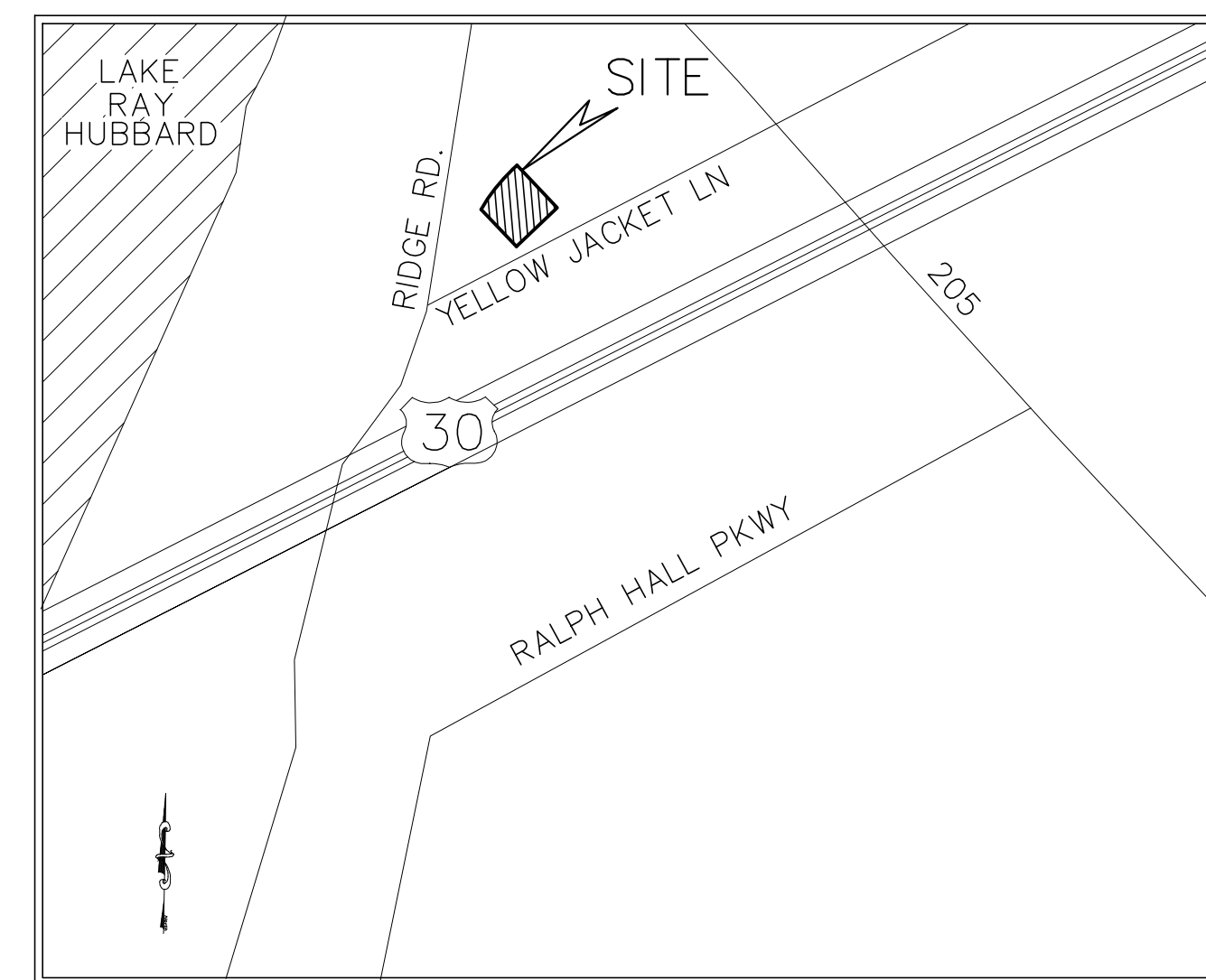


SITE IMPROVEMENT PLANS
 for
EVERYBODY MASSAGE
 2001 RIDGE ROAD
 0.48 ACRES
 City of Rockwall
 Rockwall County, Texas

INDEX



Location Map

SHEET NO.	DESCRIPTION
C100	Cover Sheet Plat
C101	Site Plan
C102	Drainage Area Map
C103	Grading & Drainage Plan
C103A	Pond Details
C104	Erosion Control Plan
D101	Site Details

OWNER:

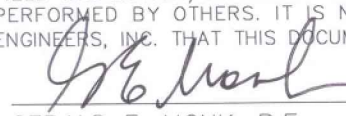
SUSAN GAMEZ
 602 Laurence Dr.
 Heath, TX 75032

ENGINEER:

MONK CONSULTING ENGINEERS, INC.

GERALD E. MONK, P.E.

1200 W. State Street ~ Garland Texas 75040 972) 272-1763 Fax 972) 272-8761
 jerry@monkconsulting.com
 REG. NO.: F-2567

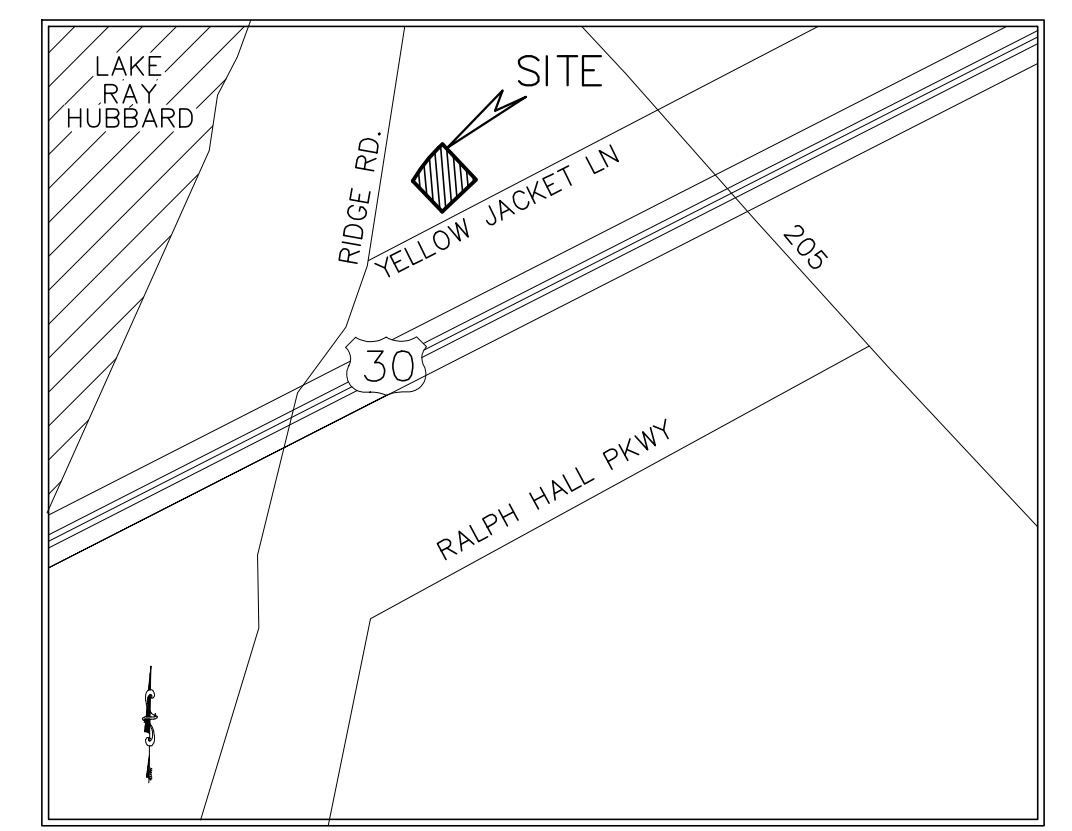
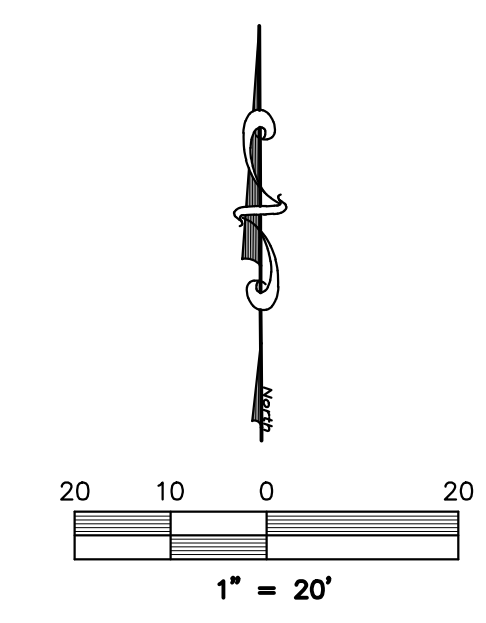
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 GERALD E. MONK, P.E.

CASE # _____
 SUBMITTAL DATE:

1 st	
2 nd	



NO.	REVISIONS/CORRECTIONS DESCRIPTION	REVISE(R) ADD(A) SHT. #S	DATED



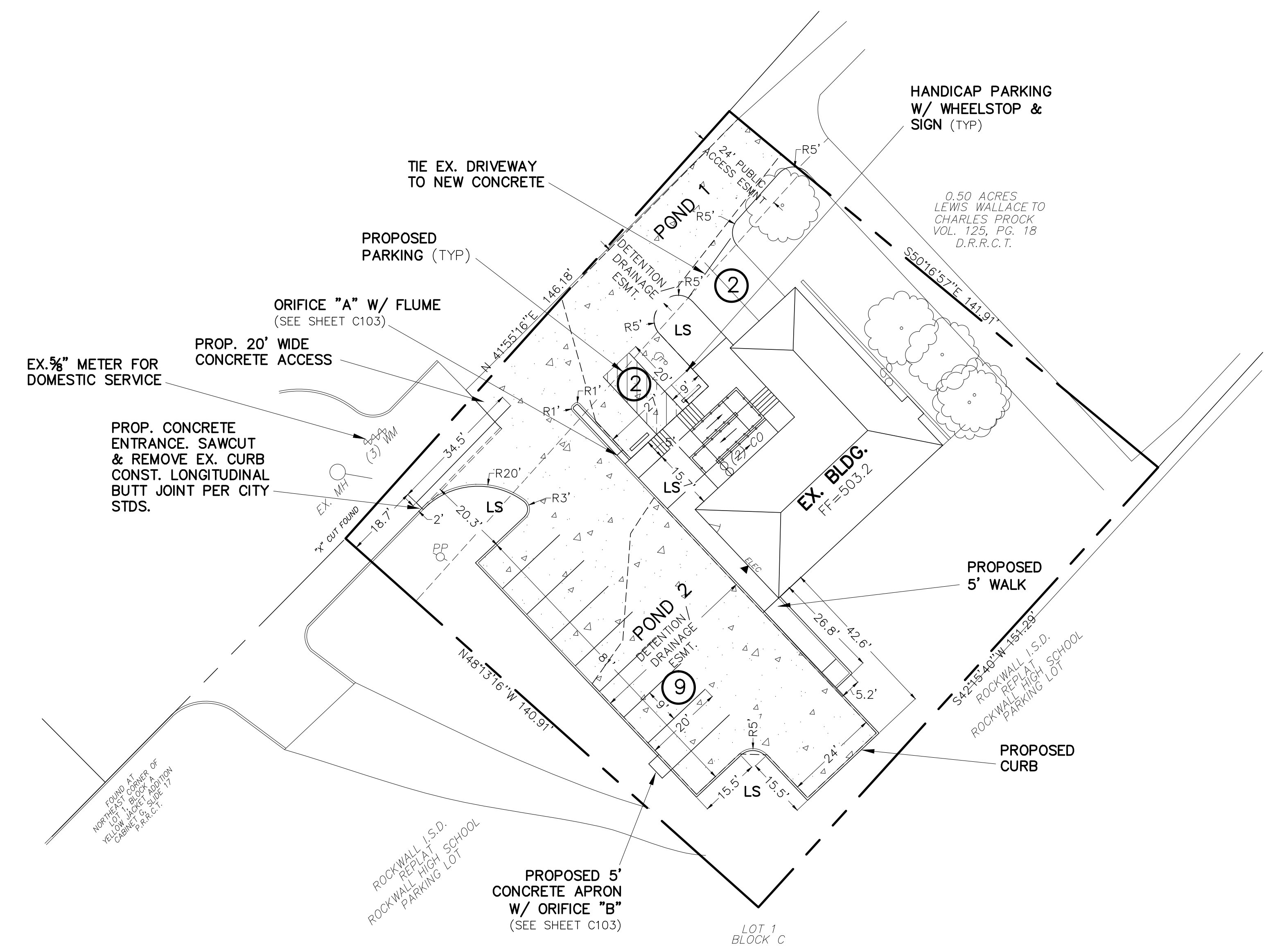
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- (S) = EX. STORM MANHOLE
- FH = EX. FIRE HYDRANT
- [Pattern] = PROPOSED CONCRETE

SITE DATA:

LOT AREA:
0.48 Acres, 20,908.8 Sq. Ft.
EX. BUILDING AREA:
2,293 sq.ft.
PROPOSED USE:
Massage
IMPERVIOUS AREA
(including buildings):
12,216.8 sq.ft.
PARKING:
Required: (1 space/300) = 8
Provided:
Standard= 12
Handicapped = 1
Total Provided = 13
LANDSCAPE AREA:
Required: (10%) 2,099 sq.ft.
Provided: 8,692 sq.ft.



NOTES:

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PAVING NOTES:

- 1) APPROACHES TO BE 6" THICK, 3600 psi, 6.5 SACK MIX, REINFORCED WITH #3 BARS @ 18" ON CENTER. (O.C.)
- 2) ALL NON-FIRELANE PAVING CAN BE 6" THICK, 3000 psi, 6 SACK MIX, REINFORCED WITH #4 BARS @ 18" O.C.
- 3) ALL FILL (IF REQUIRED) SHALL BE PLACED ON 8" LIFTS AND COMPACTED TO 95% OF STD. PROCTOR @ MOISTURE RANGE OF 0% TO +6% OF OPTIMUM MOISTURE. (UNLESS OTHERWISE NOTED) USING A SHEEPS-FOOT ROLLER.
- 4) SIDEWALK TO BE 4" THICK CONCRETE, 3000 psi, 5.5 SACK MIX IN R.O.W.
- 5) NO SAND UNDER PAVING.

