CIVIL CONSTRUCTION PLANS

FOR

SPR DISTRIBUTION CENTER

LOCATED IN
LOT 2, BLOCK 1
INDALLOY ADDITION
1480 JUSTIN ROAD

ROCKWALL, TEXAS

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.

OWNER/DEVELOPER:
SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
CONTACT: MS. CAROLINA MOLINA
PHONE: (469) 314-1600

ENGINEER/SURVEYOR:
Westwood

Westwood Professional Services, Inc.
2901 Dallas Parkway, Suite 400
Plano, TX 75093
Phone (214) 473-4640
Toll Free (888) 937-5150
FIRM NO. F-11756

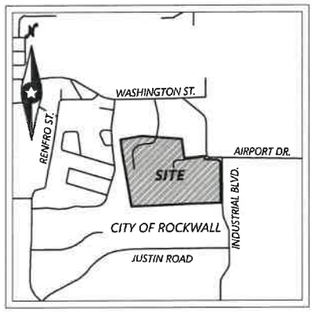
westwoodps.com

PROJECT NUMBER: 0036677.00

STATE OF TEXAS
ARLYN W. SAMUELSON
95877
LICENSED
PROFESSIONAL ENGINEER
4-5-2024

VICINITY MAP

(NOT TO SCALE)



BENCH MARK LIST:

BENCHMARK #1 - X-CUT IN BOX SET ON THE WEST SIDE OF AN INLET LOCATED ON SOUTH SIDE OF AIRPORT ROAD, APPROXIMATELY 300 ± FEET FROM THE SOUTHWEST INTERSECTION OF AIRPORT ROAD AND WASHINGTON STREET.

ELEVATION = 559.08'

BENCHMARK #2 - 5/8-INCH CAPPED IRON ROD SET NEAR THE SOUTHWEST CORNER OF THE PROPERTY DESCRIBED HEREON AND BEING APPROXIMATELY 151± FEET FROM THE SOUTH CORNER OF A CONCRETE ALLEY.

ELEVATION = 579.66

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FP-2	FINAL PLAT 2
SP-1.00	APPROVED SITE PLAN
L-1.01	LANDSCAPE PLAN 1
L-1.02	LANDSCAPE PLAN 2
L-1.03	LANDSCAPE PLAN 3
L-1.04	TREESCAPE PLAN
L-1.05	TREESCAPE DETAILS
DM-01	DEMOLITION PLAN
GN-1	CITY OF ROCKWALL GENERAL CONSTRUCTION NOTES 1
GN-2	CITY OF ROCKWALL GENERAL CONSTRUCTION NOTES 2
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6.02	UTILITY PROFILES
6.03	UTILITY DETAILS 1
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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 4/12/24

NO.	DATE	REVISION	SHEETS

CVR

6th Look
01/08/2024

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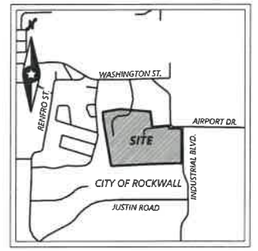
N:\0036677.00\1 PROJECT DATA\DWG\CIVIL\0036677-CV.DWG

Excluded; Curb w/ wall to be performed by concrete contractor.

Excluded; dock ramp wall

VICINITY MAP

(NOT TO SCALE)



GRAPHIC SCALE 1"=50'

