addition is recorded in the office of the County Clerk of Rockwall, County, Texas, within one hundred eighty (180) days from said date of final approval.

WITNESS OUR HANDS, this ____ day of _____, 2021.

Mayor, City of Rockwall City Secretary City Engineer

OWNER/DEVELOPER
7.1 RIDGE, LLC
106 E. RUSK STREET, STE 200
ROCKWALL, TX 75087
(972) 771-7577

LAND SURVEYOR
R.C. MYERS SURVEYING, LLC
488 ARROYO COURT
SUNNYVALE, TX 75182
(214) 532-0636
FAX (972) 412-4875
EMAIL: rcmsurveying@gmail.com
FIRM NO. 10192300 JOB NO. 377

LINE TABLE		
NO.	DIRECTION	DISTANCE
L1	N 43°40'54" E	17.68'
L2	S 3°35'17" W	92.39'
L3	S 6°04'59" E	87.39'
L4	S 22°08'13" W	92.43'
L5	S 5°55'01" W	83.73'
L6	S 2°42'35" W	93.81'
L7	S 20°51'26" W	93.55'
L8	S 45°02'32" W	95.68'
L9	S 35°55'01" W	91.06'
L10	S 50°59'46" W	93.83'
L11	S 43°33'23" W	100.02'
L12	S 21°45'18" W	104.89'
L13	S 83°23'49" E	38.60'
L14	N 75°43'13" W	9.05'
L15	S 74°36'21" W	42.86'
L16	S 61°43'52" W	56.84'
L17	N 20°06'42" W	5.49'
L18	S 81°35'29" W	19.76'
L19	N 89°44'14" W	36.19'
L20	N 86°44'02" W	36.50'
L21	N 78°38'08" W	16.60'
L22	N 84°42'04" W	25.46'
L23	S 68°15'14" W	51.08'
L24	S 76°21'23" W	17.77'
L25	S 60°55'21" W	12.46'
L26	N 73°08'15" W	28.82'
L27	N 72°56'35" W	22.09'
L28	N 81°08'00" W	79.99'
L29	S 85°02'01" W	106.84'
L30	S 59°30'36" W	109.07'
L31	S 63°57'59" W	75.64'
L32	S 66°31'00" W	75.36'
L33	N 86°27'01" W	60.85'

LINE TABLE		
NO.	DIRECTION	DISTANCE
L34	N 46°28'43" W	12.00'
L35	N 43°24'11" E	82.95'
L36	N 20°25'09" E	15.99'
L37	N 20°41'40" E	39.25'
L38	N 1°23'58" E	16.27'
L39	N 69°18'20" W	4.62'
L40	N 20°41'40" E	27.66'
L41	N 2°46'30" E	87.17'
L42	N 25°01'13" W	72.07'
L43	N 43°34'00" E	5.00'
L44	N 46°28'43" W	10.04'
L45	N 46°29'00" W	20.46'
L46	S 21°28'21" W	11.56'
L47	S 43°31'03" W	55.61'
L48	N 46°22'12" W	44.02'
L49	N 43°27'59" E	23.96'
L50	S 43°37'45" W	14.28'
L51	N 46°22'15" W	17.17'
L52	N 68°32'13" E	100.67'
L53	N 85°28'28" E	74.50'
L54	N 1°49'11" E	121.06'
L55	S 46°28'43" E	15.15'
L56	N 46°28'43" W	30.77'
L57	S 20°11'42" W	13.50'
L58	N 71°39'36" W	18.26'
L59	N 88°10'49" W	4.32'
L60	N 1°49'11" E	20.00'
L61	S 88°10'49" E	9.66'
L62	N 68°32'13" E	78.20'
L63	S 18°17'25" W	7.73'
L64	S 20°11'42" W	7.73'
L65	S 85°23'26" W	56.06'

FINAL PLAT
LOTS 2-7, BLOCK A
SKY RIDGE ADDITION

BEING A REPLAT OF
LOT 1, BLOCK A, SKY RIDGE ADDITION
CAB. J SLIDE X, P.R.R.C.T.
BEING
6 LOTS AND CONTAINING

8.583 ACRES

AND SITUATED IN THE

E.P. GAINES CHISUM SURVEY, A-64
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS
ENGINEERING CONCEPTS & DESIGN, L.P.
ENGINEERING/PROJECT MANAGEMENT/CONSTRUCTION SERVICES
TEXAS FIRM REG. NO. 001145
201 WINDCO CIRCLE, SUITE 200, WYLIE, TEXAS 75098
(972) 941-8400 FAX (972) 941-8401

DATE: JULY 16, 2021

SHEET 2 OF 2

GENERAL ITEMS

- 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 Departments "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.
- 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.
- The City of Rockwall Engineering Departments "Standards of Design and Construction" can be found online at: <http://www.rockwall.com/engr.asp>
- 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.
- Prior to construction, CONTRACTOR shall have in their possession all necessary permits, plans, licenses, etc.
- 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".
- 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.
- All site dimensions are referenced to the face of curb or edge of pavement unless otherwise noted.
- 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.
- A review of the site shall be conducted at twenty (20) months 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

- 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.
- Erosion control devices as shown on the erosion control plan for the project shall be installed prior to the start of land disturbing activities.
- 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.
- If the Erosion Control Plans and Storm Water Pollution Prevention Plan (SWPPP) as approved cannot appropriately control erosion and off-site sedimentation from the project, the erosion control plan and/or the SWPPP is required to be revised and any changes reported to the Texas Commission on Environmental Quality (TCEQ), when applicable.
- 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 inspection's reports to the engineering inspection after each inspection.
- 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.
- 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.
- 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 rye or weeds) 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.
- All City right-of-ways shall be sodded if disturbed. No artificial grass is allowed in any City right-of-way and/or easements.
- All adjacent streets/alleys shall be kept clean at all times.
- 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.
- 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.
- 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.
- Where construction vehicles access routes intersect paved or public roads/alleys, construction entrances shall be installed to minimize the transport of sediment by vehicular tracking onto paved surfaces. Where sediment is transferred onto paved or public surfaces, the surface shall be immediately cleaned. Sediment shall be

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.

- All 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.
- During all dewatering operations, water shall be pumped into an approved filtering device prior to discharge into a receiving outlet.

TRAFFIC CONTROL

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- No traffic signs shall be taken down without permission from the City.
- No street/roadway will be allowed to be fully closed.

UTILITY LINE LOCATES

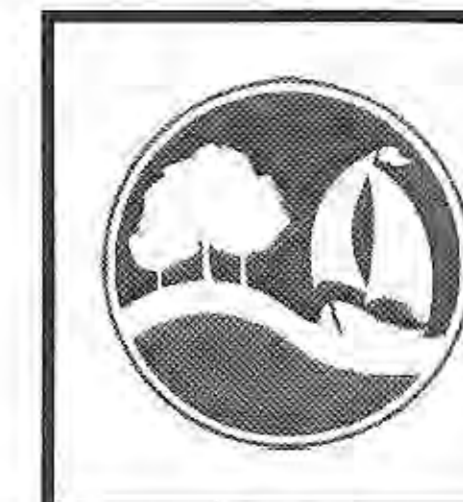
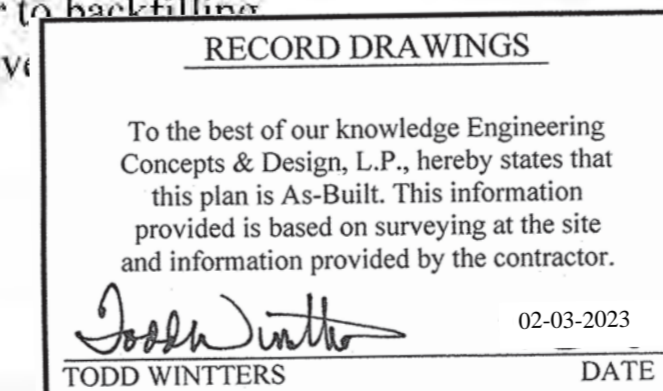
- It is the CONTRACTOR's responsibility to notify utility companies to arrange for utility locates at least 48 hours prior to beginning construction. The completeness and accuracy of the utility data shown on the plans is not guaranteed by the design engineer or the City. The CONTRACTOR is responsible 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 not shown on the plans.
- The CONTRACTOR shall be responsible for damages to utilities
- CONTRACTOR shall adjust all City of Rockwall utilities to the final grades.
- All utilities shall be placed underground.
- 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 intervene 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.
- The City of Rockwall (City utilities) is not part of the Dig Tess 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.
- Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
 - No more than 500 linear feet of trench may be opened at one time.
 - 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.
 - Applicable safety regulations shall be complied with.
- This plan details pipes up to 5 feet from the building. Refer to the building plans for building connections. CONTRACTOR shall supply and install pipe adapters as necessary.
- All underground lines shall be installed, inspected, and approved prior to back-filling.
- All concrete encasement shall have a minimum of 28 days compressive mix).

WATER LINE NOTES

- The CONTRACTOR shall maintain existing water service at all times during construction.
- 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. Proposed water lines shall be constructed with minimum cover of 4 feet for 6-inch through 8-inch, 5 feet for 12-inch through 18-inch and 6 feet for 20-inch and larger.
- 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.
- CONTRACTOR shall coordinate the shutting down of all water lines with the City of Rockwall Engineering Inspector and Water Department. The City shall operate all water valves. Allow 5 business days from the date of notice to allow City personnel time to schedule a shut down. Two additional days are required for the CONTRACTOR to notify residents in writing of the shut down after the impacted area has been identified. Water shut downs impacting businesses during their normal operation hours is not allowed. CONTRACTOR is required to coordinate with the Rockwall Fire Department regarding any fire watch requirements as well as any costs incurred when the loss of fire protection to a structure occurs.
- CONTRACTOR shall furnish and install gaskets on water lines between all dissimilar metals and at valves (both existing and proposed).
- All fire hydrants and valves removed and salvaged shall be returned to the City of Rockwall Municipal Service Center.
- 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'.
- All water valve hardware and valve extensions, bolts, nuts and washers shall be 316 stainless steel.
- All fire hydrants bolts, nuts and washers that are buried shall be 316 stainless steel.
- 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. Valves to be abandoned in place shall have any extensions and the valve box removed and shall be capped in concrete.
- All fire hydrants will have a minimum of 5 feet of clearance around the appurtenance including but not limited to parking spaces and landscaping.
- All joints are to be megalug joints with thrust blocking.
- Water and sewer mains shall be kept 10 feet apart (parallel) or when crossing 2 feet vertical clearance.
- CONTRACTOR shall maintain a minimum of 4 feet of cover on all water lines.
- 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.

WASTEWATER LINE NOTES

- The CONTRACTOR shall maintain existing wastewater service at all times during construction.
- Wastewater line for 4-inch through 15-inch shall be Green PVC - SDR 35 (ASTM D3034) [less 10 ft cover] and SDR 26 (ASTM D3034) [10 ft or more cover]. For 18-inch and larger wastewater line shall be Green PVC - PS 46 (ASTM F679) [less 10 ft cover] and PS 115 (ASTM F679) [10 ft or more cover]. No services will be allowed on a sanitary sewer line deeper than 10 feet.
- Proposed wastewater line embedment shall be NCTCOG Class 'H' as amended by the City of Rockwall's public works standard design and construction manual.
- Green EMS pads shall be installed at every 250', manhole, clean out and service lateral on proposed wastewater lines.
- CONTRACTOR shall CCTV all existing wastewater lines that are to be abandoned to ensure that all laterals are accounted for and transferred to proposed wastewater lines prior to abandonment.
- All abandoned wastewater and force main lines 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.
- Existing manholes and cleanouts not specifically called to be relocated shall be adjusted to match final grades.
- All wastewater pipes and public services shall be inspected by photographic means (television and DVD) prior to final acceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD to the Engineering Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the pipes. Any sags, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR at the CONTRACTOR's expense. A television survey will be performed as part of the final testing in the twentieth (20th) month of the maintenance period.
- All manholes (public or private) shall be fitted with inflow prevention. The inflow prevention shall conform to the measures called out in standard detail R-5031.
- All new or existing manholes being modified shall have corrosion protection being Raven Liner 405 epoxy coating, ConShield, or approved equal. Conshield 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.
- 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.
- If an existing wastewater 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 dialer 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.
- CONTRACTOR shall maintain a minimum of 4 feet of cover on all wastewater lines.



GENERAL CONSTRUCTION NOTES
Sheet 1 of 2
October 2020

CITY OF ROCKWALL
ENGINEERING DEPARTMENT

385 S. Goliad
Rockwall, Texas 75087

P (972) 771-7746
F (972) 771-7748

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 curlex installed prior to any concrete placement.
2. All paving roadway, driveways, fire lanes, drive-isles, 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.

Street/Pavement Type	Minimum Thickness (inches)	Strength 28-Day (psi)	Minimum Cement (sacks / CY)		Steel Reinforcement	
			Machine placed	Hand Placed	Bar #	Spacing (O.C.E.W.)
Arterial	10"	3,600	6.0	6.5	#4 bars	18"
Collector	8"	3,600	6.0	6.5	#4 bars	18"
Residential	6"	3,600	6.0	6.5	#3 bars	24"
Alley	7"-5"-7"	3,600	6.0	6.5	#3 bars	24"
Fire Lane	6"	3,600	6.0	6.5	#3 bars	24"
Driveways	6"	3,600	6.0	6.5	#3 bars	24"
Barrier Free Ramps	6"	3,600	N/A	6.5	#3 bars	24"
Sidewalks	4"	3,000	N/A	5.5	#3 bars	24"
Parking Lot/Drive Aisles	5"	3,000	5.0	5.5	#3 bars	24"
Dumpster Pads	7"	3,600	6.0	6.5	#3 bars	24"

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 time 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 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 doweled 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%.
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 sheet flow per these approved plans.

DRAINAGE / STORM SEWER NOTES

1. The CONTRACTOR shall maintain drainage at all times during construction. Ponding of water in streets, drives, trenches, etc. will not be allowed. Existing drainage ways shall not be blocked or removed unless explicitly stated in the plans or written approval is given by the City.
2. All structural concrete shall be 4200 psi compressive strength at 28 days minimum 7.0 sack mix, air entrained, unless noted otherwise. Fly ash shall not be allowed in any structural concrete.
3. Proposed storm sewer embedment shall be NCTCOG Class 'B' as amended by the City of Rockwall's Engineering Department Standards of Design and Construction Manual.
4. All public storm pipe shall be a minimum of 18-inch reinforced concrete pipe (RCP), Class III, unless otherwise noted.
5. All storm pipe entering structures shall be grouted to assure connection at the structure is watertight.
6. All storm structures shall have a smooth uniform poured mortar invert from invert in to invert out.
7. All storm sewer manholes in paved areas shall be flush with the paving grade, and shall have traffic bearing ring and covers.
8. All storm sewer pipes and laterals shall be inspected by photographic means (television and DVD) prior to final acceptance and after franchise utilities are installed. The CONTRACTOR shall furnish a DVD to the Engineering Construction Inspector for review. Pipes shall be cleaned prior to TV inspection of the pipes. Any sags, open joints, cracked pipes, etc. shall be repaired or removed by the CONTRACTOR at the CONTRACTOR's expense. A television survey will be performed as part of the final testing in the twentieth (20th) month of the maintenance period.

RETAINING WALLS

1. All retaining walls, regardless of height, will be reviewed and approved by the City Engineering Department
2. All retaining walls (including foundation stem walls), regardless of height, will be constructed of rock/stone/brick or rock/stone/brick faced. No smooth concrete walls are allowed. Wall materials shall be the same for all walls on the project.
3. All portions, including footings, tie-backs, and drainage backfill, of the wall shall be on-site and not encroach into any public easements or right-of-way. The entire wall shall be in one lot and shall not be installed along a lot line.
4. All walls 3 feet and taller will be designed and signed/sealed by a registered professional engineer in the State of Texas. The wall design engineer is required to inspect the wall construction and supply a signed/sealed letter of wall construction compliance to the City of Rockwall along with wall as-builts prior to City Engineering acceptance.
5. No walls are allowed in detention easements. A variance to allow retaining walls in a detention easement will require approval by the Planning and Zoning Commission with appeals being heard by the City Council.

FINAL ACCEPTANCE AND RECORD DRWINGS/AS-BUILTS

1. Final Acceptance shall occur when all the items on the Checklist for Final Acceptance have been completed and signed-off by the City. An example of the checklist for final acceptance has been included in the Appendix of the Standards of Design and Construction. Items on the checklist for final acceptance will vary per project and additional items not shown on the check list may be required.
2. After improvements have been constructed, the developer shall be responsible for providing to the City "As Built" or "Record Drawings". The Design Engineer shall furnish all digital files of the project formatted in Auto Cad 14, or 2000 format or newer and Adobe Acrobat (.pdf) format with a CD-ROM disk or flash drive. The disk or drive shall include a full set of plans along with any landscaping, wall plans, and details sheets.
3. Submit 1-set of printed drawings of the "Record Drawings" containing copies of all sheets to the Engineering Construction Inspector for the project. The printed sheets will be reviewed by the inspector PRIOR to producing the "Record Drawing" digital files on disk or flash drive. This will allow any revisions to be addressed prior to producing the digital files.
4. Record Drawing Disk drawings shall have the Design Engineers seal, signature and must be stamped and dated as "Record Drawings" or "As Built Drawings" on all sheets.
5. The City of Rockwall will not accept any Record Drawing disk drawings which include a disclaimer. A disclaimer shall not directly or indirectly state or indicate that the design engineer or the design engineer's surveyor/surveyors did not verify grades after construction, or that the Record Drawings were based solely on information provided by the construction contractor/contractors. Any Record Drawings which include like or similar disclaimer verbiage will not be accepted by the City of Rockwall.
6. Example of Acceptable Disclaimer: "To the best of our knowledge ABC Engineering, Inc., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor."


RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Todd Winters 02-03-2023
TODD WINTERS DATE

RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN
REMAINS WITH THE DESIGN ENGINEER. THE CITY
OF ROCKWALL IN REVIEWING AND RELEASING
PLANS FOR CONSTRUCTION, ASSUMES NO
RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF
DESIGN.

CITY _____ DATE _____

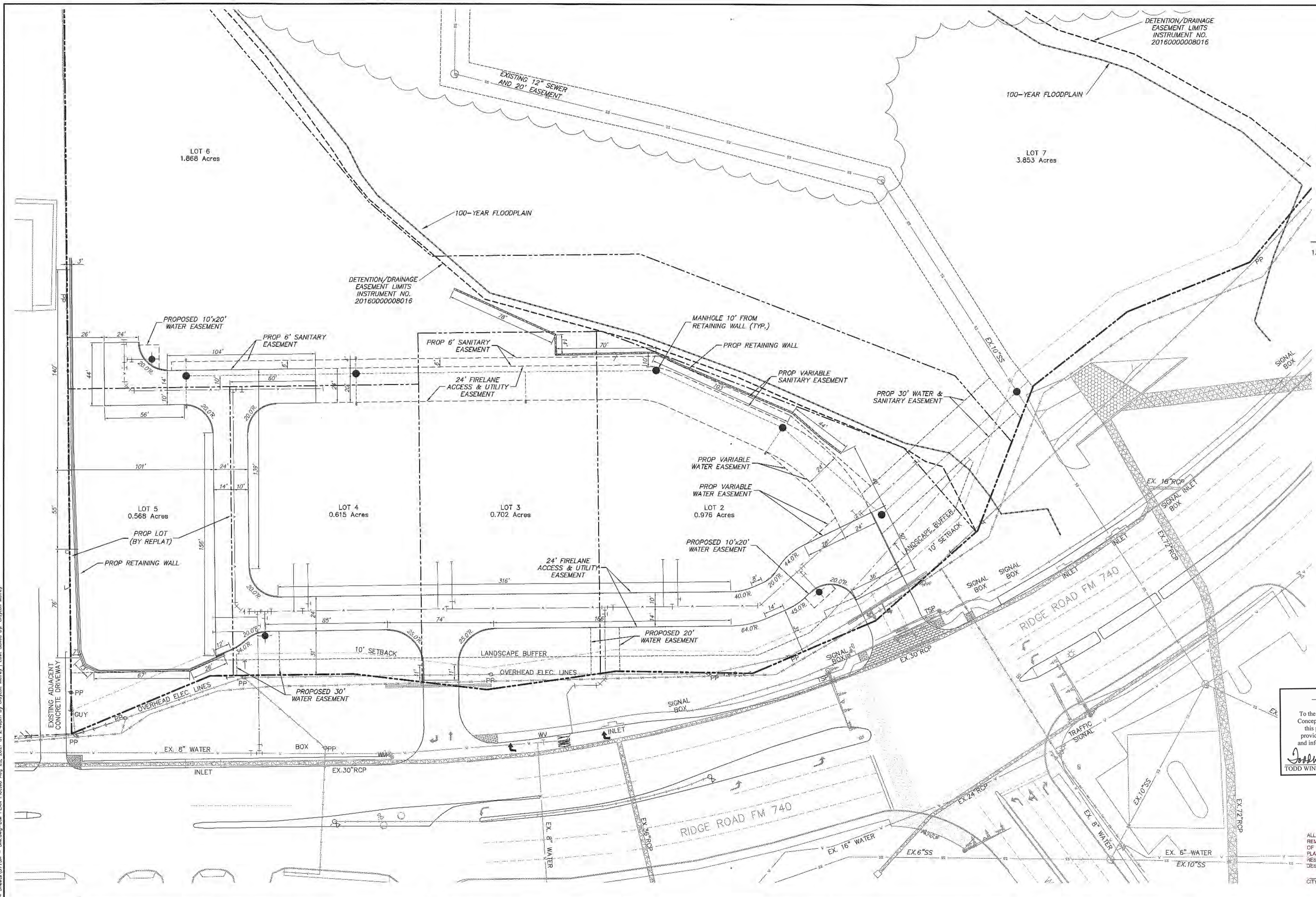
	GENERAL CONSTRUCTION NOTES Sheet 2 of 2 October 2020
	CITY OF ROCKWALL ENGINEERING DEPARTMENT 385 S. Goliad P (972) 771-7746 Rockwall, Texas 75087 F (972) 771-7748



30 15 0 30 60
SCALE IN FEET
H: 1" = 30'

NOTES

- ALL DIMENSIONS ARE TO BACK OF CURB OR EDGE OF PAVEMENT.



RECORD DRAWINGS
To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.
Todd Winters 02-03-2023
TODD WINTERS DATE

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CITY DATE

MON. R005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIAN OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO. 740.
MON. R007 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!
THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.

ENGINEERINGCONCEPTS & DESIGN, L.P.
ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR. STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - DIM.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.

Todd Winters 07/19/21

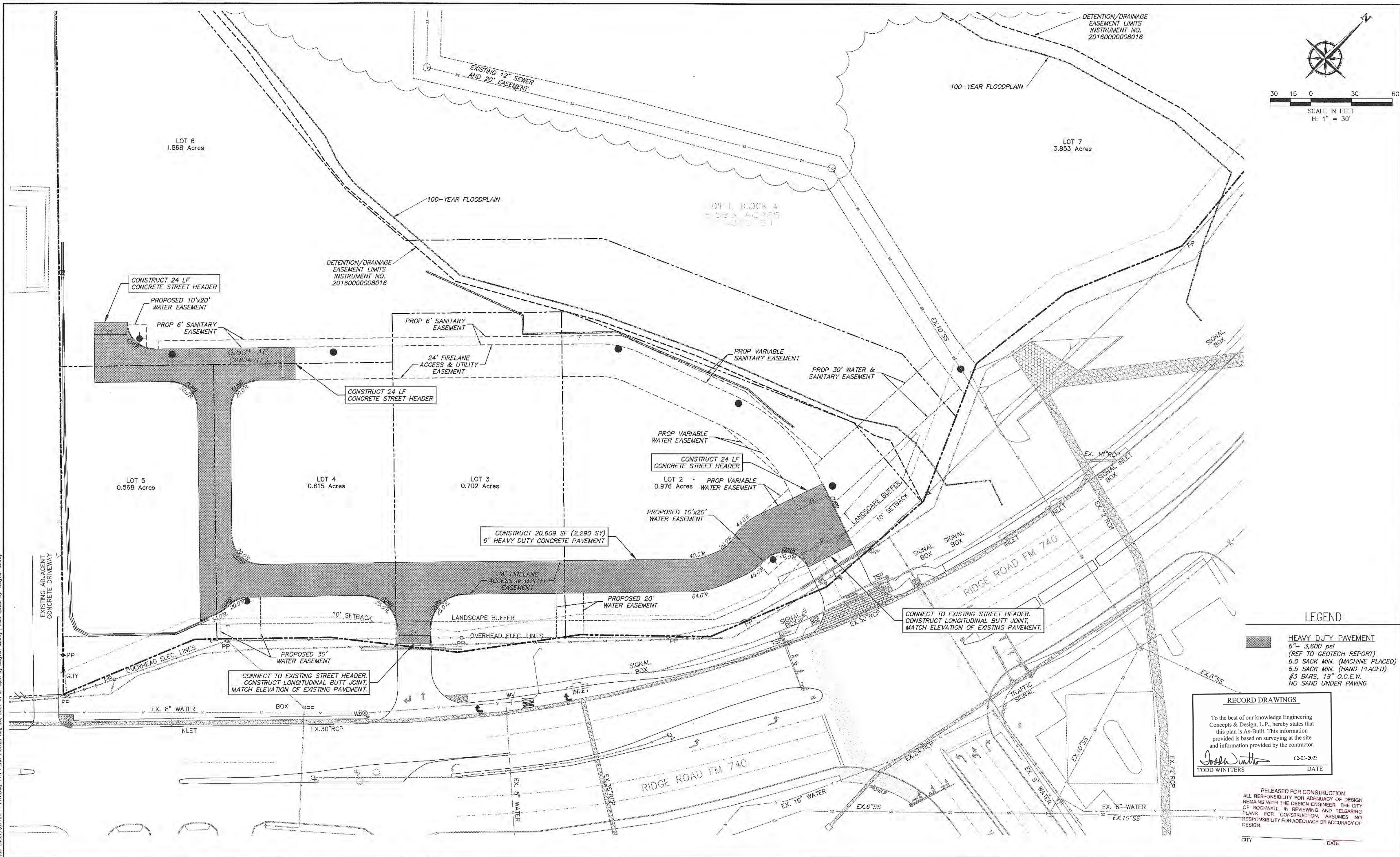


DIMENSION CONTROL PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C2
SHEET



30 15 0 30 60
SCALE IN FEET
H: 1" = 30'



LEGEND

- HEAVY DUTY PAVEMENT
- 6" - 3,600 psi (REF TO GEOTECH REPORT)
- 6.0 SACK MIN. (MACHINE PLACED)
- 6.5 SACK MIN. (HAND PLACED)
- #3 BARS, 18" O.C.E.W.
- NO SAND UNDER PAVING

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Todd Winters 02-03-2023
TODD WINTERS DATE

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CITY _____ DATE _____

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ENGINEERING CONCEPTS & DESIGN, L.P.

ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO: 03775A	
DWG FILE NAME: 3775A - PAV.DWG	

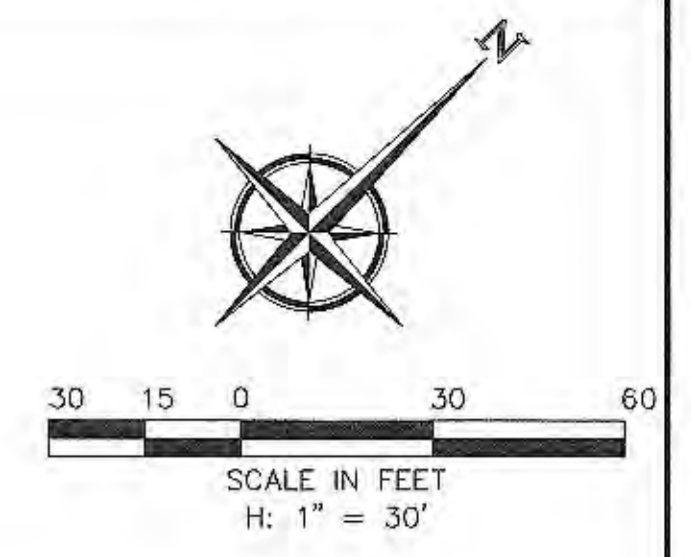
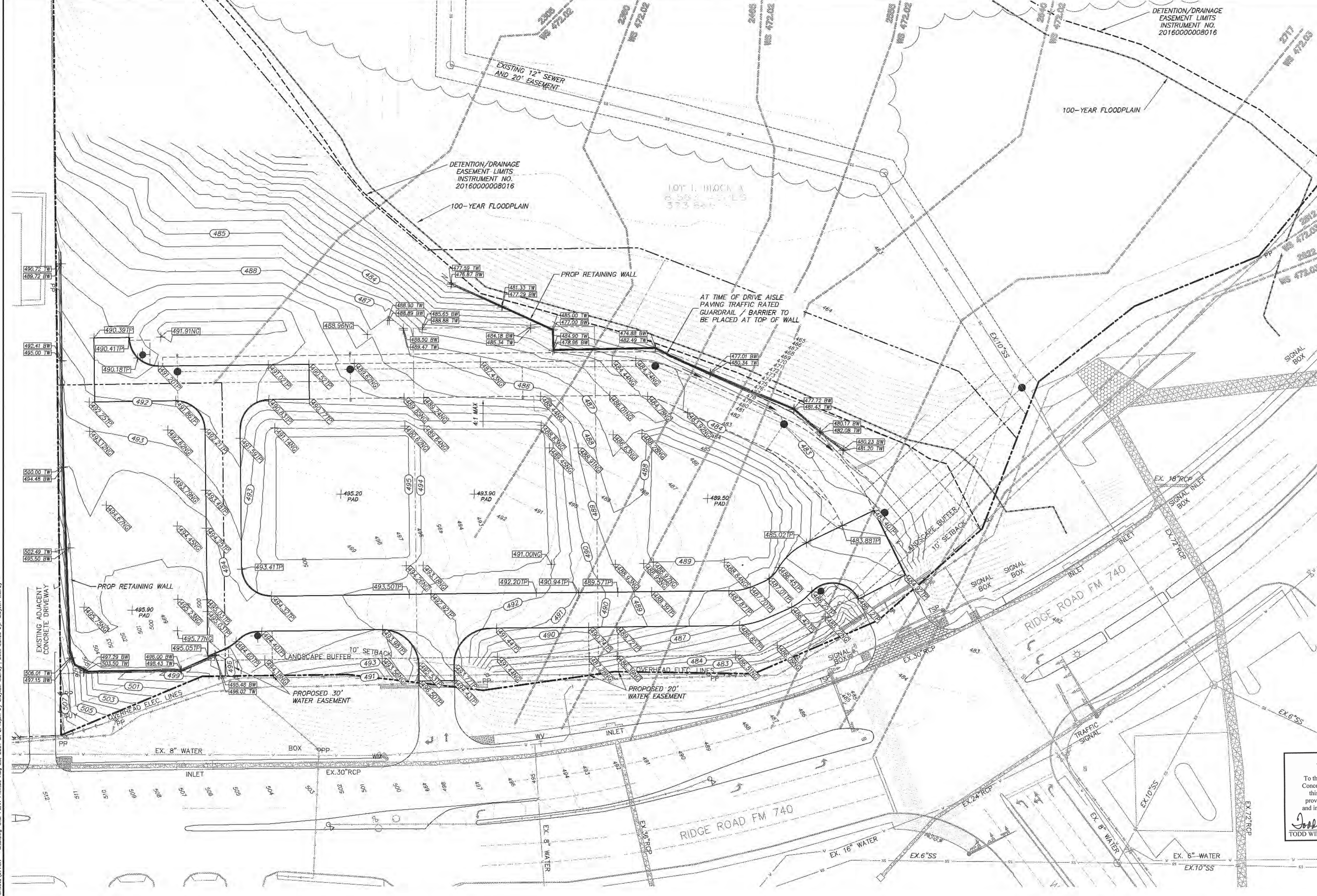
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Todd Winters 07/19/21



PAVING PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C3
SHEET



NOTES

1. ALL SPOT GRADES ARE FOR PROPOSED EDGE OF PAVEMENT OR GUTTER ELEVATIONS, UNLESS INDICATED OTHERWISE.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES OF THE PROJECT.
3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. WITHIN THE AREA OF CONSTRUCTION. THEY MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER PLACING OF PAVING AND GRADING.
4. SIDEWALKS SHALL HAVE A LONGITUDINAL SLOPE NO GREATER THAN 5% AND A CROSS SLOPE NOT GREATER THAN 2% UNLESS OTHERWISE NOTED.
5. REFERENCE LANDSCAPE PLANS FOR LIMITS OF LANDSCAPING AND SEEDING/SODDING. IN THE EVENT AN AREA IS DISTURBED DUE TO CONSTRUCTION OR GRADING AND IS NOT CALLED OUT FOR TREATMENT UNDER THE LANDSCAPE PLAN, THEN THE MINIMUM REQUIRED TREATMENT SHALL BE HYDRO MULCH SEEDING. IN SOME INSTANCES THE PLANS WILL REQUIRE BLOCK SODDING TO STABILIZE SLOPES.
6. ALL RETAINING WALLS TO BE ROCK OR STONE FACED.

LEGEND

- 460.00 = TOP OF PROP PAVT
- FF=460.00 = PROP FINISHED FLOOR ELEV
- 460.00 TW = TOP OF WALL
- 460.00 BW = BOTTOM OF WALL
- TC 460.00 = TOP OF GRATE ELEV
- - - = EXISTING CONTOUR
- = PROPOSED CONTOUR

RECORD DRAWINGS

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Todd Winters DATE: 02-03-2023
TODD WINTERS

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

CITY _____ DATE _____

MON. ROOS-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIUM OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO. 740.

MON. ROO7 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!