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GENERAL NOTES

1. Buildings 5,000 square feet or greater shall be sprinkled. Alternative fire protective measures may be approved by the Building Inspector and Fire Department.
2. Fire lanes shall be designed and constructed per city standards.
3. Handicapped parking areas shall be designed and provided per city standards and shall comply with requirements of the current adopted Uniform Building Code.
4. Mechanical units, dumpster and trash compactors shall be screened in accordance with the Zoning Ordinance.
5. All signage contingent upon Building Inspection Department.
6. Approval of the site plan is not final until all engineering plans are approved.
7. Open storage, where permitted, shall be screened in accordance with the Zoning Ordinance.
8. Please contact the Building Inspection Department to determine the type of construction and occupancy group.
9. All electrical transmission, distribution and service lines must be underground.



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G. E. Monk
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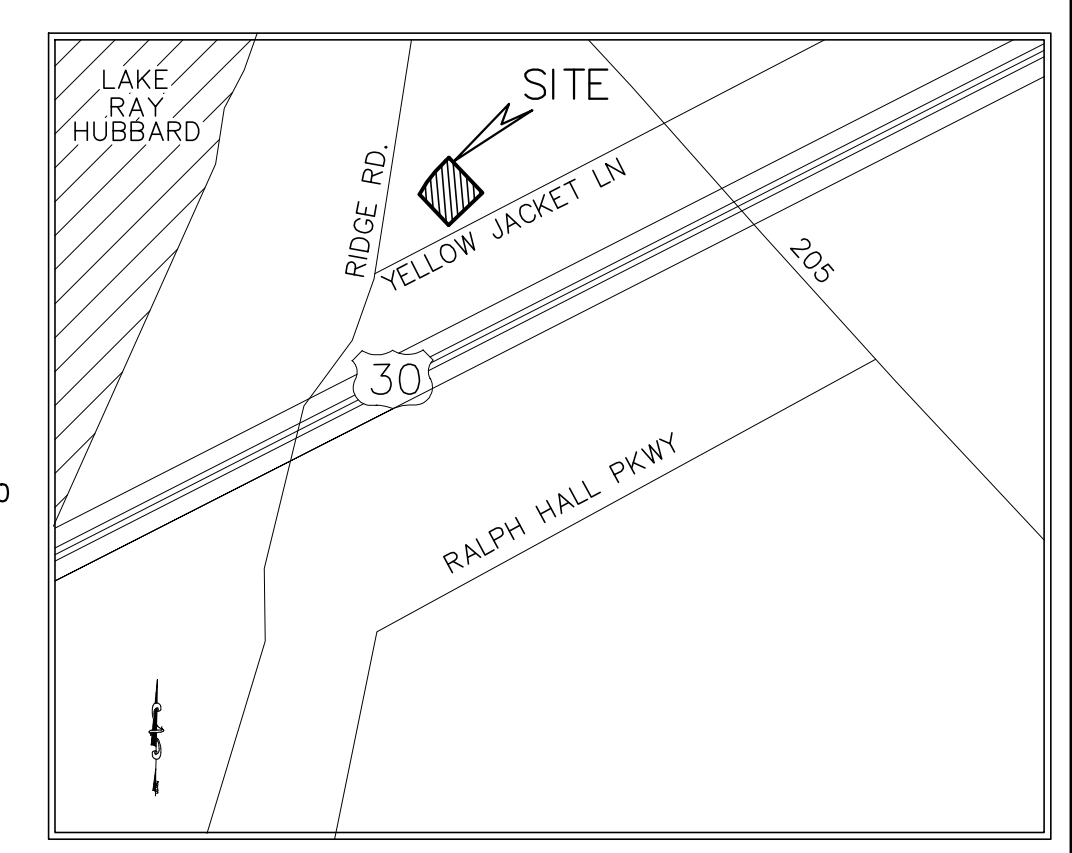
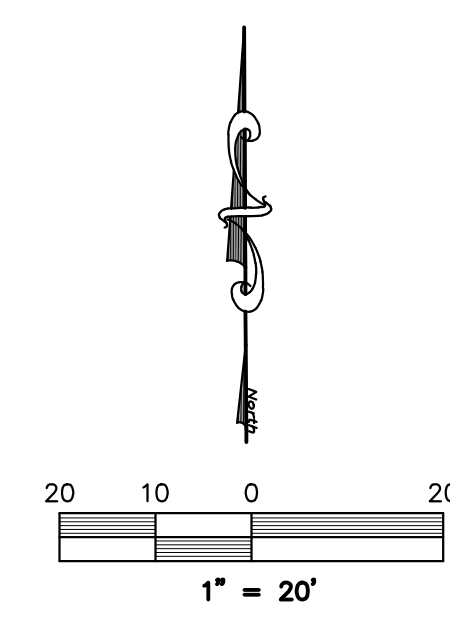
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REVISIONS

CASE #:

SITE PLAN		
EVERYBODY MESSAGE		
2001 Ridge Road 0.48 Acres City of Rockwall, Rockwall County, Texas 75087		
developer SUSAN GAMEZ 602 Laurence Dr. Heath, TX 75032		
prepared by MONK CONSULTING ENGINEERS, INC. 1200 W. State Street, Garland Texas 75040 972.272-1763 Fax 972.272-8761		
PROJECT NO.: 2017-11	REG. NO.: F-2567	
date: 10/17/17	scale: 1" = 20'	sheet: C101



LOCATION MAP
(NOT TO SCALE)

LEGEND

- = PROPERTY LINE
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- = PROPOSED CONTOURS
- x 563.00 TC or x 562.50 = PROPOSED SPOT GRADES
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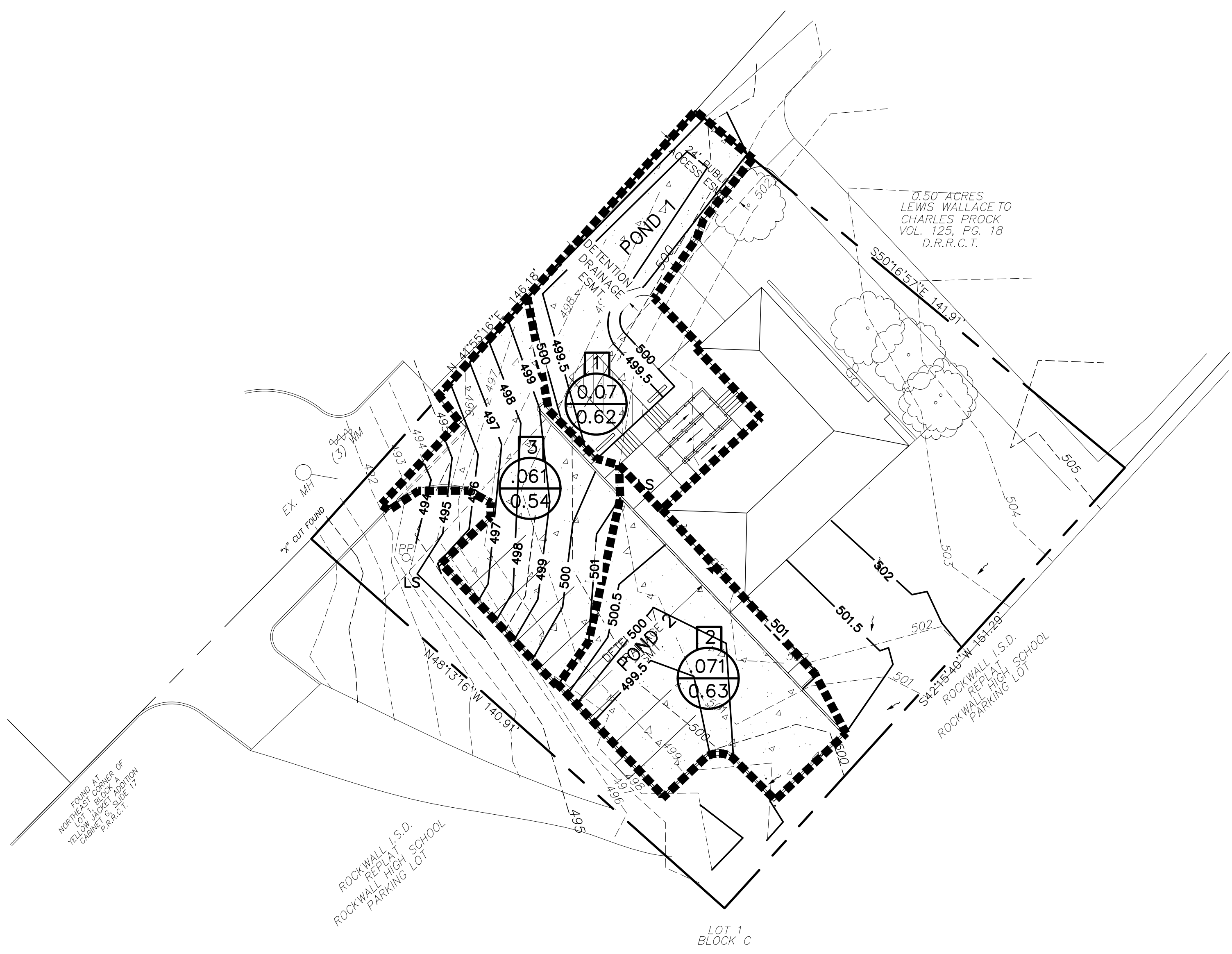
DRAINAGE AREAS BASE ON NEW CONCRETE AREA ONLY: .202 ACRES

PRE DEVELOPMENT RUNOFF DESIGN CALCULATIONS

Area No.	Design Storm Frequency (yrs)	AREA RUNOFF					Remarks	
		Time of Conc. (min)	Intensity In./hr "I"	Runoff Coeff. "C"	Area Ac.	Q (c.f.s.)		
1	2	3	4	5	6	7	8	9
1	100	10	9.8	0.50	0.202	0.99		

POST DEVELOPMENT RUNOFF DESIGN CALCULATIONS

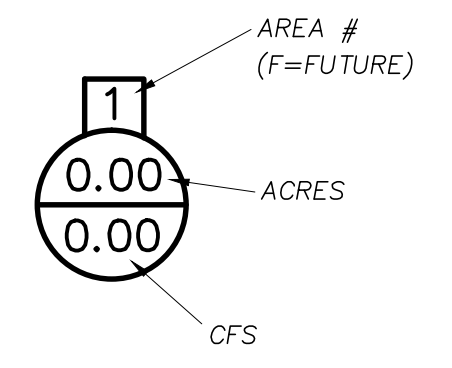
Area No.	Design Storm Frequency (yrs)	AREA RUNOFF					Remarks	
		Time of Conc. (min)	Intensity In./hr "I"	Runoff Coeff. "C"	Area Ac.	Q (c.f.s.)		
1	2	3	4	5	6	7	8	9
1	100	10	9.8	0.9	0.07	0.62		POND 1
2	100	10	9.8	0.9	0.071	0.63		POND 2
3	100	10	9.8	0.9	0.061	0.54		BY PASS



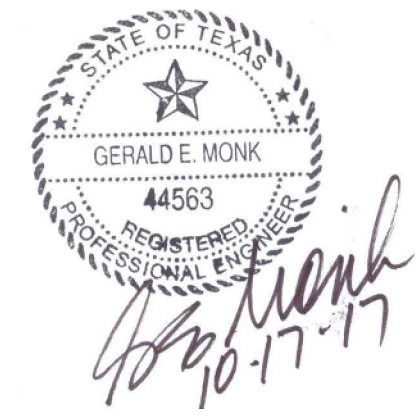
NOTICE TO CONTRACTORS OF NEAREST CORNER OF NEIGHBORING PLAT TO BE USED FOR THE PLAT OF THIS SITE.