50 0 50 100

LEGEND

- PROPOSED PROPERTY LINE
- 570 PROPOSED INDEX CONTOUR ELEVATION
- 571 PROPOSED INTERVAL CONTOUR ELEVATION
- FG=XXX.XX PROPOSED FINISHED GRADE ELEVATION
- TW=XXX.XX / BW=XXX.XX PROPOSED TOP AND BOTTOM OF WALL ELEVATION
- TC=XXX.XX / G=XXX.XX PROPOSED TOP OF CURB AND GUTTER ELEVATION
- E.O.P.=XXX.XX PROPOSED EDGE OF PAVEMENT ELEVATION
- T.O.P.=XXX.XX PROPOSED TOP OF PAVEMENT ELEVATION
- I.T.=XXX.XX PROPOSED INLET THROAT ELEVATION
- S.W.=XXX.XX PROPOSED TOP OF SIDEWALK ELEVATION
- F.F.=XXX.XX PROPOSED FINISHED FLOOR ELEVATION
- F.L.=XXX.XX PROPOSED FLOW LINE ELEVATION
- PROPOSED SWALE
- PROPOSED RETAINING WALL
- 570 EXISTING INDEX CONTOUR
- 571 EXISTING INTERVAL CONTOUR
- + 591.00 EXISTING SPOT ELEVATION

BENCH MARK LIST:

BENCHMARK #1 - X-CUT IN BOX SET ON THE WEST SIDE OF AN INLET LOCATED ON SOUTH SIDE OF AIRPORT ROAD, APPROXIMATELY 300 ± FEET FROM THE SOUTHWEST INTERSECTION OF AIRPORT ROAD AND WASHINGTON STRSET.

ELEVATION = 559.08'

BENCHMARK #2 - 5/8-INCH CAPPED IRON ROD SET NEAR THE SOUTHWEST CORNER OF THE PROPERTY DESCRIBED HEREON AND BEING APPROXIMATELY 151± FEET FROM THE SOUTH CORNER OF A CONCRETE ALLEY.

ELEVATION = 579.66

ADA ROUTE

NOTE:
MAXIMUM SLOPE FOR ALL ADA PATHS 5%; MAX. CROSS FALL IS 2%; FOR THE FIRST FIVE FOOT FROM THE DOOR A 2% SLOPE (MAX.) MUST BE MAINTAINED

GEOTECHNICAL REPORT

NOTE:
WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY D & S ENGINEERING LABS DOUGLAS GREENWOOD, P.E. DATED: MAY 24, 2022

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.

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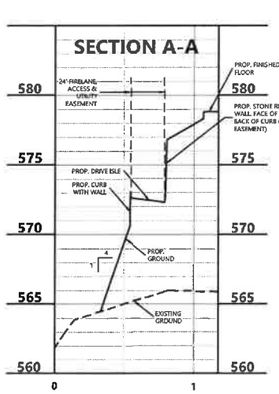
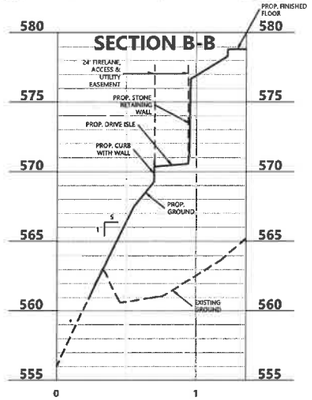
CITY _____ DATE 4/12/24





6th Look
01/08/2024

RETAINING WALL LEGEND

- WALL INCLUDED IN CURRENT SCOPE
- WALL EXCLUDED FROM CURRENT SCOPE
- WALL ON DIFFERENT SHEET
- SURCHARGED WALL
- SCALED MEASUREMENT

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SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE:
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

STATE OF TEXAS
ARLYN W. SAMUELSON
95877
LICENSED
PROFESSIONAL ENGINEER

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

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TBPE FIRM REGISTRATION NO. F-11756
TBPELS FIRM REGISTRATION NO. 10074301

GRADING PLAN

PROJECT NUMBER: 0036677.00

SHEET NUMBER: 3.00

DATE: 08/19/22

ENGINEERING NOTES TO CONTACTOR:

1. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
2. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND THEY WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. THE SURVEYOR WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONSTRUCTION STAKING DOES NOT REPLACE CONTRACTOR'S RESPONSIBILITY TO READ AND CONSTRUCT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. THE ENGINEER SHALL BE NOTIFIED IF DURING ANY PHASE OF CONSTRUCTION, OWNER OR CONTRACTOR DISCOVERS OR IS MADE AWARE OF SITE CONDITION CHANGES OR OTHER CONDITIONS WHICH NECESSITATE ADDITIONAL ENGINEERING INVESTIGATION, DESIGN MODIFICATION OR OTHER AMENDMENTS TO PLANS, SPECIFICATIONS, AND/OR ESTIMATES, BEFORE CONSTRUCTION OR ACTIVITIES PROCEED. THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ANY QUESTIONS CONCERNING THE ACCURACY OF IMPROVEMENT PLANS OR DESIGN CONFLICTS SHALL BE RAISED PRIOR TO COMPLETION OF THE WORK.
5. ESTIMATED QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. THE ENGINEER MAKES NO GUARANTEES AS TO THEIR ACCURACY. CONTRACTOR SHALL MAKE AN INDEPENDENT DETERMINATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THE IMPROVEMENTS IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS PRIOR TO BIDDING.
6. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
7. CONTRACTOR AND SUBCONTRACTORS SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROJECT SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS, AT ALL TIMES. THE ENGINEER'S PRESENCE ON THE CONSTRUCTION SITE SHALL NOT RELIEVE THE CONTRACTOR OR ITS SUBCONTRACTORS OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES FOR ALL FACETS OF SITE CONSTRUCTION AND SAFETY. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
8. CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
9. THE CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION WORK AND TO TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE UTILITIES.
10. THE CONTRACTOR SHALL PERFORM ANY NECESSARY EXCAVATIONS TO LOCATE AS-BUILT UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IF REVISIONS TO PLANS ARE NECESSARY DUE TO ACTUAL LOCATIONS OF AS-BUILT FACILITIES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER UTILITIES" (NOT SHOWN ON THE PLAN) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE "OTHER UTILITIES," THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND OTHER UTILITY ADJUSTMENTS AS REQUIRED. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
12. FINISHED GRADES SHOWN ARE FINAL FINISHED GRADES. CONTRACTOR SHALL PERFORM ALL EXCAVATION NECESSARY AND MAKE ALLOWANCES FOR CONSTRUCTION MATERIALS TO MEET THE FINAL GRADES AS SHOWN.
13. THESE PLANS WERE DESIGNED AND APPROVED TO BE IN GENERAL CONFORMANCE TO CURRENT JURISDICTIONAL DEVELOPMENT STANDARDS. THE CONTRACTOR SHALL:
    - REPORT DEVIATIONS, MATERIAL SUBSTITUTIONS, REMOVALS AND/OR ADDITIONS TO THE ENGINEER OF RECORD (EOR) WITH A MINIMUM OF 48-HOURS NOTICE IN ADVANCE TO DETERMINE ACCEPTABILITY OF DEVIATIONS.
    - REPORT CONSTRUCTION INSTALLATIONS TO THE EOR THAT DO NOT STAY WITHIN JURISDICTIONAL CONSTRUCTION TOLERANCES.
    - WITH 48 HOURS ADVANCE NOTICE, NOTIFY THE EOR OF ALL CONSTRUCTION OBSERVATIONS OR TESTING BEING CONDUCTED. OBSERVATION FREQUENCY OR POINTS OF CRITICAL ENGAGEMENT SHALL BE DETERMINED AT CONSTRUCTION COMMENCEMENT OR AS NEEDED.
    - BE HELD RESPONSIBLE FOR CONSTRUCTION DEVIATIONS OR CONSTRUCTION OBSERVATIONS COMPLETED WITHOUT EOR KNOWLEDGE OR EOR APPROVAL WHICH MAY RESULT IN THE LOSS OF PROPERTY OR TIME.
14. ALL EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES. A COPY OF THIS REPORT IS AVAILABLE FROM THE OWNER AND NOTED IN THE REFERENCE DOCUMENTS SECTION (SEE THIS SHEET).
15. THE CONTRACTOR SHALL PROVIDE POSITIVE GRADE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS.
16. CONTRACTOR SHALL USE CAUTION WHEN BACKFILLING WALLS. LARGE CONSTRUCTION EQUIPMENT SHALL MAINTAIN A MINIMUM SPACING FROM BACK OF WALL EQUAL TO 1.5 X THE WALL HEIGHT. HAND HELD COMPACTION EQUIPMENT IS RECOMMENDED FOR BACKFILL WITHIN 5'-0" OF BACK OF WALL.