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DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A-GRD.DWG	

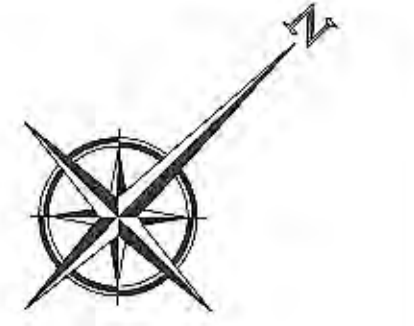
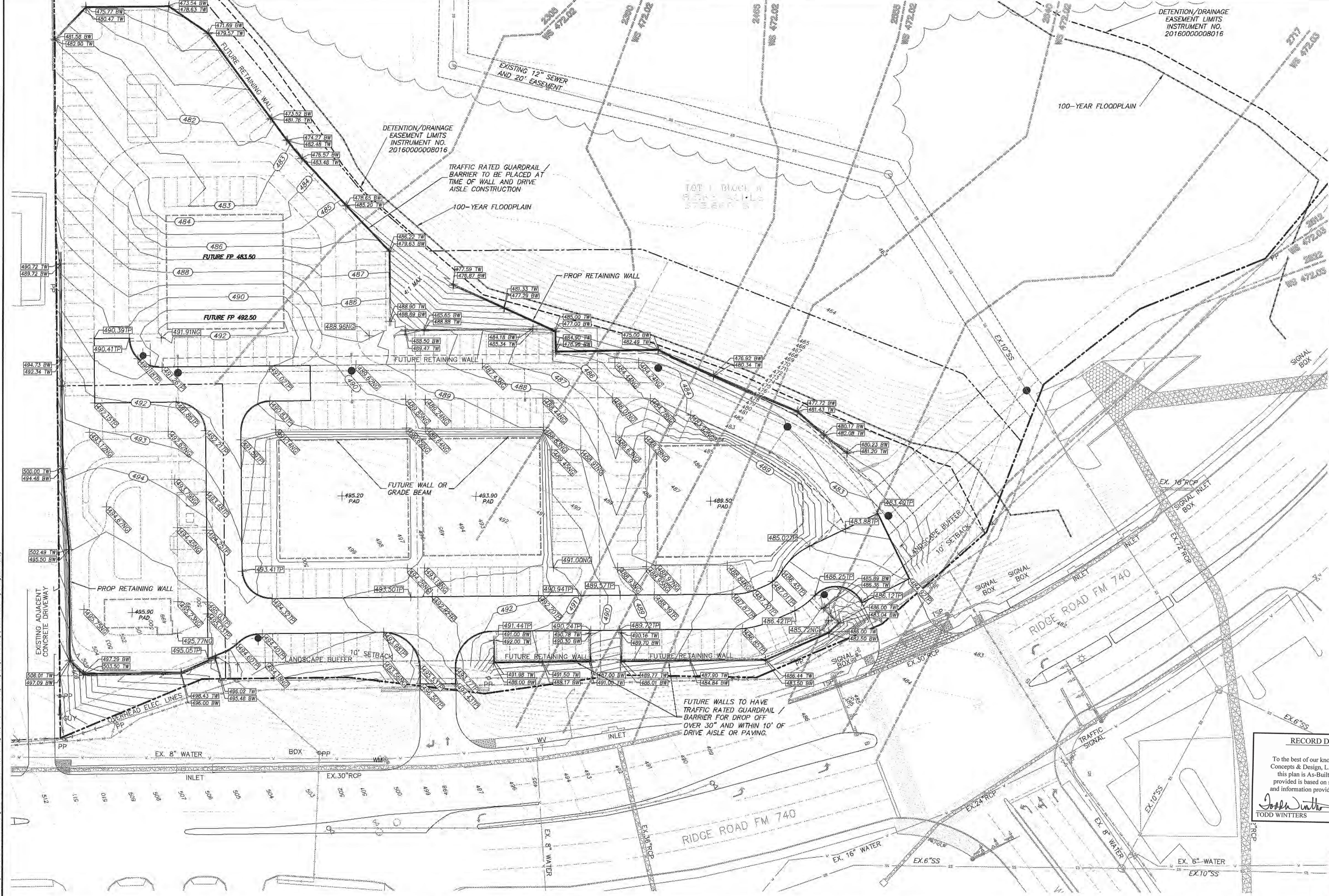
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Todd Winters 07/19/21

GRADING PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C4.1

SHEET



30 15 0 30 60
SCALE IN FEET
H: 1" = 30'

NOTES

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LEGEND

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- FF=460.00 = PROP FINISHED FLOOR ELEV
- 460.00 TW = TOP OF WALL
- 460.00 BW = BOTTOM OF WALL
- TG 460.00 = TOP OF GRATE ELEV
- - - - - = EXISTING CONTOUR
- - - - - = PROPOSED CONTOUR
- - - - - = 10 YEAR WATER SURFACE SECTIONS

RECORD DRAWINGS
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Todd Winters
TODD WINTERS
02-03-2023
DATE

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CITY _____ DATE _____

MON. R005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
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BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!
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DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - GRD FUTURE.DWG	

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Todd Winters 07/19/21

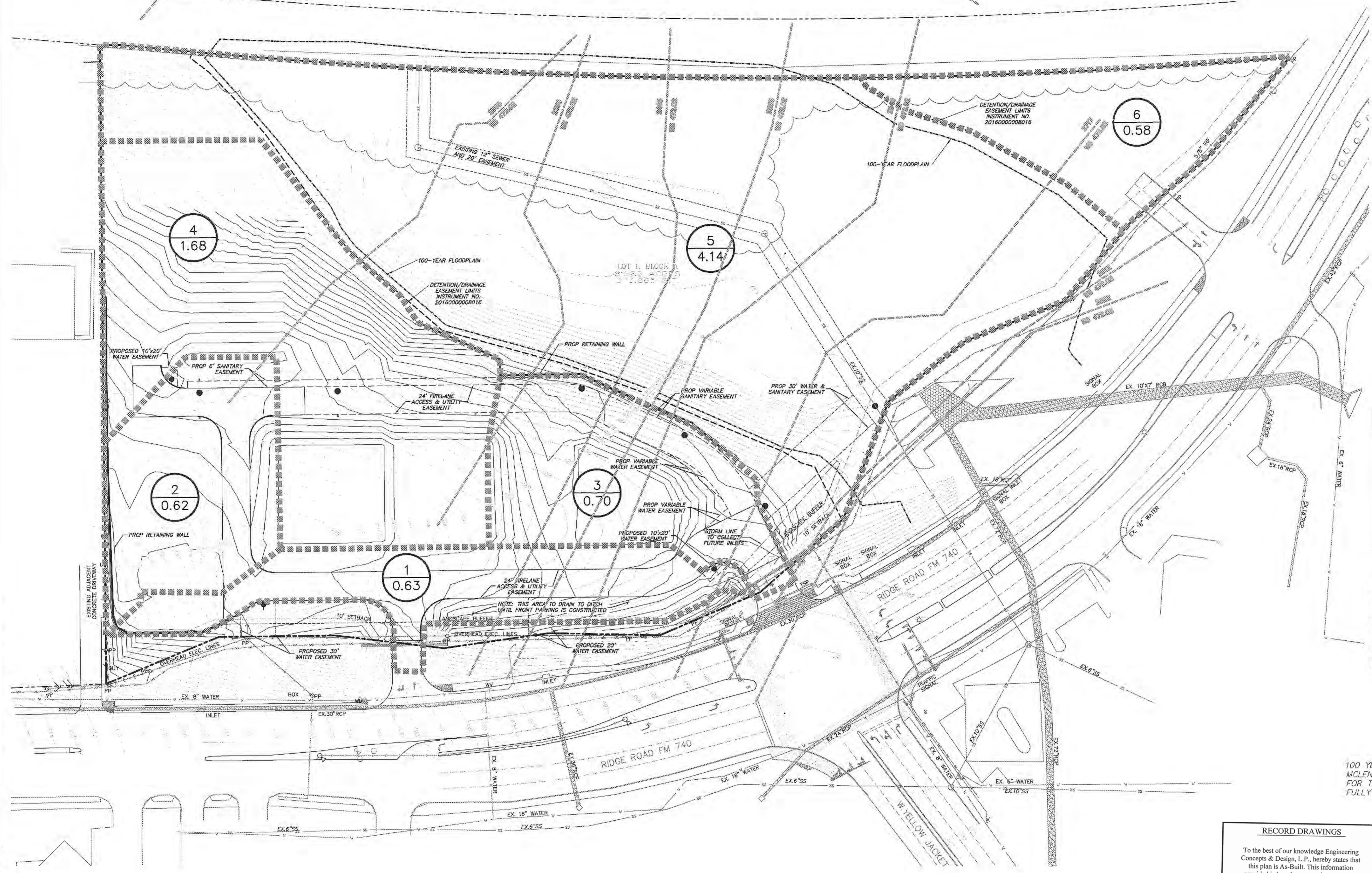
FUTURE GRADING PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C4.2
SHEET

UNION PACIFIC RAILROAD



30 15 0 30 60
SCALE IN FEET
H: 1" = 30'



LEGEND

- 1 DRAINAGE AREA NUMBER
- 0.36 DRAINAGE AREA SIZE (AC)
- DRAINAGE DIVIDE
- FLOW DIRECTION
- EXISTING CONTOURS
- (A1) INLET NAME

PROPOSED DRAINAGE CALCULATIONS

AREA #	AREA (acres)	C	Tc	I100 (in/hr)	O100 (cfs)	COMMENTS
1	0.63	0.90	10	5.80	5.56	SHEET FLOW
2	0.62	0.90	10	5.80	5.47	SHEET FLOW
3	0.70	0.90	10	5.80	6.17	SHEET FLOW
4	1.68	0.90	10	5.80	14.82	SHEET FLOW
5	4.14	0.35	20	8.30	12.02	SHEET FLOW
6	0.58	0.90	10	5.80	5.12	SHEET FLOW

100 YEAR FLOOD ELEVATION PER THE STUDY BY DAVID MCLENDON, P.E. THE STUDY INCORPORATES DETENTION FOR THE DEVELOPABLE PORTION OF THIS PROPERTY AT FULLY DEVELOPED CONDITIONS.

RECORD DRAWINGS

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Todd D. Winters
TODD D. WINTERS
02-03-2023
DATE

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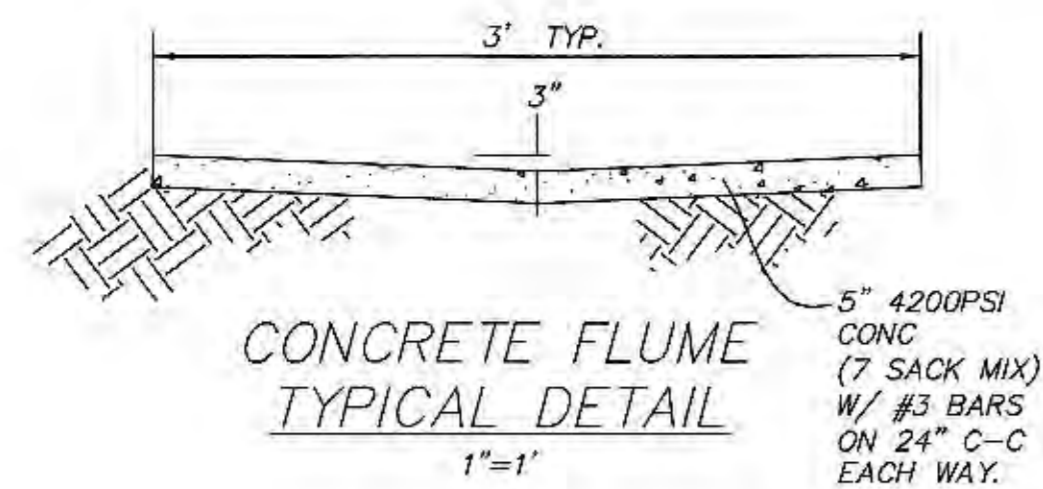
DRAWN: ECDLP DATE: July 19, 2021
CHECKED: TW DATE: July 19, 2021
PROJECT NO.: 03775A
DWG FILE NAME: 3775A - DAM.DWG

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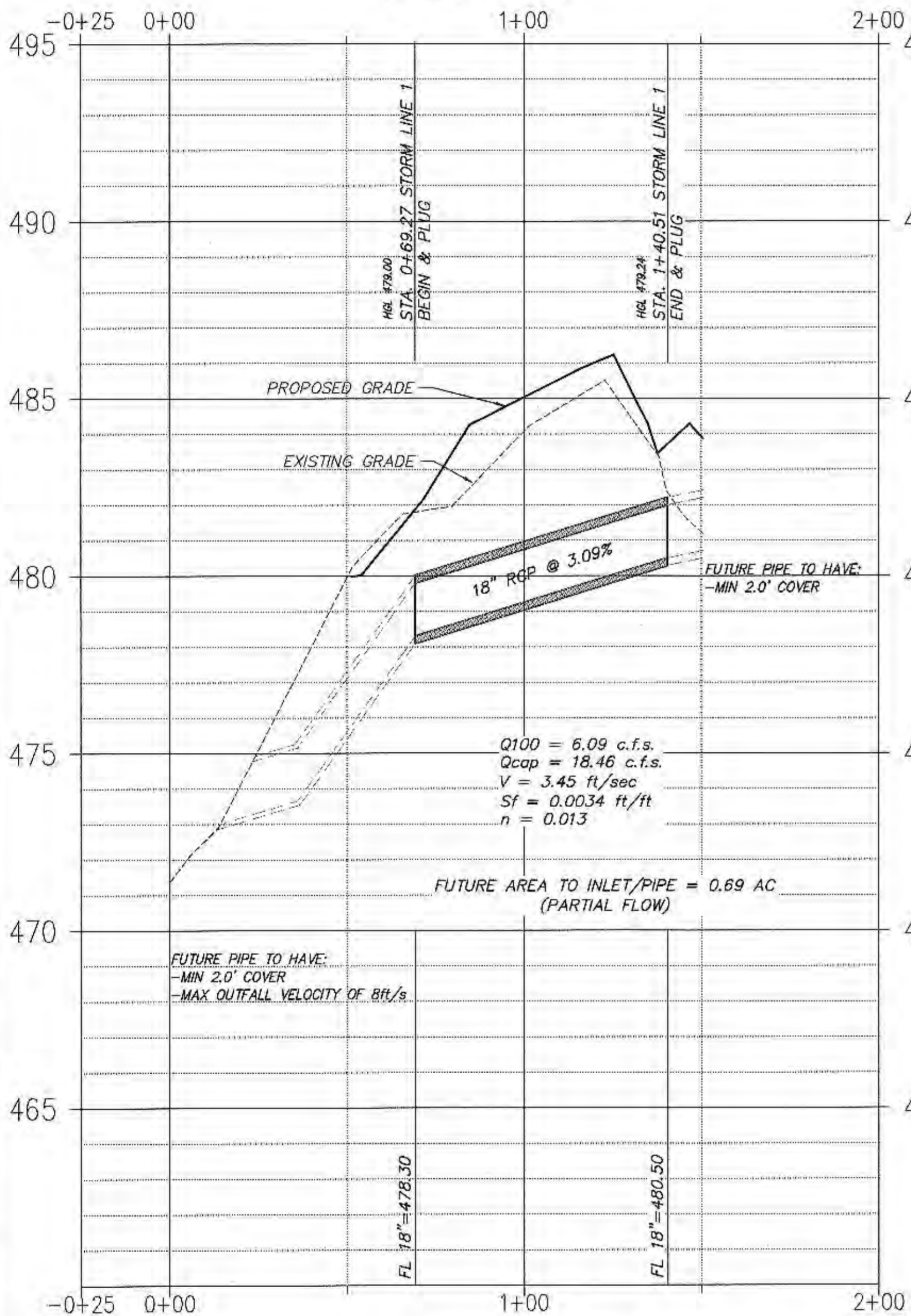


DRAINAGE AREA MAP
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

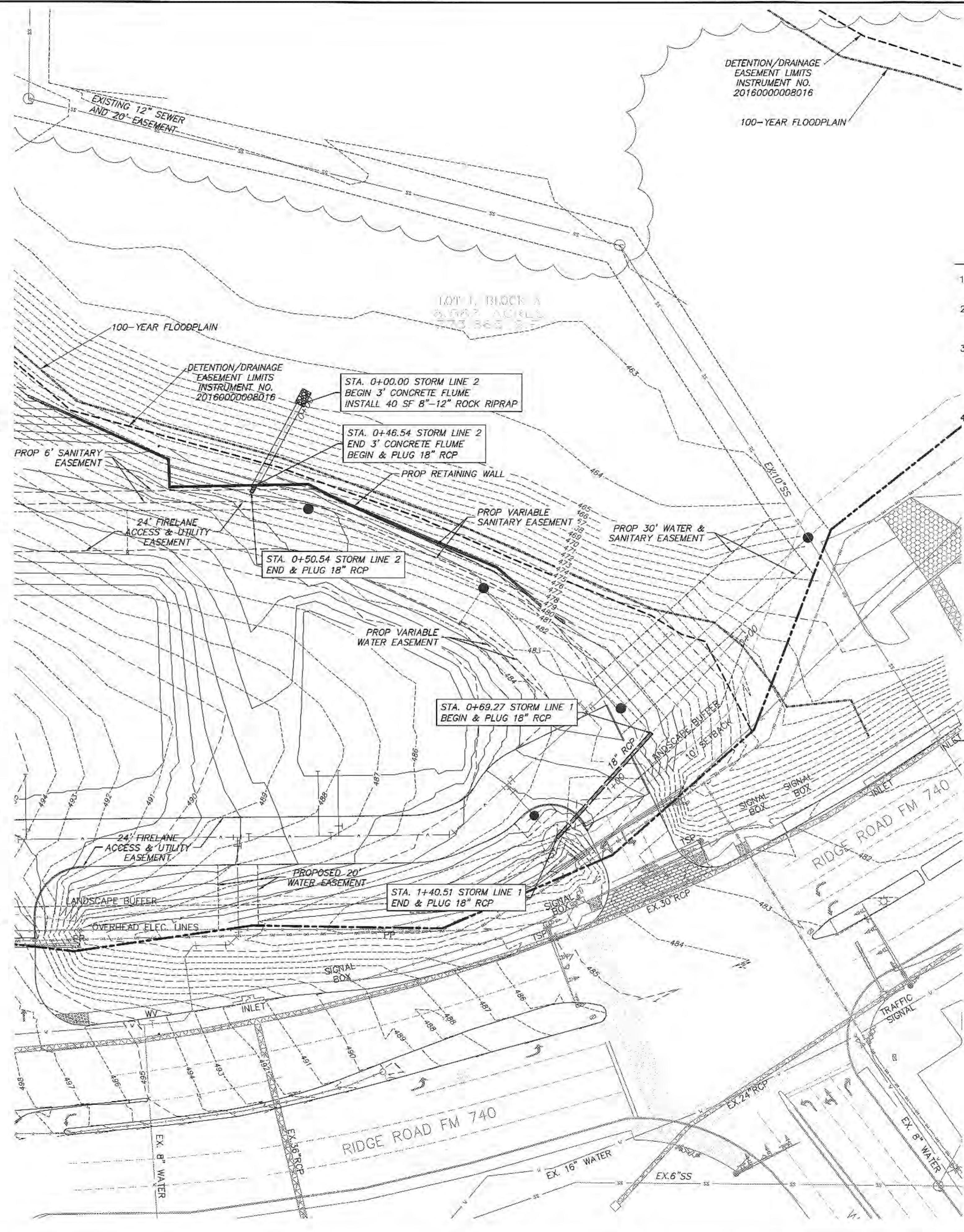
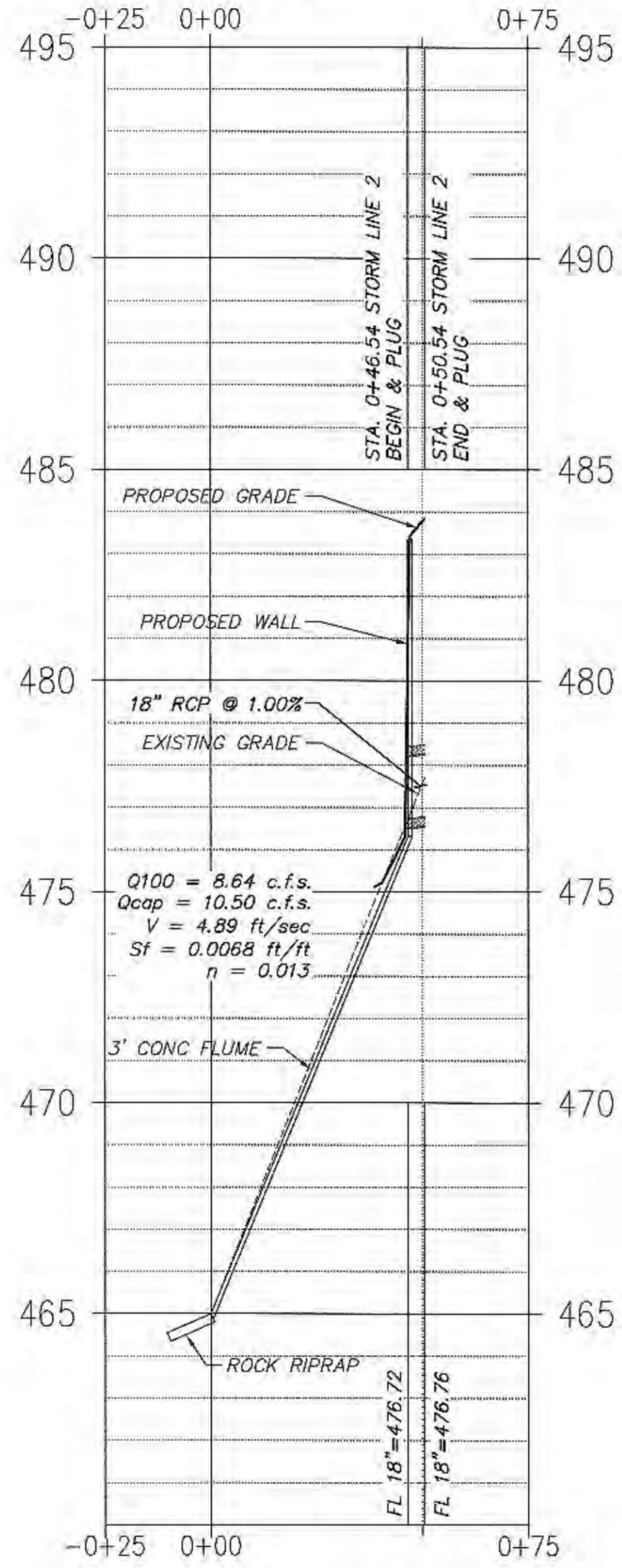
C5
SHEET



STORM LINE 1
SCALE H: 1"=3'
SCALE V: 1"=10.00'



STORM LINE 2
SCALE H: 1"=3'
SCALE V: 1"=10.00'



NOTES

1. STORM PIPE TO BE CLASS III RCP, UNLESS OTHERWISE NOTED.
2. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
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LEGEND

- PROP. SANITARY SEWER
- PROP. WATER
- - - EXIST. SANITARY SEWER
- - - EXIST. WATER
- PROP. MANHOLE
- PROP. CLEANOUT
- T PROP. VALVE
- ⊕ PROP. FIRE HYDRANT
- PROP. METER

RECORD DRAWINGS

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Todd Winters 02-03-2023
TODD WINTERS DATE

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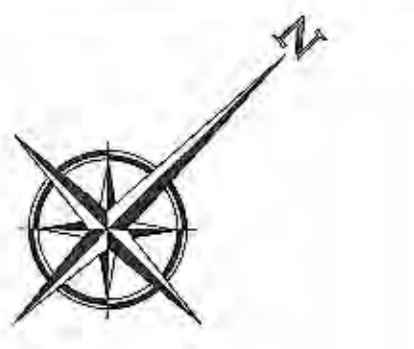
DRAWN: ECDLP	DATE: July 21, 2021
CHECKED: TW	DATE: July 21, 2021
PROJECT NO: 03775A	
DWG FILE NAME: 3775A-STIM.DWG	

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Todd Winters 07/19/21

STORM PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C6
SHEET



NOTES

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4. INSTALL BLUE EMS DISKS ON THE WATER LINE AT EVERY CHANGE IN DIRECTION, VALVE, FIRE HYDRANT, SERVICE CONNECTION, AND EVERY 250'.
5. ALL WASTEWATER LINES SHALL BE TESTED FOR INFILTRATION IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. IN GENERAL, ALL WASTEWATER PIPE SHALL BE INSTALLED SO THAT THE COMPLETED WASTEWATER WILL HAVE A MAXIMUM EXFILTRATION OF ONE HUNDRED FIFTY (150) GALLONS PER INCH OF INTERNAL DIAMETER, PER MILE OF PIPE, PER 24 HOURS, WHERE THE MAXIMUM HYDROSTATIC HEAD AT THE CENTERLINE OF THE PIPE DOES NOT EXCEED TWENTY-FIVE (25) FEET. A TELEVISION SURVEY WILL BE PERFORMED AS PART OF THE FINAL TESTING IN THE TENTH (10TH) MONTH OF THE MAINTENANCE PERIOD. THE CITY'S REPRESENTATIVE SHALL BE PRESENT AT ALL TESTING. ALL EXPENSES FOR THIS WORK SHALL BE THE DEVELOPER'S RESPONSIBILITY.
6. INSTALL GREEN EMS DISKS ON SANITARY SEWER LINE AT EVERY CHANGE IN DIRECTION, MANHOLE, SERVICE, & CLEAN OUT.
7. ALL MANHOLES TO BE RAVEN LINED OR APPROVED EQUAL.
8. INSTALL ALL FIRE HYDRANTS 5' BACK OF CURB.
9. ALL UNDERGROUND FIRE LINE STUBS WILL REQUIRE SEPARATE PERMITS AND INSPECTIONS FROM THE FIRE DEPARTMENT.

LEGEND

- PROP. SANITARY SEWER
- PROP. WATER
- EXIST. SANITARY SEWER
- EXIST. WATER
- PROP. MANHOLE
- PROP. CLEANOUT
- PROP. VALVE
- PROP. FIRE HYDRANT
- PROP. METER
- Ⓢ INSTALL 1" IRRIGATION SERVICE AND PLUG

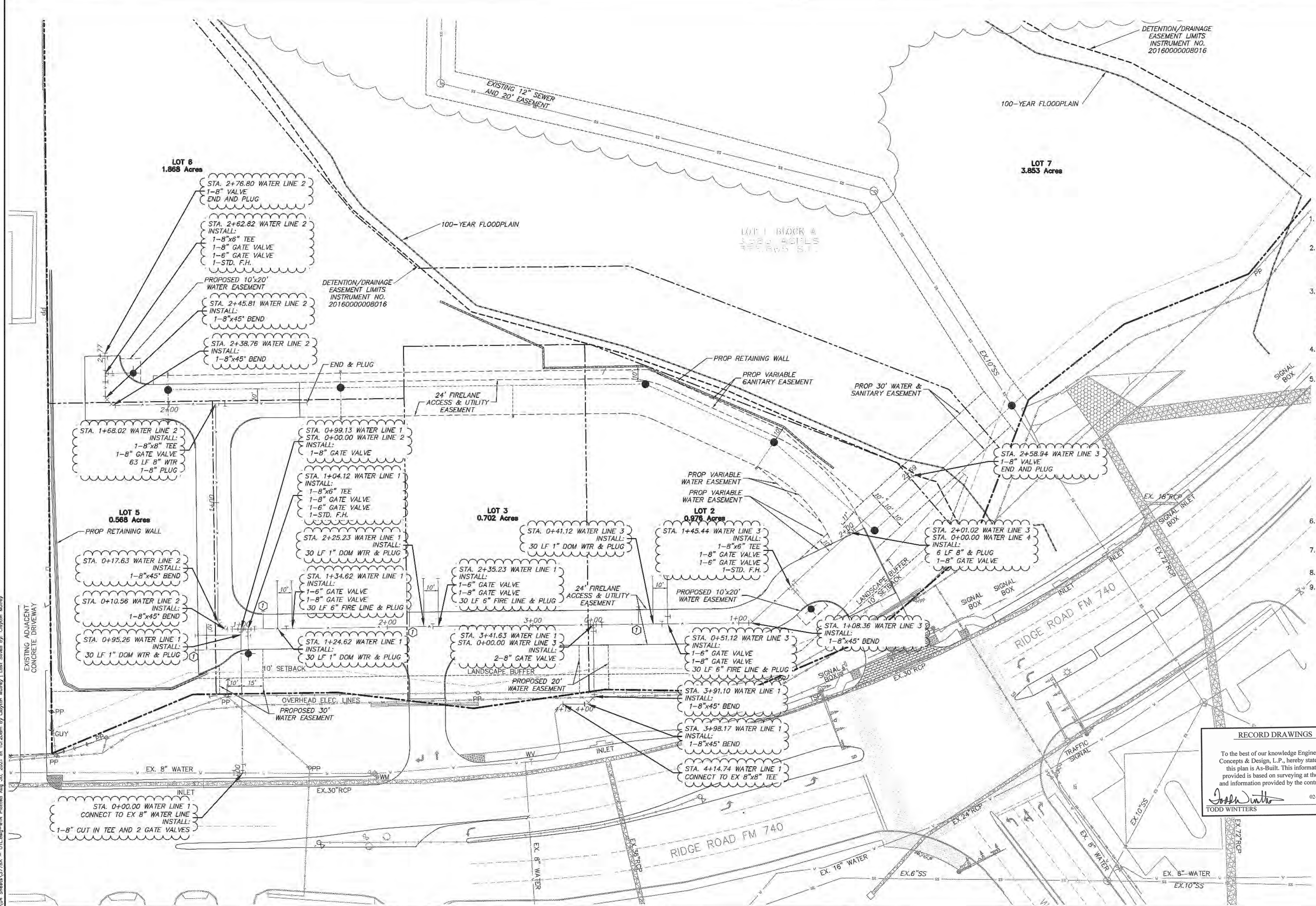
RECORD DRAWINGS

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DRAWN: ECDLP	DATE: August 30, 2021
CHECKED: JW	DATE: August 30, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - UTIL.DWG	

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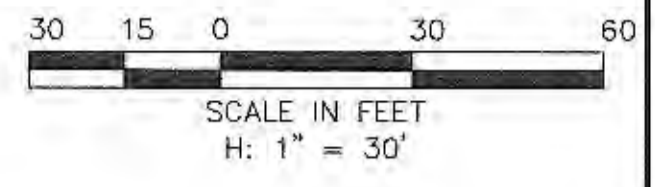
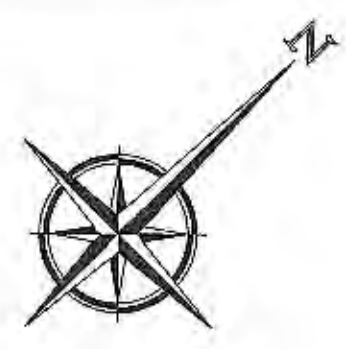


WATER PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C7
SHEET

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MON. R007 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION 1-30 SOUTH SERVICE ROAD & MIMS ROAD.

X:\PROJECTS\03775A\06 CAD Files\04 Sheets\3775A - UTIL.dwg-WTR Plotted Aug 30, 2021 at 10:20am by Clayton Mulvey | Last Saved by: Clayton Mulvey



NOTES

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7. ALL MANHOLES TO BE RAVEN LINED OR APPROVED EQUAL.

LEGEND

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- PROP. WATER
- - - EXIST. SANITARY SEWER
- - - EXIST. WATER
- PROP. MANHOLE
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- T PROP. VALVE
- ⊕ PROP. FIRE HYDRANT
- PROP. METER

RECORD DRAWINGS

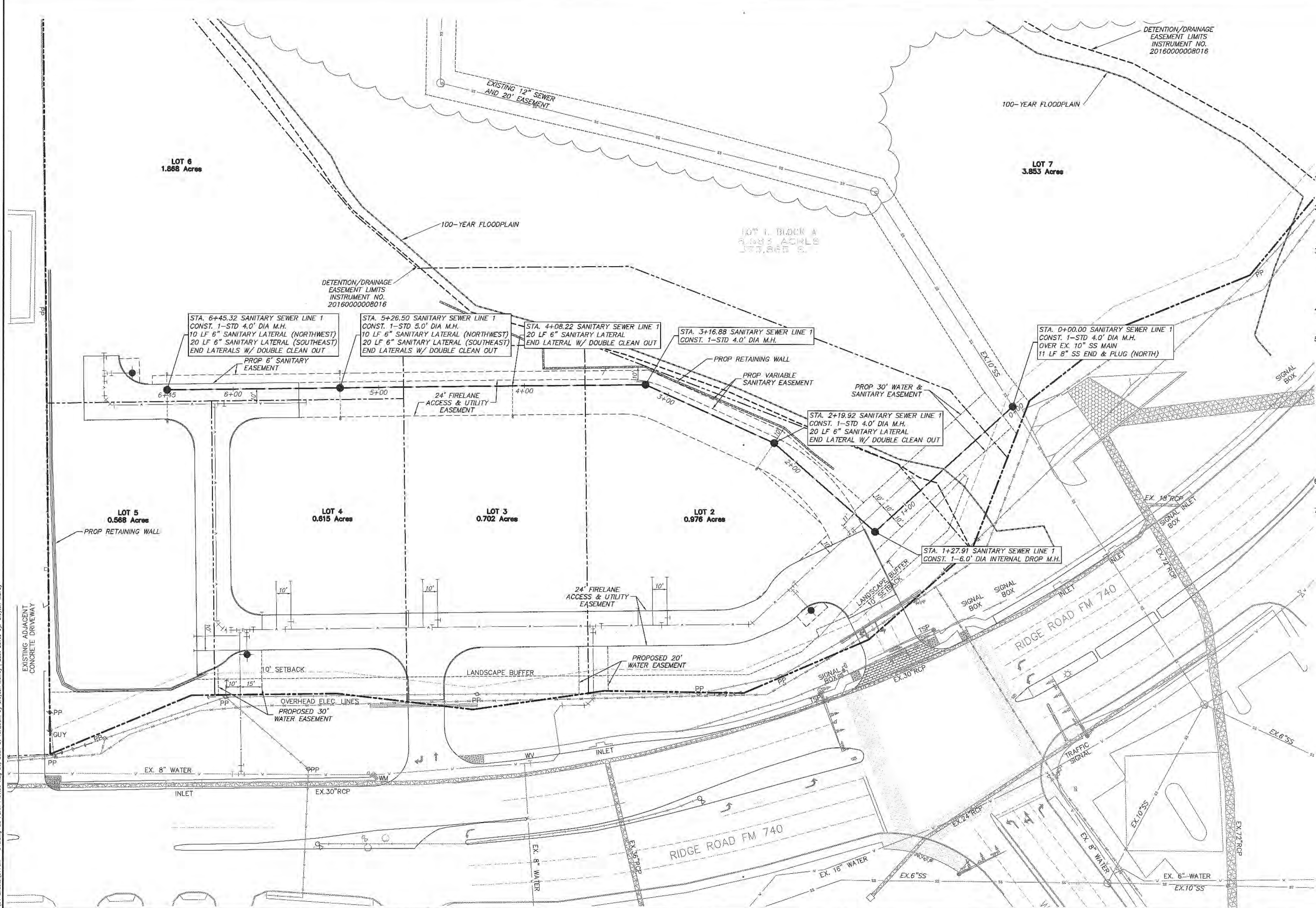
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Todd Winters 02-03-2023
TODD WINTERS DATE

RELEASED FOR CONSTRUCTION

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CITY _____ DATE _____



CAUTION!