ROCKWALL I.S.D. ROCKWALL REPUBLIC SCHOOL ROCKWALL HIGH SCHOOL ROCKWALL REFUGEE PARKING LOT

LOT 1 BLOCK C



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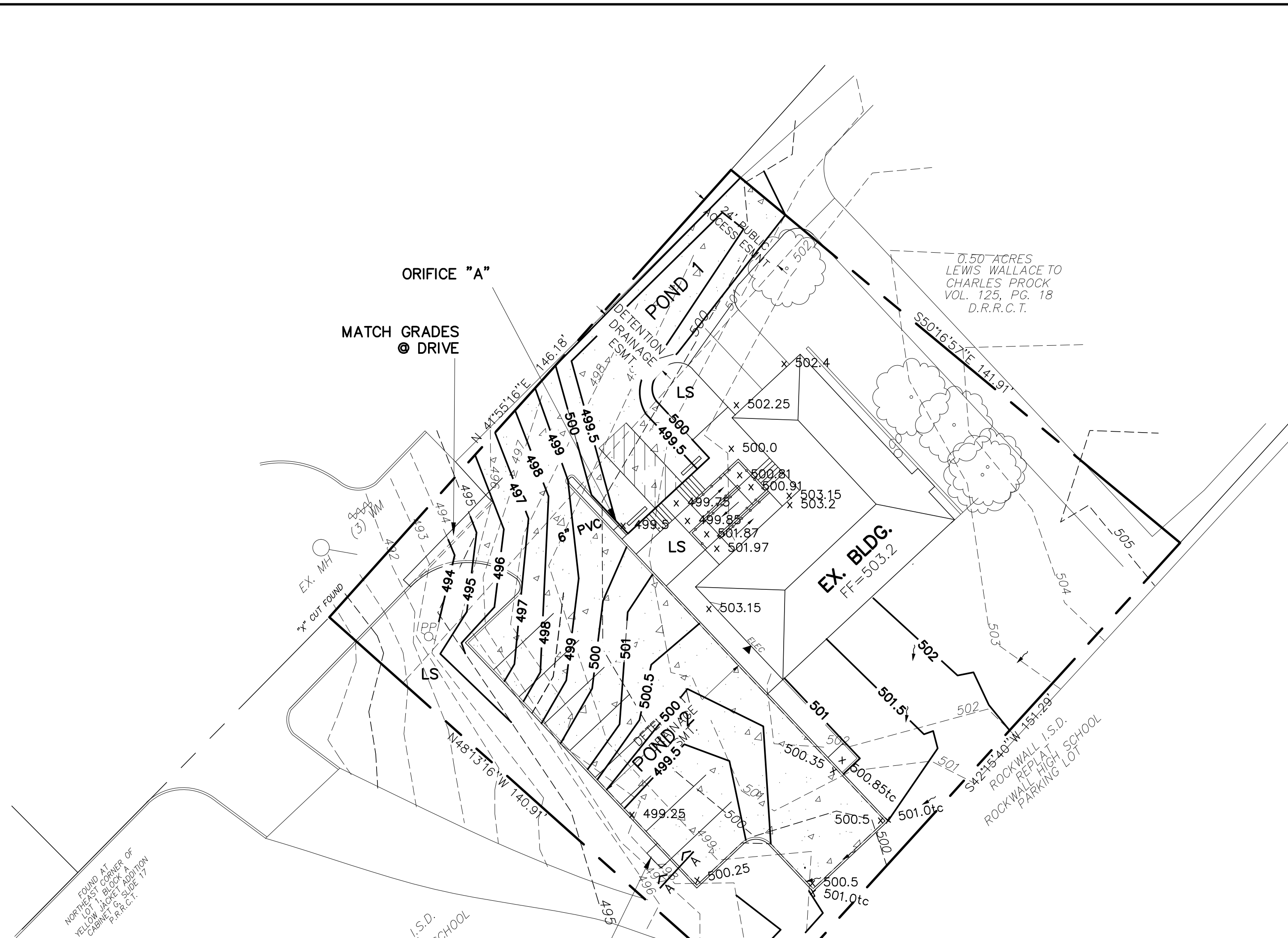
DRAINAGE AREA MAP
EVERYBODY MESSAGE

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City of Rockwall, Rockwall County, Texas 75087

developed by
SUSAN GAMEZ
602 Laurence Dr.
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prepared by
MONK CONSULTING ENGINEERS, INC.
1200 W. State Street, Garland Texas 75040
972 272-1763 Fax 972 272-8761

PROJECT NO.: 2017-11 REG NO.: F-2567
date: 10/17/17 scale: 1" = 20' sheet: **C102**



Pond Report

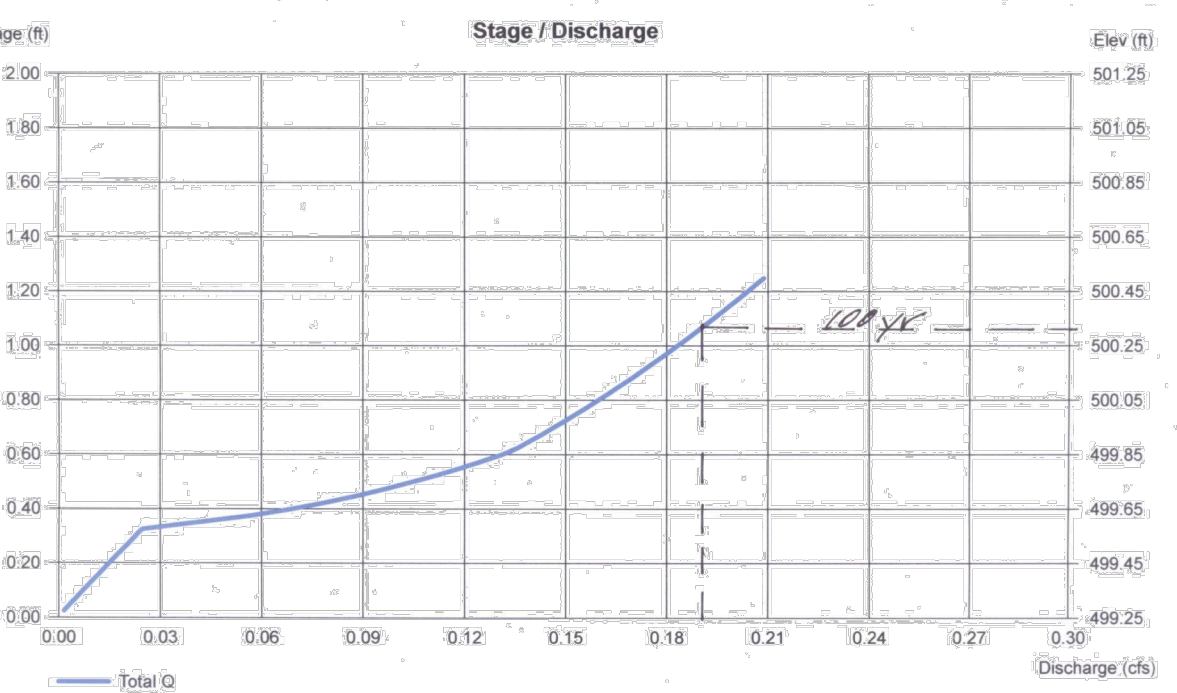
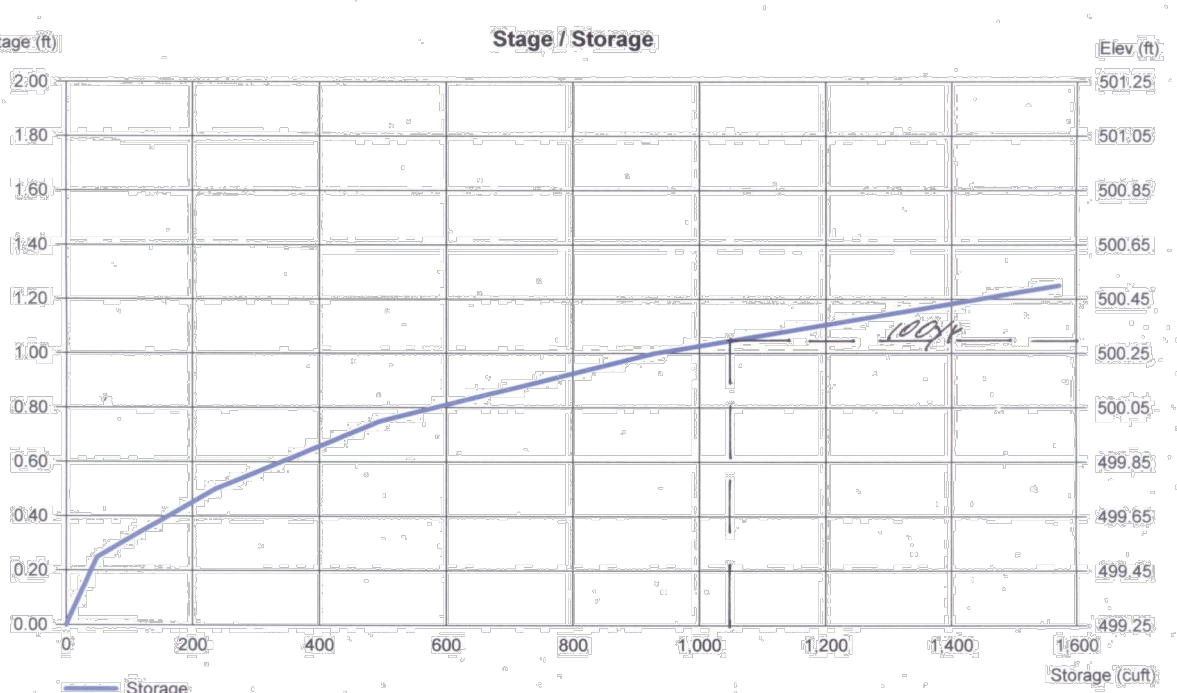
Hydroflow Hydrographs by Intelsolve v9.01 Tuesday, Oct 17, 2017

Pond No. 4 - Revised Pond 2

Pond Data
Contours - User-defined contour areas. Conc method used for volume calculation. Beginning Elevation = 499.25 ft

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	499.25	00	0	0
0.25	499.50	591	49	49
0.50	499.75	900	187	237
0.75	499.99	1,149	258	495
1.00	500.25	2,395	434	929
1.25	500.50	2,758	644	1,572

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	499.25	00	0	0
0.10	499.35	1,000	33	33
0.25	499.50	1,150	161	194
0.50	499.75	1,550	336	531
0.75	500.00	1,950	424	955
1.00	500.25	1,850	482	1,418



Pond Report

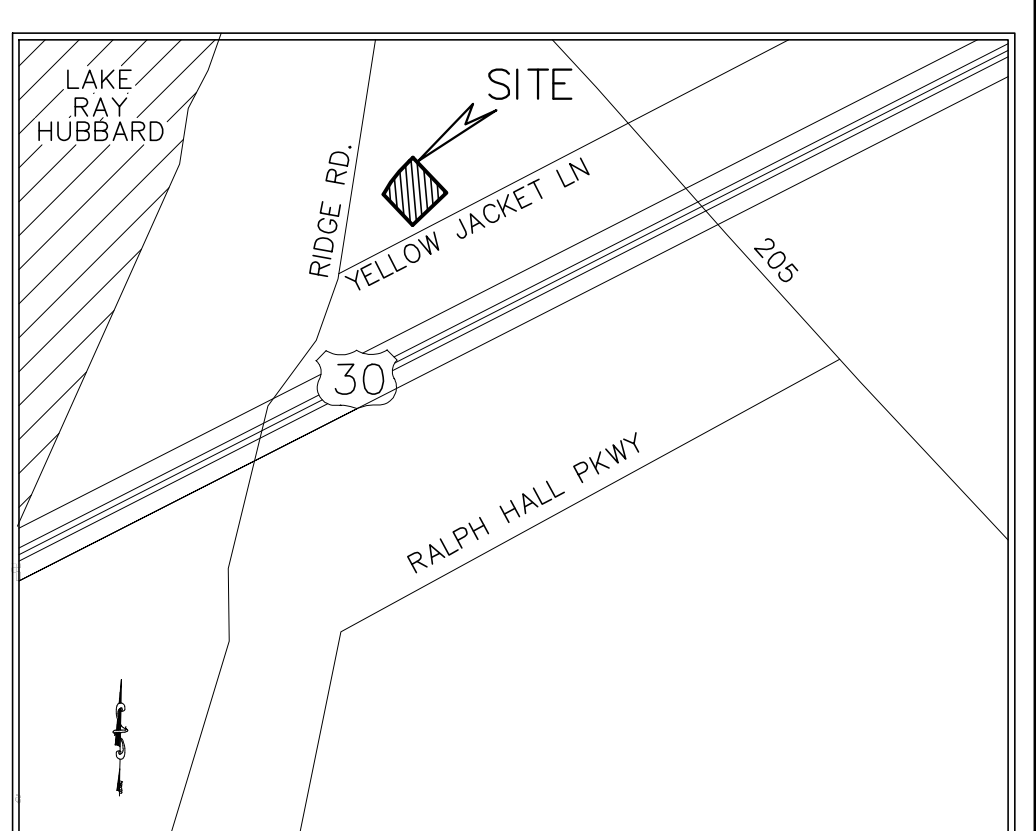
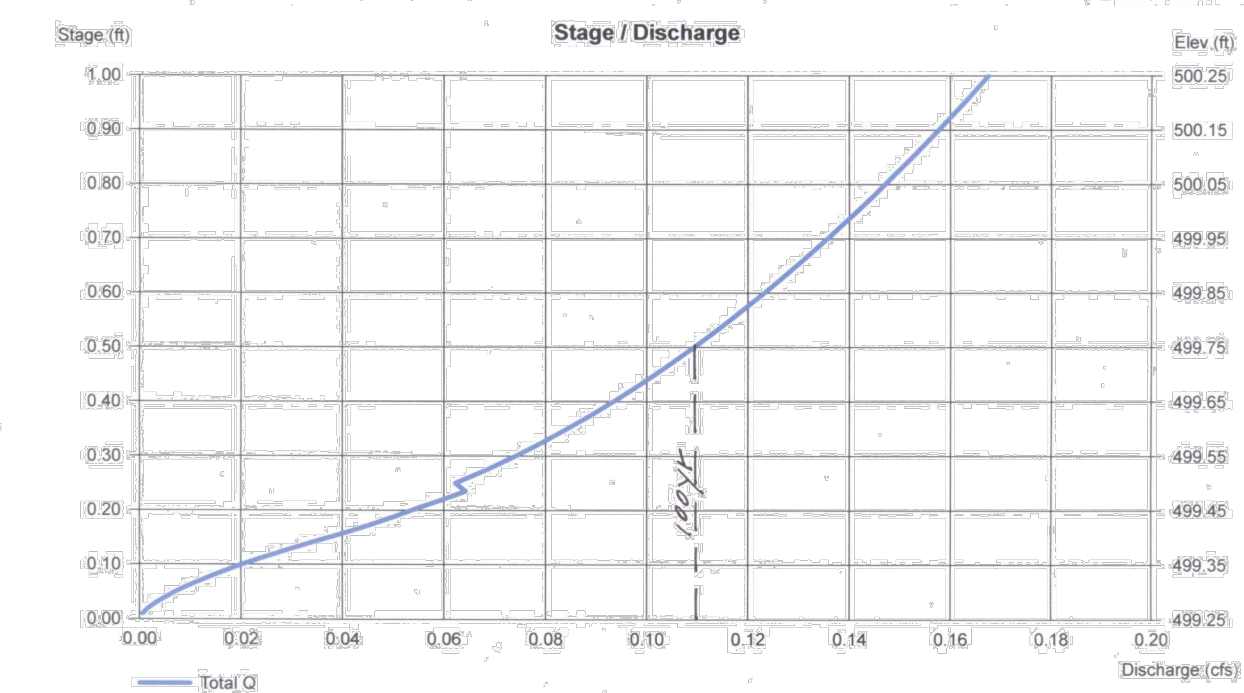
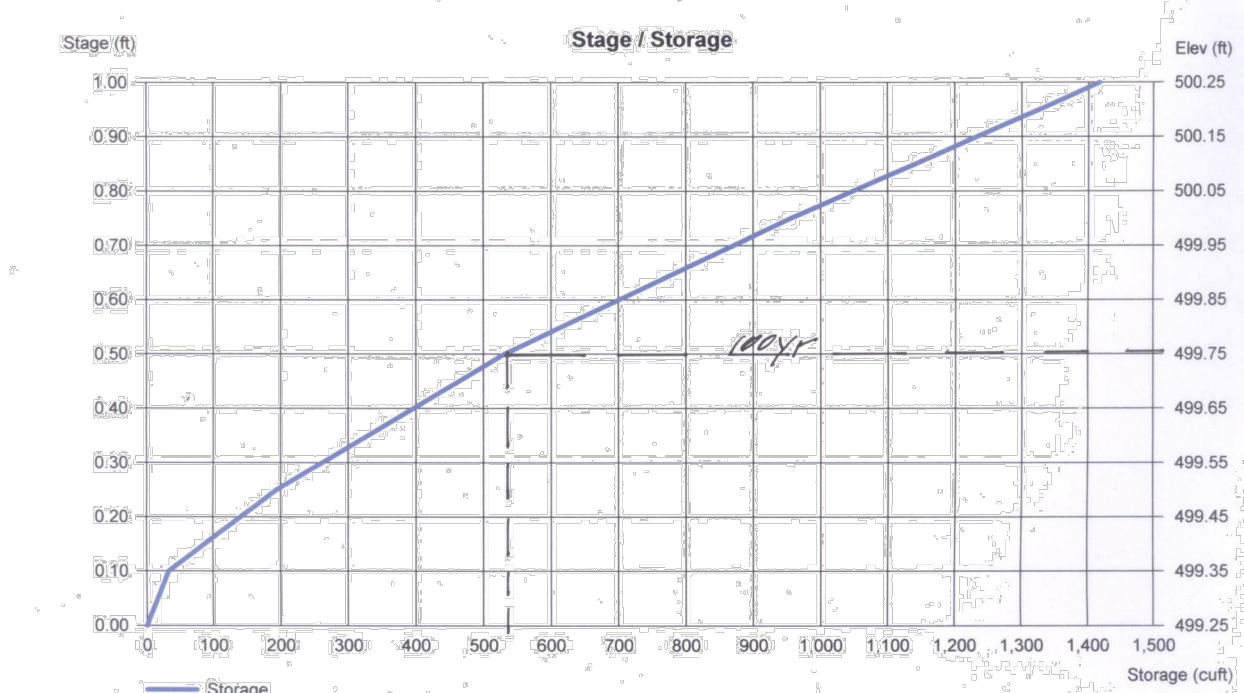
Hydroflow Hydrographs by Intelsolve v9.01 Tuesday, Oct 17, 2017