DESIGN NOTES

1. DESIGN REQUIREMENTS PER INTERNATIONAL BUILDING CODE (IBC) 2021
   - 1.1. MINIMUM FACTOR OF SAFETY FOR SLIDING: 1.5 PER SECTION 1807.2.3
   - 1.2. MINIMUM FACTOR OF SAFETY FOR OVERTURNING: : 1.5 PER SECTION 1807.2.3
   - 1.3. MINIMUM FACTOR OF SAFETY FOR BEARING CAPACITY: 3.0 PER SECTION 1802.1
2. DESIGN IS BASED ON LATERAL EARTH PRESSURES CALCULATED USING COLULOMBS LATERAL EARTH PRESSURE THEORY. DESIGN PARAMETERS BASED ON CIVIL SITE GRADING PLANS AS IDENTIFIED IN THE REFERENCE DOCUMENTS SECTION (SEE THIS SHEET).
3. WALLS SUPPORTING AREAS SUBJECT TO FIRE LANE LOADING ARE DESIGNED WITH 250 PSF LIVE LOAD. (AS APPLICABLE)
4. DESIGN VARIABLES AS NOTED IN THE ENGINEER'S DESIGN CALCULATIONS

REFERENCE DOCUMENTS

1. GEOTECHNICAL INVESTIGATION PREPARED BY D&S ENGINEERING LABS, DATED MAY 24, 2022. REFERENCE PROJECT NUMBER #G22-2097
2. GRADING PLAN PREPARED BY WESTWOOD PROFESSIONAL SERVICES DATED AUGUST 19 2022, REFERENCE PROJECT #36677.00

RETAINING WALL CONSTRUCTION NOTES

1. THE WALL SHALL BE CONSTRUCTED TO THE DIMENSIONS AS SHOWN ON THESE PLANS. CARE SHALL BE TAKEN TO INSTALL THE MORTAR ZONES THE CORRECT THICKNESS AND TO PLACE DRAINAGE BEHIND THE WALL AS REQUIRED.
2. CONTROL JOINTS SHALL BE INSTALLED AT MAXIMUM 16'-0" O.C.
3. WEEP PIPES SHALL BE PLACED AT 8'-0" O/C/ MAX.
4. FACE ROCK TYPE SHALL BE COORDINATED BETWEEN THE ARCHITECT, OWNER, AND RETAINING WALL CONTRACTOR

RETAINED BACKFILL PLACEMENT

1. RETAINED BACKFILL SHALL BE PLACED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, BUT SHOULD NOT BE LESS THAN 93% STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. FILL SHOULD BE PLACED IN MAXIMUM 8" THICK COMPACTED LIFTS
3. LARGE COMPACTION EQUIPMENT (EQUIPMENT HEAVIER THAN 7,500 LBS) SHALL REMAIN A MINIMUM OF 1.5X THE HEIGHT OF THE WALL AWAY FROM THE BACK OF THE RETAINING WALL.
4. SOIL PLACED WITHIN 5'-0" OF THE BACK OF THE WALL SHALL BE PLACED USING HAND HELD COMPACTION EQUIPMENT.