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ENGINEERINGCONCEPTS & DESIGN, L.P.

ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-00145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: ECDLP	DATE: August 30, 2021
CHECKED: JW	DATE: August 30, 2021
PROJECT NO: 03775A	
DWG FILE NAME: 3775A - UTIL.DWG	

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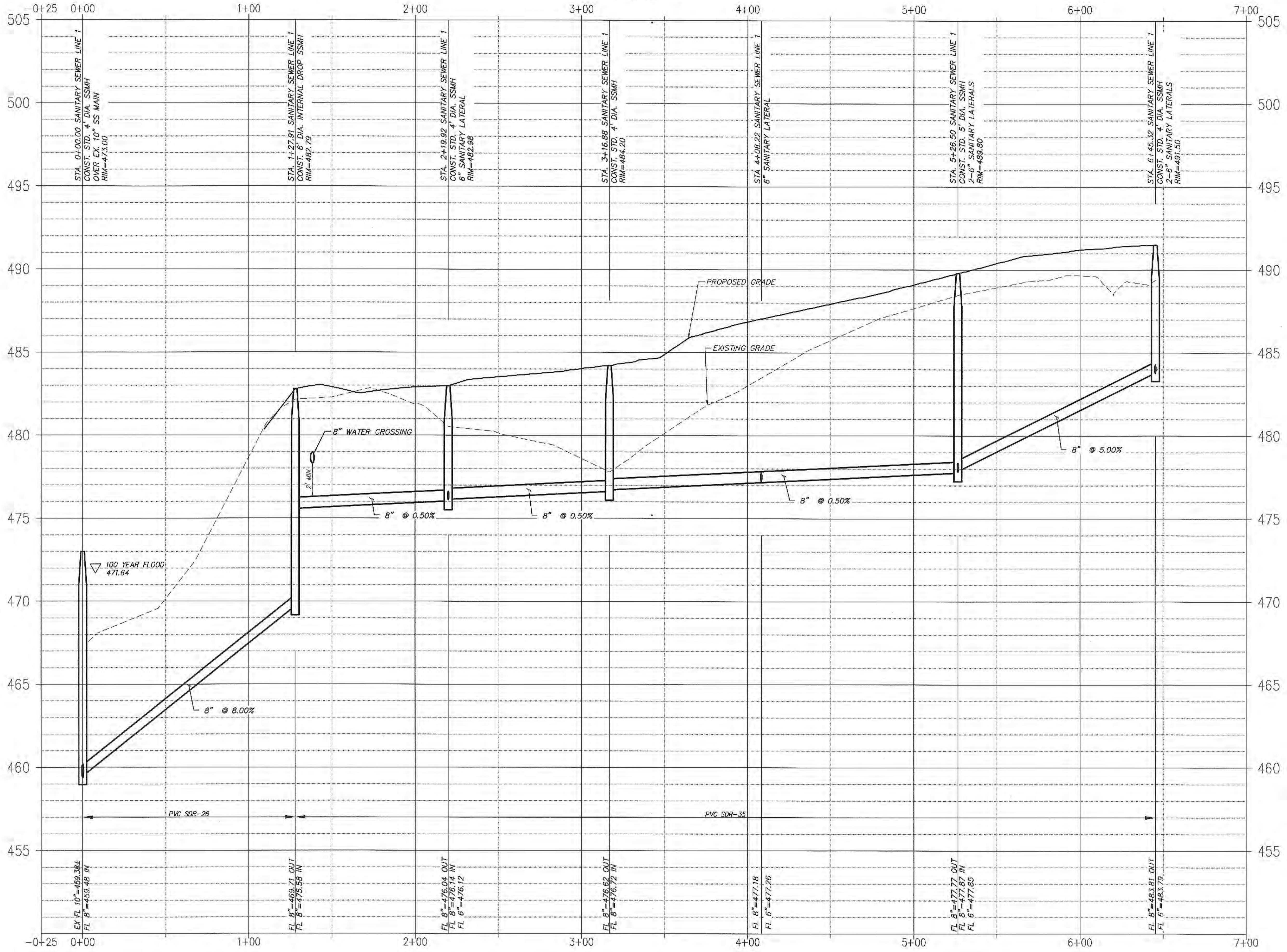
SANITARY SEWER PLAN
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C8

SHEET

MON. 005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
 MON. 007 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
 BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

SANITARY SEWER LINE 1
SCALE H: 1"=3'
SCALE V: 1"=10.00'



RECORD DRAWINGS
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Todd Winters
TODD WINTERS 02-03-2023
DATE

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CITY _____ DATE _____

Y:\PROJECTS\3775A\05 CAD Files\04 Sheets\3775A - UTLD.dwg-SS PLOT Aug 23, 2021 at 2:50pm by Clayton Mulvey | Last Saved by: Clayton Mulvey

MON. 005-1 N: 7023593.75795; E: 2594175.58258;
ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN
MEDIAN OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO.
740.
MON. 007 N: 7013837.484; E: 2595453.327; ELEVATION:
566.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30
SOUTH SERVICE ROAD & MIMS ROAD.

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ENGINEERINGCONCEPTS
& DESIGN, L.P.
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201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDL.P.COM

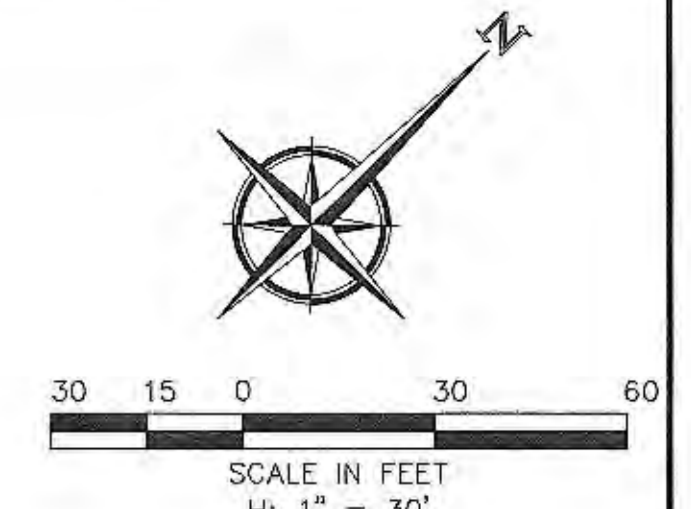
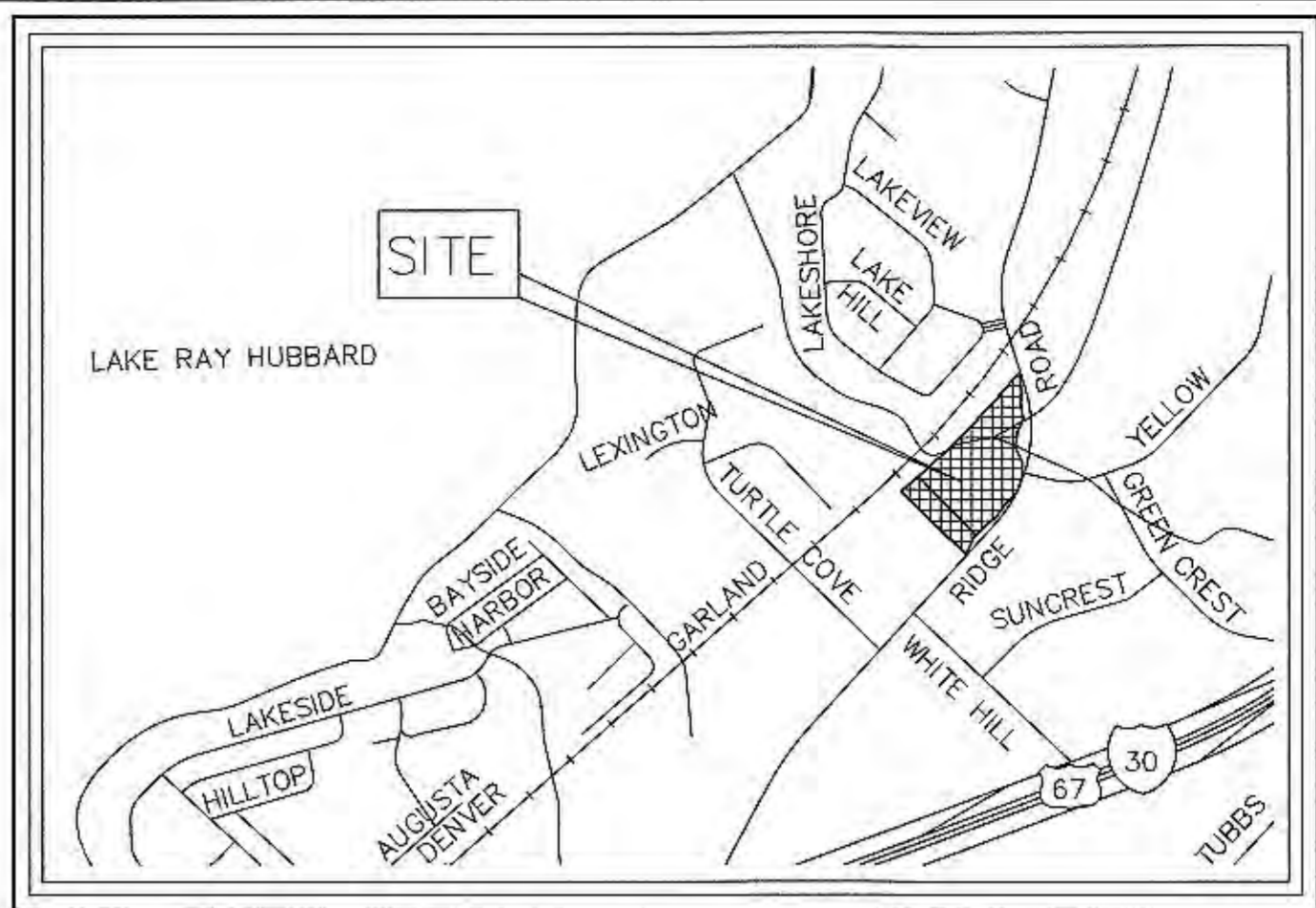
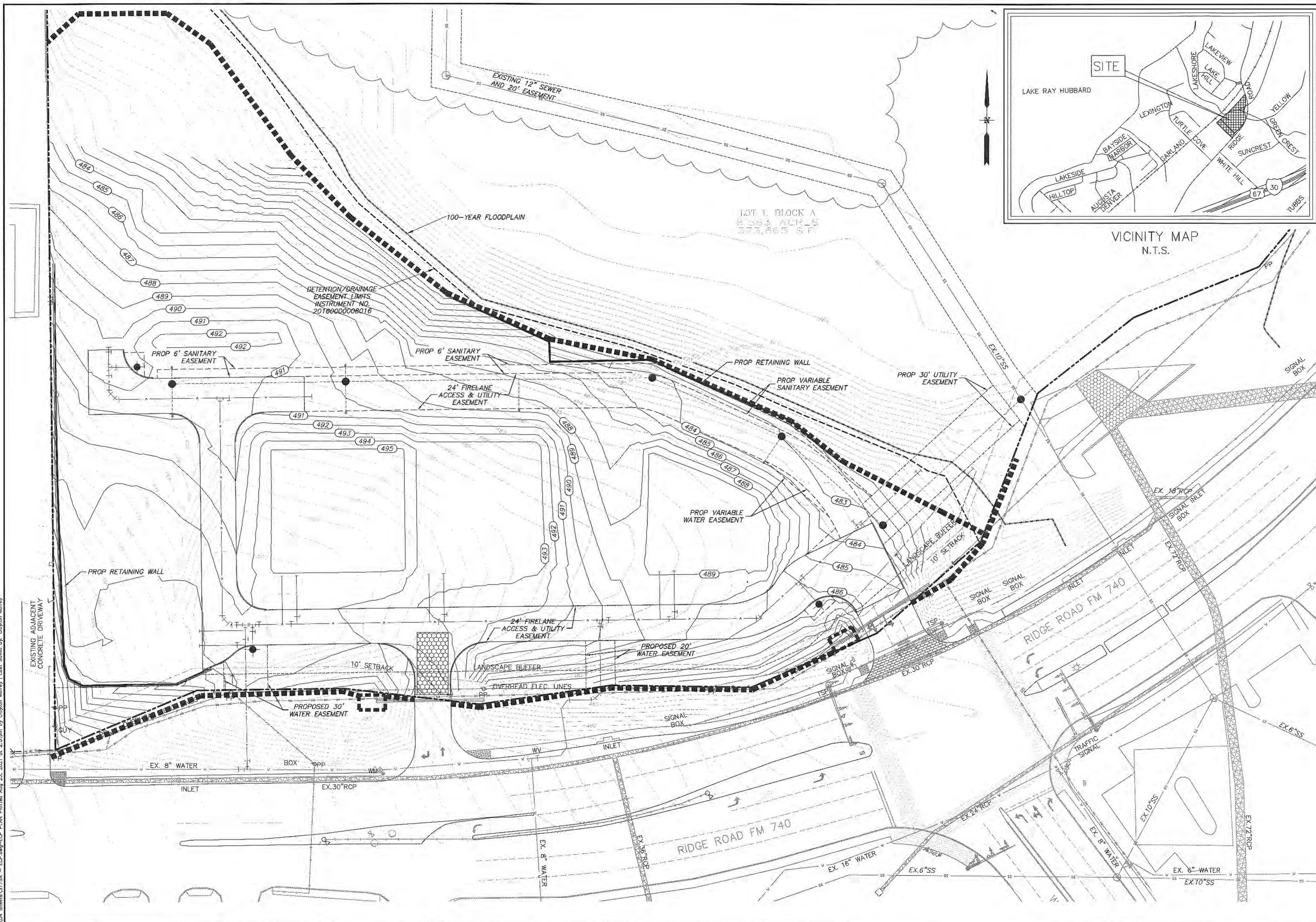
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CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - UTLD.DWG	

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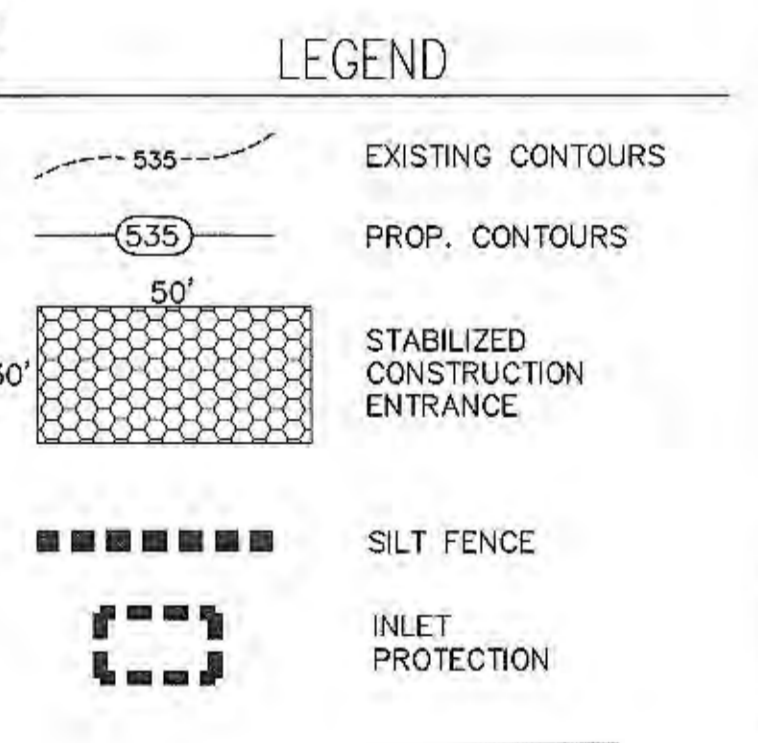


SANITARY SEWER PROFILE
SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C9
SHEET



- NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE AND PROPER SITE DRAINAGE THROUGHOUT THE DURATION OF THIS PROJECT.
 2. EROSION CONTROL DEVICES FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES & SHALL BE PRACTICED THROUGHOUT THE PROJECT.
 3. LOCATION OF CONSTRUCTION ENTRANCE/EXIT TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE CITY.
 4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
 5. ALL EROSION CONTROL DEVICES TO BE INSPECTED DAILY AND STREETS SHALL BE SWEEPED DAILY.
 6. ALL DISTURBED AREAS WILL REQUIRE SODDING AND WATERING AS NECESSARY TO ESTABLISH GRASS FOLLOWING FINAL GRADING, WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITIES CEASE.
 7. GRASS DAMAGED BY CONSTRUCTION SHALL BE REPLACED WITH HYDROMULCH SEEDING. PAYMENT SHALL BE FULL COMPENSATION FOR ALL LABOR & MATERIALS, INCLUDING WATER NECESSARY FOR ESTABLISHMENT.
 8. IF THE CITY OF ROCKWALL IDENTIFIES AREAS OF THE SWPPP THAT NEED IMPROVING OR REVISING, THE CONTRACTOR SHALL MAKE IMPROVEMENT TO THE PLAN AS DIRECTED.



RECORD DRAWINGS

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Todd Winters 02-03-2023
TODD WINTERS DATE

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NOTE:
ALL DISTURBED AREAS TO HAVE GRASS ESTABLISHED AT A HEIGHT OF 1" AND 80% COVERAGE PRIOR TO FINAL ENGINEERING ACCEPTANCE.

MON. 005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIAN OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO. 740.

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BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

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DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - ECP.DWG	

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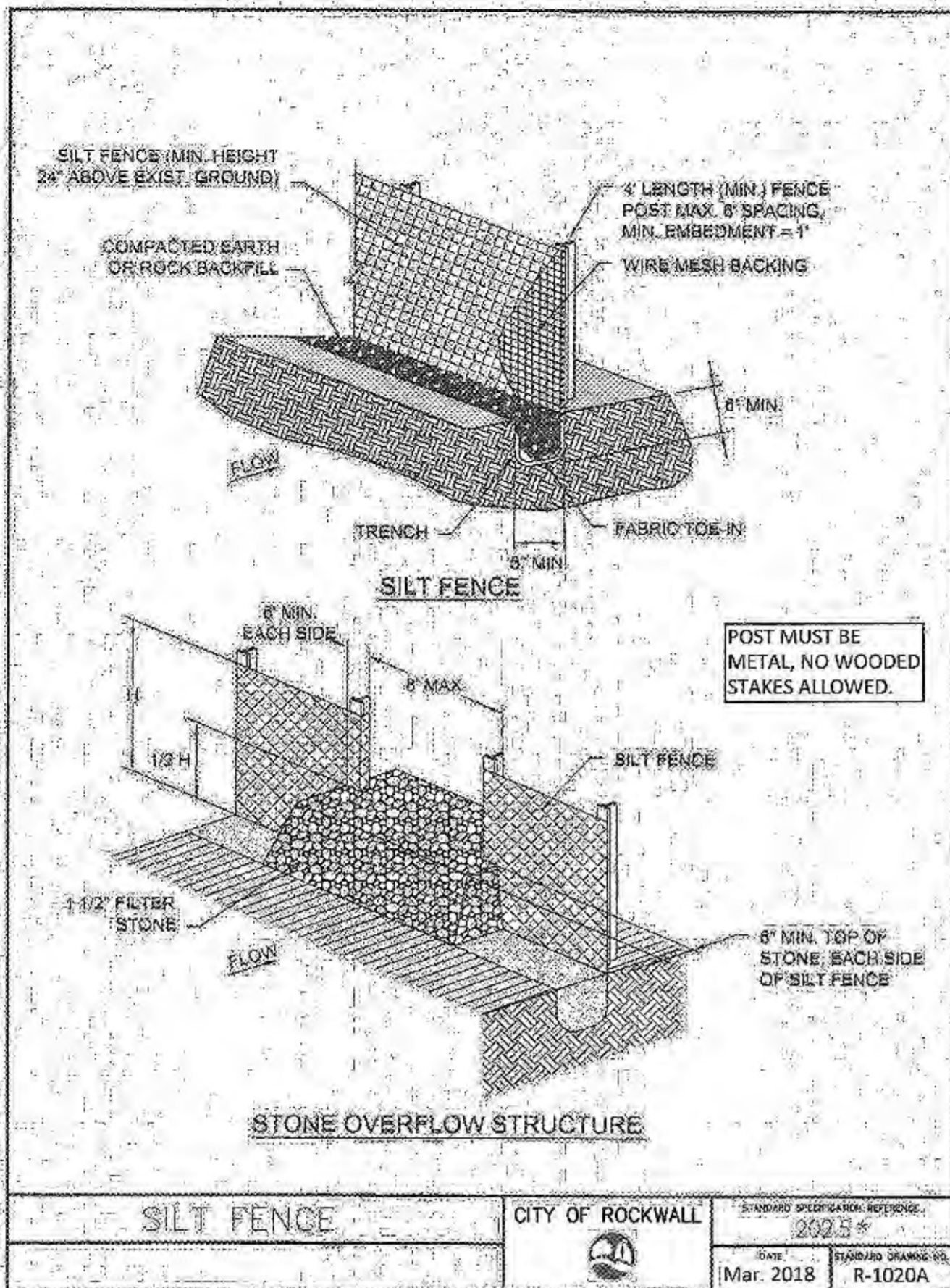
Todd Winters 07/19/21

EROSION CONTROL PLAN

SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

C10

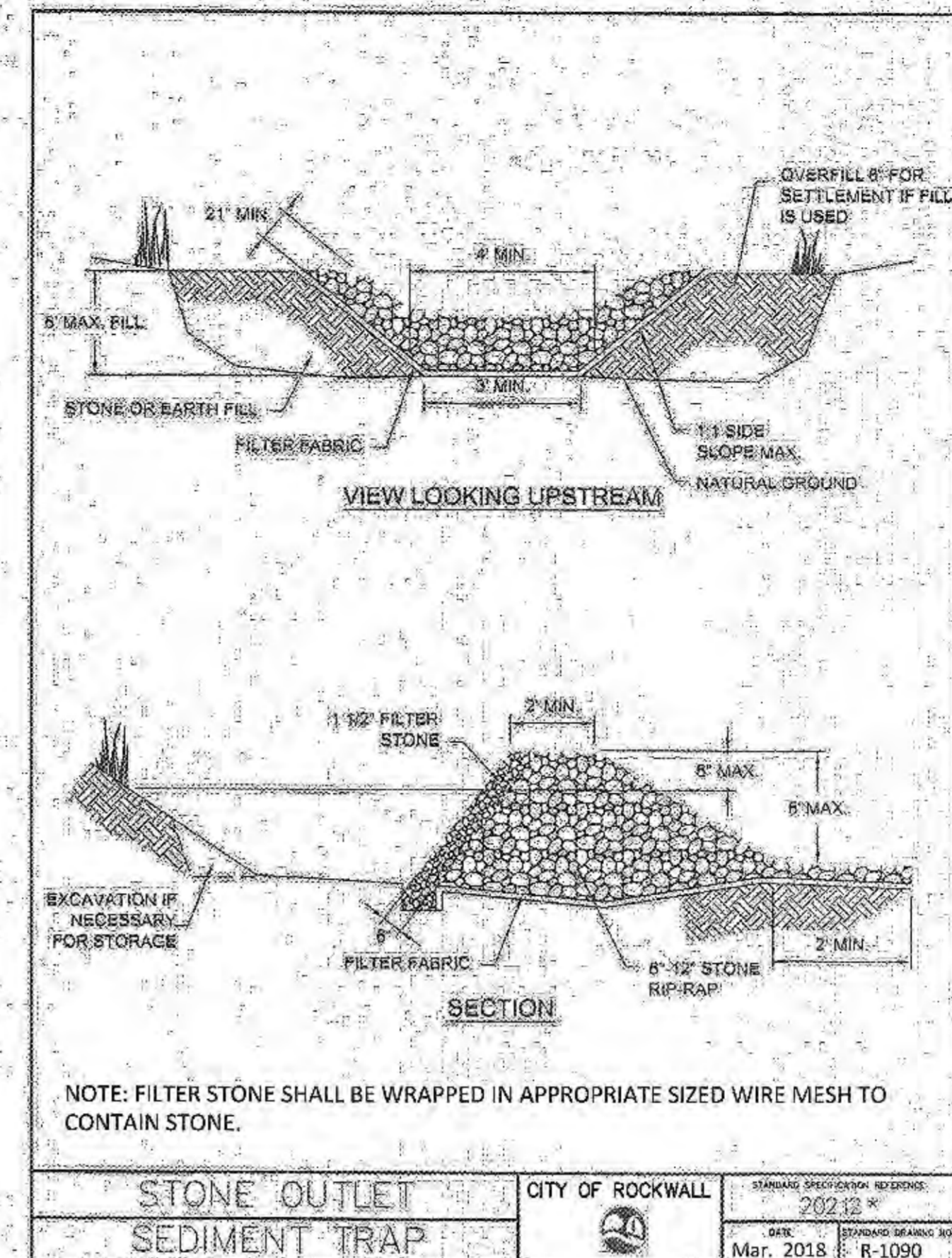
SHEET



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.

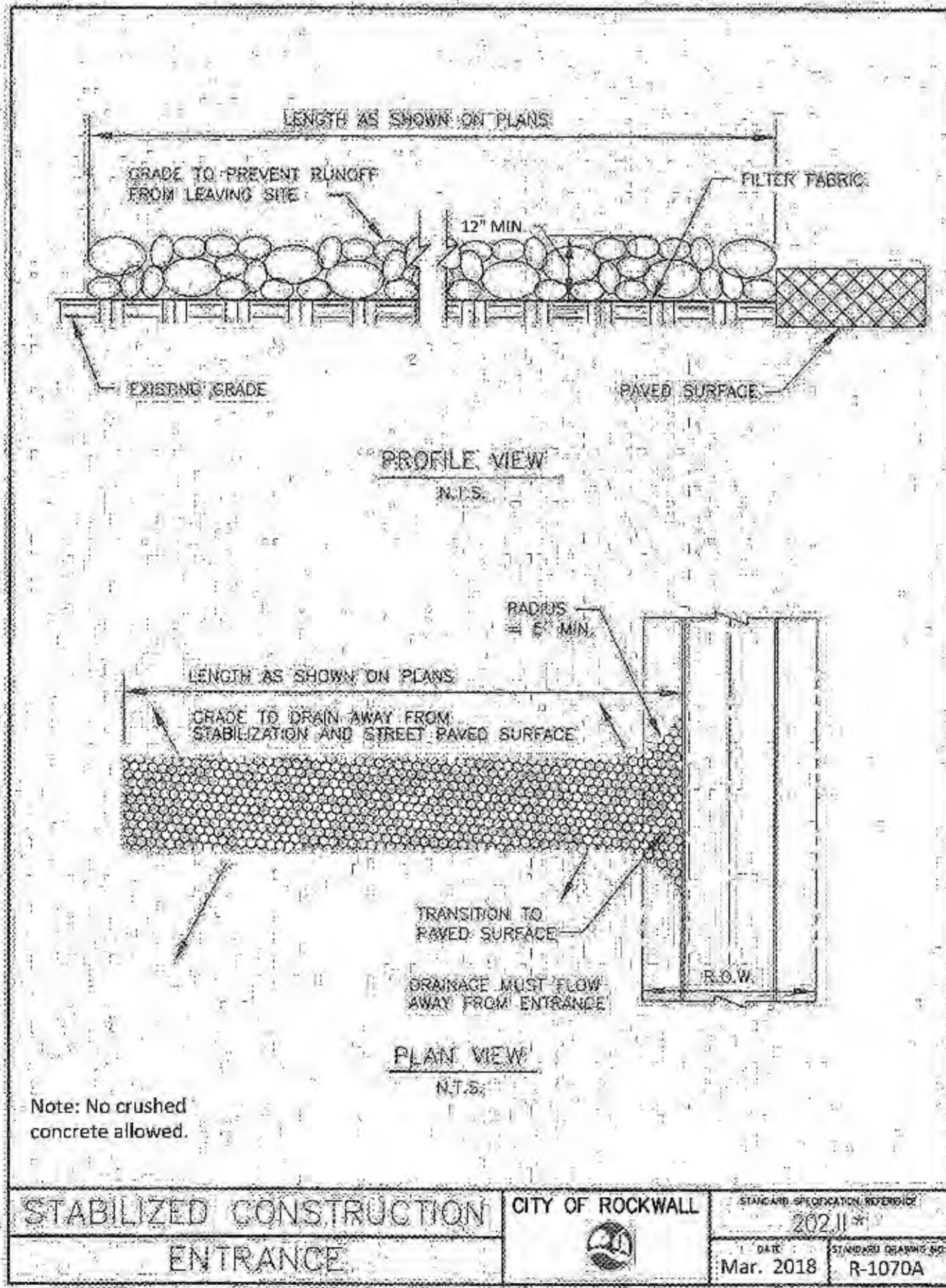
SILT FENCE	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE: 202.5*
		DATE: Mar. 2018
		STANDARD DRAWING NO.: R-1020B



ROCK CHECK DAM GENERAL NOTES:

1. STONE SHALL BE WELL GRADED WITH SIZE RANGE FROM 1 1/2 TO 3 INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.
2. 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.
3. 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.
4. 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.
5. FILTER STONE SHALL BE WRAPPED IN APPROPRIATE SIZED WIRE MESH TO CONTAIN STONE AND BURIED SIX (6") INCHES MINIMUM.

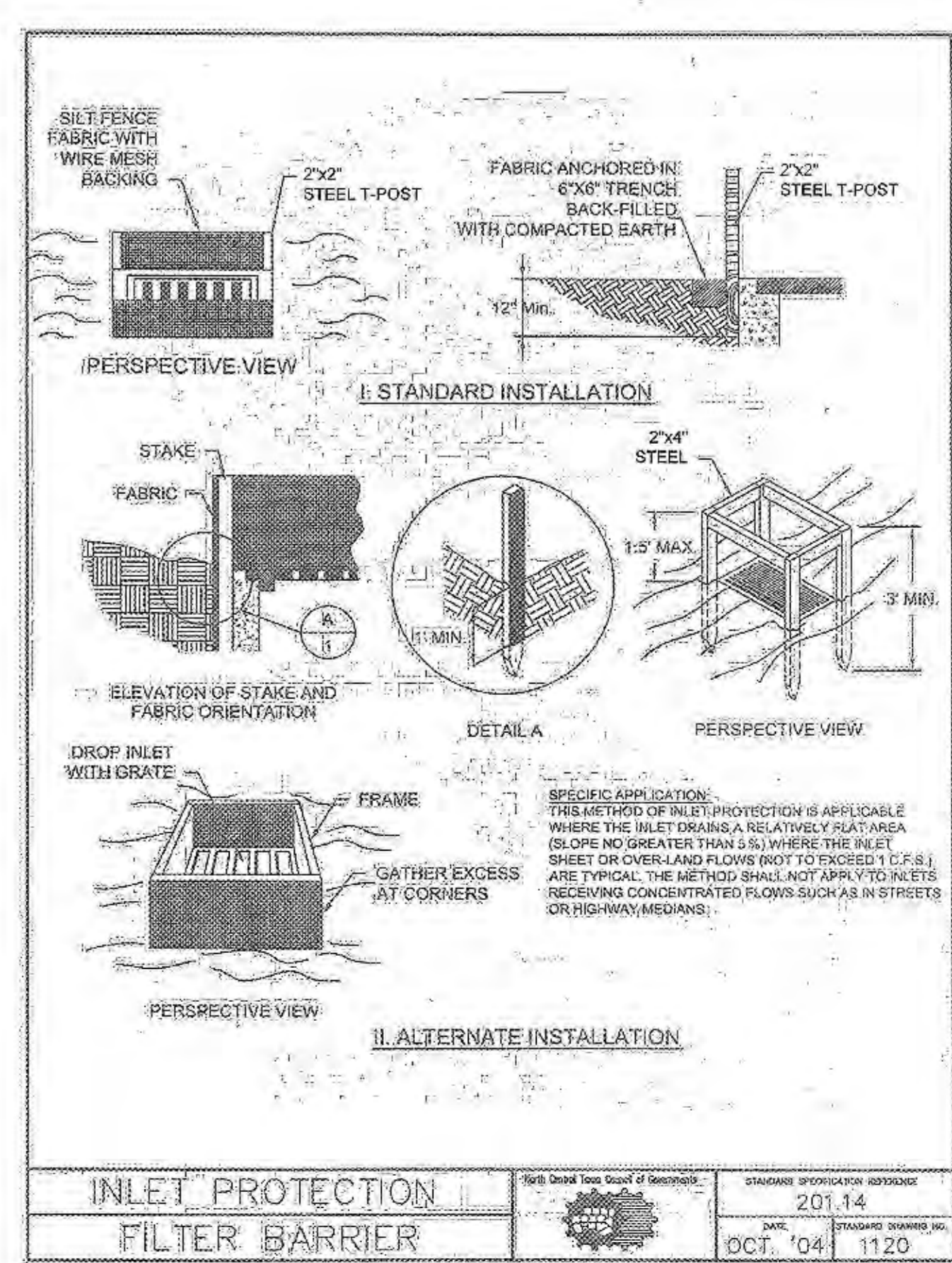
ROCK CHECK DAM	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE: 202.9*
		DATE: Mar. 2018
		STANDARD DRAWING NO.: R-1060B



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 CONCRETE ALLOWED.