Pond No. 1 - Everybody Massage

Pond Data
Contours - User-defined contour areas. Conc method used for volume calculation. Beginning Elevation = 499.25 ft

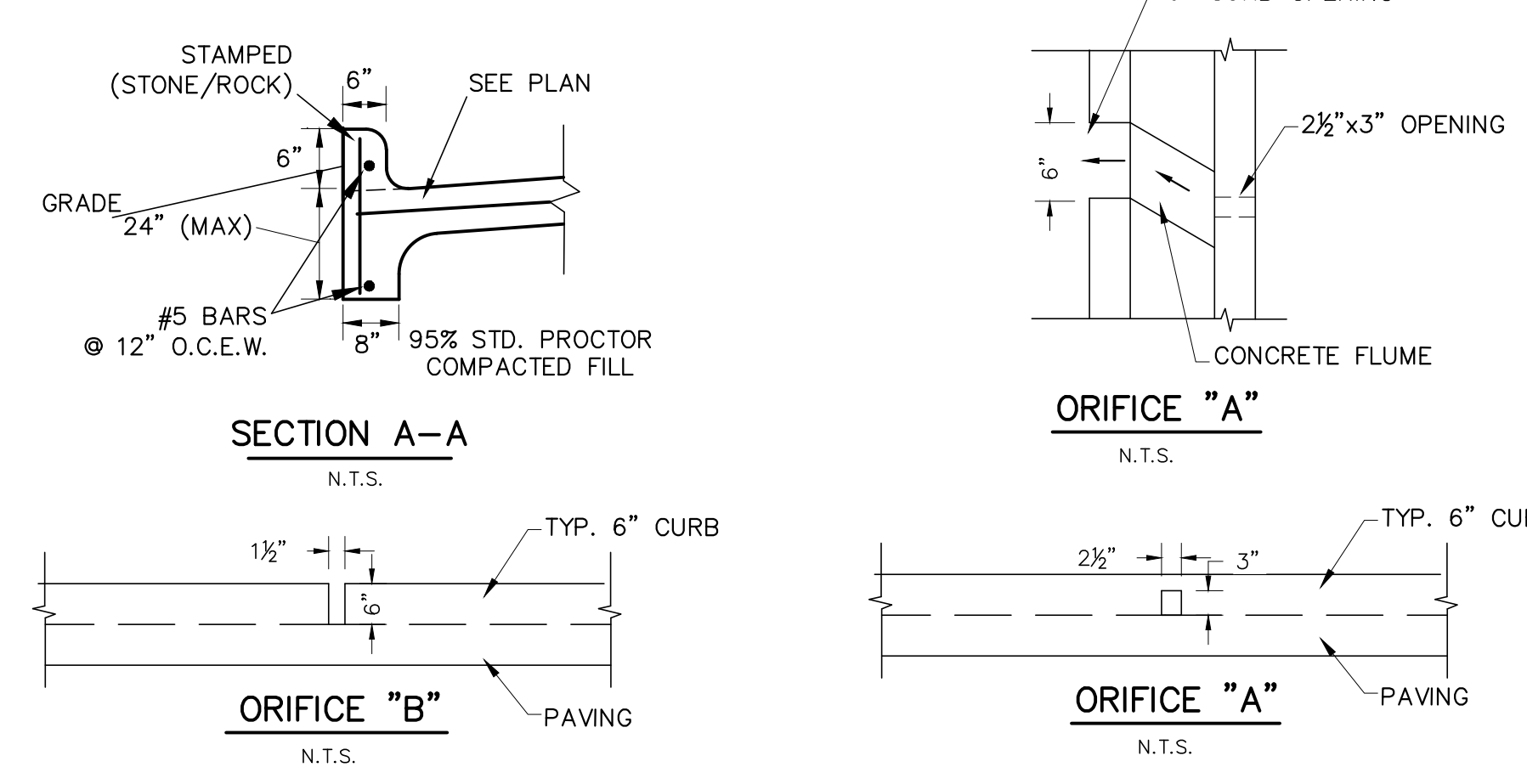
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1200 W. State Street, Garland Texas 75040
972 272-1763 Fax 972 272-8761

PROJECT NO.: 2017-11 REG NO.: F-2567
date: 10/17/17 scale: 1" = 20' sheet: **C103**

REVISIONS

9/8/17

Overall Detention Pond Modified Rational				New Concrete Area Only			
Present Conditions				25 Year			
Q=CiA	By-Pass Acreage	New Acreage		By-Pass Acreage	New Acreage		
A= 0.202	0.061	0.14		0.06	0.141		
C= 0.50							
Tc= 20.00							
I100= 8.30	By-Pass Q cfs	New Allowable CFS		By-Pass Q cfs	New Allowable CFS		
Q100= 0.84	0.538	0.30		0.17	0.403		
Future Conditions				25 Year			
A= 0.14							
C= 0.90							
Tc= 10.00							
I100= 9.80							
Q100= 1.24							
Flow for Storm Duration				25 Year			
Time	I	C	Q (cfs)	Time	I	C	Q (cfs)
10 min	9.80	0.90	1.244	10 min	9.80	0.90	0.405
15 min	9.00	0.90	1.142	15 min	9.00	0.90	0.374
20 min	8.30	0.90	1.053	20 min	8.30	0.90	0.311
30 min	6.90	0.90	0.876	30 min	6.90	0.90	0.261
40 min	5.80	0.90	0.736	40 min	5.80	0.90	0.225
50 min	5.00	0.90	0.635	50 min	5.00	0.90	0.203
60 min	4.50	0.90	0.571	60 min	4.50	0.90	0.180
70 min	4.00	0.90	0.508	70 min	4.00	0.90	0.167
80 min	3.70	0.90	0.470	80 min	3.70	0.90	0.158
90 min	3.50	0.90	0.444	90 min	3.50	0.90	0.153
100 min	3.40	0.90	0.431	100 min	3.40	0.90	0.144
110 min	3.20	0.90	0.406	110 min	3.20	0.90	0.135
120 min	3.00	0.90	0.381	120 min	3.00	0.90	0.135
Storage Calculations				25 Year			
10 min	Inflow	Storage	CF	10 min	Inflow	Storage	CF
746		566		265		196	
180				68			
15 min	Inflow	Storage	CF	15 min	Inflow	Storage	CF
1,028		803		365		279	
225				86			
20 min	Inflow	Storage	CF	20 min	Inflow	Storage	CF
1,264		994		448		346	
270				103			
30 min	Inflow	Storage	CF	30 min	Inflow	Storage	CF
1,576		1,216		559		422	
360				137			
40 min	Inflow	Storage	CF	40 min	Inflow	Storage	CF
1,766		1,316		626		455	
450				171			
50 min	Inflow	Storage	CF	50 min	Inflow	Storage	CF
1,904		1,363		675		470	
541				205			
60 min	Inflow	Storage	CF	60 min	Inflow	Storage	CF
2,056		1,425		729		489	
631				240			
70 min	Inflow	Storage	CF	70 min	Inflow	Storage	CF
2,132		1,411		756		482	
721				274			
80 min	Inflow	Storage	CF	80 min	Inflow	Storage	CF
2,254		1,443		799		491	
811				308			
90 min	Inflow	Storage	CF	90 min	Inflow	Storage	CF
2,398		1,498		851		508	
901				342			
100 min	Inflow	Storage	CF	100 min	Inflow	Storage	CF
2,589		1,598		918		541	
991				377			
110 min	Inflow	Storage	CF	110 min	Inflow	Storage	CF
2,680		1,599		950		540	
1,081				411			
120 min	Inflow	Storage	CF	120 min	Inflow	Storage	CF
2,741		1,570		972		527	
1,171				445			