FINAL IMPROVEMENT PLANS FOR:

RETAINING WALL PLANS, DETAILS & NOTES

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

CONSTRUCTION MATERIALS

1. STEEL REINFORCEMENT (AS REQUIRED) SHALL CONFORM TO ASTM A-615, GRADE 60.
2. ALL DRAINAGE MATERIAL SHALL BE CLEAN FREE DRAINING GRANULAR BACKFILL.
3. WEEP HOLES SHALL BE CONSTRUCTED OF PVC SCHEDULE 80 PIPE.
4. DRAINAGE MATERIALS SHALL BE SEPARATED FROM RETAINED BACKFILL BY MIRAFI 140 N FILTER FABRIC OR EQUIVALENT
5. CONTROL JOINTS SHALL BE INSTALLED AT A MAXIMUM SPACING OF 16'-0" ON CENTER AND/OR AS SHOWN ON THESE PLANS
6. WEEP HOLES SHALL BE INSTALLED AT A MAXIMUM SPACING OF 8'-0" ON CENTER
7. ALL REQUIRED MATERIAL TESTING SHALL BE PERFORMED BY AN APPROVED MATERIALS TESTING LABORATORY.
8. MORTAR SHALL BE PORTLAND CEMENT CONCRETE, 2,500 PSI MIXED IN THE FOLLOW PROPORTIONS. ADDITIVES MAY BE USED AT THE DISCRETION OF THE CONTRACTOR

CONTENTS	AMOUNT/CY	SPECIFIC GRAVITY	VOLUME (FT^3)
TYPE 1 PORTLAND CEMENT	451 LBS	3.15	2.29
TYPE F FLY ASH	113 LBS	2.93	0.62
FINE AGGREGATE (SAND)	2746 LBS	2.59	16.99
POTABLE WATER	367 LBS	44 GALLONS	5.88
SIKA AIR ENTRAINER	PER MANU. SPEC	4.5%	1.22
TOTAL			27.0 FT^3

NOTE: THE ABOVE PROPORTIONS WILL PROVIDE MORTAR WITH COMPRESSIVE STRENGTH – 2,500 PSI

HAND MIXING OF PORTLAND CEMENT CONCRETE MORTAR SHALL BE IN ACCORDANCE WITH THE MASONRY SOCIETY (TMS) 402/602-16 BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES ON SC-1 PART 2.1

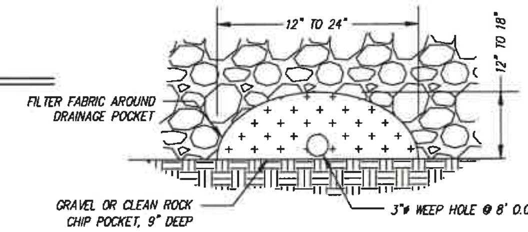
REVISION NOTES

(1) REVISED TEXT

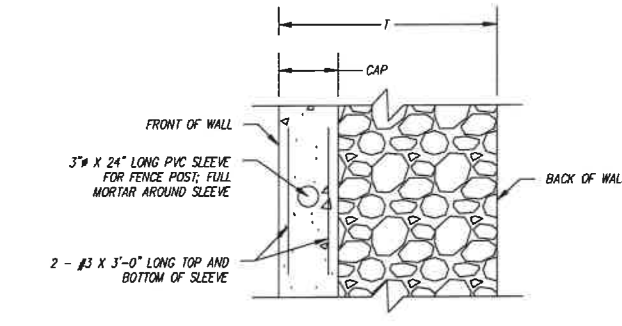
(2) ADDED FIRE LANE PAVEMENT AT BOTTOM OF WALL. NOTE THAT TOE DIMENSIONS ARE ZERO FOR ALL WALL SCHEDULE HEIGHTS