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



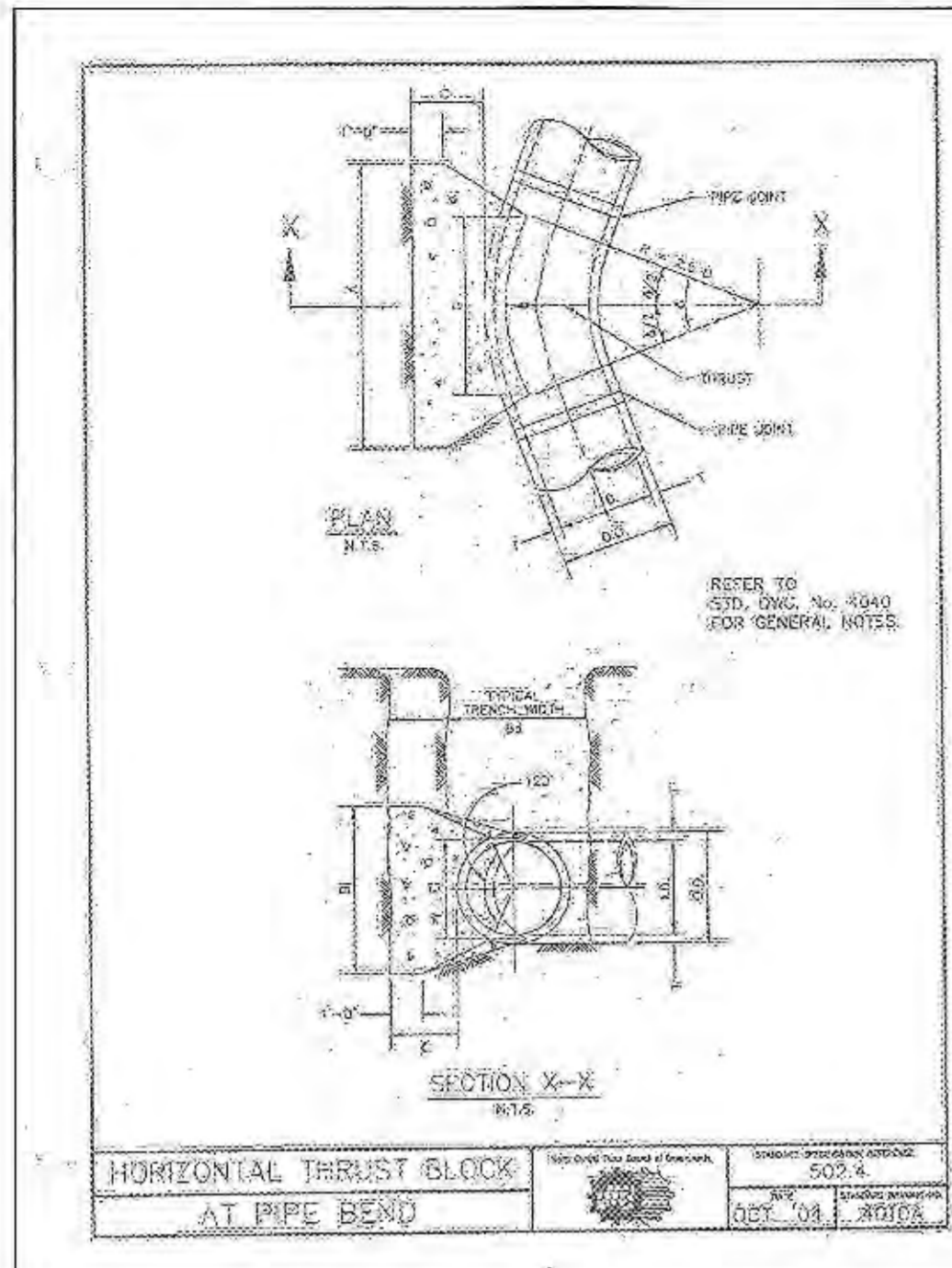
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Todd Winters 02-03-2023
TODD WINTERS DATE

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TABLES OF DIMENSIONS AND QUANTITIES

HORIZONTAL THRUST BLOCK AT PIPE BEND

NO.	DIAMETER (IN.)	LENGTH (IN.)	WEIGHT (LBS.)	QUANTITY
1	12	12	12	1
2	14	14	14	1
3	16	16	16	1
4	18	18	18	1
5	20	20	20	1
6	22	22	22	1
7	24	24	24	1
8	26	26	26	1
9	28	28	28	1
10	30	30	30	1
11	32	32	32	1
12	34	34	34	1
13	36	36	36	1
14	38	38	38	1
15	40	40	40	1
16	42	42	42	1
17	44	44	44	1
18	46	46	46	1
19	48	48	48	1
20	50	50	50	1
21	52	52	52	1
22	54	54	54	1
23	56	56	56	1
24	58	58	58	1
25	60	60	60	1
26	62	62	62	1
27	64	64	64	1
28	66	66	66	1
29	68	68	68	1
30	70	70	70	1
31	72	72	72	1
32	74	74	74	1
33	76	76	76	1
34	78	78	78	1
35	80	80	80	1
36	82	82	82	1
37	84	84	84	1
38	86	86	86	1
39	88	88	88	1
40	90	90	90	1
41	92	92	92	1
42	94	94	94	1
43	96	96	96	1
44	98	98	98	1
45	100	100	100	1

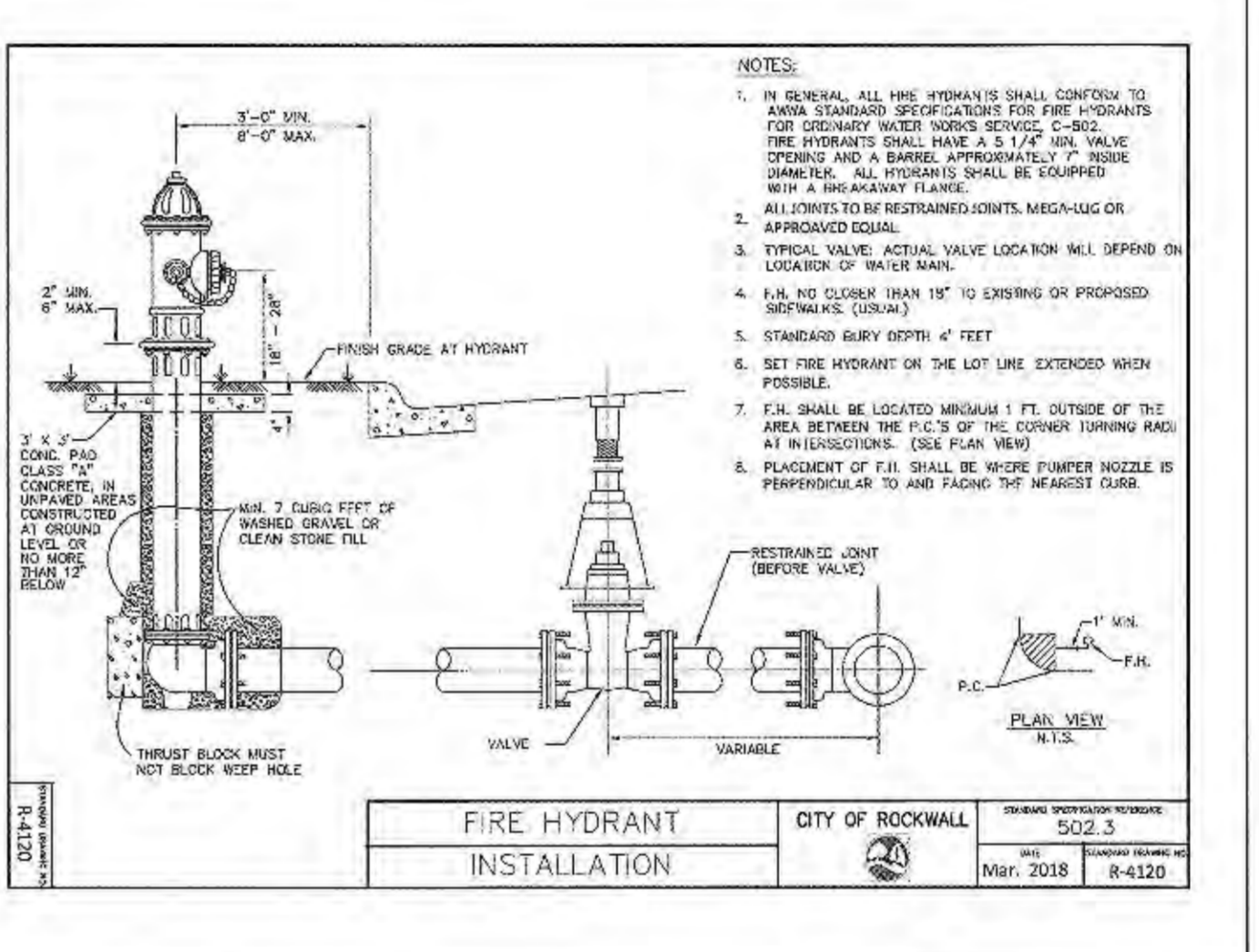
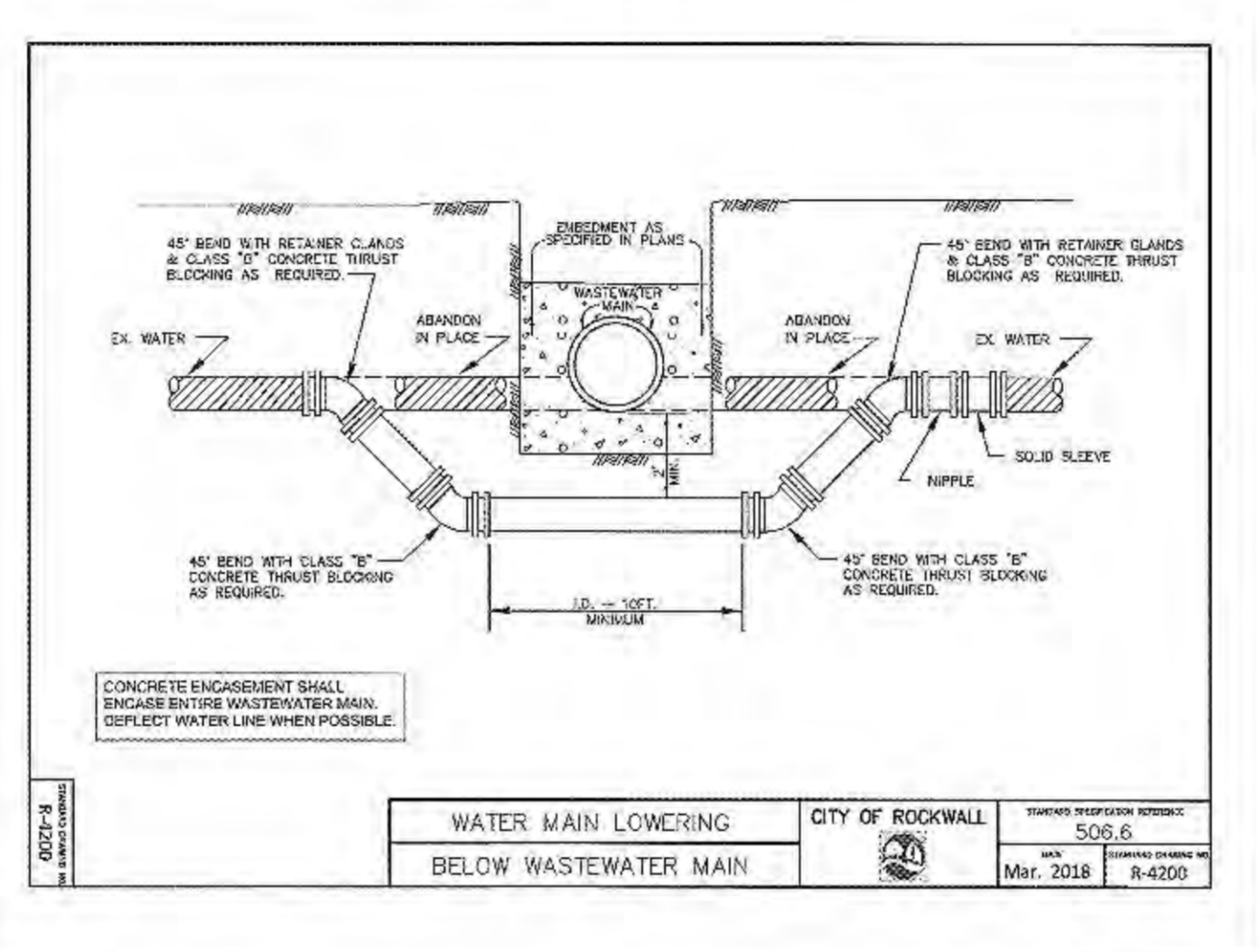
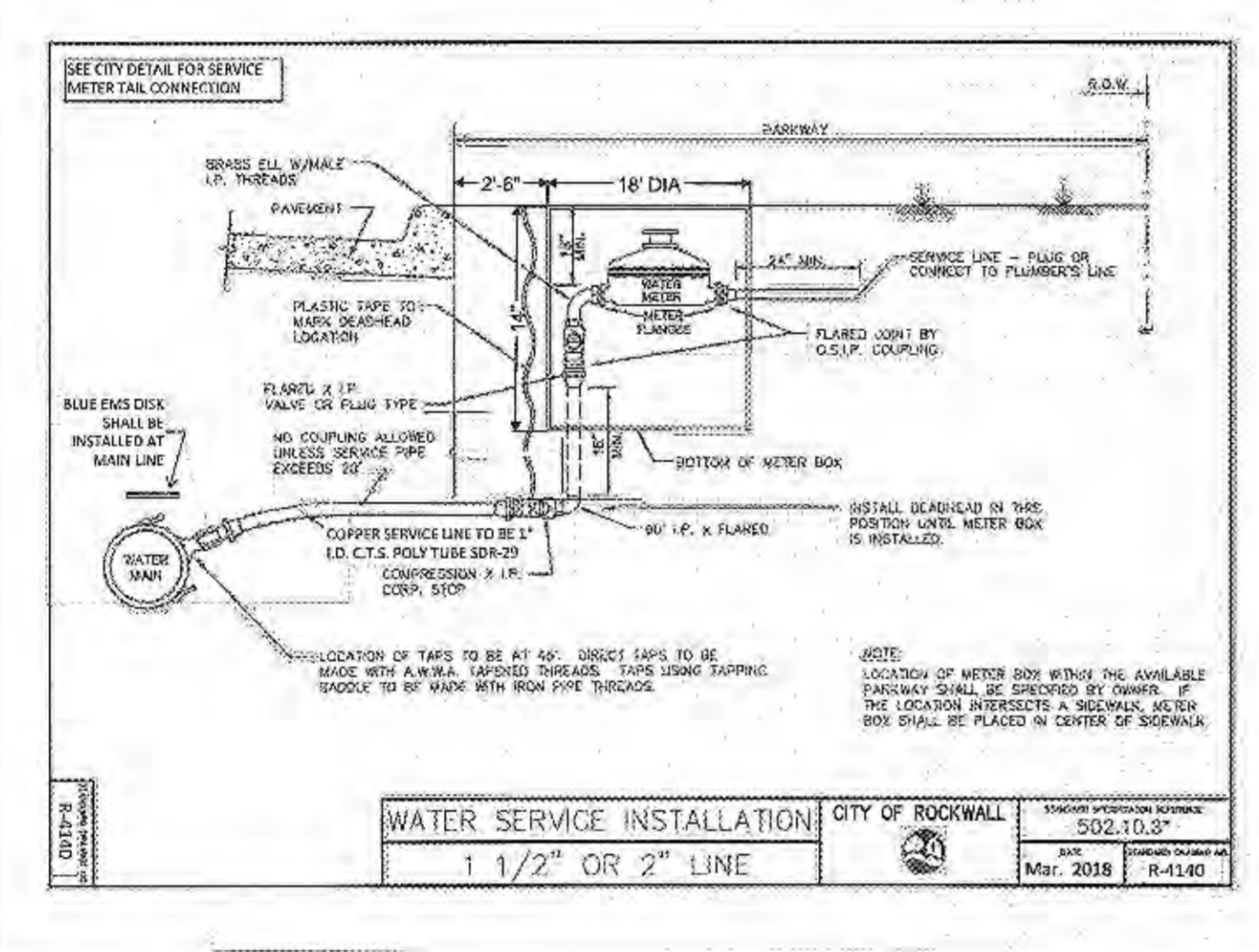
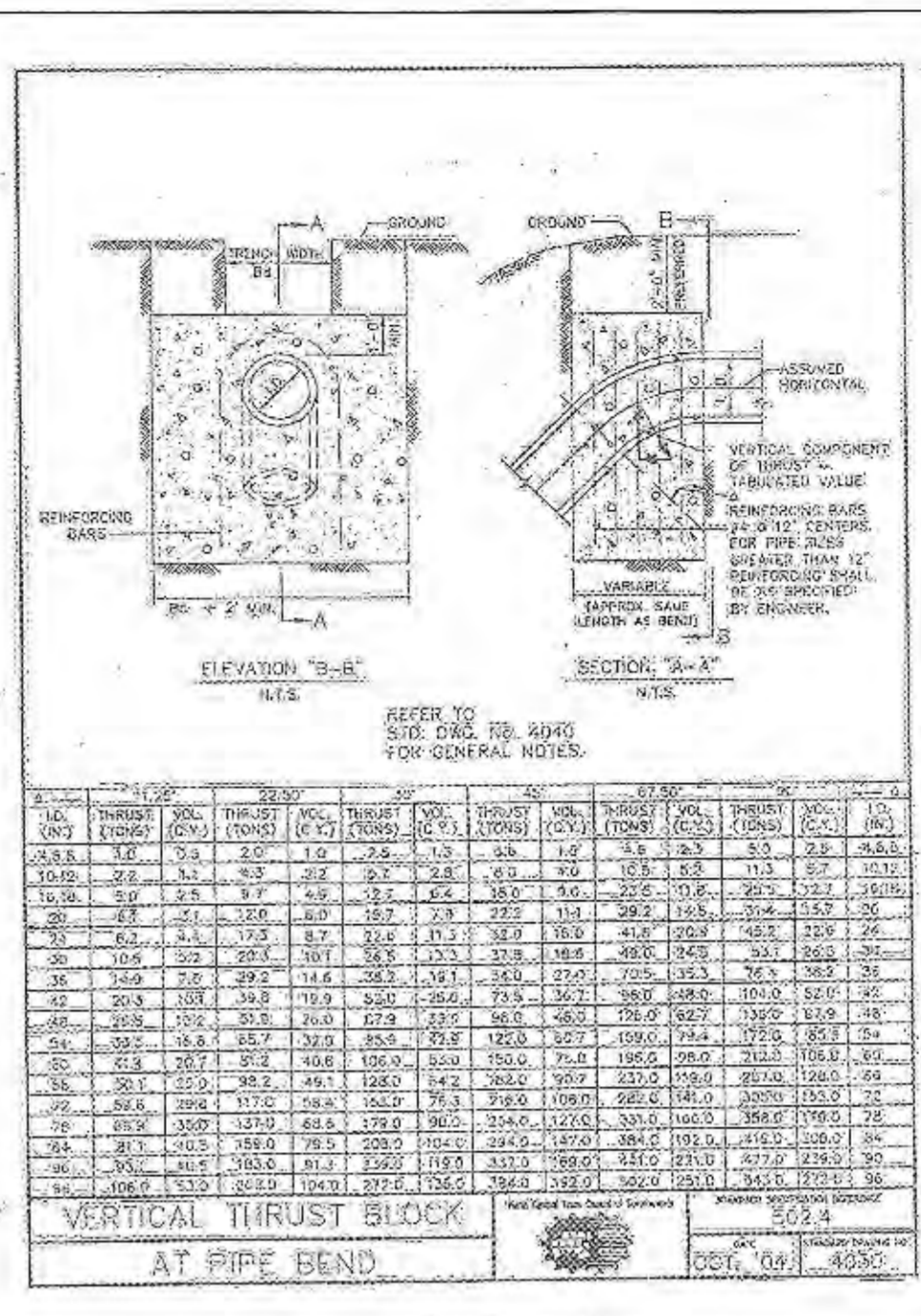
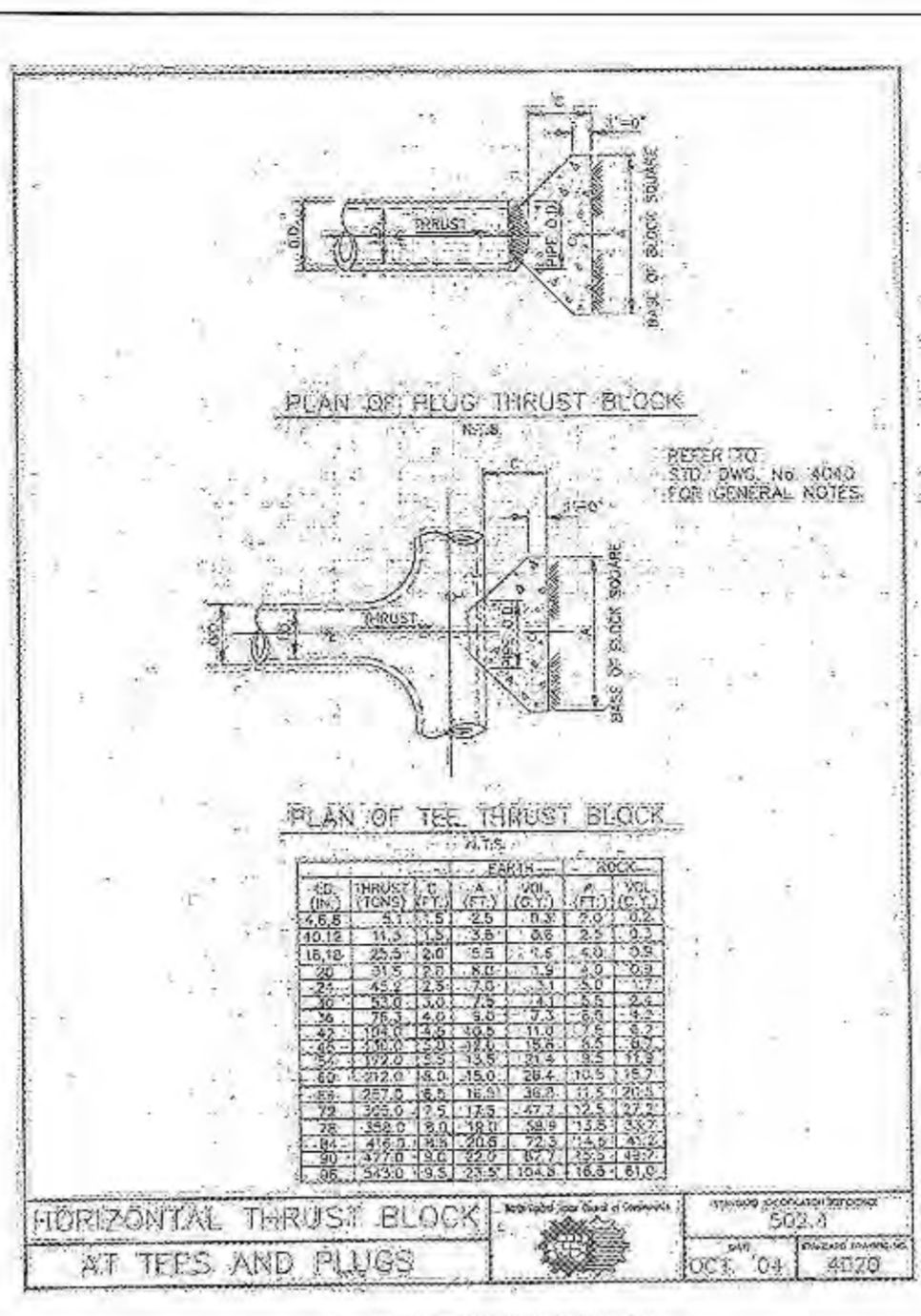
CITY OF ROCKWALL
DESIGNED BY: [Signature]
DATE: OCT. 04, 2018

TABLES OF DIMENSIONS AND QUANTITIES

HORIZONTAL THRUST BLOCK AT PIPE BEND

NO.	DIAMETER (IN.)	LENGTH (IN.)	WEIGHT (LBS.)	QUANTITY
1	12	12	12	1
2	14	14	14	1
3	16	16	16	1
4	18	18	18	1
5	20	20	20	1
6	22	22	22	1
7	24	24	24	1
8	26	26	26	1
9	28	28	28	1
10	30	30	30	1
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17	44	44	44	1
18	46	46	46	1
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22	54	54	54	1
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27	64	64	64	1
28	66	66	66	1
29	68	68	68	1
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31	72	72	72	1
32	74	74	74	1
33	76	76	76	1
34	78	78	78	1
35	80	80	80	1
36	82	82	82	1
37	84	84	84	1
38	86	86	86	1
39	88	88	88	1
40	90	90	90	1
41	92	92	92	1
42	94	94	94	1
43	96	96	96	1
44	98	98	98	1
45	100	100	100	1

CITY OF ROCKWALL
DESIGNED BY: [Signature]
DATE: OCT. 04, 2018

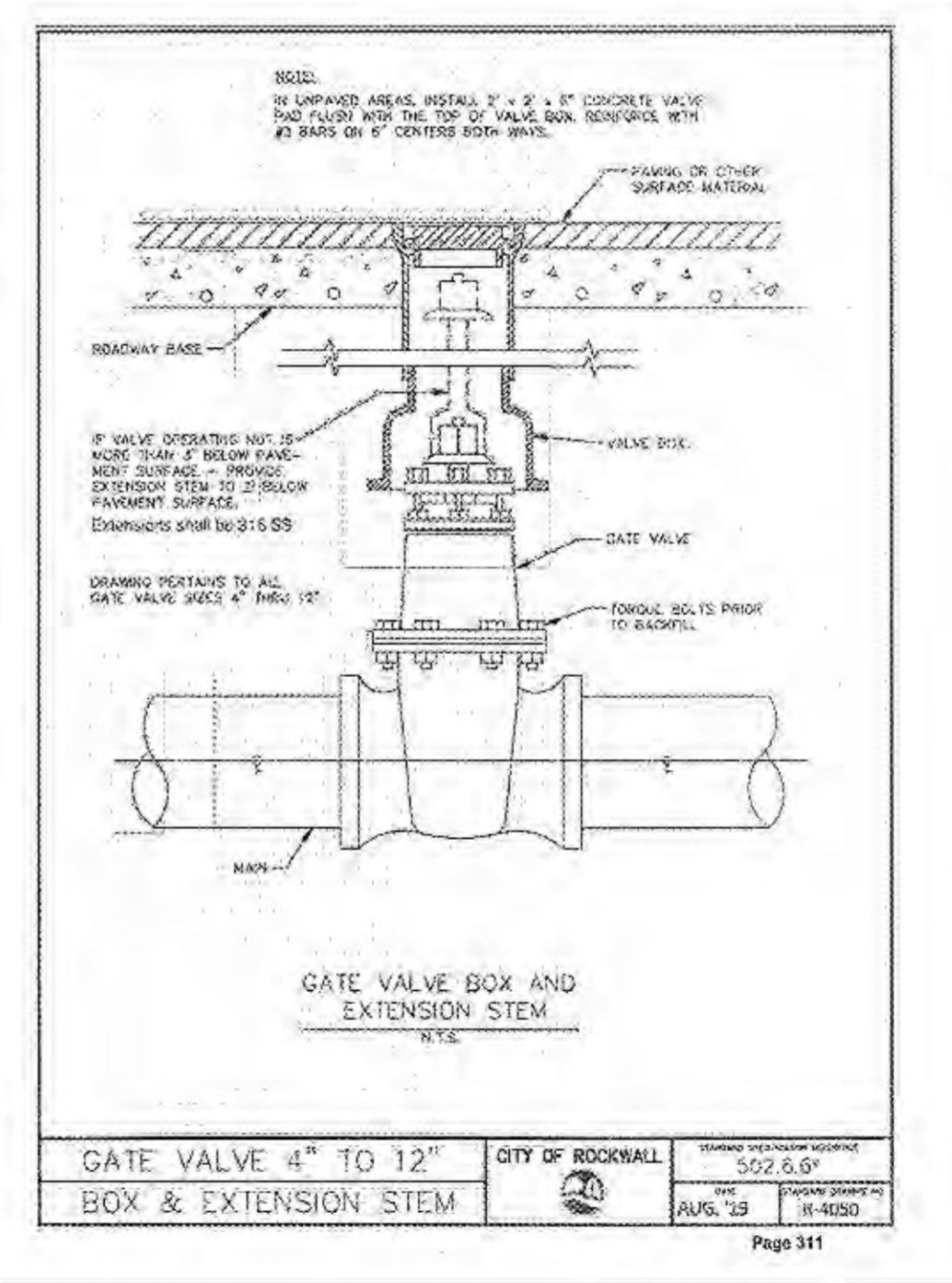
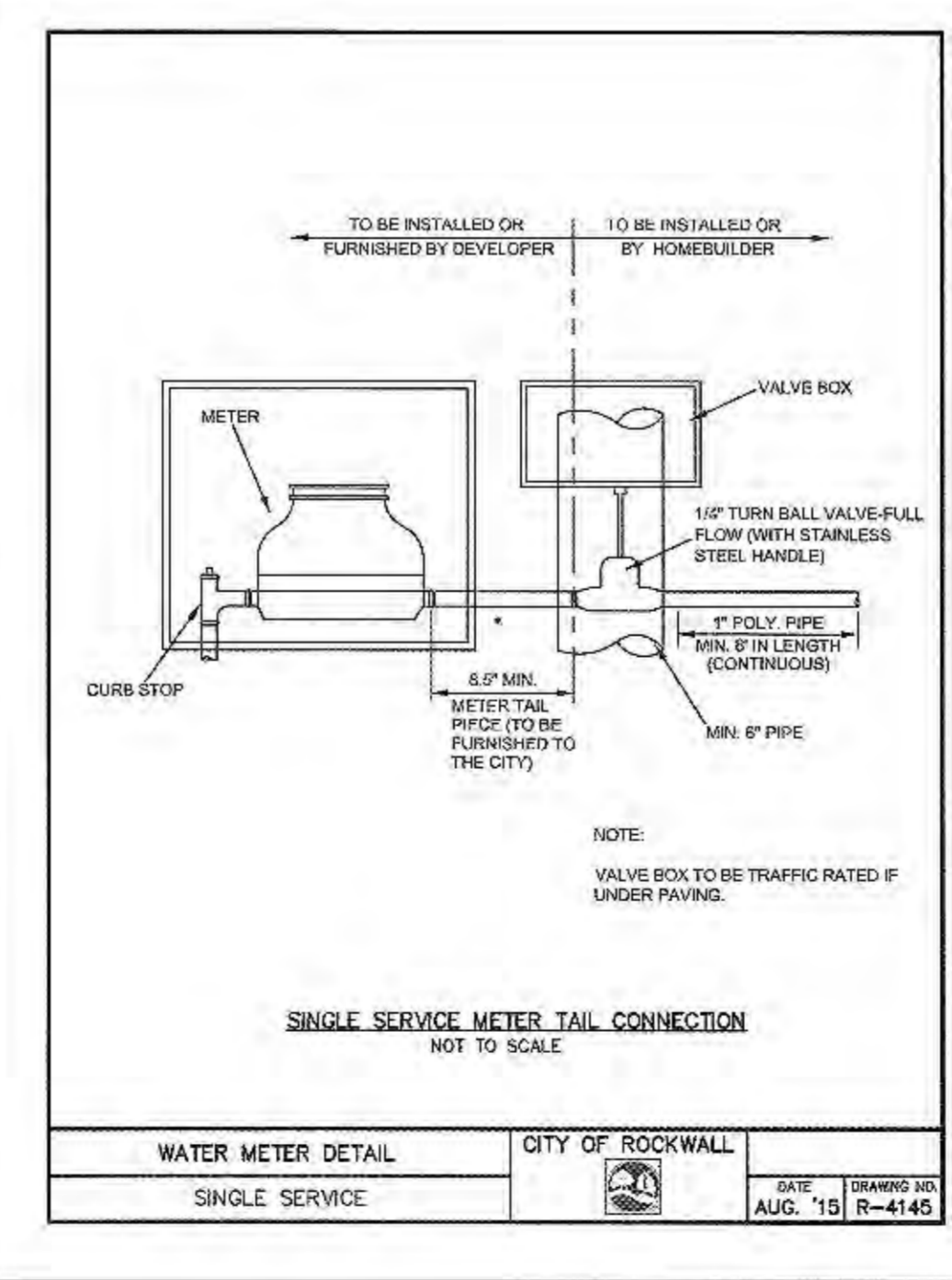


GENERAL NOTES FOR HORIZONTAL THRUST BLOCKS

- CONCRETE FOR BLOCKING SHALL BE CLASS "B".
- ALL DIMENSIONS ARE BASED ON INTERNAL PRESSURE OF 200 P.S.I. FOR DUCTILE IRON PIPE, AND 150 P.S.I. FOR CONCRETE PIPE.
- QUANTITIES OF THRUST BLOCKS ARE THE VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST OF THE METEAL BEND.
- WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
- THOSE DIMENSIONS FOR BLOCKS APPLICABLE TO THIS DRAWING.
- STRENGTHS MAY BE VARYED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
- THE SOLE BEARING PRESSURES ARE BASED ON 2000 LBS./SQ. FT. IN SOIL AND 2000 LBS./SQ. FT. IN ROCK.
- THE POINTS OF LINE 4040 OR EQUAL BETWEEN CONCRETE AND BEND, SEE OR PLACE TO PREVENT THE CONCRETE FROM STICKING TO IT.
- CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