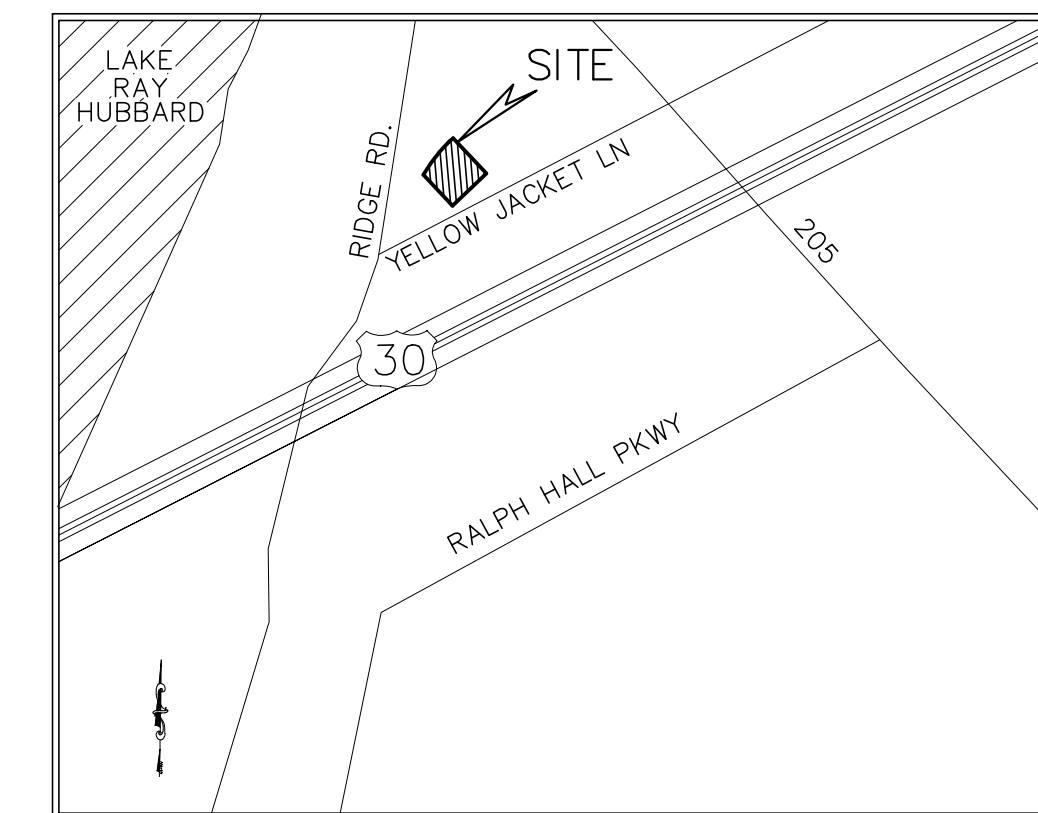
TOTAL STORAGE/SITE

POND 1 - 541 CF STORAGE

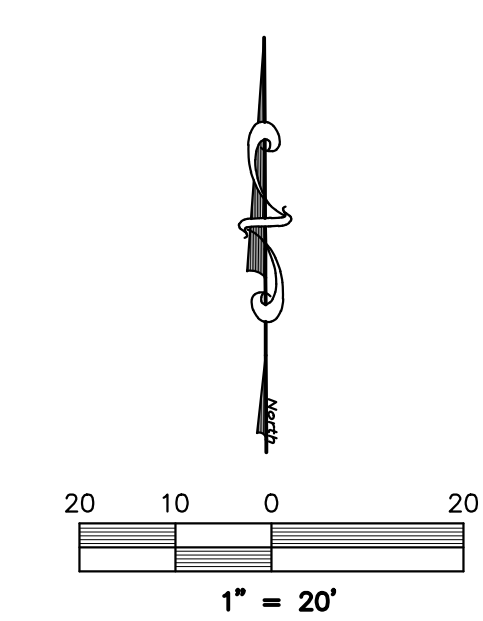
POND 2 - 1059 CF STORAGE

Overall Detention Pond Modified Rational				New Concrete Area Only			
Present Conditions				25 Year			
Q=CiA	By-Pass Acreage	New Acreage		By-Pass Acreage	New Acreage		
A= 0.070	0.020	0.050		0.02	0.050		
C= 0.50							
Tc= 20.00							
I100= 8.30	By-Pass Q cfs	New Allowable CFS		By-Pass Q cfs	New Allowable CFS		
Q100= 0.29	0.176	0.11		0.06	0.14		
Future Conditions				25 Year			
A= 0.05							
C= 0.90							
Tc= 10.00							
I100= 9.80							
Q100= 0.44							
Flow for Storm Duration				25 Year			
Time	I	C	Q (cfs)	Time	I	C	Q (cfs)
10 min	9.80	0.90	0.441	10 min	9.80	0.90	0.803
15 min	9.00	0.90	0.405	15 min	9.00	0.90	0.737
20 min	8.30	0.90	0.374	20 min	8.30	0.90	0.680
30 min	6.90	0.90	0.311	30 min	6.90	0.90	0.565
40 min	5.80	0.90	0.261	40 min	5.80	0.90	0.475
50 min	5.00	0.90	0.225	50 min	5.00	0.90	0.410
60 min	4.50	0.90	0.203	60 min	4.50	0.90	0.369
70 min	4.00	0.90	0.180	70 min	4.00	0.90	0.328
80 min	3.70	0.90	0.167	80 min	3.70	0.90	0.303
90 min	3.50	0.90	0.158	90 min	3.50	0.90	0.287
100 min	3.40	0.90	0.153	100 min	3.40	0.90	0.278
110 min	3.20	0.90	0.144	110 min	3.20	0.90	0.262
120 min	3.00	0.90	0.135	120 min	3.00	0.90	0.246
Storage Calculations				25 Year			
10 min	Inflow	Storage	CF	10 min	Inflow	Storage	CF
265		196		482		370	
68				112			
15 min	Inflow	Storage	CF	15 min	Inflow	Storage	CF
365		279		663		524	
86				140			
20 min	Inflow	Storage	CF	20 min	Inflow	Storage	CF
448		346		816		648	
103				168			
30 min	Inflow	Storage	CF	30 min	Inflow	Storage	CF
559		422		1,017		794	
137				223			
40 min	Inflow	Storage	CF	40 min	Inflow	Storage	CF
626		455		1,140		861	
171				279			
50 min	Inflow	Storage	CF	50 min	Inflow	Storage	CF
675		470		1,229		893	
205				335			
60 min	Inflow	Storage	CF	60 min	Inflow	Storage	CF
729		489		1,327		936	
240				391			
70 min	Inflow	Storage	CF	70 min	Inflow	Storage	CF
756		482		1,376		929	
274				447			
80 min	Inflow	Storage	CF	80 min	Inflow	Storage	CF
799		491		1,455		952	
308				503			
90 min	Inflow	Storage	CF	90 min	Inflow	Storage	CF
851		508		1,546		989	
342				559			
100 min	Inflow	Storage	CF	100 min	Inflow	Storage	CF
918		541		1,671		1,056	
377				614			
110 min	Inflow	Storage	CF	110 min	Inflow	Storage	CF
950		540		1,730		1,059	
411				670			
120 min	Inflow	Storage	CF	120 min	Inflow	Storage	CF
972		527		1,769		1,043	
445				726			

Overall Detention Pond Modified Rational				New Concrete Area Only			
Present Conditions				25 Year			
Q=CiA	By-Pass Acreage	New Acreage		By-Pass Acreage	New Acreage		
A= 0.132	0.041	0.09		0.02	0.050		
C= 0.50							
Tc= 20.00							
I100= 8.30	By-Pass Q cfs	New Allowable CFS		By-Pass Q cfs	New Allowable CFS		
Q100= 0.55	0.362	0.19		0.06	0.14		
Future Conditions				25 Year			
A= 0.09							
C= 0.90							
Tc= 10.00							
I100= 9.80							
Q100= 0.80							
Flow for Storm Duration				25 Year			
Time	I	C	Q (cfs)	Time	I	C	Q (cfs)
10 min	9.80	0.90	0.803	10 min	9.80	0.90	0.441
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70 min	4.00	0.90	0.328	70 min	4.00	0.90	0.180
80 min	3.70	0.90	0.303	80 min	3.70	0.90	0.167
90 min	3.50	0.90	0.287	90 min	3.50	0.90	0.158
100 min	3.40	0.90	0.278	100 min	3.40	0.90	0.153
110 min	3.20	0.90	0.262	110 min	3.20	0.90	0.144
120 min	3.00	0.90	0.246	120 min	3.00	0.90	0.135
Storage Calculations				25 Year			
10 min	Inflow	Storage	CF	10 min	Inflow	Storage	CF
482		370		265		196	
112				68			
15 min	Inflow	Storage	CF	15 min	Inflow	Storage	CF
663		524		365		279	
140				86			
20 min	Inflow	Storage	CF	20 min	Inflow	Storage	CF
816		648		448		346	
168				103			
30 min	Inflow	Storage	CF	30 min	Inflow	Storage	CF
1,017		794		559		422	
223				137			
40 min	Inflow	Storage	CF	40 min	Inflow	Storage	CF
1,140		861		626		455	
279				171			
50 min	Inflow	Storage	CF	50 min	Inflow	Storage	CF
1,229		893		675		470	
335				205			
60 min	Inflow	Storage	CF	60 min	Inflow	Storage	CF

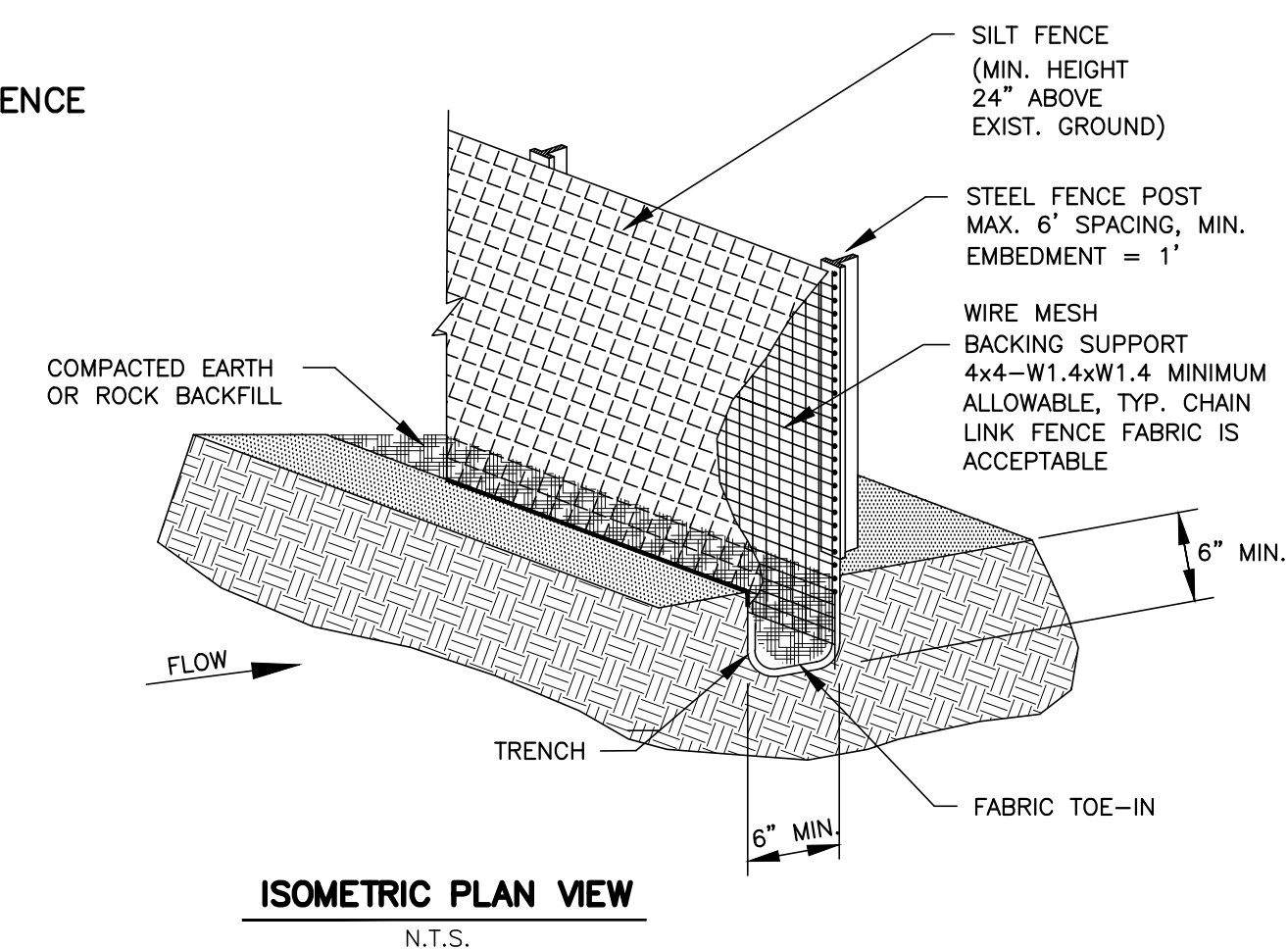
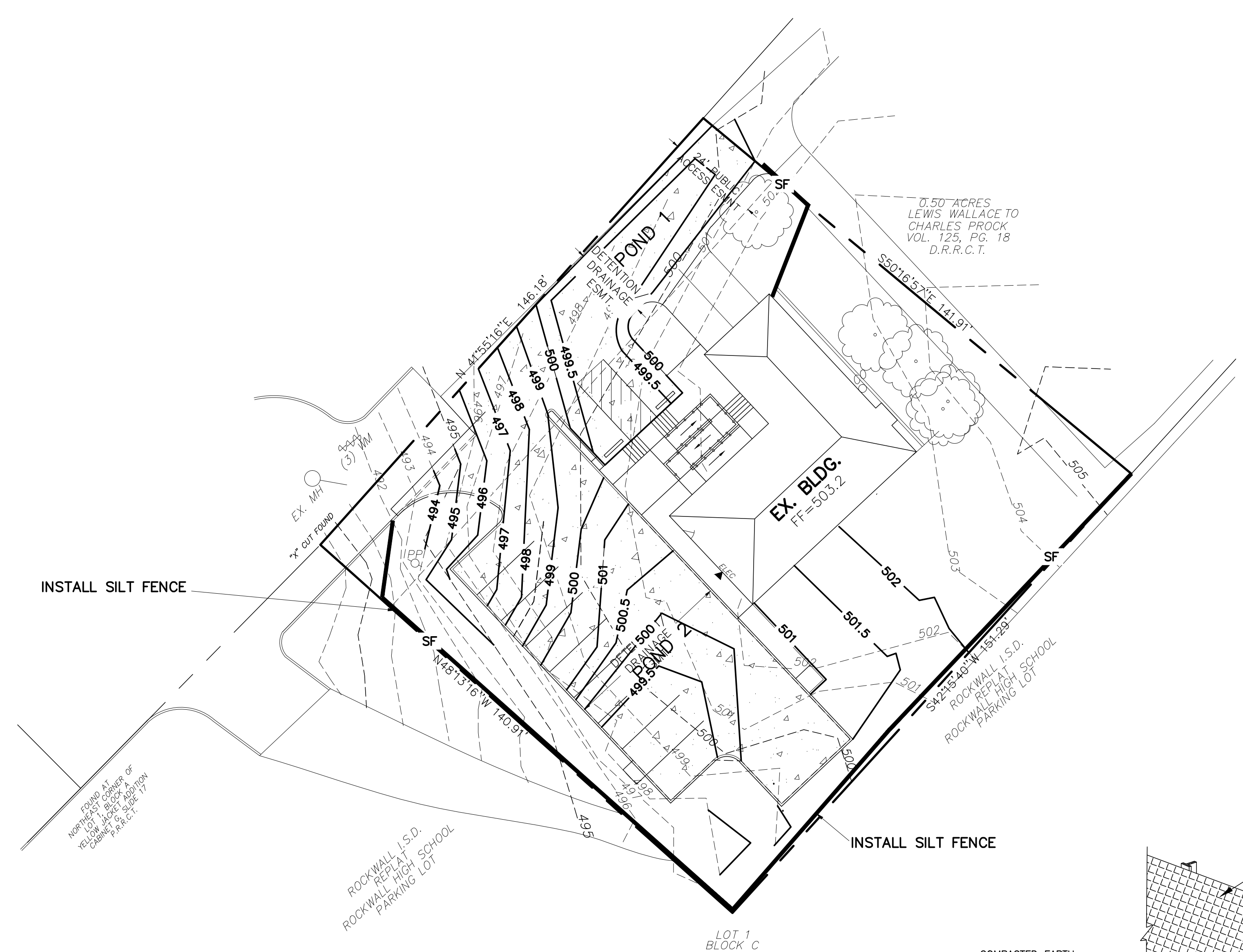


LOCATION MAP
(NOT TO SCALE)



LEGEND

- = PROPERTY LINE
- SF** = PROPOSED SILT FENCE
- EXIST. or EX. = EXISTING
- ESMNT. = EASEMENT
- LS = LANDSCAPE
- EX. W — = EX. WATER LINE
- EX. SS — = EX. SANITARY SEWER LINE
- ∞ WV = EX. WATER VALVE
- ⊙ PP = EX. POWER POLE
- ⊙ FH = EX. FIRE HYDRANT
- [Pattern] = PROPOSED CONCRETE



ISOMETRIC PLAN VIEW
N.T.S.