RETAINING WALL MISCELLANEOUS NOTES

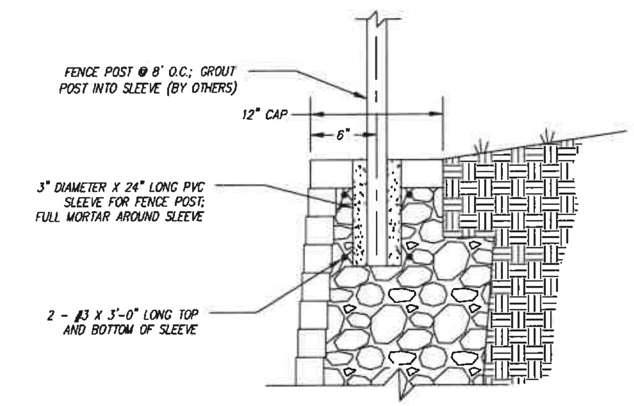
1. RETAINING WALLS SHOULD NOT HAVE SOLID FENCE (SUCH AS WOOD FENCE) PLACED ON TOP OF WALL OTHER THAN AS SHOWN ON THESE PLANS OR IN REFERENCED GRADING PLANS.
2. **RETAINING WALL SHALL NOT HAVE ADDITIONAL SURCHARGE PLACED ABOVE WALL OTHER THAN SHOWN ON THESE PLANS, OR IN REFERENCED GRADING PLANS.**
3. RETAINING WALLS SHALL NOT HAVE SLOPE AT BASE OR TOP OF WALL THAT EXCEED THAT WHICH IS SHOWN ON THESE PLANS.
4. CONTRACTOR MAY EXPAND DRAINAGE ZONE TO FILL OVERCUT WALLS IN A CUT SITUATION.
5. FINISH GRADING SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM WALL FOOTING AND TOP OF WALL. DO NOT ALLOW WATER TO POND AT TOP OF WALL. RETAINING WALLS ARE DESIGN TO ALLOW RUN-OFF OVER THE TOP OF WALL.
6. DO NOT ALLOW BUILDING DOWN SPOUTS, IRRIGATION WATER OR OTHER STORM WATER DISCHARGES TO BE DIRECTED TOWARDS RETAINING WALL. RUNOFF SHOULD BE PIPED AWAY FROM RETAINING WALLS.
7. CONTROL JOINTS ARE PROVIDED IN THE RETAINING WALL TO ALLOW FOR MINOR MOVEMENTS DUE TO SETTLEMENT AND SHRINK SWELL OF THE SOILS. SOME CRACKING MAY OCCUR IN THE FACE OF THE RETAINING WALL. CRACKING LESS THAN 3/8" IN WIDTH MAY BE COSMETICALLY REPAIRED AS DESIRED.
8. THE RETAINING WALL IS DESIGNED TO ALLOW SURFACE WATER TO FLOW OVER THE TOPS OF THE RETAINING WALLS. CARE SHOULD BE TAKEN DURING AND AFTER CONSTRUCTION TO NOT ALLOW WATER TO POND BEHIND THE RETAINING WALLS AS THIS CAN HAVE A NEGATIVE IMPACT ON THE STABILITY OF THE RETAINING WALLS
9. DO NOT ALLOW DOWNSPOUTS TO DISCHARGE NEAR A RETAINING WALL. PLUMB OR PIPE DOWNSPOUT DRAINAGE THROUGH THE WALL OR AWAY FROM THE WALL AS APPROPRIATE.
10. ANY BROKEN SPRINKLERS BEHIND THE RETAINING WALL SHALL BE TURNED OFF AND REPAIRED AS SOON AS POSSIBLE. DO NOT ALLOW WATER TO POOL OR POND ON TOP OF, OR AT THE BASE OF RETAINING WALLS. DRAINAGE SWALES SHALL POSITIVELY DRAIN AWAY FROM WALLS AND BE FREE DRAINING.