THRUST BLOCK GENERAL NOTES

CITY OF ROCKWALL
DESIGNED BY: [Signature]
DATE: OCT. 03, 2018



RECORD DRAWINGS

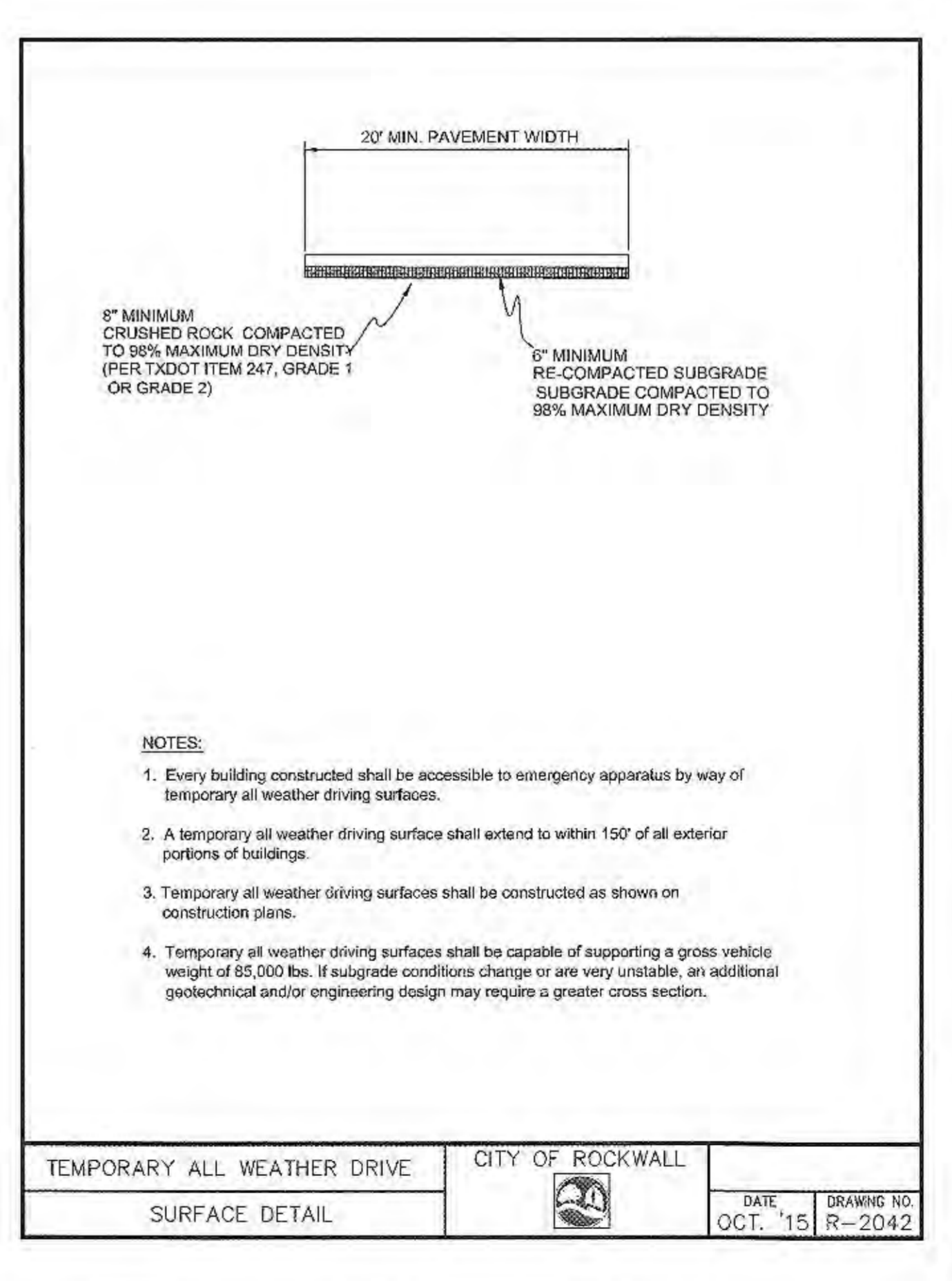
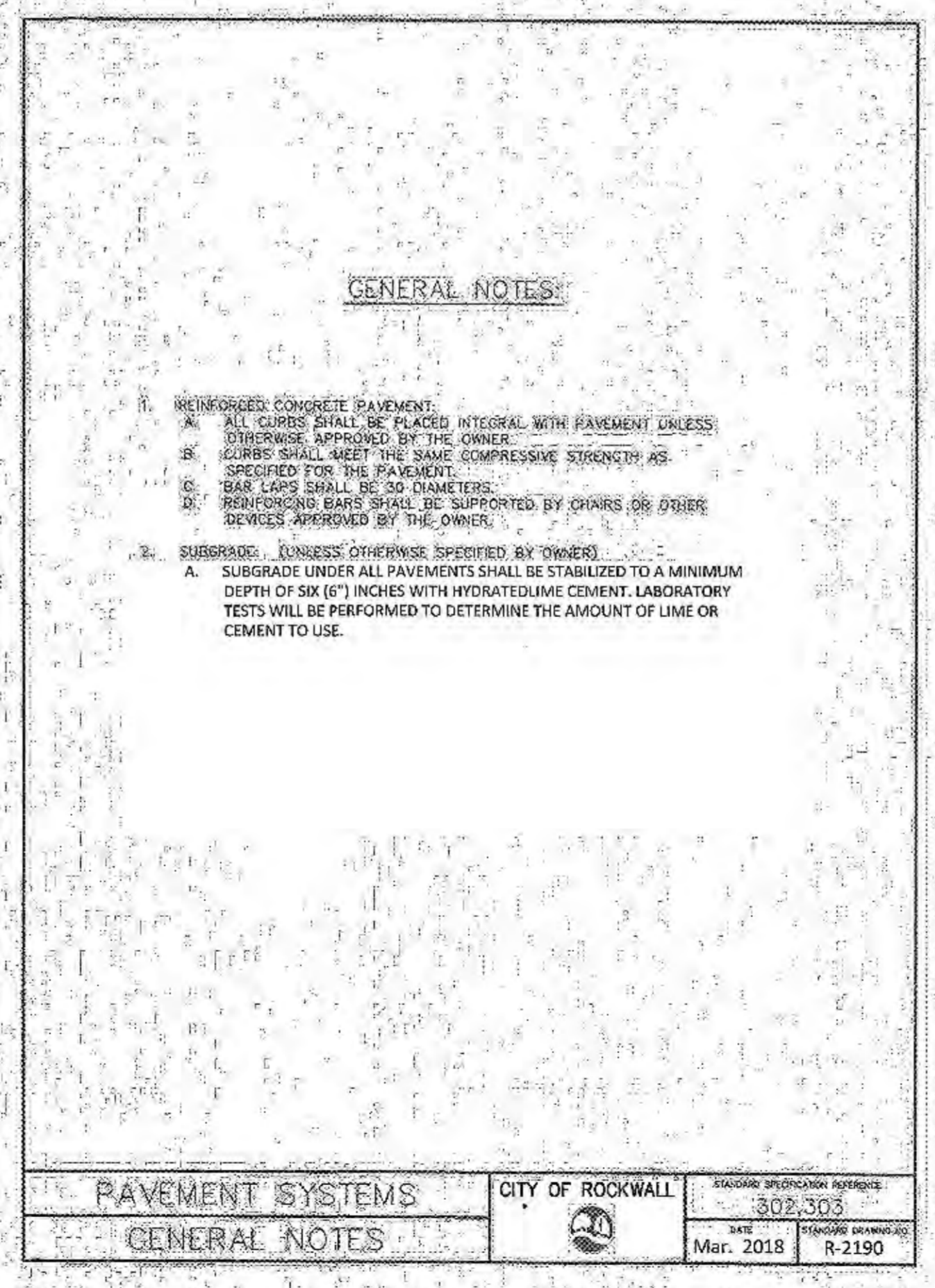
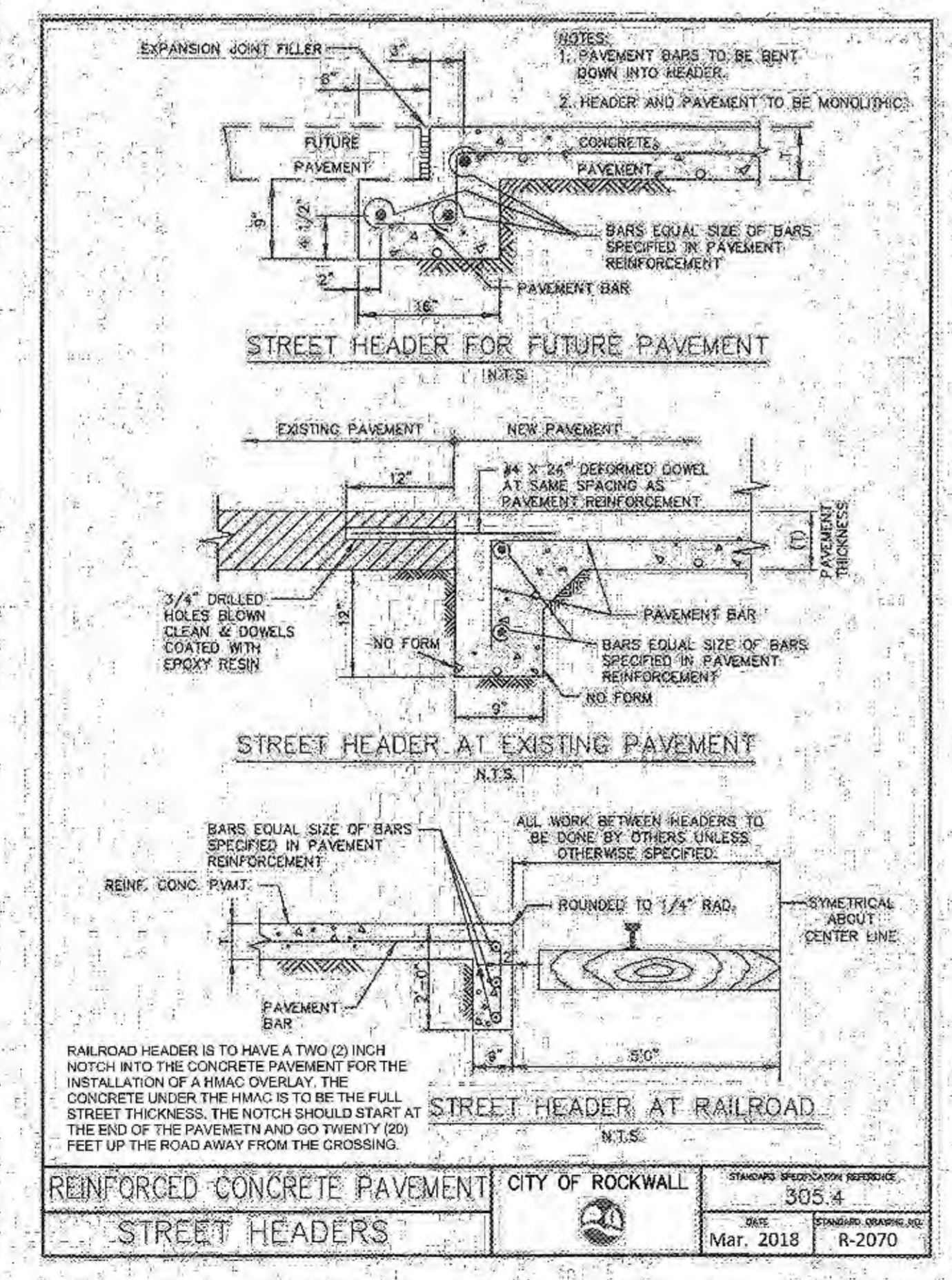
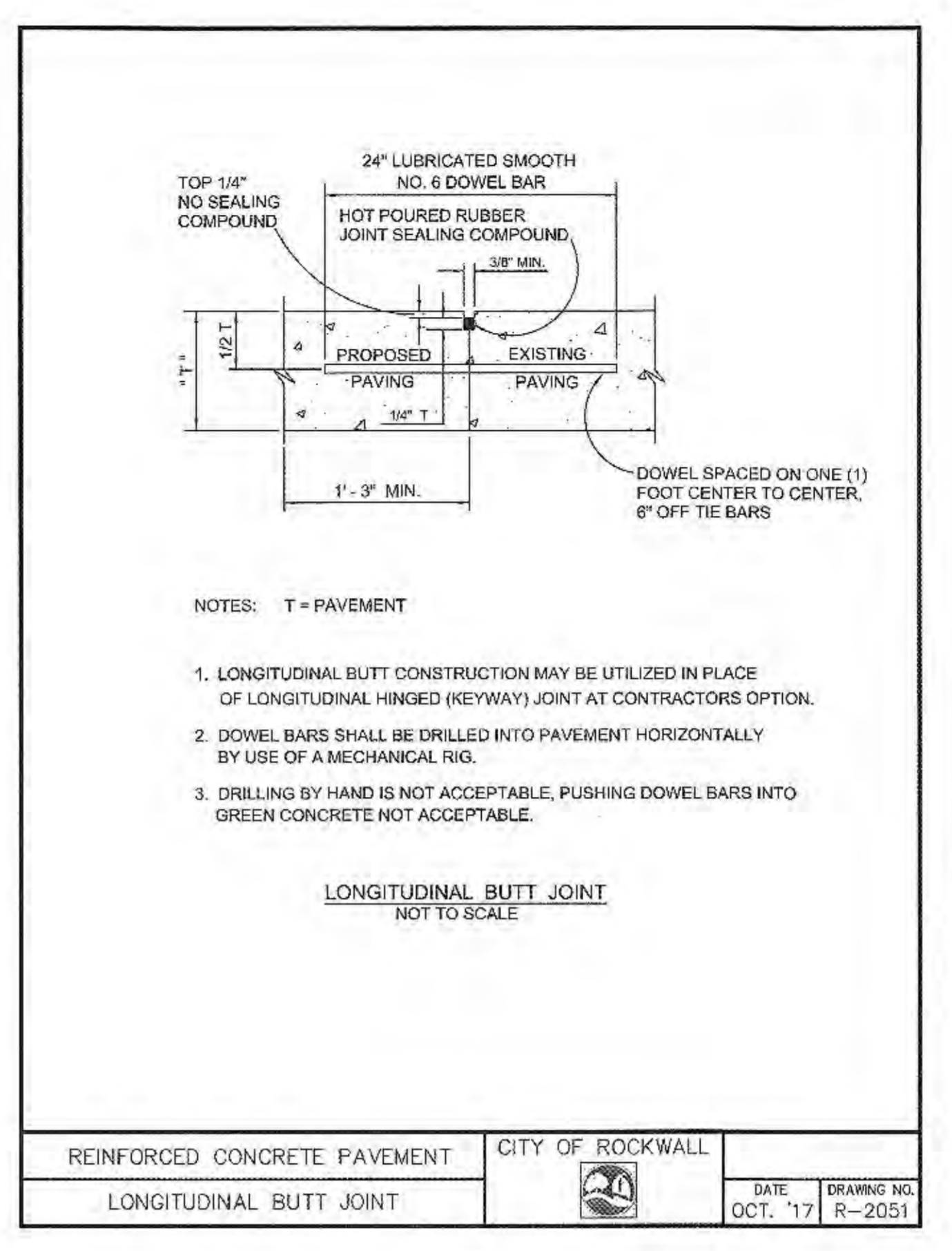
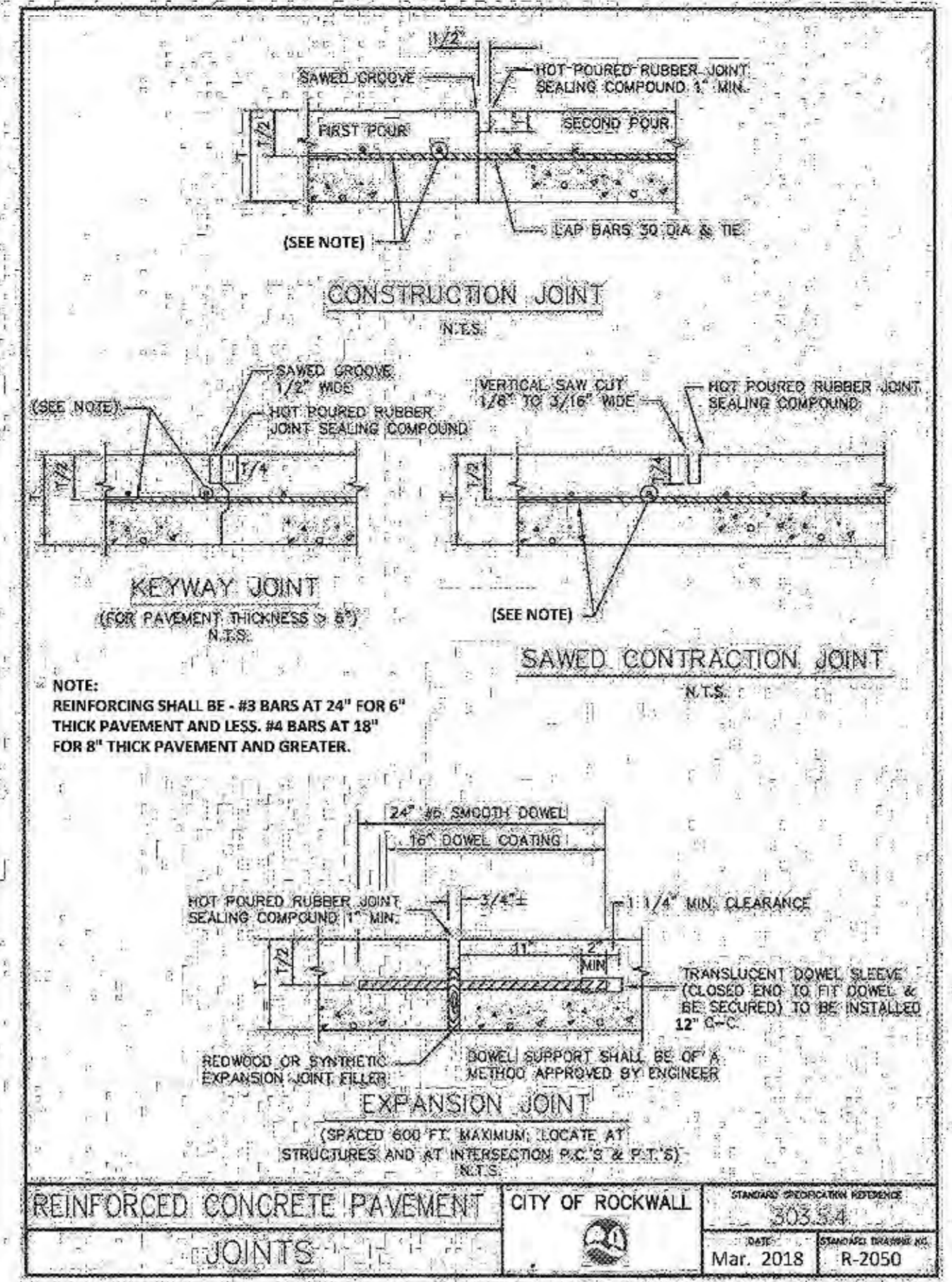
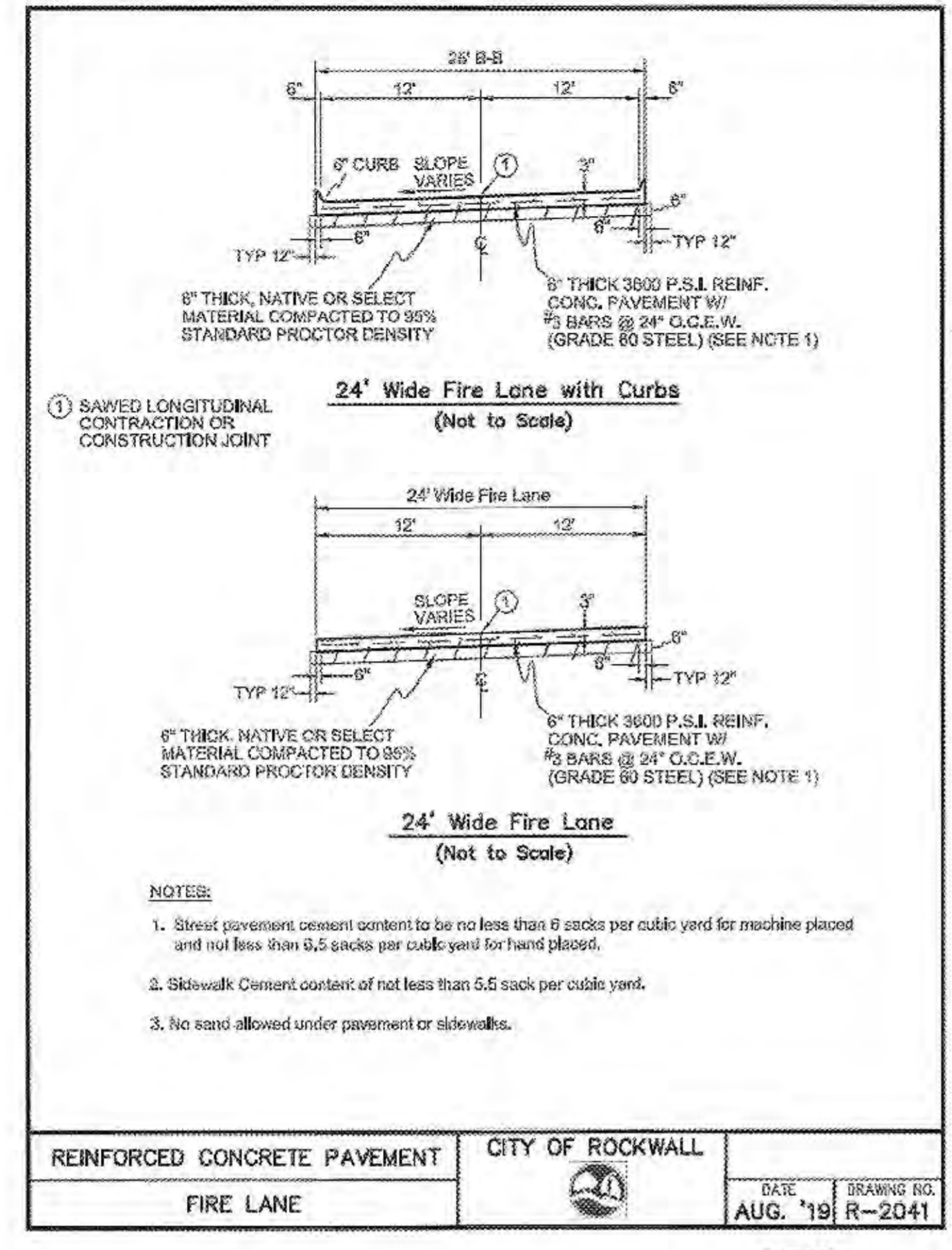
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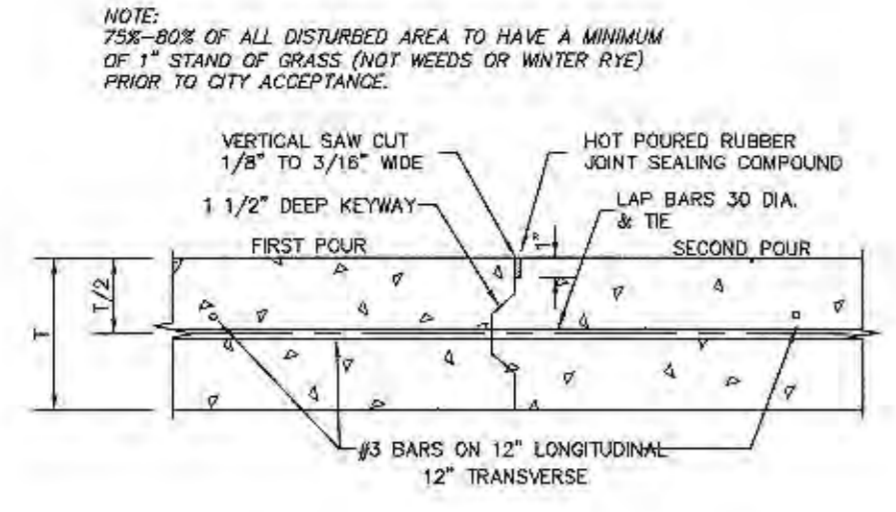
RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

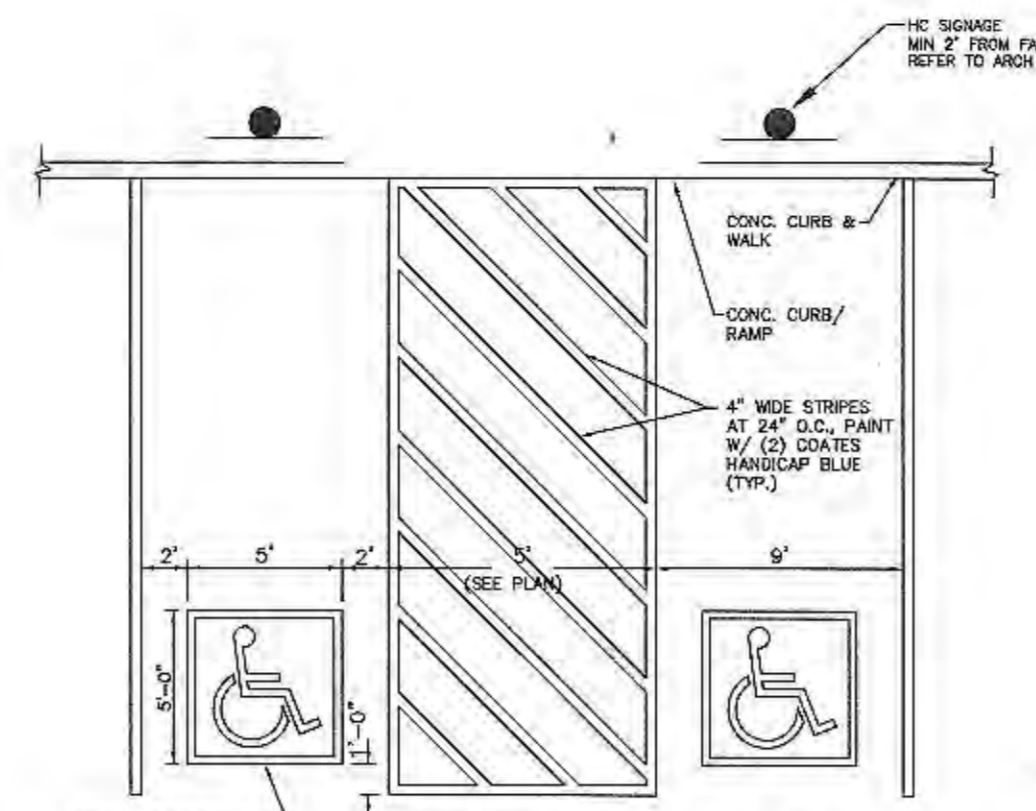
Joseph Winters 02-03-2023
TODD WINTERS DATE

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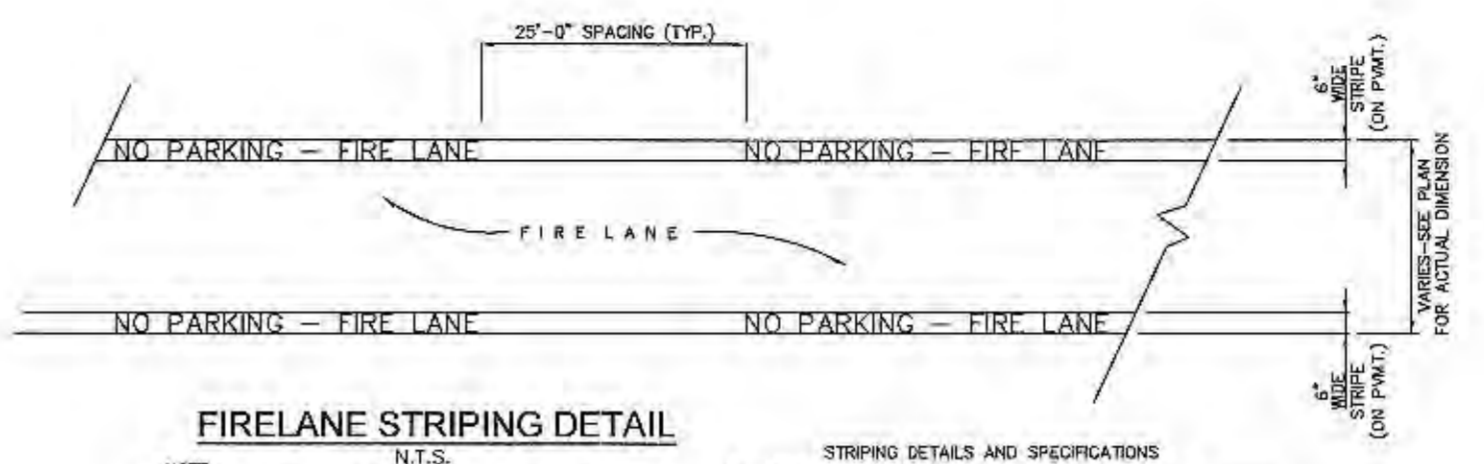
V:\PROJECTS\3775A\05 CAD Files\04 Sheets\3775A - COVER.dwg - DET Plotted Aug 23, 2021 at 2:53pm by Clayton Mulvey



CONSTRUCTION JOINT DETAIL
N.T.S.



ACCESSIBILITY PARKING
N.T.S.



FIRELANE STRIPING DETAIL
N.T.S.

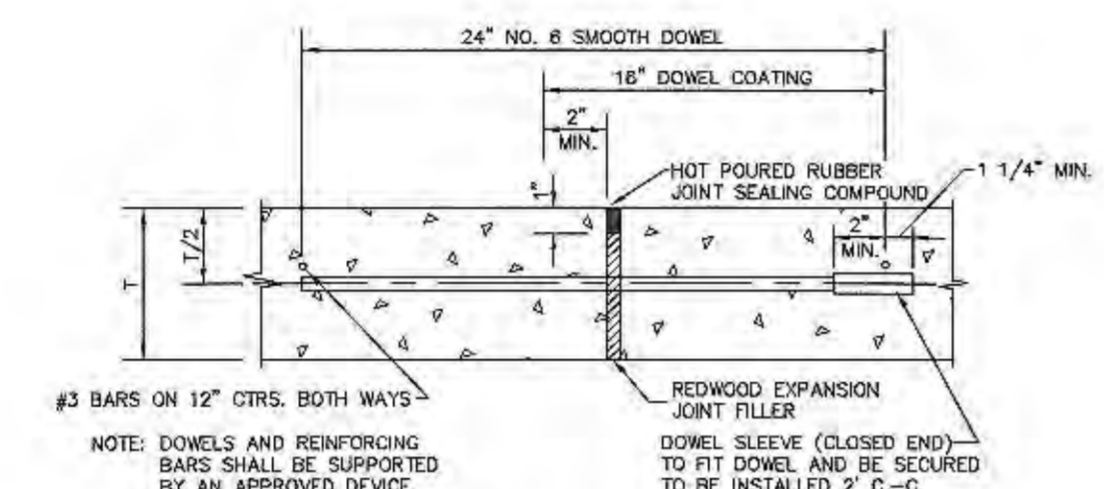
STRIPING DETAILS AND SPECIFICATIONS

A. Paint:

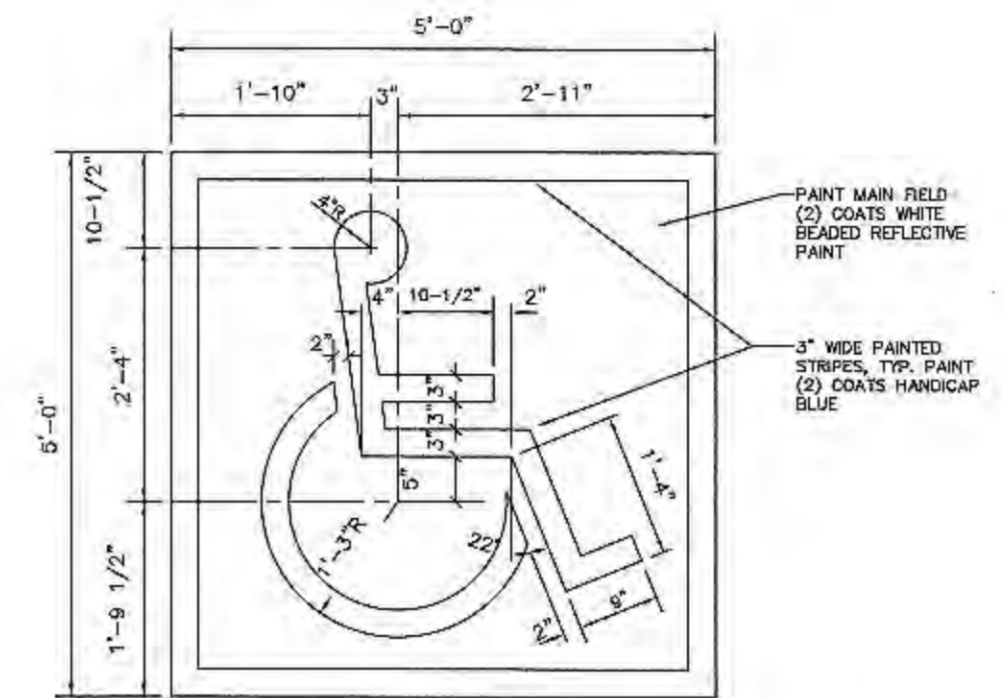
- Stripes shall be six (6) inches wide when on pavement and from the top of the seam of the curb to a point even with the driving surface when on curb, painted with an exterior acrylic latex paint.
 - Color shall be "Traffic Red" (Gidson No. 6325) or equal.
 - Letters shall be four (4) inches high painted with an exterior acrylic latex paint.
 - Color shall be "Traffic White" (Gidson No. 58245) or equal.

B. Application:

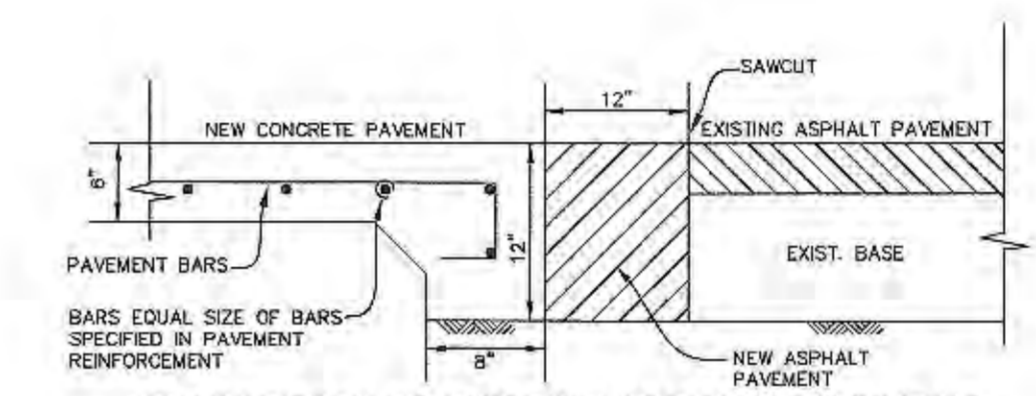
- Stripes may be brushed or sprayed, one coat to finish.
- Letters shall be stencil formed, brush applied and spaced as detailed on this sheet.



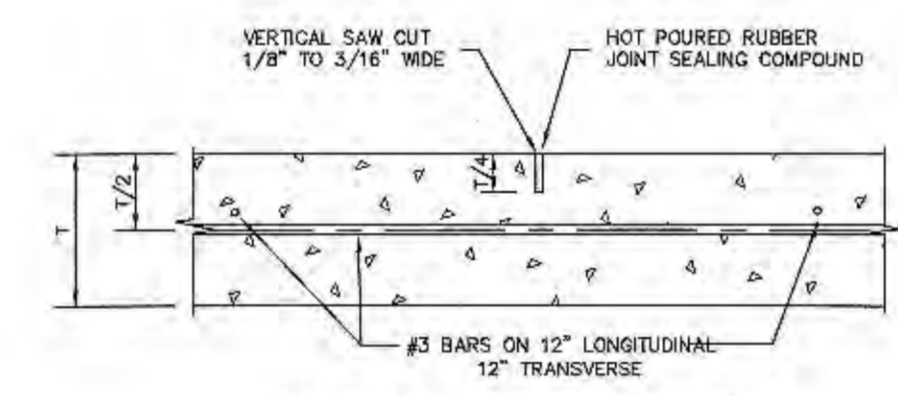
TRANSVERSE EXPANSION JOINT DETAIL
NOTE: SPACE 600' O.C., LOCATE AT INTERSECTIONS



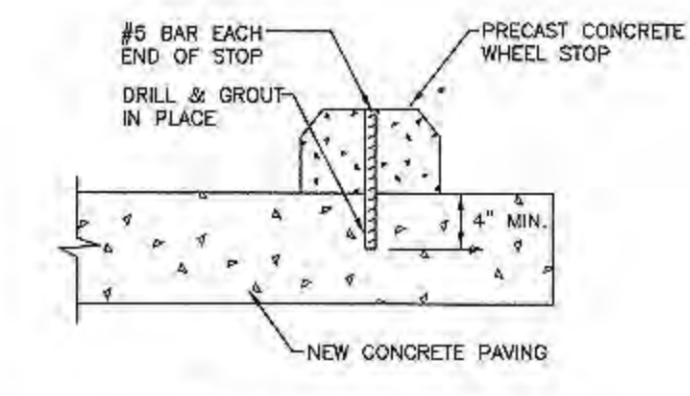
PAINTED ACCESSIBILITY SYMBOL
N.T.S.