SILT FENCE

SILT FENCE GENERAL NOTES:

1. STEEL 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 STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
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.

EROSION CONTROL PHASES:

- PHASE 1 Insall initial erosion control devices
- PHASE 2 Clearing & grubbing, demolition & rough grading
- PHASE 3 Install underground utilities
- PHASE 4 Paving operations
- PHASE 5 Building construction
- PHASE 6 Landscaping, cleanup, & permanent ground cover

GENERAL NOTES:

- 1) ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION.
- 2) THE BOTTOM & SIDES OF DETENTION POND SHALL BE SODDED OR SEEDING MATTING ANCHORED BEFORE PAVING CAN BEGIN.
- 3) 75-80% OF ALL DISTURBED AREAS SHALL BE ESTABLISHED W/MIN. OF 1" HIGH GRASS PRIOR TO CITY ACCEPTANCE.

NOTES:

- 1) ALL WORK MUST CONFORM TO CITY OF ROCKWALL & NCTCOG STANDARDS AND DETAILS 4th EDITION.
- 2) ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF ROCKWALL STANDARDS AND DETAILS
- 3) SEE PLAT FOR ALL INFORMATION REGARDING EASEMENTS, PROPERTY LINES, ETC.
- 4) SEE DETAIL SHEETS FOR SWPPP DETAILS.
- 5) ALL CURB INLETS MUST BE PROTECTED TO PREVENT SEDIMENT FROM ENTERING STORM SYSTEM.
- 6) ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION
- 7) THERE ARE NO ONSITE OR ADJACENT SURFACE WATERS OR WETLANDS
- 8) 75-80% OF ALL DISTURBED AREA TO HAVE A MIN. 1" TALL GRASS ESTABLISHED PRIOR TO ENGINEERING ACCEPTANCE.
- 9) ALL CITY R.O.W. MUST BE SODDED IF DISTURBED.

WARNING:
PRIOR TO THE BEGINNING OF ANY CONSTRUCTION OR CONSTRUCTION STAKING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CIVIL ENGINEER TO ENSURE THAT ALL PARTIES ARE IN POSSESSION OF THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS.

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATION OF ALL EXISTING UTILITIES AND EASEMENTS PRIOR TO START OF OPERATIONS. CONTRACTOR WILL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO STARTING THE WORK. EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO START OF CONSTRUCTION. TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

RECORD DRAWING 11-17-17
THIS DOCUMENT IS SUBMITTED AS A "RECORD DRAWING" FOR RECORD PURPOSES ONLY. ANY MODIFICATION OR CHANGES THAT HAVE BEEN MADE DURING CONSTRUCTION AND NOTED ON THIS DRAWING HAVE BEEN SUPPLIED BY THE OWNER, HIS REPRESENTATIVE OR THE CONTRACTOR. FIELD INSPECTION/CONTRACT SUPERVISION OF THE CONSTRUCTION WAS PERFORMED BY OTHERS. IT IS NOT GUARANTEED BY MONK CONSULTING ENGINEERS, INC. THAT THIS DOCUMENT REPRESENTS "AS BUILT" CONDITIONS.
Gerald E. Monk
GERALD E. MONK, P.E.

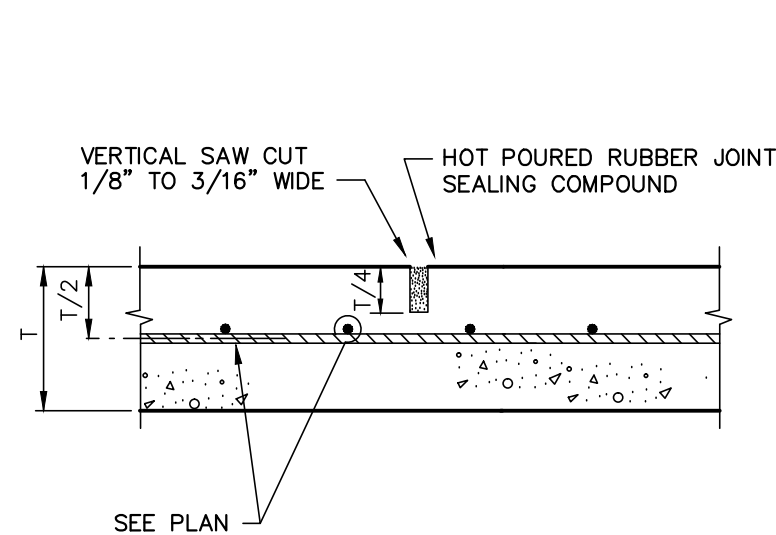
ONLY DRAWINGS STAMPED "RELEASED FOR CONSTRUCTION" BY THE CITY OF ROCKWALL TO BE USED FOR CONSTRUCTION.



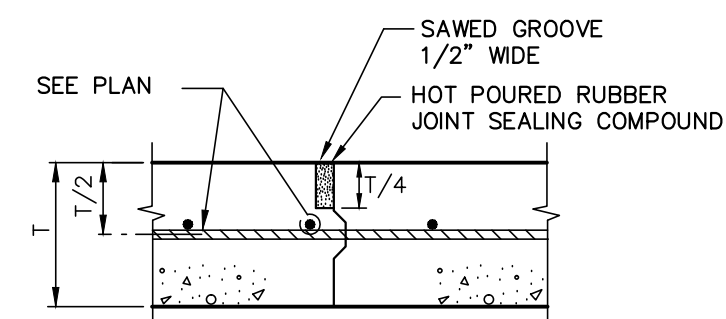
EROSION CONTROL PLAN

EVERYBODY MESSAGE

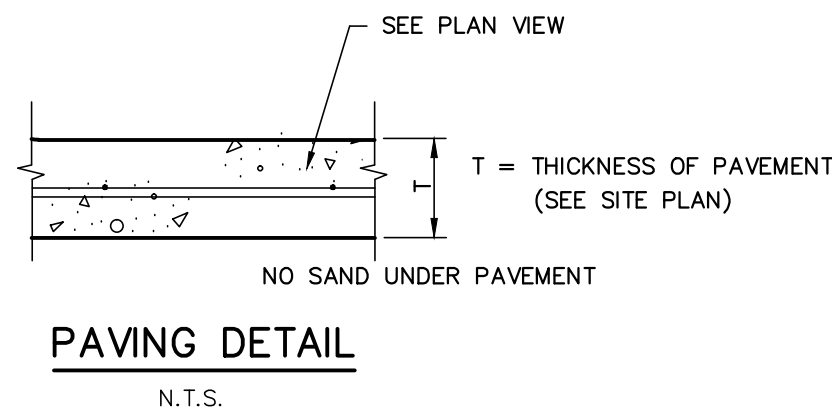
2001 Ridge Road
0.48 Acres
City of Rockwall, Rockwall County, Texas 75087
developer
SUSAN GAMEZ
602 Laurence Dr.
Heath, TX 75032
prepared by
MONK CONSULTING ENGINEERS, INC.
1200 W. State Street, Garland Texas 75040
972-272-1763 Fax 972-272-8761



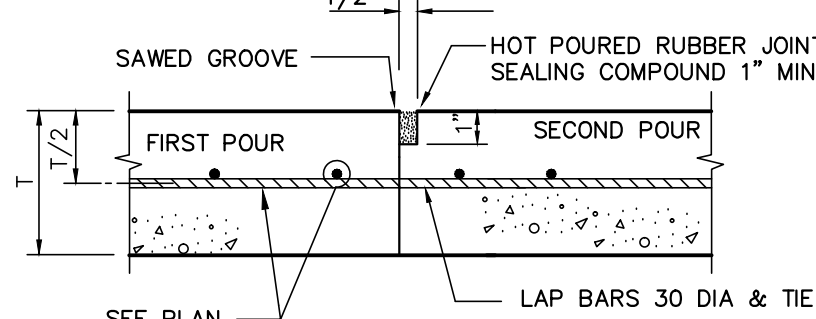
SAWED CONTRACTION JOINT
N.T.S.



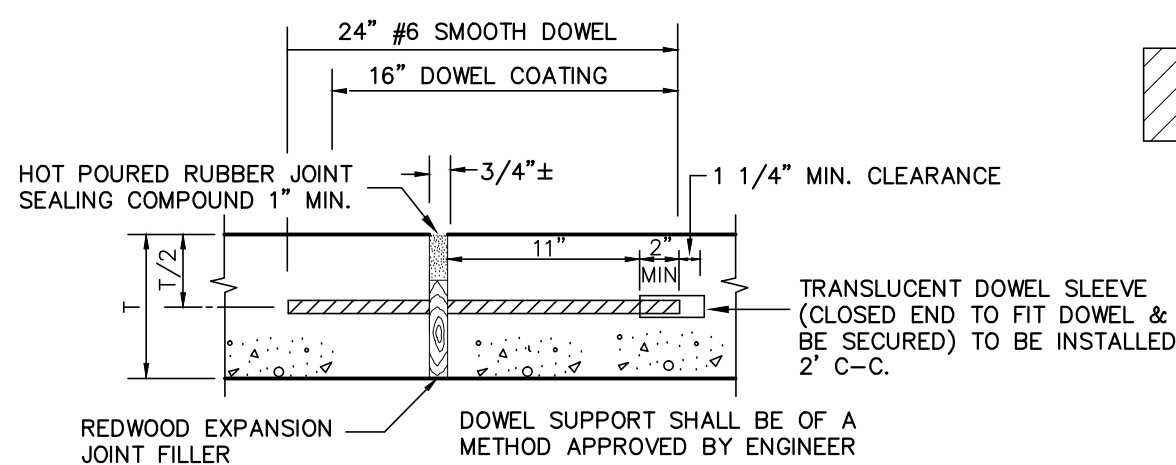
KEYWAY JOINT
(FOR PAVEMENT THICKNESS > 6")
N.T.S.



PAVING DETAIL
N.T.S.

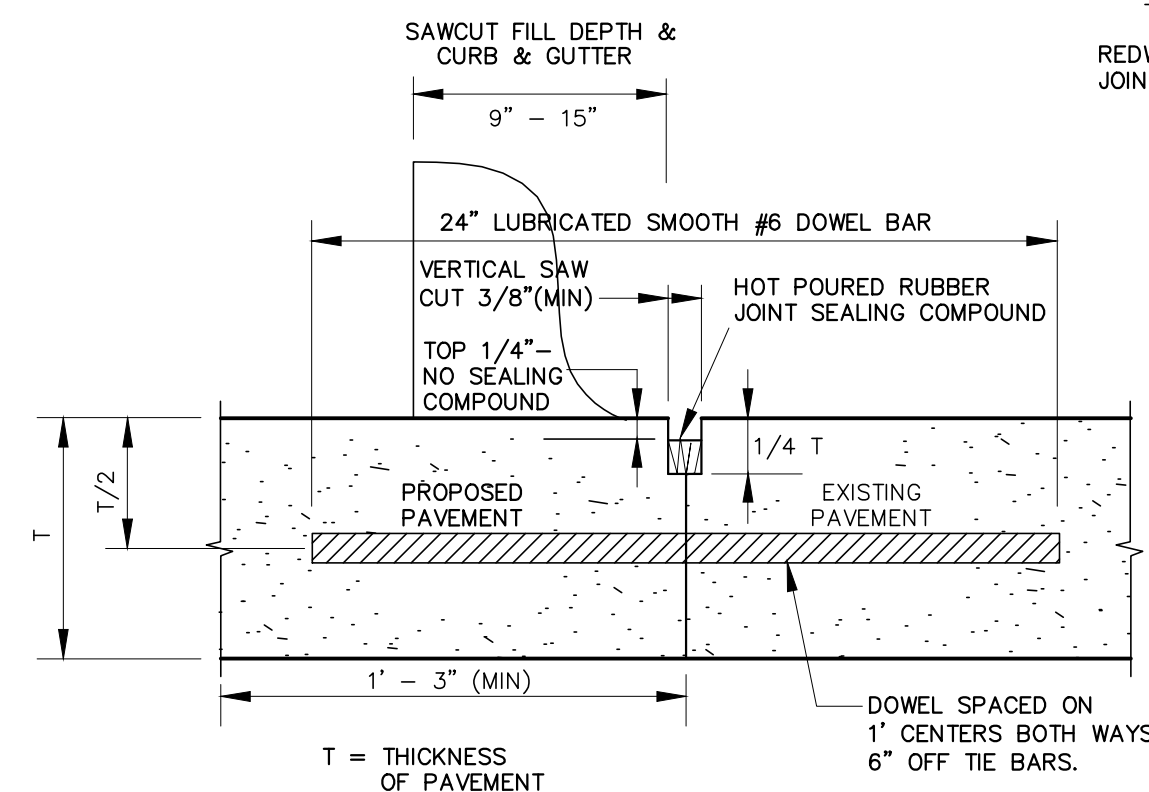


CONSTRUCTION JOINT
N.T.S.
CONSTRUCTION JOINTS
@ 40' O.C. TYP.