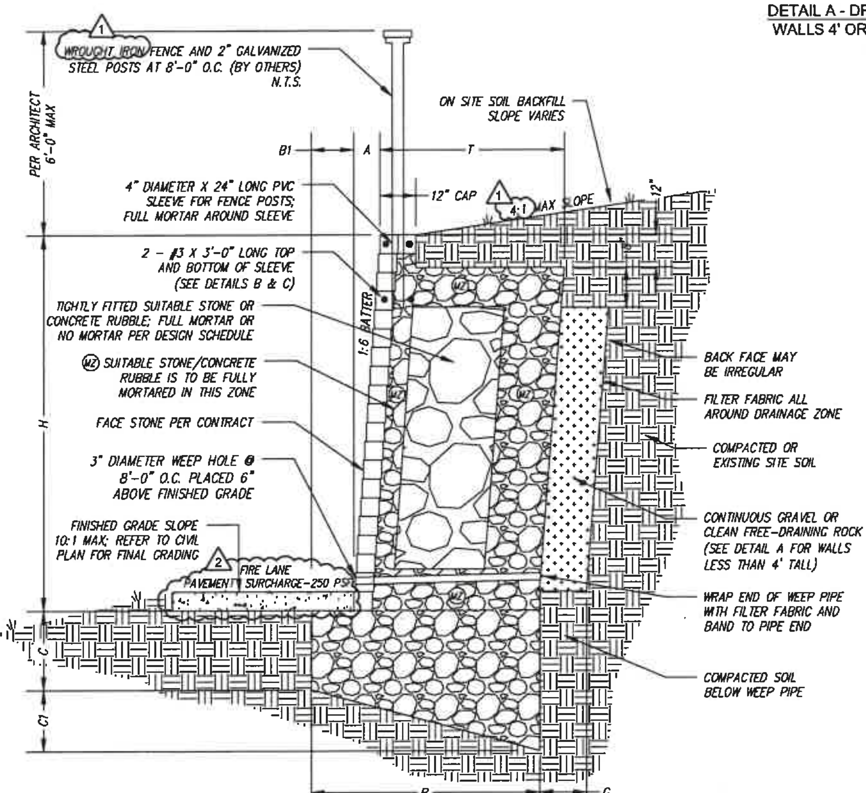
DETAIL A - DRAINAGE POCKET
WALLS 4' OR LESS IN HEIGHT
NTS



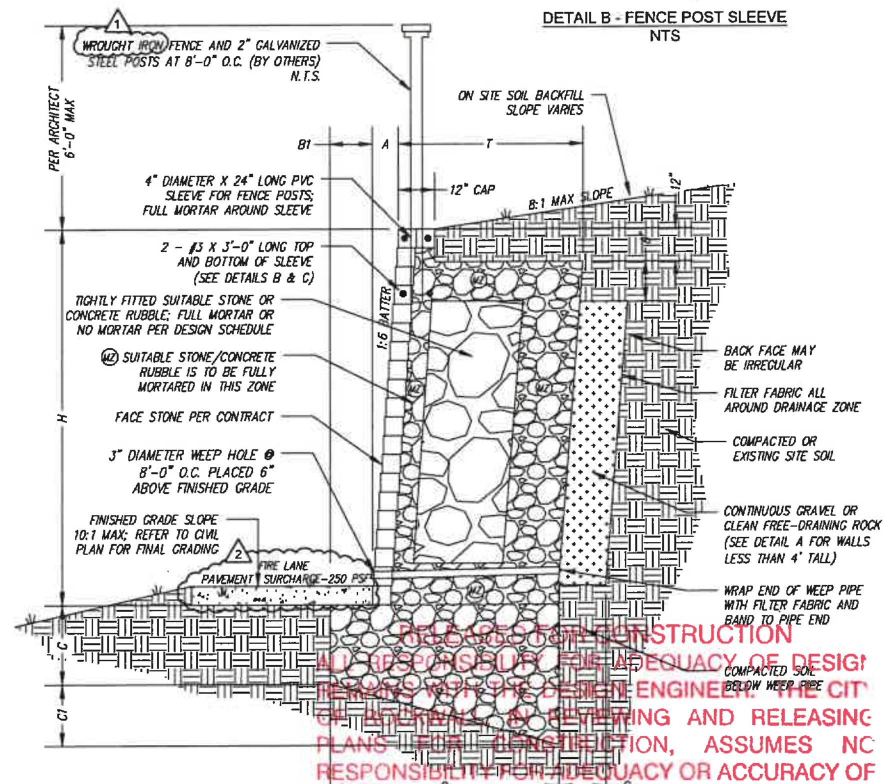
DETAIL C - FENCE POST REINFORCEMENT
PLAN VIEW AT FENCE SLEEEVE
NTS



DETAIL B - FENCE POST SLEEVE
NTS



TYPICAL RETAINING WALL DETAIL 1
REDUCED GRAVEL - WITH FENCE POST
(1) 4:1 MAX TOP SLOPE
10:1 MAX BOTTOM SLOPE



RELEASED FOR CONSTRUCTION
NO RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, BY REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.
CITY
DATE 4/12/24