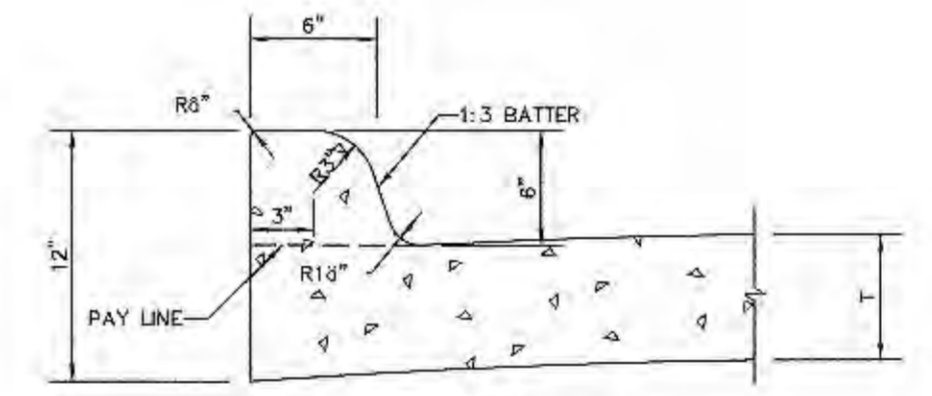
CONNECTION TO EXISTING ASPHALT PAVEMENT
N.T.S.



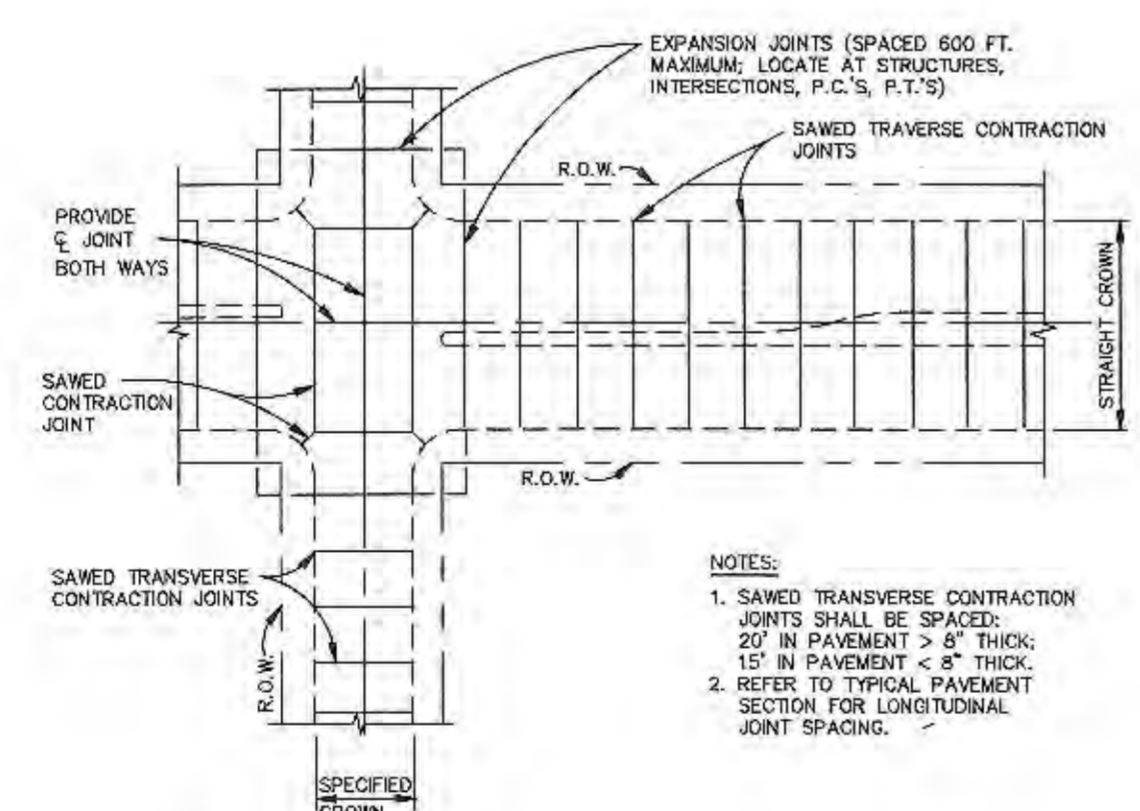
SAWED DUMMY JOINT DETAIL
N.T.S.



WHEEL STOP DETAIL
N.T.S.

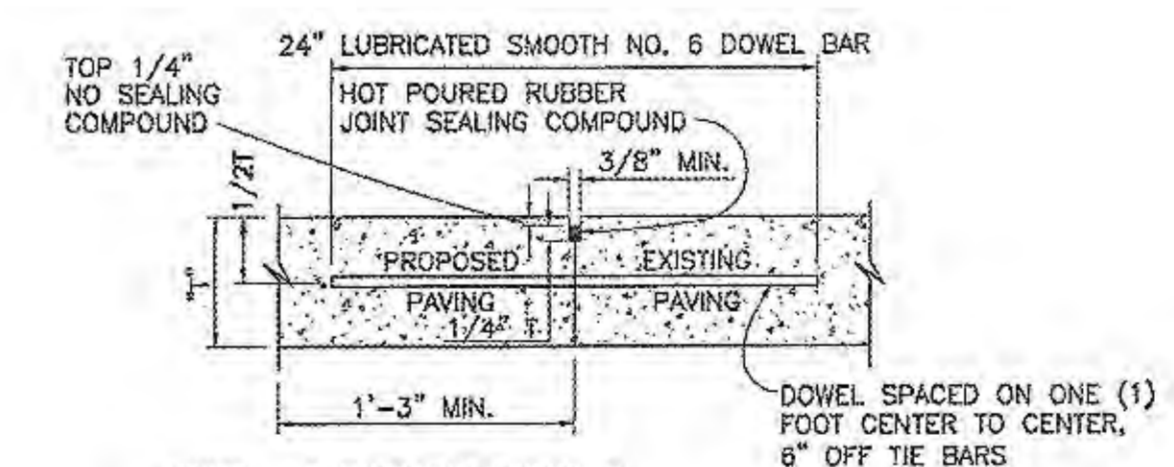


INTEGRAL CURB DETAIL
N.T.S.



SPACING DIAGRAM FOR TRANSVERSE JOINTS
N.T.S.

NOTE:
-ALL ROW(S) TO BE SODDED PRIOR TO CITY ACCEPTANCE AND CO/TCO.



NOTES: T=PAVEMENT THICKNESS

- LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
- DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.

DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.

LONGITUDINAL BUTT JOINT
N.T.S.

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Todd Winters 02-03-2023
TODD WINTERS DATE

MON. RO05-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIUM OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO. 740.

MON. RO07 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!

THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.

ENGINEERINGCONCEPTS & DESIGN, L.P.

ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: ECDLP	DATE: August 23, 2021
CHECKED: TW	DATE: August 23, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 3775A - COVER.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.

Todd Winters 07/19/21



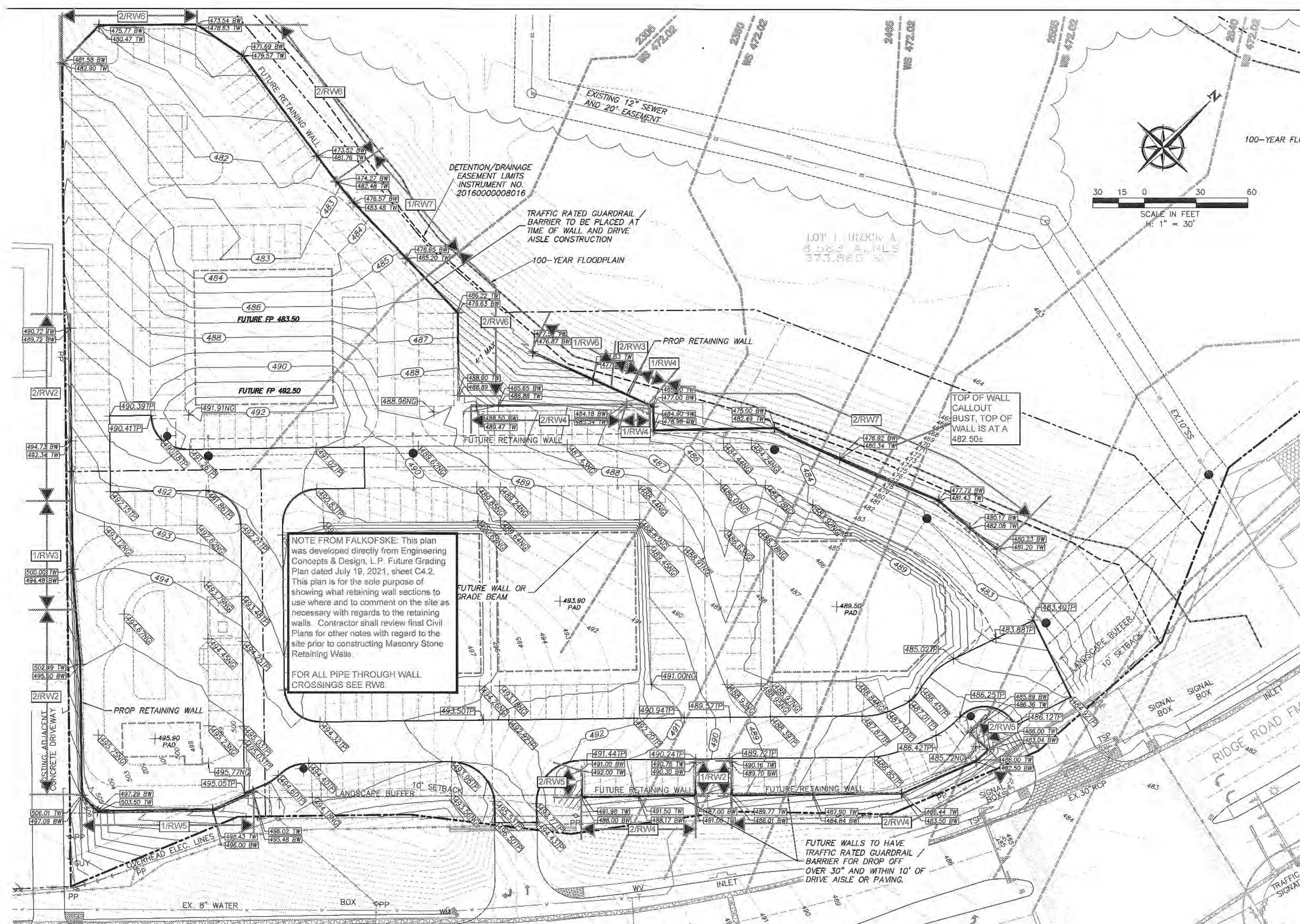
SITE DETAILS

SKY-RIDGE ADDITION
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

DATE: **C16**

SHEET

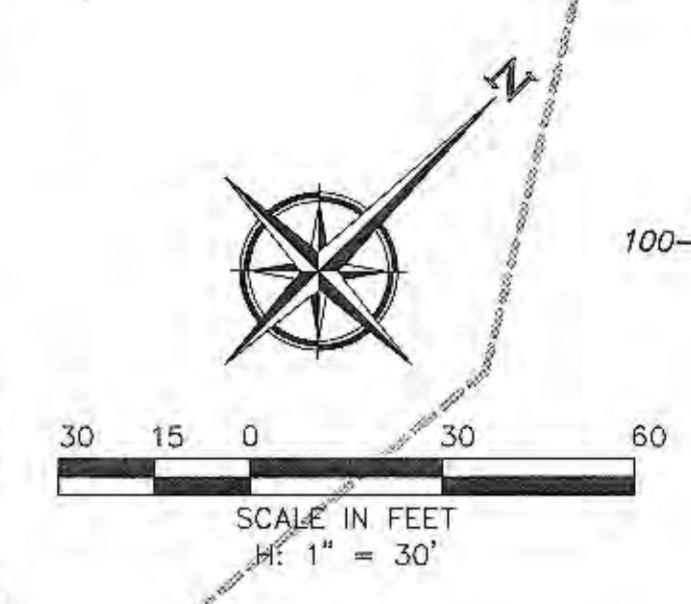
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NOTE FROM FALKOFSKE: This plan was developed directly from Engineering Concepts & Design, L.P. Future Grading Plan dated July 19, 2021, sheet C4.2. This plan is for the sole purpose of showing what retaining wall sections to use where and to comment on the site as necessary with regards to the retaining walls. Contractor shall review final Civil Plans for other notes with regard to the site prior to constructing Masonry Stone Retaining Walls.

FOR ALL PIPE THROUGH WALL CROSSINGS SEE RW8.

FUTURE WALLS TO HAVE TRAFFIC RATED GUARDRAIL BARRIER FOR DROP OFF OVER 30" AND WITHIN 10' OF DRIVE AISLE OR PAVING.



DATE	BY	NO.	DATE	BY
04-19-22	MMR			
04-19-22	EG			
04-19-22	MMR			

Falkofske Engineering, Inc.
Structural Engineering Consultants
TX Reg. Engineering Firm F-4038
722 North Fielder Road
Arlington, Texas 76012
(817) 261-8300



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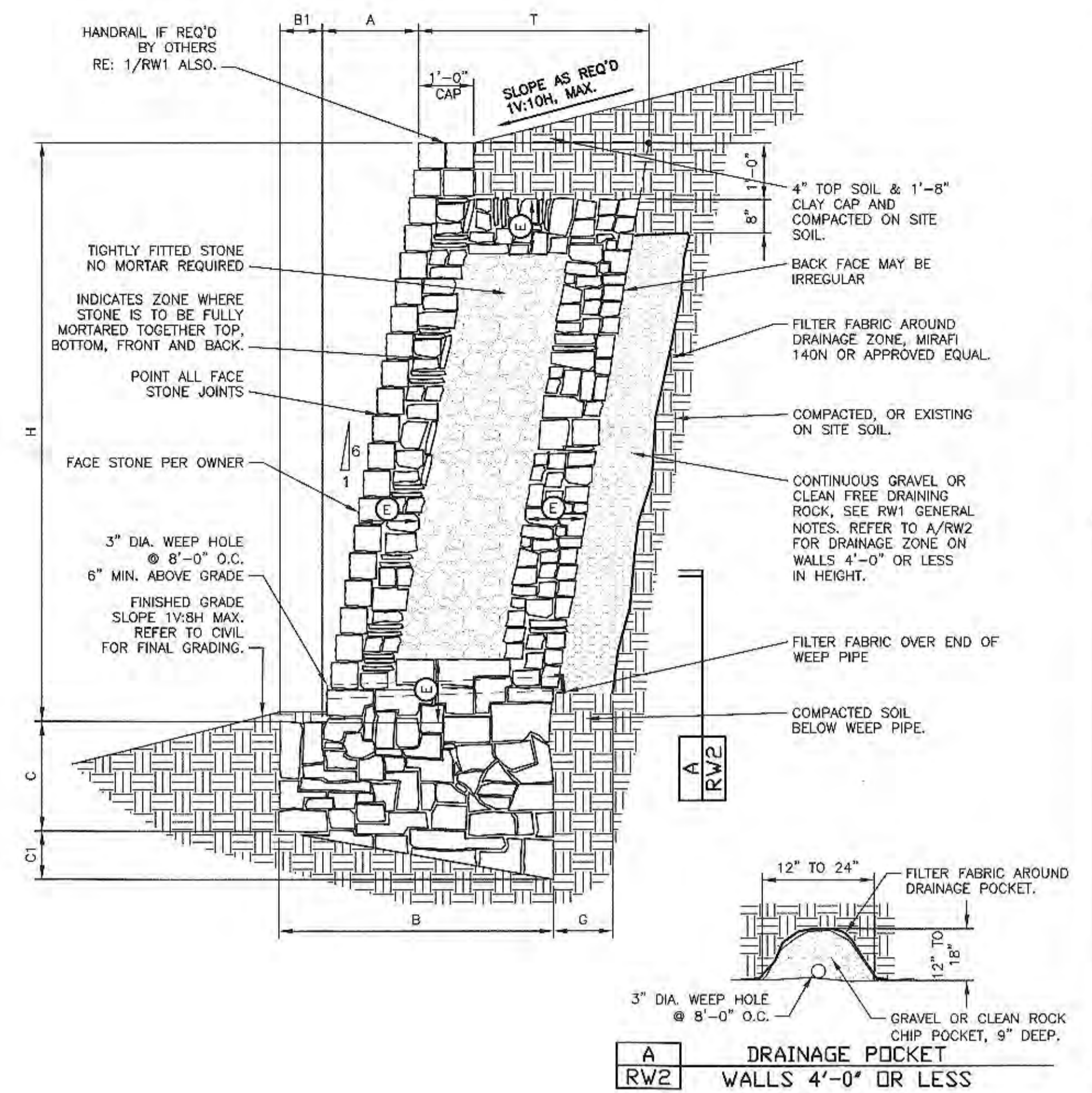
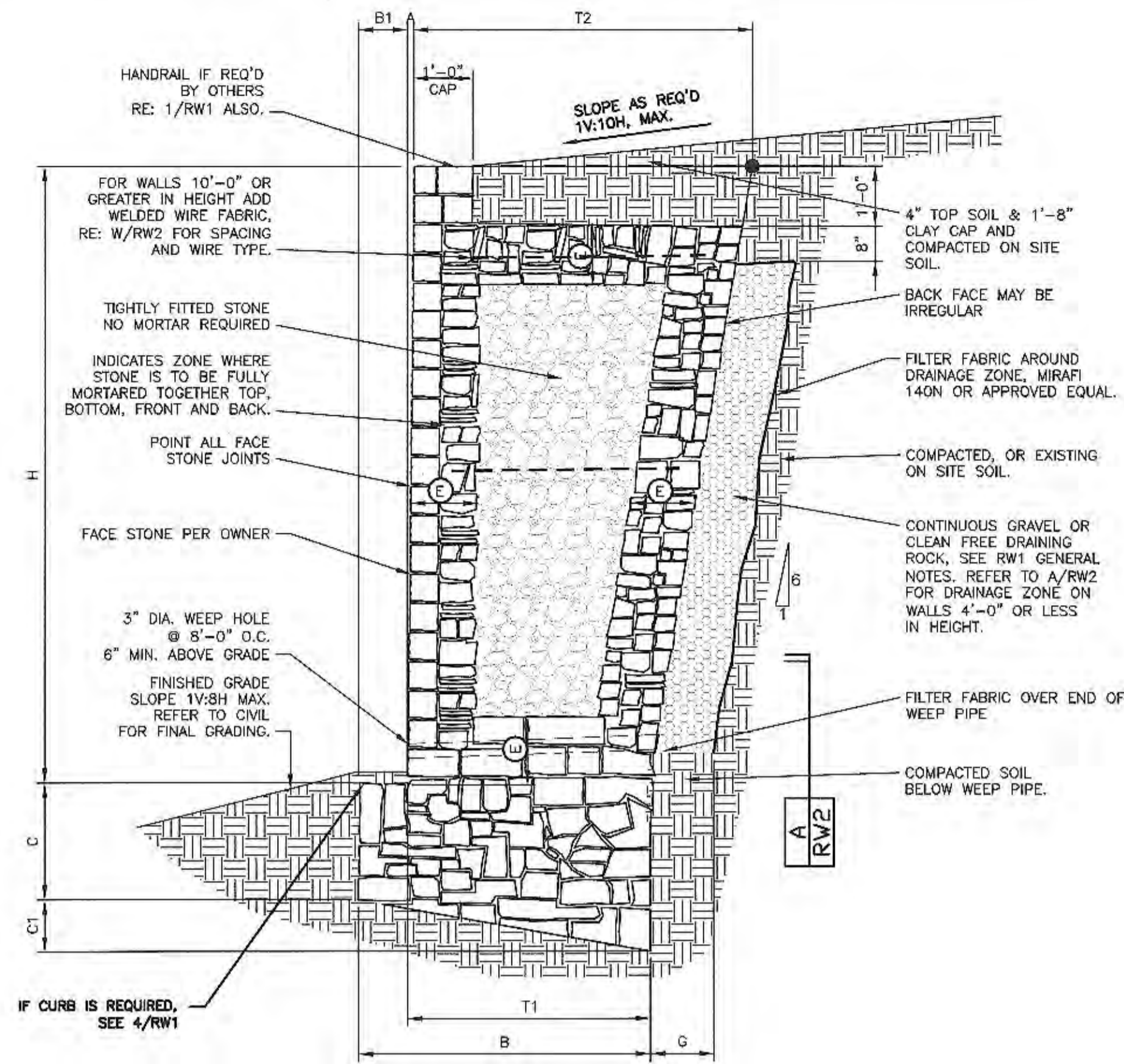
MASONRY RETAINING WALLS - SITE PLAN
SKY-RIDGE ADDITION
RIDGE ROAD & YELLOW JACKET LANE
ROCKWALL, TEXAS

RPM xCONSTRUCTION, LLC
PLANO, TEXAS

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DESIGN.

CITY _____ DATE 04-19-22

JOB NO. 261.22
SP1



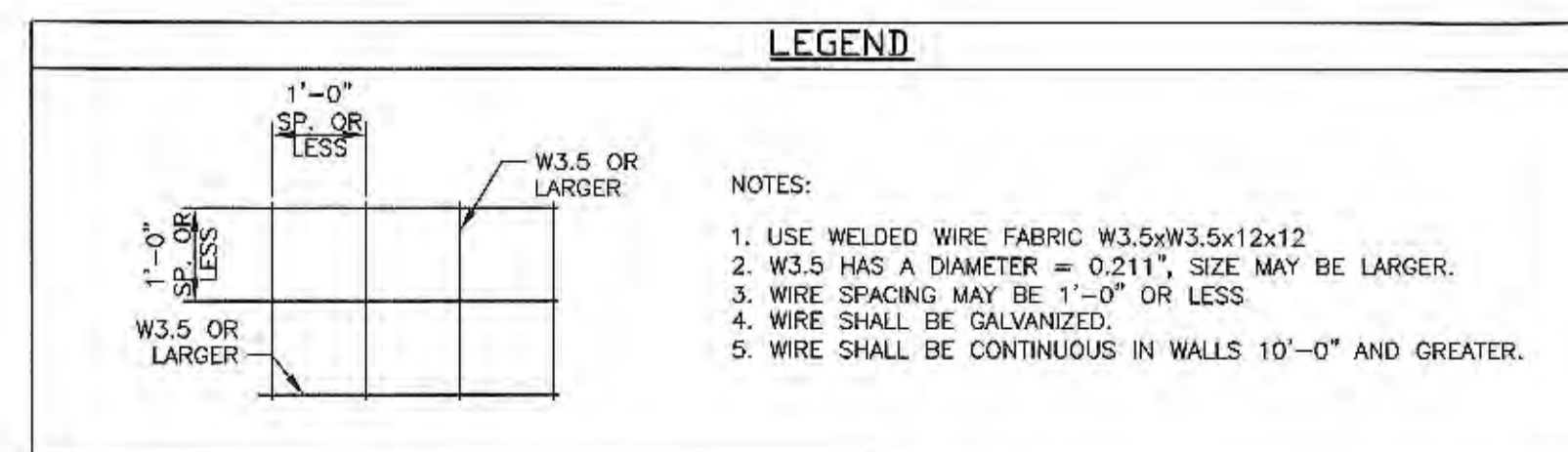
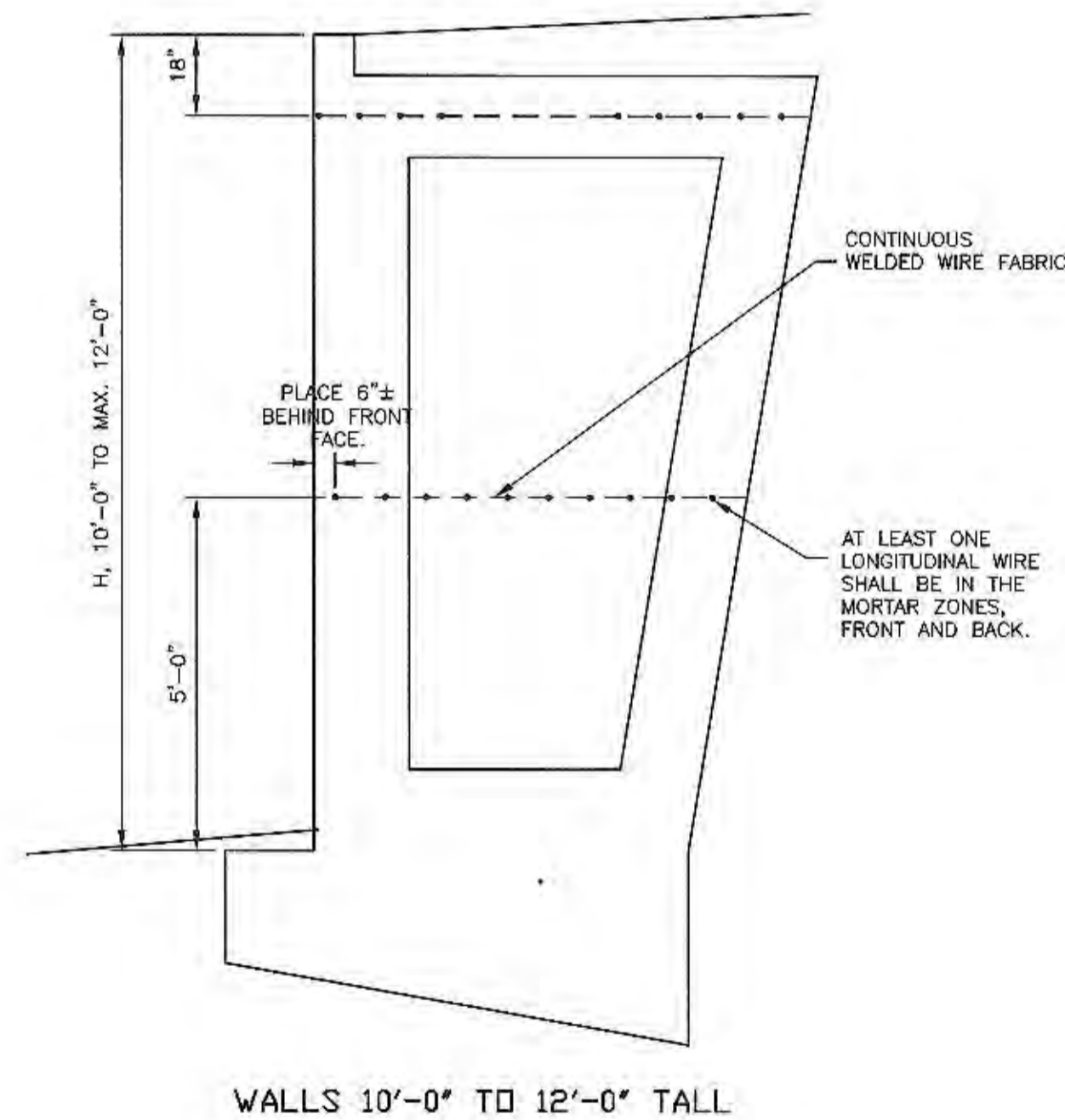
MASONRY WALL SCHEDULE
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS OR COMPACTED AND TESTED SOILS SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (FOOT) C	BASE DEPTH (FEET) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T1	THICKNESS OF WALL T2	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY	
1'-0"	1'-2"	0'-2"	0'-6"	0'-3"	1/4"	DAILY MORTARED	1'-0"	1'-2"	SEE A/RW2	1500 psf	
2'-0"	1'-2"	0'-2"	0'-9"	0'-3"	1/2"	DAILY MORTARED	1'-0"	1'-4"	SEE A/RW2		
3'-0"	1'-5"	0'-3"	0'-9"	0'-3"	3/4"	DAILY MORTARED	1'-2"	1'-8"	SEE A/RW2		
4'-0"	1'-9"	0'-4"	1'-0"	0'-4"	0'-1 1/4"	DAILY MORTARED	1'-6"	2'-1"	SEE A/RW2		
5'-0"	2'-6"	0'-6"	1'-3"	0'-6"	0'-1 1/4"	DAILY MORTARED	2'-0"	2'-10"	1'-0"		
6'-0"	3'-0"	0'-8"	1'-6"	0'-7"	0'-1 1/2"	DAILY MORTARED	1'-0"	2'-4"	3'-4"		1'-0"
7'-0"	3'-8"	0'-11"	1'-6"	0'-8"	0'-1 3/4"	DAILY MORTARED	1'-0"	2'-9"	3'-11"		1'-0"
8'-0"	4'-4"	1'-2"	1'-9"	0'-10"	0'-2"	DAILY MORTARED	1'-3"	3'-2"	4'-6"		1'-0"
9'-0"	4'-11"	1'-4"	1'-9"	0'-11"	0'-2 1/4"	DAILY MORTARED	1'-3"	3'-7"	5'-1"		1'-0"
10'-0"	5'-6"	1'-7"	2'-0"	1'-0"	0'-2 1/2"	DAILY MORTARED	1'-6"	3'-11"	5'-7"		1'-0"
11'-0"	6'-2"	1'-10"	2'-6"	1'-2"	0'-2 3/4"	DAILY MORTARED	1'-6"	4'-4"	6'-2"		1'-0"
12'-0"	6'-9"	2'-1"	3'-0"	1'-3"	0'-3"	DAILY MORTARED	1'-9"	4'-8"	6'-8"		1'-0"

WALL DESIGN CRITERIA

BEARING CAPACITY	SLOPE TOP	SLOPE BOT	ACTION PRESSURE	PASSIVE PRESSURE	FRICITION ANGLE BASE	SLOPE OF BACK OF WALL	BURCHARGE
1500 PSF	5.71 deg	7.13 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 2/RW2



MASONRY WALL SCHEDULE
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS - SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (FOOT) C	BASE DEPTH (FEET) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-0"	0'-0"	0'-6"	0'-3"	0'-2"	DAILY MORTARED	1'-0"	SEE A/RW2	1500 psf
2'-0"	1'-2"	0'-2"	0'-9"	0'-3"	0'-4"	DAILY MORTARED	1'-0"	SEE A/RW2	
3'-0"	1'-5"	0'-3"	0'-9"	0'-3"	0'-6"	DAILY MORTARED	1'-2"	SEE A/RW2	
4'-0"	2'-0"	0'-4"	1'-0"	0'-5"	0'-8"	DAILY MORTARED	1'-8"	SEE A/RW2	
5'-0"	2'-6"	0'-6"	1'-3"	0'-6"	0'-10"	DAILY MORTARED	2'-0"	1'-0"	
6'-0"	3'-0"	0'-8"	1'-6"	0'-7"	1'-0"	DAILY MORTARED	2'-4"	1'-0"	

WALL DESIGN CRITERIA

BEARING CAP	SLOPE TOP	SLOPE BOT	ACTION PRESSURE	PASSIVE PRESSURE	FRICITION ANGLE BASE	SLOPE OF BACK OF WALL	BURCHARGE
1500PSF	5.71 deg	7.13 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 1/RW2

2 RW2 TYPICAL VERTICAL WALL SECTION - 1V:10H MAX SLOPE ABOVE WALL BEARING IN CLAYEY OR SANDY SOILS 1/2" - 1'-0"

W RW2 WIRE SPACING FOR WALLS - VERTICAL FACE WALLS 10'-0" AND GREATER

1 RW2 TYPICAL WALL SECTION BEARING IN CLAYEY OR SANDY SOILS MAX SLOPE ABOVE WALL 1V:10H MAX SLOPE BELOW WALL 1V:8H

DATE	DES.	DRN.	CHK.	NO.	DATE	REVISION	BY
04-19-22	MMR	EC	MMR				

Falkofske Engineering, Inc.
Structural Engineering Consultants
TX Reg. Engineering Firm F-4038
722 North Fielder Road
Arlington, Texas 76012
(817) 261-8300