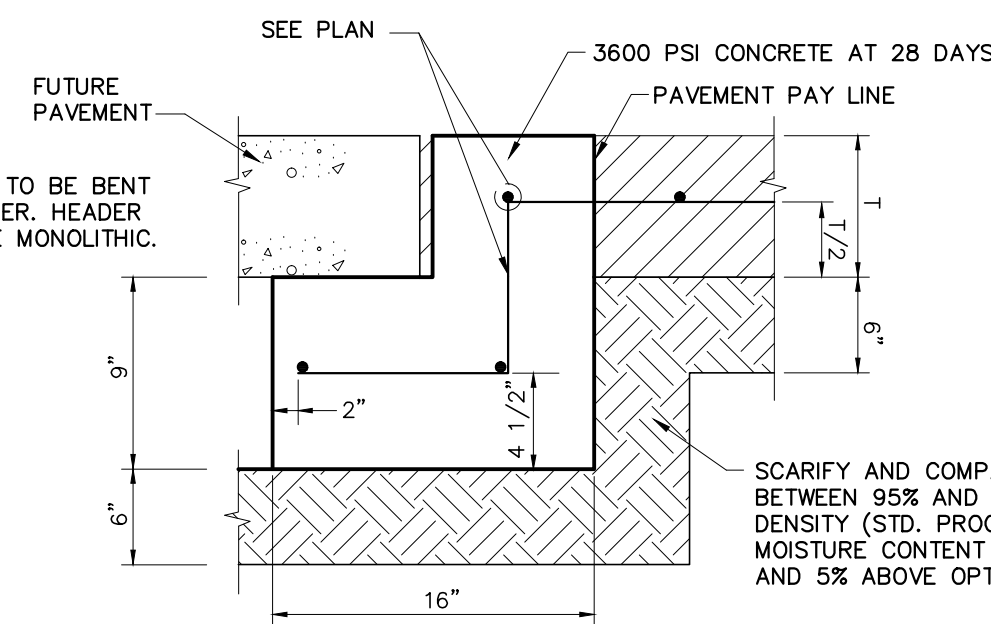
EXPANSION JOINT

(SPACED 300 FT. MAXIMUM; LOCATE AT STRUCTURES AND AT INTERSECTION P.C.'S & P.T.'S)
N.T.S.

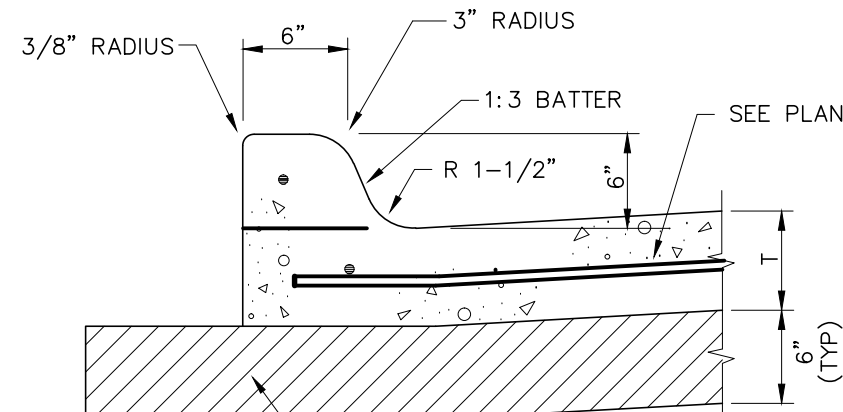


LONGITUDINAL BUTT JOINT
(NEW TO OLD CONCRETE)
N.T.S.

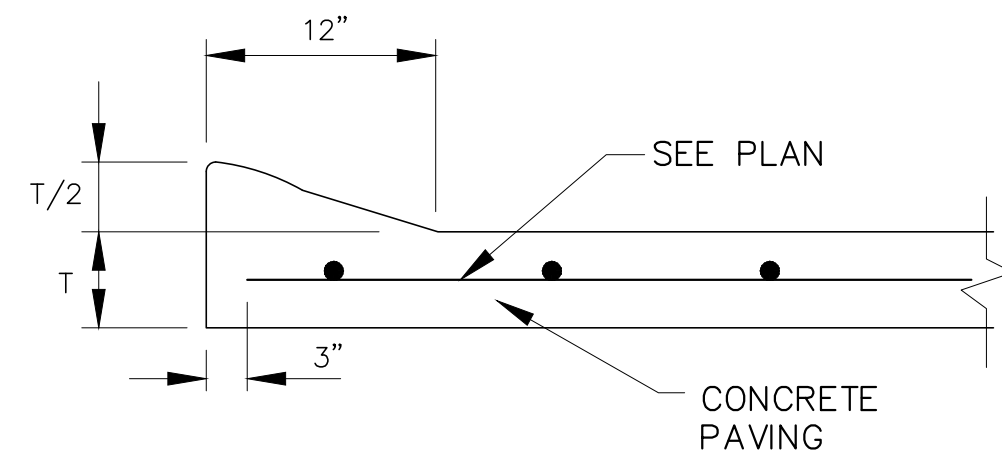
- NOTES:
- NO. 5 SMOOTH DOWEL BAR MAY BE USED IN 5" AND 8" PAVEMENT THICKNESS.
 - LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT (CONTRACTOR'S OPTION.)
 - DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF MECHANICAL RIG.
 - DRILLING BY HAND IS NOT ACCEPTABLE.
 - PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.



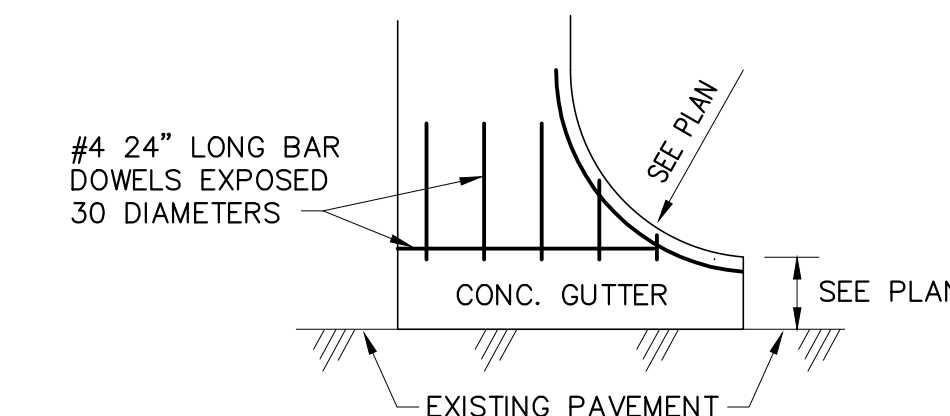
STREET HEADER
N.T.S.



INTEGRAL CURB
N.T.S.

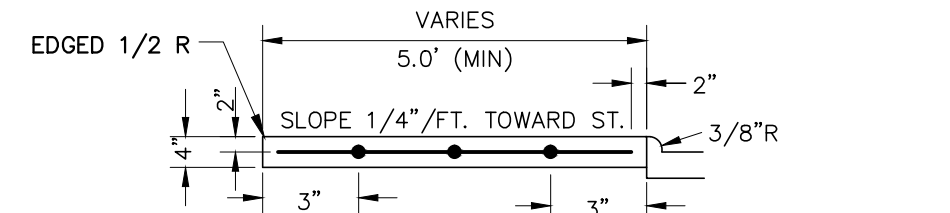


MOUNTABLE MONOLITHIC CURB
N.T.S.



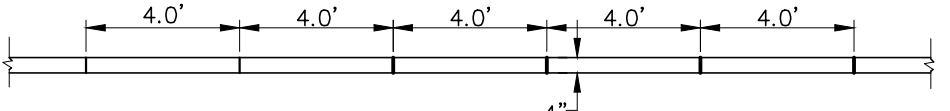
ENTRANCE DETAIL
N.T.S.

CONCRETE ENTRANCE & GUTTER TO EXISTING PAVEMENT

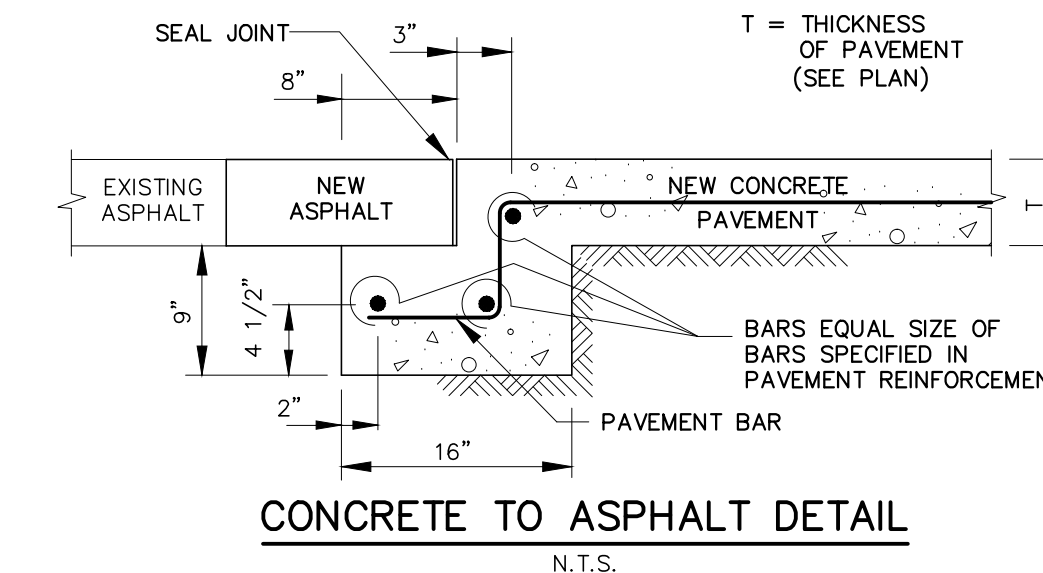


SIDEWALK SECTION @ BLDG
N.T.S.

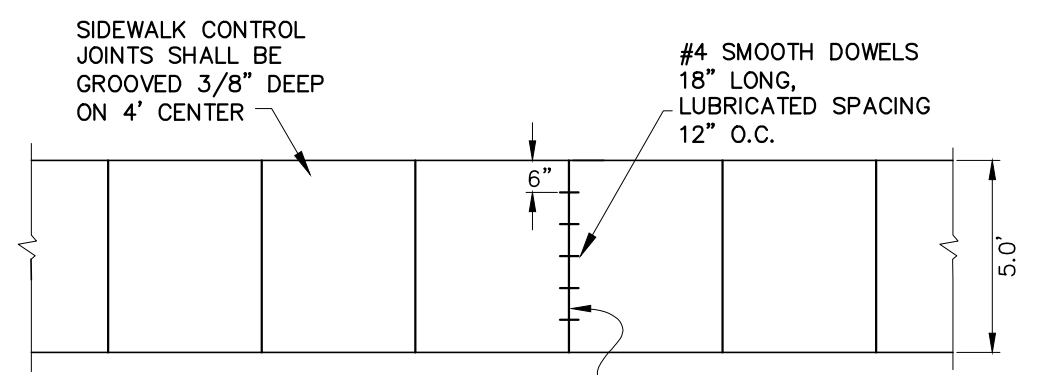
WALK SHALL BE 5.0' WHEN NEXT TO CURB



SIDEWALK SIDE VIEW
N.T.S.

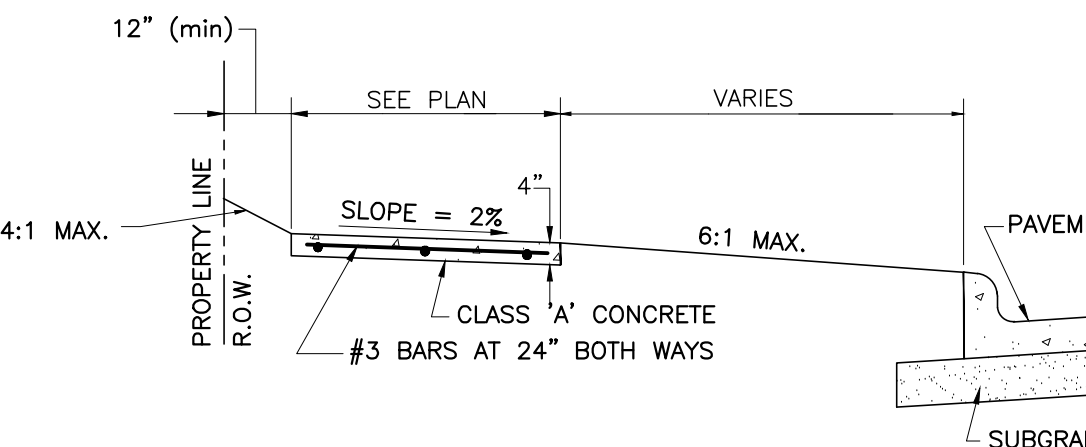


CONCRETE TO ASPHALT DETAIL
N.T.S.

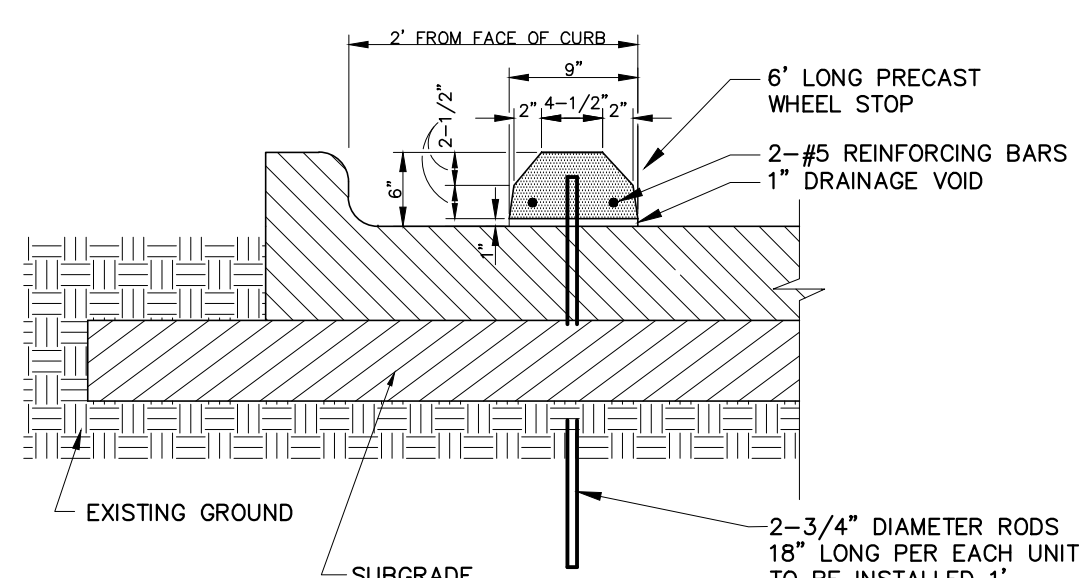


SIDEWALK TOP VIEW
N.T.S.