TYPICAL RETAINING WALL DETAIL 2
REDUCED GRAVEL - WITH FENCE POST
8:1 MAX TOP SLOPE
10:1 MAX BOTTOM SLOPE

CONSTRUCTION DIMENSION SCHEDULE - WALL DETAIL 1 (FENCE AND NO SURCHARGE LOAD) 3:1 TOP SLOPE

	WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	WALL BATTER A	MORTAR ZONE MZ	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G
WALL SCHEDULE - DETAIL 1	1'-O"	1'-1"	0'-0"	1'-0"	0'-1"	1:6	FULL MORTAR	1' - 1"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 1	2'-O"	1'-9"	0'-0"	1'-6"	0'-0"	1:6	FULL MORTAR	1' - 9"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 1	3'-O"	2'-2"	0'-0"	1'-9"	0'-0"	1:6	FULL MORTAR	2' - 2"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 1	4'-O"	3'-3"	0'-0"	2'-0"	0'-0"	1:6	FULL MORTAR	3' - 3"	POCKET - DETAIL A

CONSTRUCTION DIMENSION SCHEDULE - WALL DETAIL 2 (FENCE AND NO SURCHARGE LOAD) 8:1 TOP SLOPE

	WALL HEIGHT H	BASE WIDTH B	TOE B1	BASE DEPTH (TOE) C	BASE DEPTH (HEEL) C1	WALL BATTER A	MORTAR ZONE MZ	THICKNESS OF WALL T	DRAINAGE ZONE THICKNESS G
WALL SCHEDULE - DETAIL 2	1'-O"	1'-0"	0'-0"	1'-0"	0'-1"	1:6	FULL MORTAR	1' - 0"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 2	2'-O"	1'-6"	0'-0"	1'-6"	0'-0"	1:6	FULL MORTAR	1' - 6"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 2	3'-O"	1'-11"	0'-0"	1'-9"	0'-0"	1:6	FULL MORTAR	1' - 11"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 2	4'-O"	2'-10"	0'-0"	2'-0"	0'-0"	1:6	FULL MORTAR	2' - 10"	POCKET - DETAIL A
WALL SCHEDULE - DETAIL 2	5'-O"	3'-9"	0'-0"	2'-0"	0'-0"	1:6	FULL MORTAR	3' - 9"	12"
WALL SCHEDULE - DETAIL 2	5'-6"	4'-4"	0'-0"	2'-0"	0'-0"	1:6	FULL MORTAR	4' - 4"	12"

RPMx CONSTRUCTION
6500 MEYER WAY
MCKINNEY, TX 75069
WWW.RPMXCONSTRUCTION.COM

RPMx Construction, LLC

STATE OF TEXAS
SCOTT MICHAEL MCMAHON
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LICENSED PROFESSIONAL ENGINEER

RETAINING WALL PLANS, DETAILS & NOTES

SPR DISTRIBUTION CENTER

FINAL IMPROVEMENT PLANS

DATE	DESCRIPTION
02 07 2024	IFC
03 05 2024	REVISION (1)
04 04 2024	REVISION (2)

Texas 811 — Know what's below. Call before you dig.

CHECKED BY: SMM

DRAWN BY: SMM

TITLE: RETAINING WALL DETAILS AND NOTES

SHEET No. 1 of 01

PROJECT No. 2024-035

Plotted: 04/04/24 - 2:52 PM, By: ScottMcMahon
File: C:\Users\ScottMcMahon\OneDrive - North Texas Natural Select Fill Material, LLC\RPMx - WALLS\035 - SPR Distribution\SPR Wall Notes & Details 02 07 2024.dwg, --> 24x36