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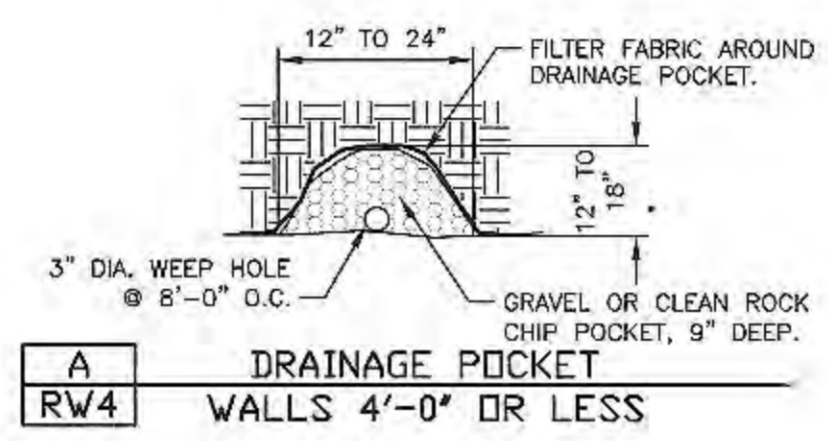
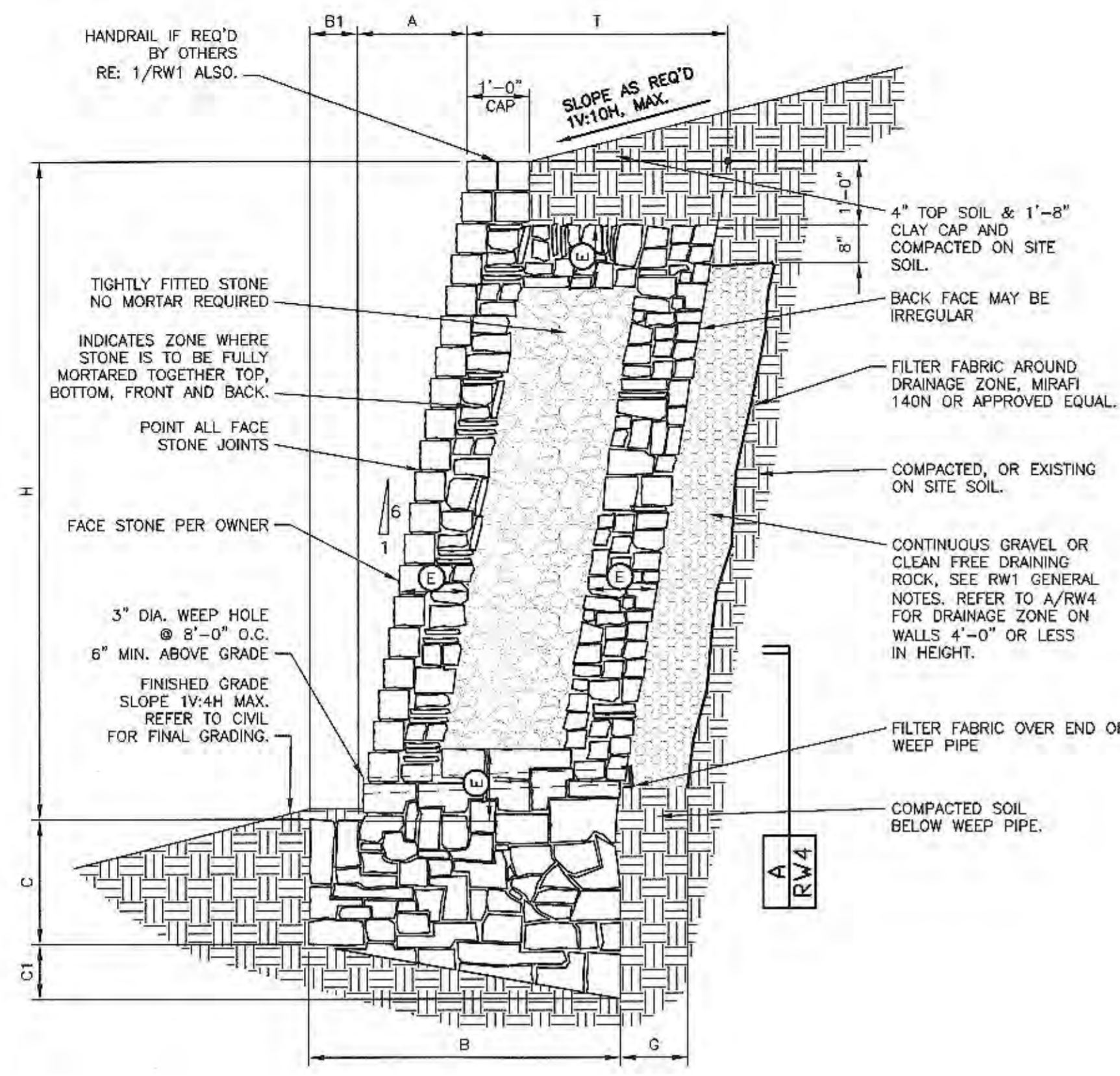
MASONRY RETAINING WALLS
SKY-RIDGE ADDITION
RIDGE ROAD & YELLOW JACKET LANE
ROCKWALL, TEXAS

RPM xCONSTRUCTION, LLC
PLANO, TEXAS

STATE OF TEXAS
MANAF REFAI
132947
04-19-22

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JOB NO. 261.22
RW2



MASONRY WALL SCHEDULE
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS - SEE GENERAL NOTES SHEET RW1)

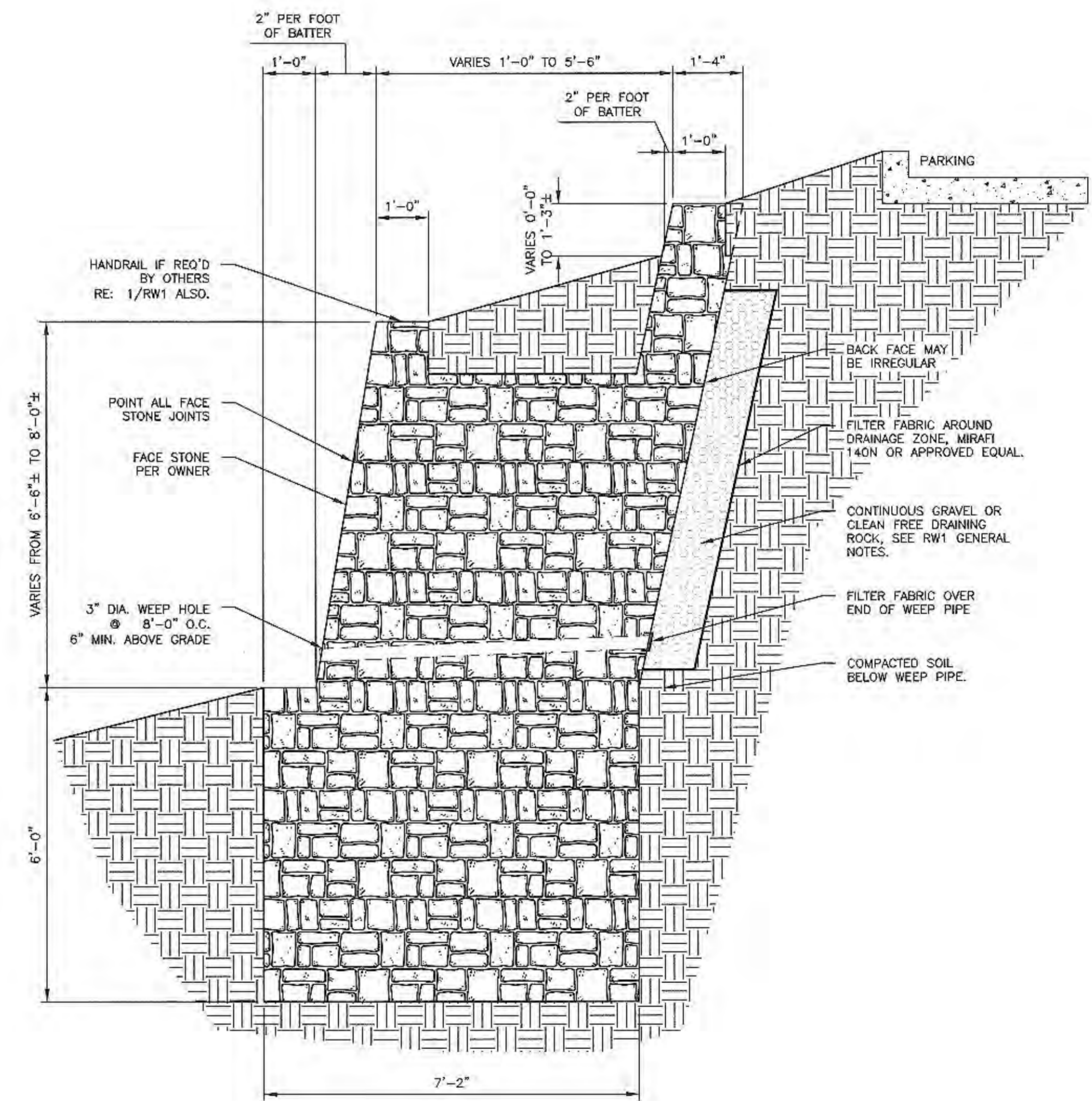
WALL HEIGHT H	BASE WIDTH B	TOE DEPTH B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-2"	1'-0"	SEE A/RW4	1500 psf
2'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-4"	1'-0"	SEE A/RW4	
3'-0"	1'-6"	0'-3"	1'-0"	0'-4"	0'-6"	1'-3"	SEE A/RW4	
4'-0"	2'-1"	0'-4"	1'-0"	0'-5"	0'-8"	1'-9"	SEE A/RW4	
5'-0"	2'-8"	0'-6"	1'-3"	0'-6"	0'-10"	2'-2"	1'-0"	

WALL DESIGN CRITERIA

BEARING CAPACITY	SLOPE TOP β_1	SLOPE BOT β_2	ACTIVE PRESSURE P_a	PASSIVE PRESSURE P_p	FRICITION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE q
1500PSF	5.71 deg	14 deg	28 deg	28 deg	17 deg	90.46 deg	0 psf

USE THIS SCHEDULE FOR 2/RW4

2
RW4
TYPICAL WALL SECTION
BEARING IN CLAYEY OR SANDY SOILS
MAX SLOPE ABOVE WALL 1V:10H
MAX SLOPE BELOW WALL 1V:4H
1/2" = 1'-0"



1
RW4
TERRACED WALL CROSS SECTION

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DESIGN.
CITY _____ DATE _____

DATE	BY	NO.	DATE	REVISION	BY
04-19-22	MMR				
04-19-22	EG				
04-19-22	MMR				

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TX Reg. Engineering Firm F-4038
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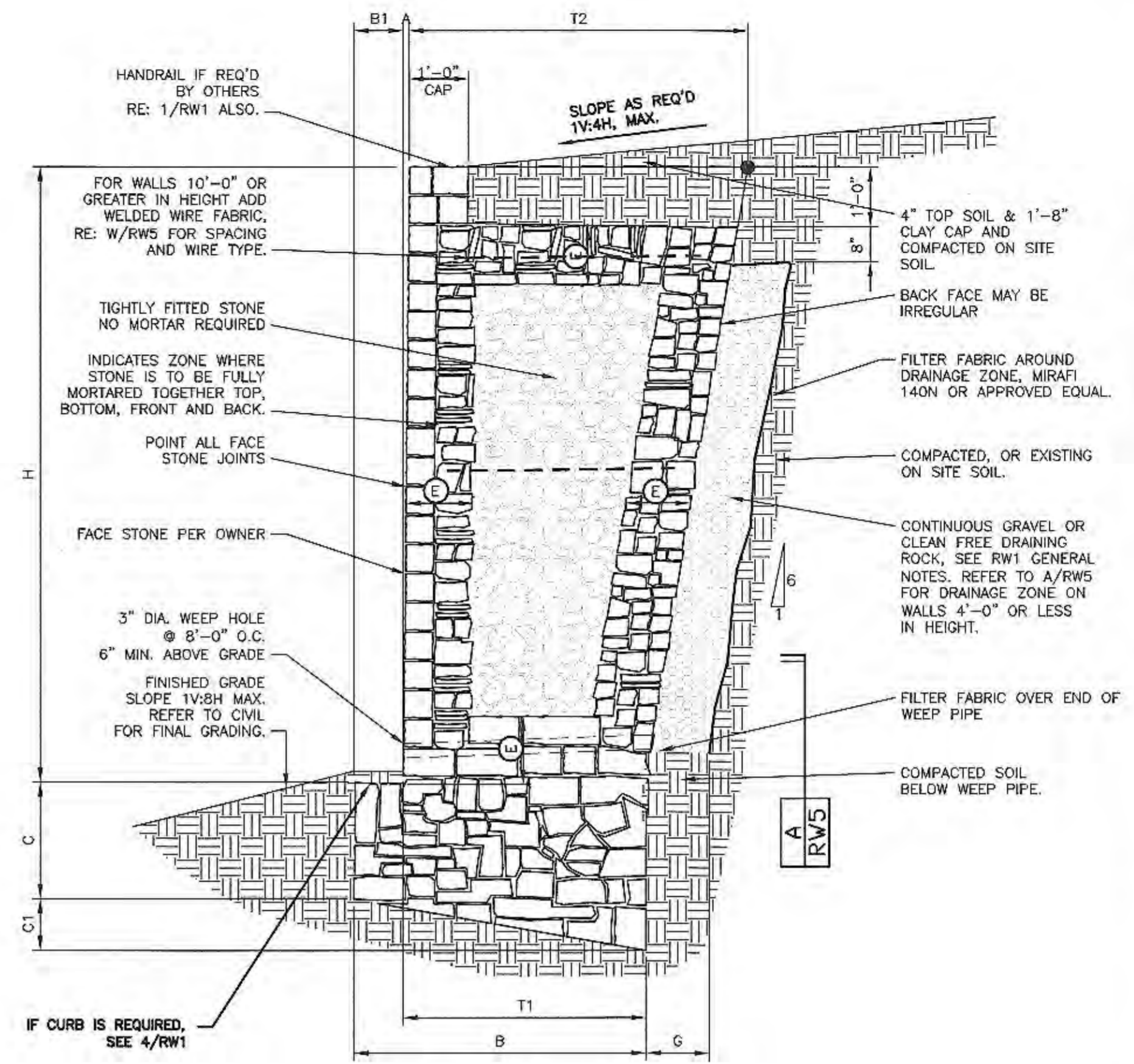
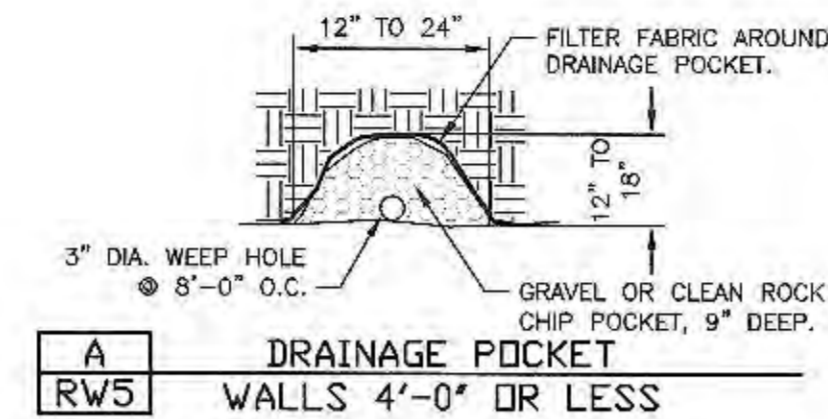
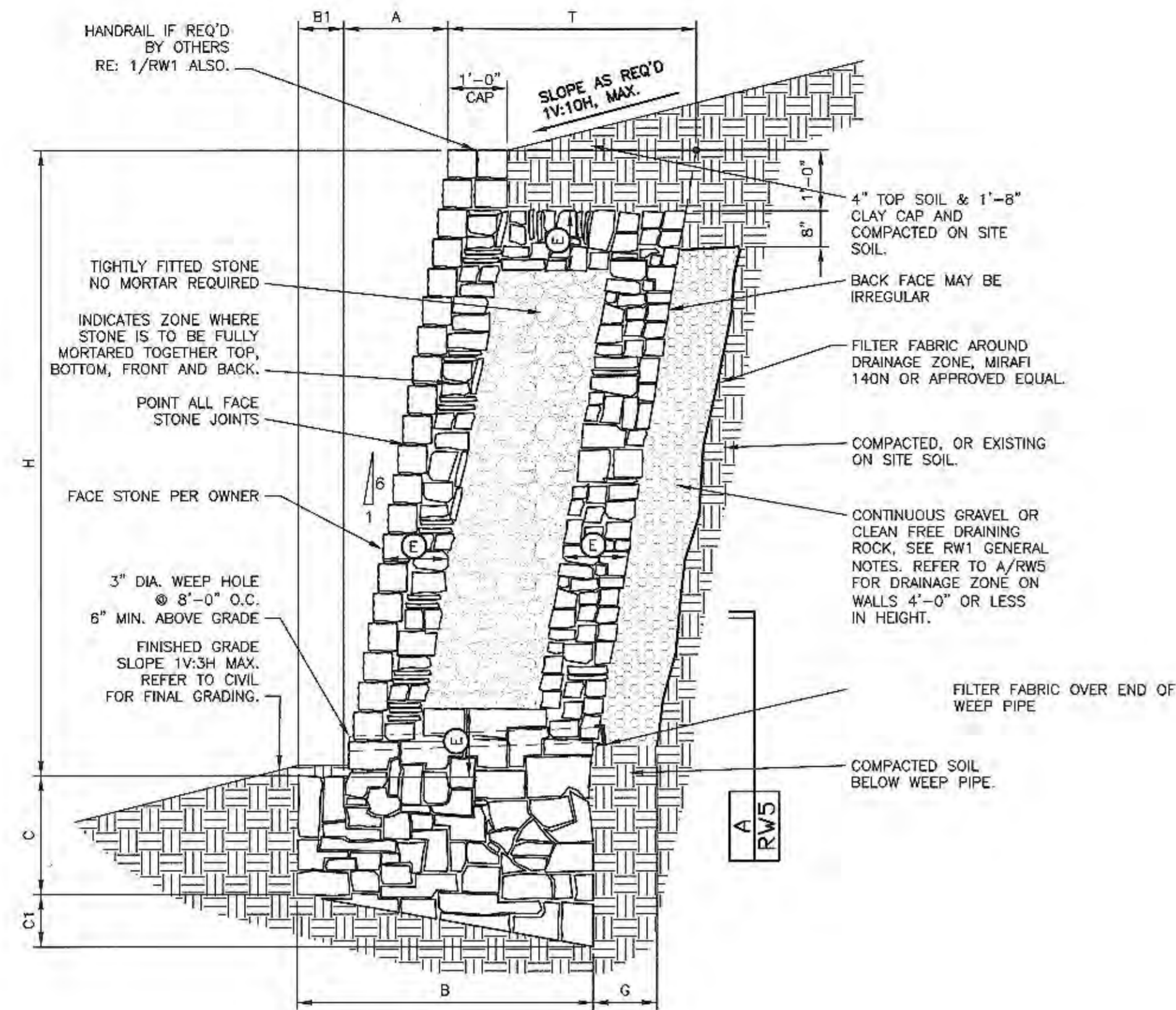
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MASONRY RETAINING WALLS
SKY-RIDGE ADDITION
RIDGE ROAD & YELLOW JACKET LANE
ROCKWALL, TEXAS

RPM xCONSTRUCTION, LLC
PLANO, TEXAS

STATE OF TEXAS
MANAF REFAI
332247
04-19-22

JOB NO. 261.22
RW4



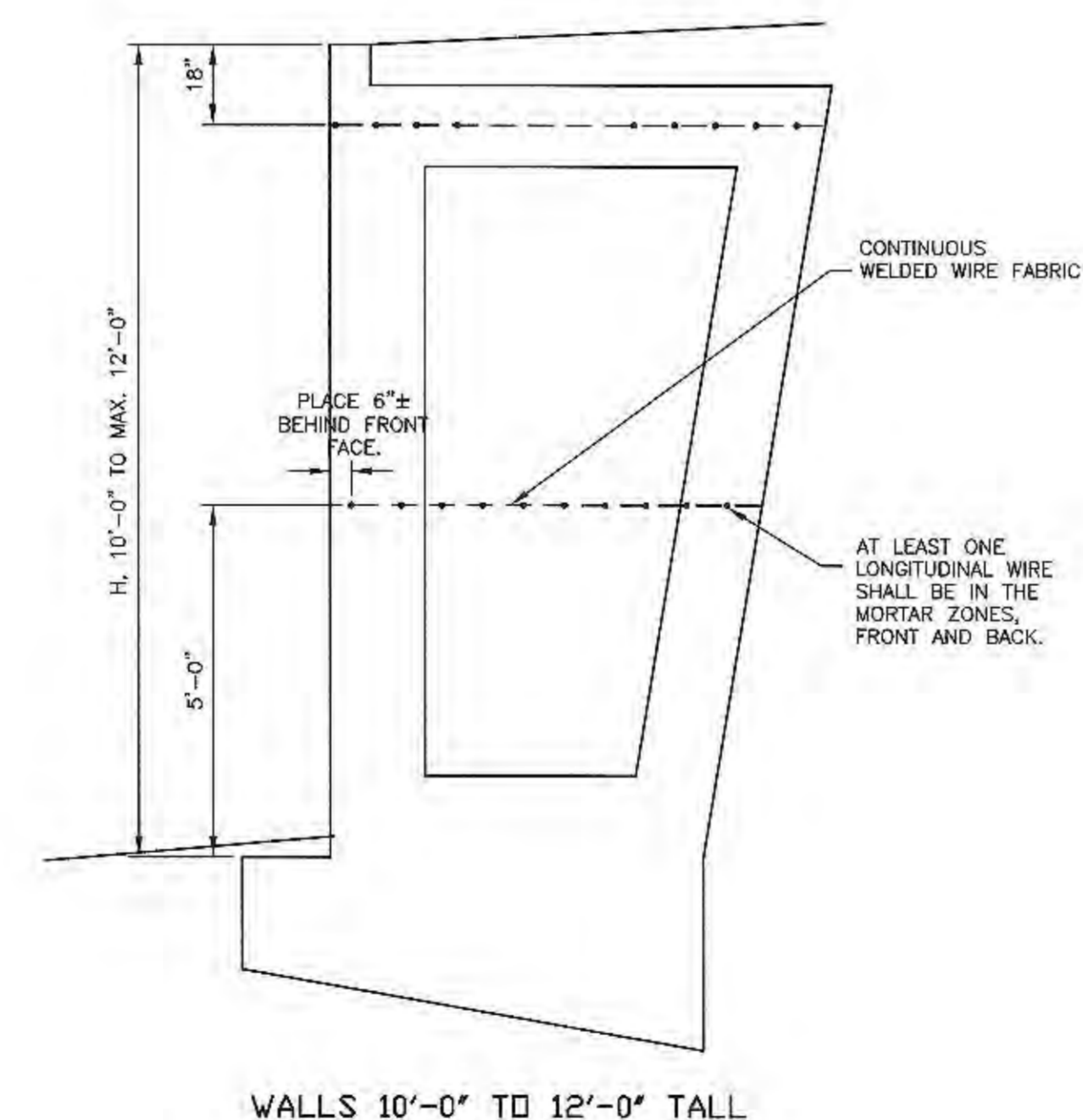
MASONRY WALL SCHEDULE
1500 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS - SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-2"	FULLY MORTARED	1'-0"	SEE A/RWS	1500 psf
2'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-4"	FULLY MORTARED	1'-0"	SEE A/RWS	1500 psf
3'-0"	1'-6"	0'-3"	1'-0"	0'-4"	0'-6"	FULLY MORTARED	1'-3"	SEE A/RWS	1500 psf
4'-0"	2'-2"	0'-4"	1'-0"	0'-5"	0'-8"	FULLY MORTARED	1'-10"	SEE A/RWS	1500 psf

WALL DESIGN CRITERIA

BEARING Q_u	SLOPE TOP β	SLOPE BOT β_1	ACTIVE PRESSURE Q_a	PASSIVE PRESSURE Q_p	FRICTION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE D
1500PSF	5.71 deg	18.43 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 2/RWS



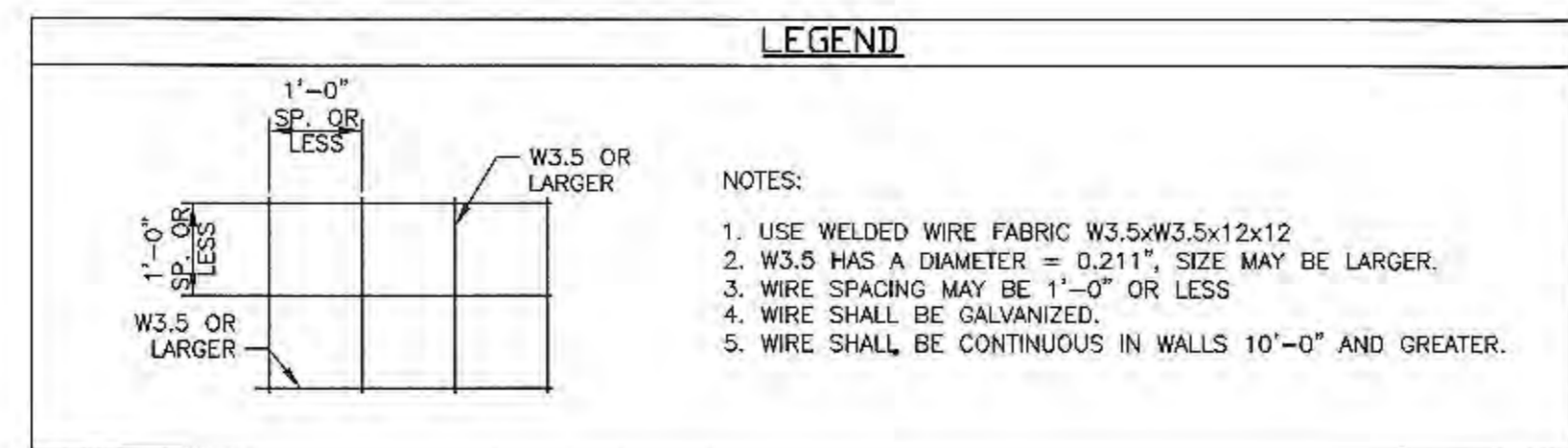
MASONRY WALL SCHEDULE
1500 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS - SEE GENERAL NOTES SHEET RW1)
ON COMPACTED AND TREATED SOILS (SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T1	THICKNESS OF WALL T2	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-2"	0'-2"	1'-0"	0'-3"	1/4"	FULLY MORTARED	1'-0"	1'-2"	SEE A/RWS	1500 psf
2'-0"	1'-2"	0'-2"	1'-0"	0'-3"	1/2"	FULLY MORTARED	1'-0"	1'-4"	SEE A/RWS	1500 psf
3'-0"	1'-6"	0'-3"	1'-0"	0'-3"	3/4"	FULLY MORTARED	1'-2"	1'-8"	SEE A/RWS	1500 psf
4'-0"	2'-0"	0'-4"	1'-0"	0'-3"	0'-1 1/4"	FULLY MORTARED	1'-8"	2'-4"	SEE A/RWS	1500 psf
5'-0"	2'-9"	0'-6"	1'-3"	0'-6"	0'-1 1/4"	FULLY MORTARED	2'-3"	3'-1"	1'-0"	1500 psf
6'-0"	3'-4"	0'-8"	1'-6"	0'-8"	0'-1 1/2"	FULLY MORTARED	2'-8"	3'-8"	1'-0"	1500 psf
7'-0"	4'-0"	0'-11"	1'-8"	0'-9"	0'-1 3/4"	FULLY MORTARED	3'-1"	4'-3"	1'-0"	1500 psf
8'-0"	4'-9"	1'-2"	1'-9"	0'-11"	0'-2"	FULLY MORTARED	3'-7"	4'-11"	1'-0"	1500 psf
9'-0"	5'-8"	1'-3"	1'-9"	1'-0"	0'-2 1/4"	FULLY MORTARED	4'-5"	5'-11"	1'-0"	1500 psf
10'-0"	6'-4"	1'-6"	2'-0"	1'-2"	0'-2 1/2"	FULLY MORTARED	4'-10"	6'-6"	1'-0"	1800 psf
11'-0"	7'-0"	1'-8"	2'-6"	1'-3"	0'-2 3/4"	FULLY MORTARED	5'-4"	7'-2"	1'-0"	1800 psf
12'-0"	7'-8"	1'-10"	3'-0"	1'-5"	0'-3"	FULLY MORTARED	5'-10"	7'-10"	1'-0"	1950 psf

WALL DESIGN CRITERIA

BEARING Q_u	SLOPE TOP β	SLOPE BOT β_1	ACTIVE PRESSURE Q_a	PASSIVE PRESSURE Q_p	FRICTION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE D
1500 PSF	14 deg	7.13 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 1/RWS



2 TYPICAL WALL SECTION
RWS BEARING IN CLAYEY OR SANDY SOILS
 MAX SLOPE ABOVE WALL 1V:10H
 MAX SLOPE BELOW WALL 1V:3H
 1/2" = 1'-0"

W WIRE SPACING FOR WALLS - VERTICAL FACE WALLS
RWS 10'-0" AND GREATER

1 TYPICAL VERTICAL WALL SECTION - 1V:4H MAX SLOPE ABOVE WALL
RWS BEARING IN CLAYEY OR SANDY SOILS
 DATE 1/2" = 1'-0"

DATE	BY	DES.	CHK.	NO.	DATE	REVISION	BY
04-19-24	MMR	MMR	EG				
04-19-24		DRN					
04-19-24							

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 Structural Engineering Consultants
 TX Reg. Engineering Firm F-4038
 722 North Fieder Road
 Arlington, Texas 76012
 (817) 261-8300

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 ENGINEERS

THE USE OF THESE PLANS ON ANY OTHER PROJECT OR AT ANY OTHER LOCATION WITHOUT THE WRITTEN CONSENT OF FALKOFSKI ENGINEERS IS PROHIBITED.

MASONRY RETAINING WALLS
 SKY-RIDGE ADDITION
 RIDGE ROAD & YELLOW JACKET LANE
 ROCKWALL, TEXAS

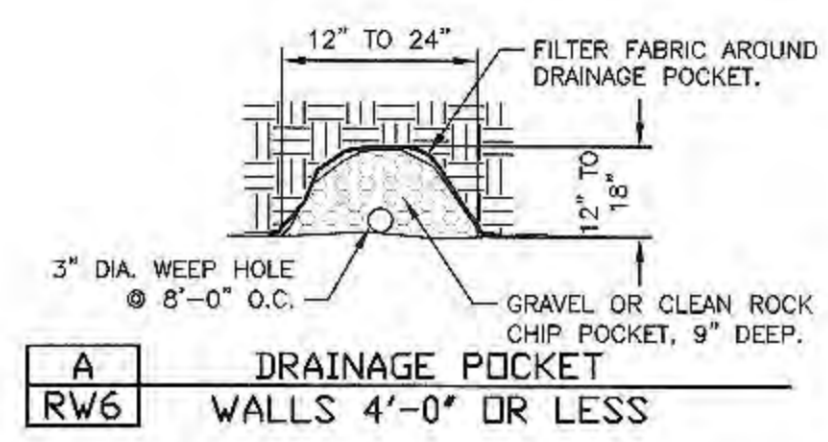
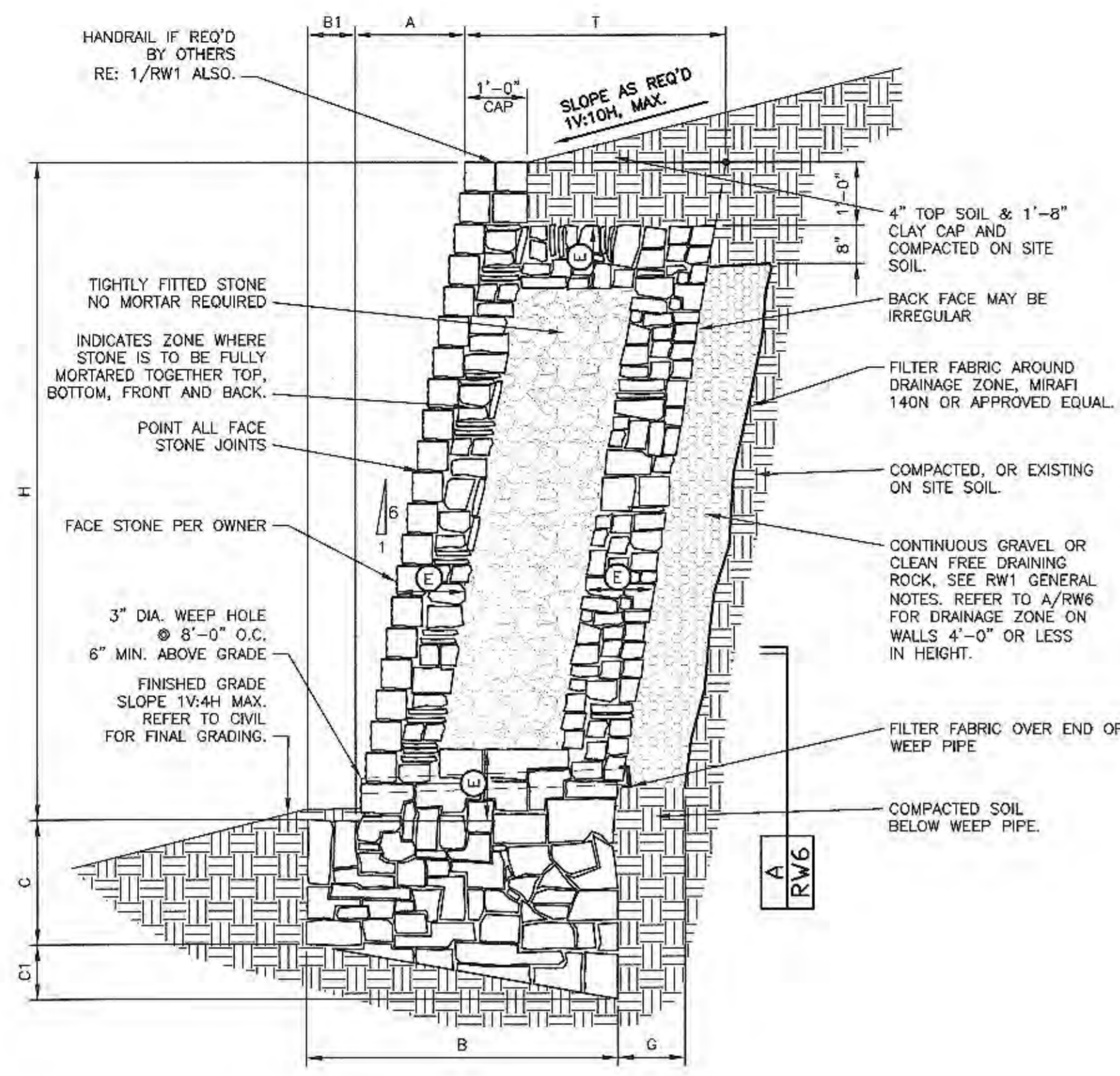
RPM xCONSTRUCTION, LLC
 PLANO, TEXAS

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 ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

MANAF REFAI
 04-19-24

JOB NO. 261.22

RW5



A
RW6
DRAINAGE POCKET
WALLS 4'-0" OR LESS

MASONRY WALL SCHEDULE
1600 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS SEE GENERAL NOTES SHEET RW1)

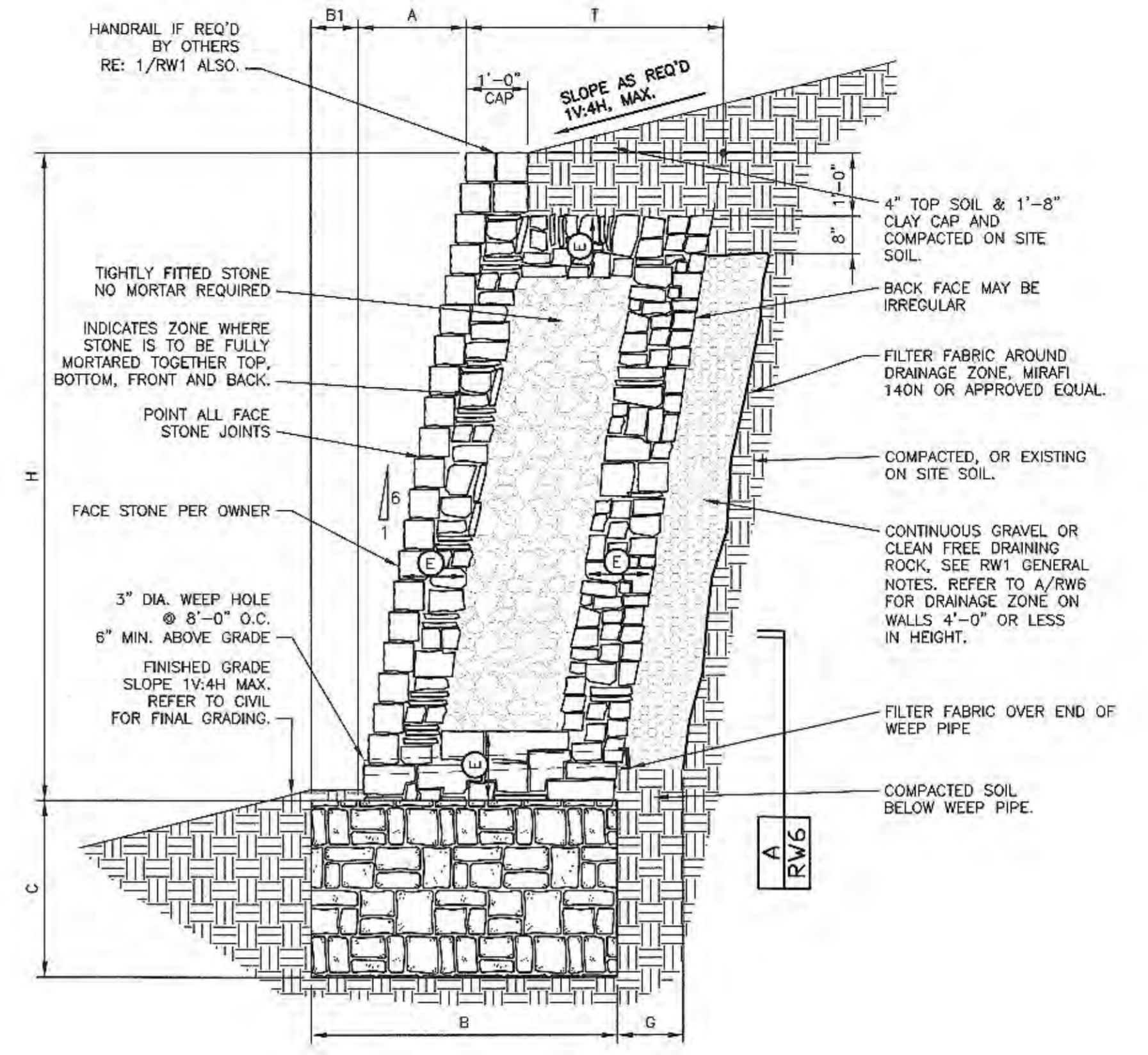
WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-2"	FULLY MORTARED	1'-0"	SEE A/RW6	1500 psf
2'-0"	1'-2"	0'-2"	1'-0"	0'-3"	0'-4"	FULLY MORTARED	1'-0"	SEE A/RW6	
3'-0"	1'-7"	0'-3"	1'-6"	0'-4"	0'-6"	FULLY MORTARED	1'-4"	SEE A/RW6	
4'-0"	2'-2"	0'-4"	2'-3"	0'-5"	0'-8"	FULLY MORTARED	1'-10"	SEE A/RW6	
5'-0"	2'-8"	0'-5"	3'-0"	0'-6"	0'-10"	0'-8"	2'-2"	1'-0"	
6'-0"	3'-3"	0'-6"	3'-9"	0'-7"	1'-0"	0'-10"	2'-7"	1'-0"	
7'-0"	3'-10"	0'-10"	4'-6"	0'-9"	1'-2"	0'-10"	3'-0"	1'-0"	
8'-0"	4'-8"	1'-0"	5'-3"	0'-10"	1'-4"	1'-0"	3'-6"	1'-0"	
9'-0"	5'-4"	1'-2"	6'-0"	1'-0"	1'-6"	1'-0"	4'-2"	1'-0"	

WALL DESIGN CRITERIA

BEARING CAPACITY	SLOPE TOP β	SLOPE BOT β_1	ACTIVE PRESSURE γ_a	PASSIVE PRESSURE γ_p	FRICITION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE q
1500PSF	5.71 deg	14 deg	28 deg	28 deg	17 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 2/RW6

2
RW6
TYPICAL WALL SECTION
BEARING IN CLAYEY OR SANDY SOILS
MAX SLOPE ABOVE WALL 1V:10H
MAX SLOPE BELOW WALL 1V:4H
1/2" = 1'-0"



MASONRY WALL SCHEDULE
2500 psf - BEARING CAPACITY (REMEDIATED BASE SEE GENERAL NOTES SHEET RW1)

WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BATTER A	FULLY MORTARED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
1'-0"	1'-3"	0'-3"	2'-0"	0'-2"	FULLY MORTARED	1'-0"	SEE A/RW6	2500 psf
2'-0"	1'-8"	0'-6"	2'-9"	0'-4"	FULLY MORTARED	1'-2"	SEE A/RW6	
3'-0"	2'-3"	0'-9"	3'-9"	0'-6"	FULLY MORTARED	1'-6"	SEE A/RW6	
4'-0"	2'-11"	0'-10"	4'-9"	0'-8"	FULLY MORTARED	2'-1"	SEE A/RW6	
5'-0"	3'-8"	1'-2"	6'-0"	0'-10"	0'-8"	2'-6"	1'-0"	
6'-0"	4'-6"	1'-6"	7'-6"	1'-0"	0'-10"	3'-0"	1'-0"	

WALL DESIGN CRITERIA

BEARING CAPACITY	SLOPE TOP β	SLOPE BOT β_1	ACTIVE PRESSURE γ_a	PASSIVE PRESSURE γ_p	FRICITION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE q
2500PSF	14 deg	14 deg	28 deg	28 deg	28 deg	99.46 deg	0 psf

USE THIS SCHEDULE FOR 1/RW6

1
RW6
TYPICAL WALL SECTION
BEARING IN CLAYEY OR SANDY SOILS
MAX SLOPE ABOVE WALL 1V:4H
MAX SLOPE BELOW WALL 1V:4H
1/2" = 1'-0"

DATE	BY	DES.	DRN.	CHK.	NO.	DATE	REVISION	BY
04-19-22	MMR	EG	MMR					

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TX Reg. Engineering Firm F-4038
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THE USE OF THESE PLANS AND SPECIFICATIONS IS LIMITED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY REPRODUCTION OR DISTRIBUTION OF THESE PLANS OR SPECIFICATIONS FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF FALKOFSKI ENGINEERING IS PROHIBITED. FALKOFSKI ENGINEERING ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THESE PLANS OR SPECIFICATIONS.

MASONRY RETAINING WALLS
SKY-RIDGE ADDITION
RIDGE ROAD & YELLOW JACKET LANE
ROCKWALL, TEXAS

RPM xCONSTRUCTION, LLC
PLANO, TEXAS

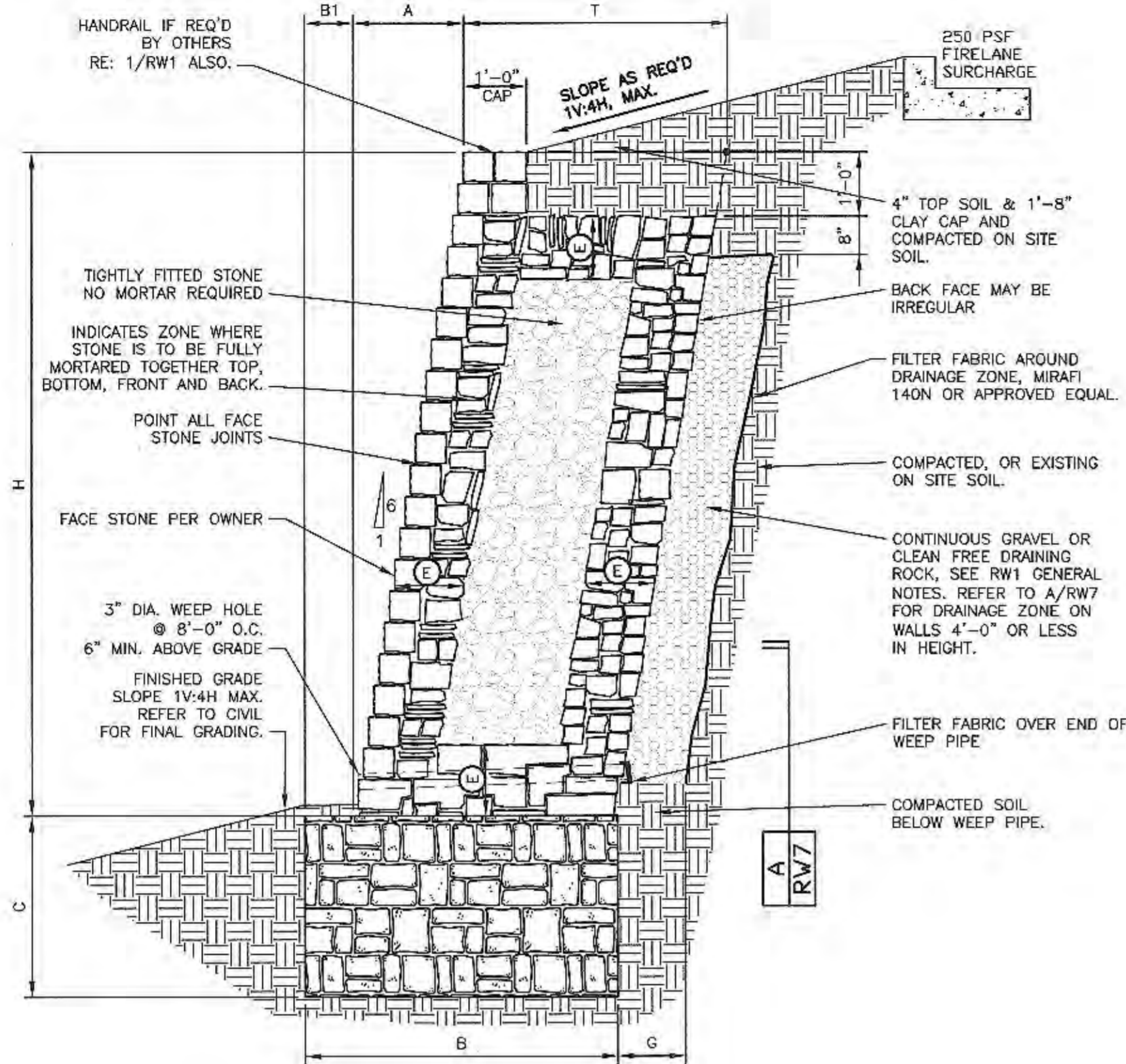
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ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

CITY _____ DATE _____

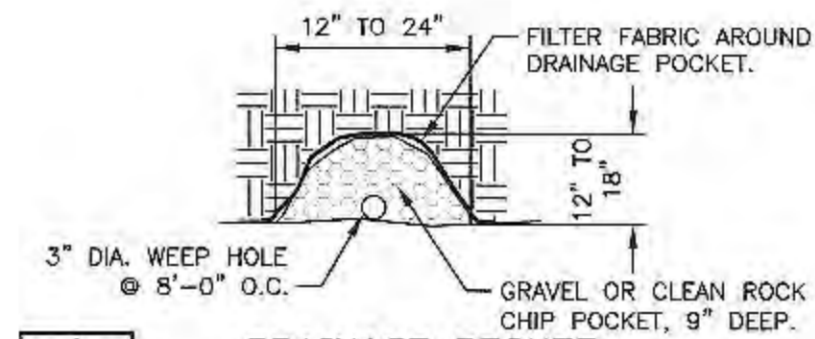
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JOB NO. 261.22

RW6



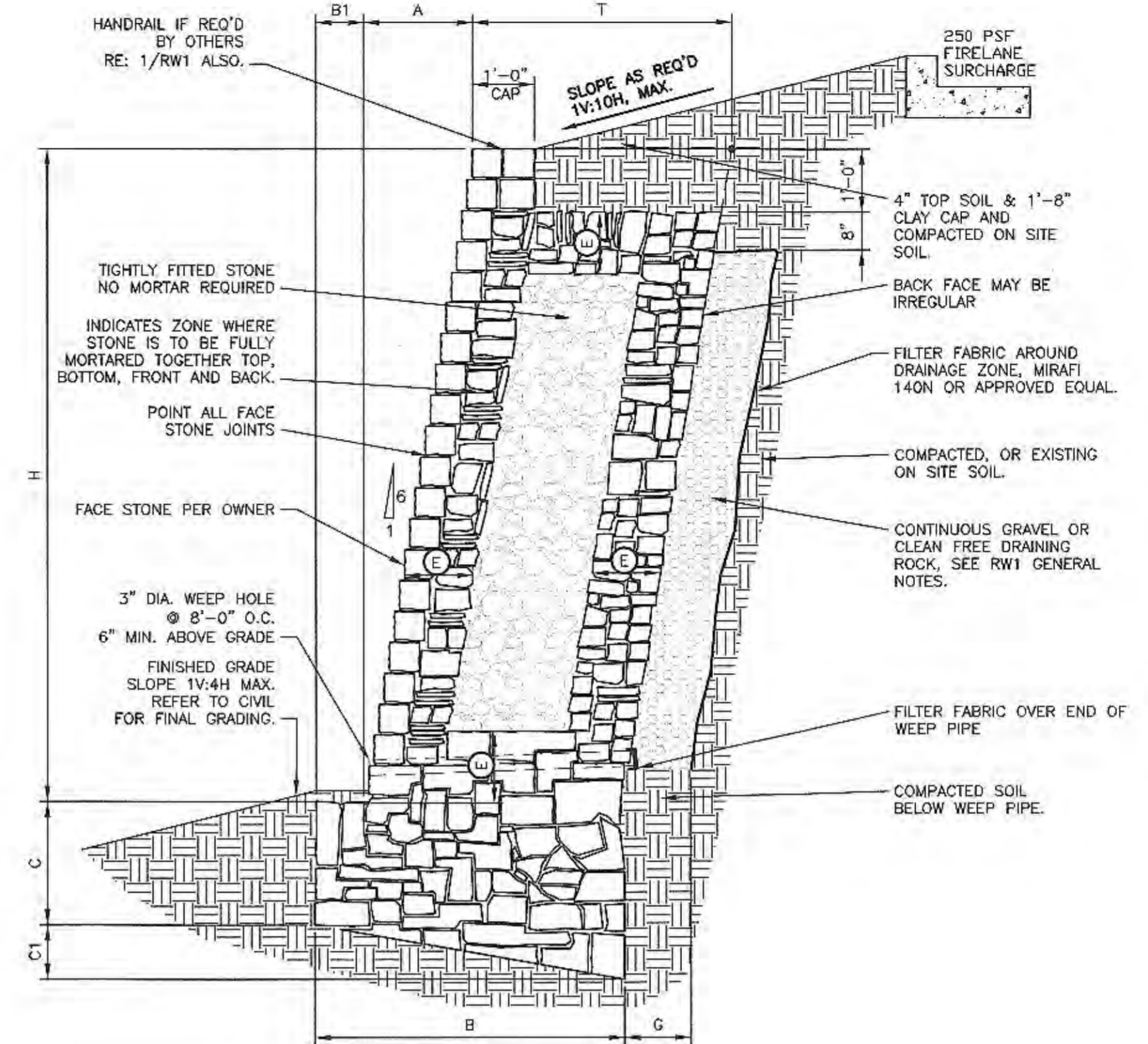
NOTE: RETAINING WALL HAS BEEN DESIGNED FOR FIRELANE SURCHARGE AND NOT FOR VEHICULAR IMPACT LOADING.



A
RW7 DRAINAGE POCKET
WALLS 4'-0" OR LESS

MASONRY WALL SCHEDULE									
2500 psf - BEARING CAPACITY (REMEDiated BASE SEE GENERAL NOTES SHEET RW1)									
WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BATTER A	REINFORCED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY	
1'-0"	2'-6"	0'-2"	2'-0"	0'-2"	FULLY MORTARED	2'-4"	SEE A/RW7	2500 psf	
2'-0"	2'-11"	0'-2"	2'-9"	0'-4"	FULLY MORTARED	2'-9"	SEE A/RW7	2500 psf	
3'-0"	3'-4"	0'-3"	3'-9"	0'-6"	FULLY MORTARED	3'-1"	SEE A/RW7	2500 psf	
4'-0"	3'-11"	0'-4"	4'-9"	0'-8"	FULLY MORTARED	3'-7"	SEE A/RW7	2500 psf	
5'-0"	4'-6"	0'-6"	6'-0"	0'-10"	1'-0"	4'-0"	1'-0"	2500 psf	
6'-0"	5'-2"	0'-8"	7'-6"	1'-0"	1'-3"	4'-6"	1'-0"	2500 psf	
7'-0"	5'-10"	0'-10"	9'-0"	1'-2"	1'-3"	5'-0"	1'-0"	2500 psf	
8'-0"	6'-7"	1'-0"	10'-0"	1'-4"	1'-6"	6'-7"	1'-0"	2500 psf	
WALL DESIGN CRITERIA									
BEARING Q _u	SLOPE TOP β	SLOPE BOT β ₁	ACTIVE PRESSURE P _a	PASSIVE PRESSURE P _p	FRICTION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE S		
2500PSF	14 deg	14 deg	28 deg	28 deg	28 deg	99.46 deg	250 psf		
USE THIS SCHEDULE FOR 2/RW7									

2
RW7 TYPICAL WALL SECTION - 250 PSF FIRELANE SURCHARGE
BEARING IN CLAYEY OR SANDY SOILS
MAX SLOPE BELOW WALL 1V:4H
1/8" = 1'-0"



NOTE: RETAINING WALL HAS BEEN DESIGNED FOR FIRELANE SURCHARGE AND NOT FOR VEHICULAR IMPACT LOADING.

MASONRY WALL SCHEDULE									
1500 psf - BEARING CAPACITY (STIFF NATURAL UNDISTURBED SOILS SEE GENERAL NOTES SHEET RW1)									
WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	BATTER A	REINFORCED ZONE E	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G	BEARING CAPACITY
5'-0"	4'-3"	0'-8"	3'-9"	0'-9"	1'-2"	1'-0"	3'-7"	1'-0"	1500 psf
7'-0"	4'-11"	1'-0"	4'-6"	0'-11"	1'-2"	1'-0"	3'-11"	1'-0"	1500 psf
8'-0"	5'-8"	1'-4"	5'-3"	1'-0"	1'-4"	1'-3"	4'-4"	1'-0"	1500 psf
9'-0"	6'-6"	1'-6"	6'-0"	1'-2"	1'-6"	1'-3"	4'-10"	1'-0"	1500 psf
WALL DESIGN CRITERIA									
BEARING Q _u	SLOPE TOP β	SLOPE BOT β ₁	ACTIVE PRESSURE P _a	PASSIVE PRESSURE P _p	FRICTION ANGLE BASE δ	SLOPE OF BACK OF WALL α	SURCHARGE S		
1500PSF	0 deg	14 deg	28 deg	28 deg	17 deg	99.46 deg	250 psf		
USE THIS SCHEDULE FOR 1/RW7									

1
RW7 TYPICAL WALL SECTION - 250 PSF FIRELANE SURCHARGE
BEARING IN CLAYEY OR SANDY SOILS
MAX SLOPE BELOW WALL 1V:4H
1/8" = 1'-0"

NO.	DATE	BY	DES.	CHK.	REVISION
1	04-19-22	MMR	EG	MMR	

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Structural Engineering Consultants
TX Reg. Engineering Firm F-4038
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Arlington, Texas 76012
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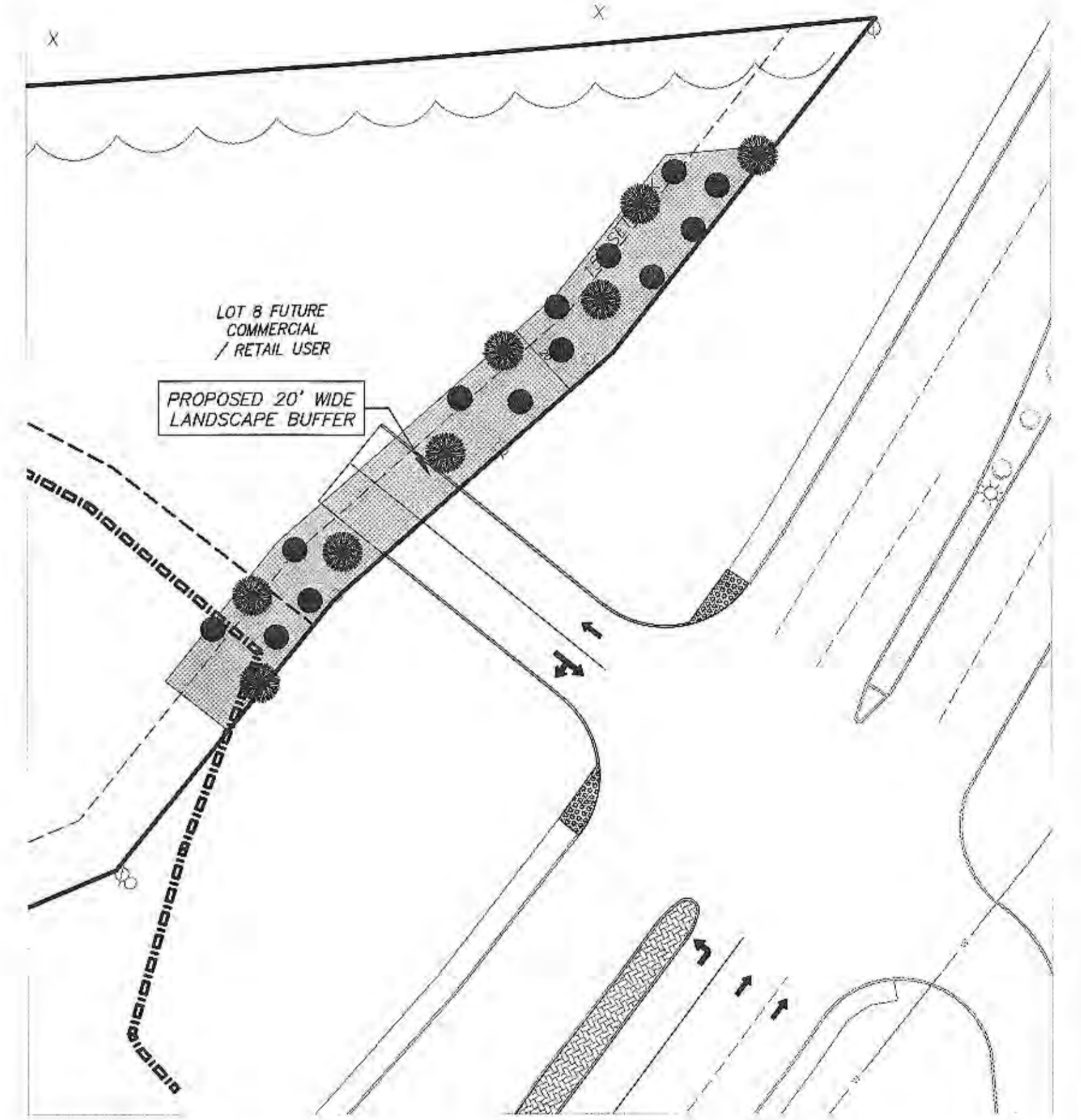
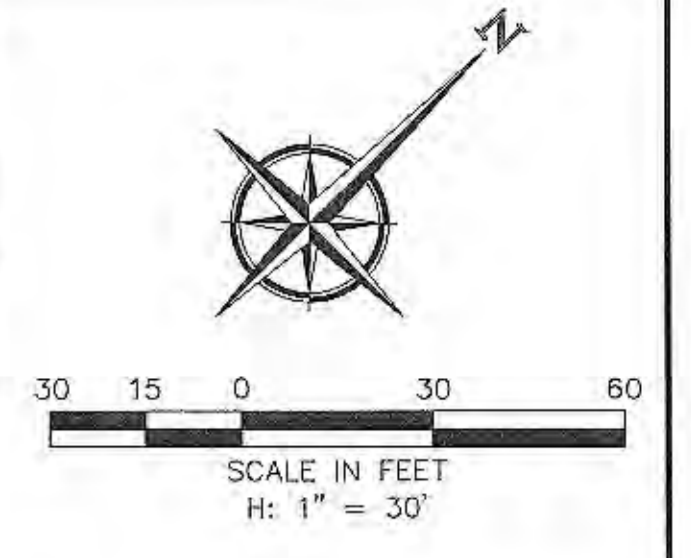
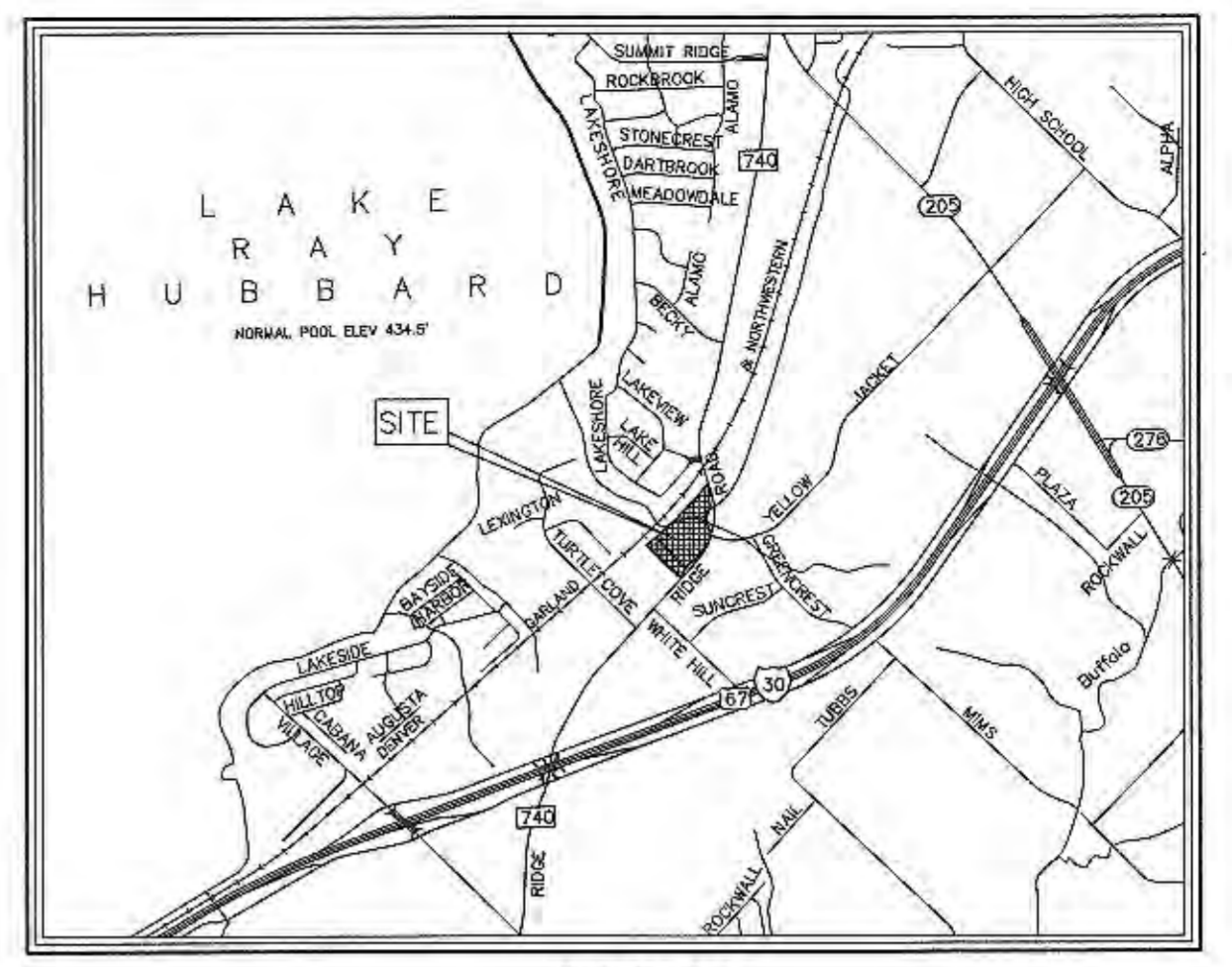
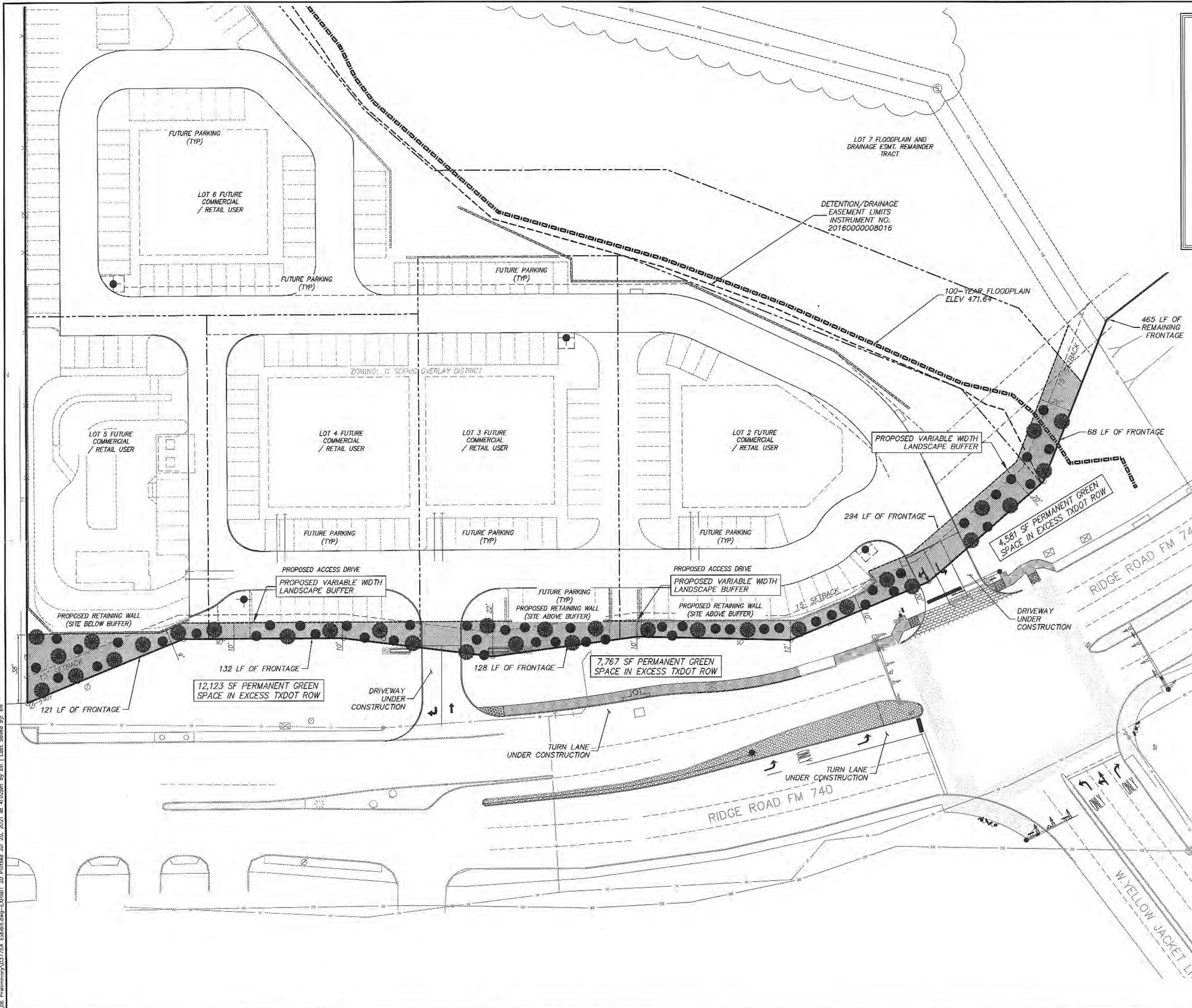
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MASONRY RETAINING WALLS
SKY-RIDGE ADDITION
RIDGE ROAD & YELLOW JACKET LANE
ROCKWALL, TEXAS
RPM xCONSTRUCTION, LLC
PLANO, TEXAS



JOB NO. 261.22

RW7



SCENIC OVERLAY DISTRICT

REQUIRED: 20' LANDSCAPE BUFFER WITH LANDSCAPE BERM AND 3-4" TREES PER 100 LF
 4 ACCENT TREES PER 100 LF
 BASED ON 1214 LF, 37 CANOPY TREES AND 49 ACCENT TREES
 PROPOSED: VARIABLE WIDTH LANDSCAPE BUFFER WITH 40- 4" CANOPY TREES (+3)
 60 ACCENT TREES (+11)
 SITE GRADES ALONG RIDGE ROAD FRONTAGE PREVENT GRADING A BERM, DENSER PLANTINGS ALONG FRONTAGE WILL PROVIDE A LIVING SCREEN.

MON. R005-1 N: 7023593.75795; E: 2594175.58258; ELEVATION: 578.6314.
 RESET CONCRETE MONUMENT W/BRASS CAP LOCATED IN MEDIUM OF SUMMIT RIDGE DRIVE INTERSECTING F.M. HWY. NO. 740.
 MON. R007 N: 7013837.484; E: 2595453.327; ELEVATION: 566.223.
 BEING LOCATED ON THE EAST SIDE OF INTERSECTION I-30 SOUTH SERVICE ROAD & MIMS ROAD.

CAUTION!
 THE UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF UTILITIES IN THE AREA OF CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES IN ORDER TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.

ENGINEERING CONCEPTS & DESIGN, L.P.
 ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
 201 WINDCO CIR, STE 200, WYLIE, TX 75098
 972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

DRAWN: BCD/LP	DATE: July 20, 2021
CHECKED: TW	DATE: July 20, 2021
PROJECT NO.: 03775A	
DWG FILE NAME: 03775A EXHIBIT.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.

ALTERNATE LANDSCAPE PLAN
 FOR PROPOSED LOTS 2-7
 SKY-RIDGE ADDITION
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

CASE NUMBER: P2021-001
 1
 SHEET