CONCRETE TO BE MIN. 3000 P.S.I., MIN. 5.5 SACK NO. 3 BARS 24" O.C. EACH WAY
1/2" EXPANSION JOINTS SHALL BE SPACED AT 20' INTERVALS OR AS OTHERWISE SPECIFIED AND JOINTS SHALL BE FILLED WITH PREMOLDED BITUMINOUS.
EXPANSION JOINT FILLER OR REDWOOD SHALL BE FILLED WITH PREMOLDED BITUMINOUS.



SIDEWALK SECTION @ R.O.W.
N.T.S.



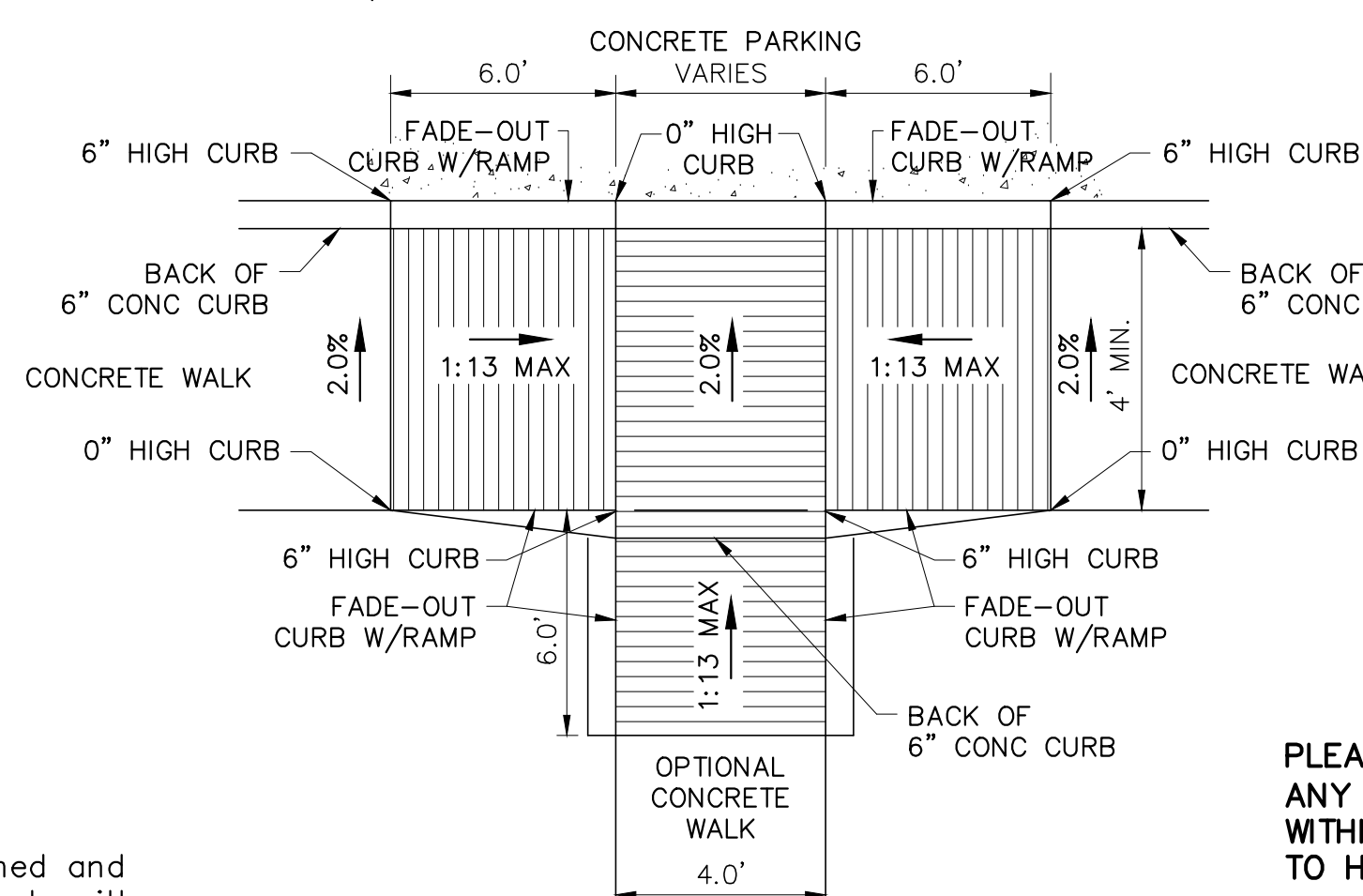
PRECAST CONCRETE WHEEL STOP
(PARKING SPACE MUST BE AT LEAST 20' LONG)
N.T.S.

NOTE: SIGNAGE AND MARKINGS TO BE IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS. PREPARE SURFACE PER STATE OF TEXAS REQUIREMENTS

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

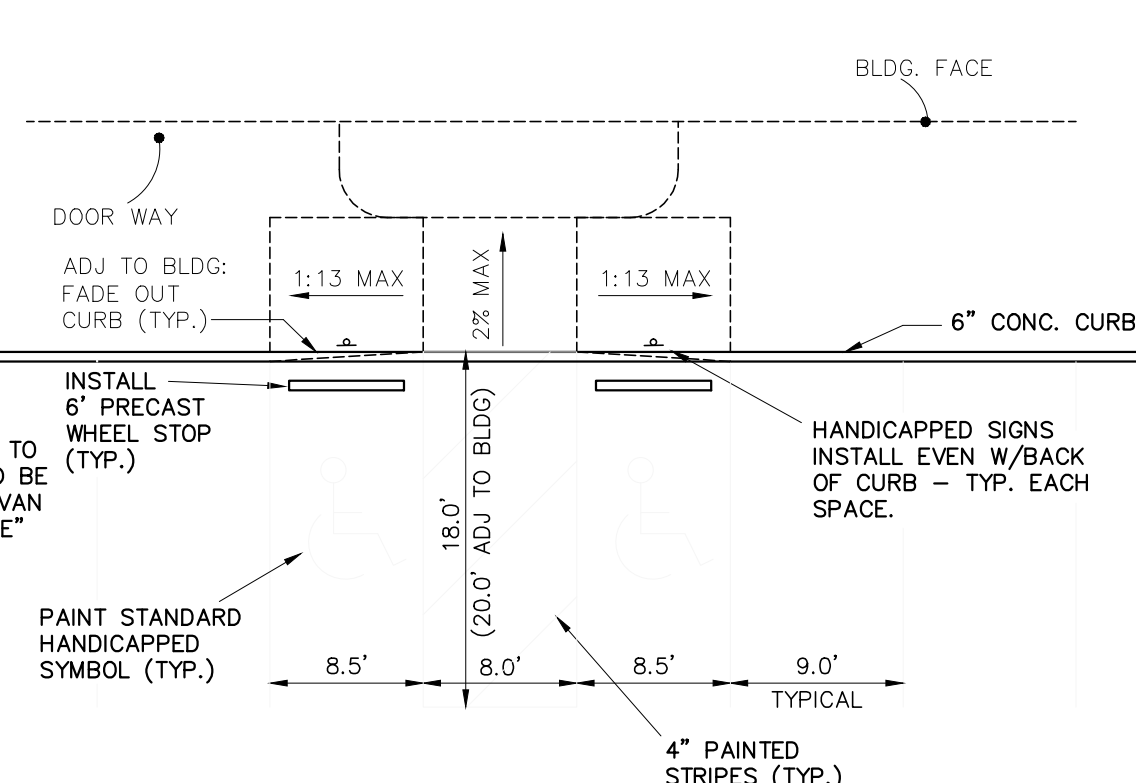
NOTE: SIGNAGE AND MARKINGS TO BE IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS.

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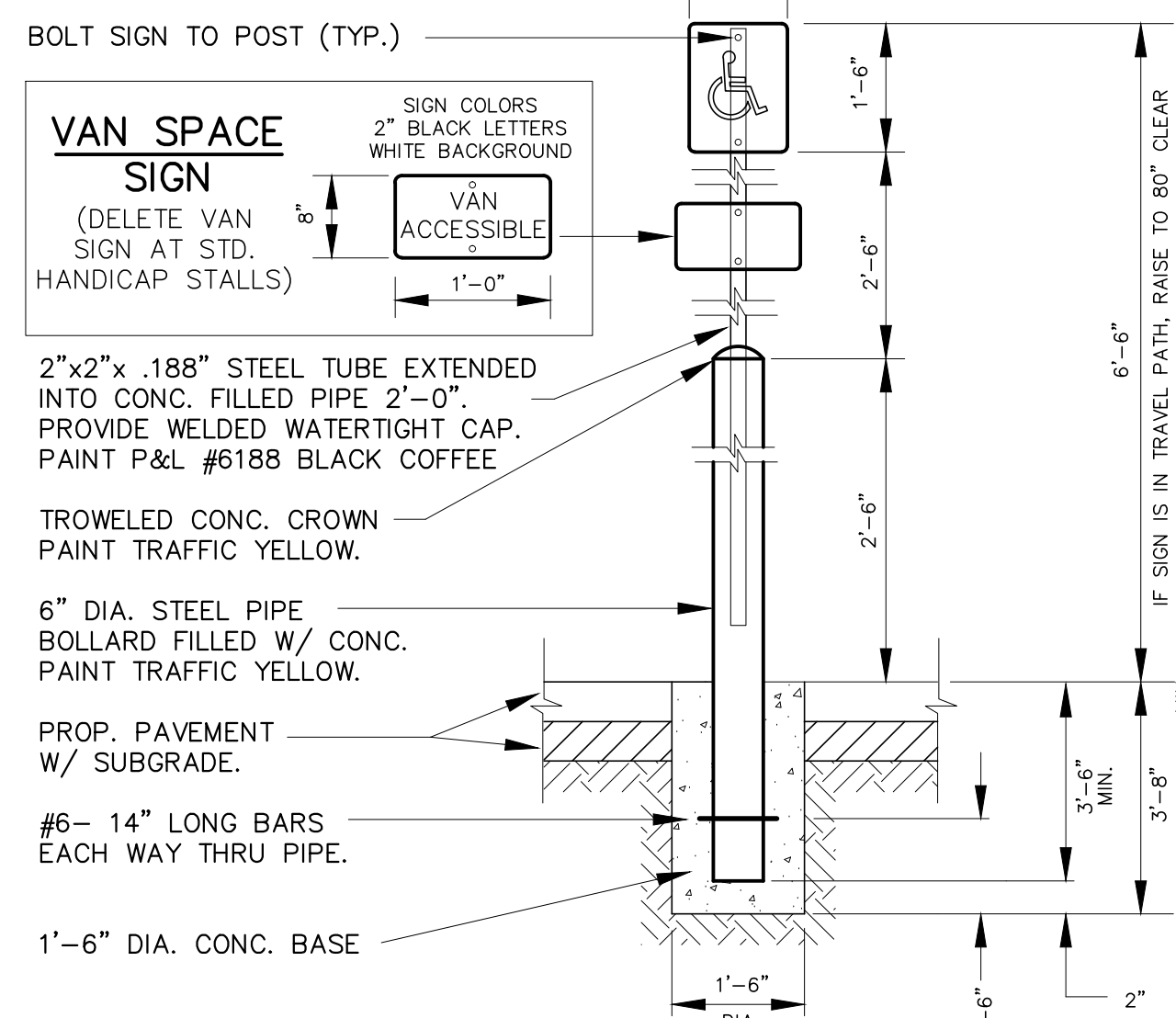


ACCESS RAMP
N.T.S.

PLEASE NOTE: ANY ACCESS RAMP (BFR) LOCATED WITHIN PUBLIC R.O.W. IS REQUIRED TO HAVE TRUNCATED DOMES.



HANDICAP PARKING/STRIPING DETAIL



"HANDICAPPED PARKING" SIGN
N.T.S.

SIGN COLORS
BACKGROUND - WHITE
SYMBOL - BLUE

NOTE: PROVIDE SIGNAGE AT END OF STALL AT LOCATIONS W/ ACCESSIBLE DESIGNATION TO ACT AS BUMPER STOP. 1'-0"x1'-6"x.080" ALUM. HANDICAPPED PARKING SIGN. SIGN TO READ "RESERVED PARKING" W/ IDENTIFICATION SYMBOL, BOLT TO STEEL TUBE W/ 3/8" CADMIUM PLATED BOLTS, NUTS & WASHERS.

NOTE: HANDICAPPED PARKING SIGN SHALL CONFORM WITH ALL CURRENT AND LOCAL CODES AND REGULATIONS.

NOTE: Handicapped parking areas shall be designed and provided per city standards and shall comply with requirements of the current adopted Uniform Building Code.

- NOTES:
- ALL WORK MUST CONFORM TO CITY STANDARDS.
 - ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY STANDARDS AND DETAILS
 - ALL PRIVATE DETAILS ARE SUPERSEDED BY STANDARD CITY DETAILS.

RECORD DRAWING 11-17-17
THIS DOCUMENT IS SUBMITTED AS A "RECORD DRAWING" FOR RECORD PURPOSES ONLY. ANY MODIFICATION OR CHANGES THAT HAVE BEEN MADE DURING CONSTRUCTION AND NOTED ON THIS DRAWING HAVE BEEN SUPPLIED BY THE OWNER, HIS REPRESENTATIVE OR THE CONTRACTOR. FIELD INSPECTION/CONTRACT SUPERVISION OF THE CONSTRUCTION WAS PERFORMED BY OTHERS. IT IS NOT GUARANTEED BY MONK CONSULTING ENGINEERS, INC. THAT THIS DOCUMENT REPRESENTS "AS BUILT" CONDITIONS.
Gerald E. Monk, P.E.



SITE DETAILS
DETAIL SHEETS

prepared by
MONK CONSULTING ENGINEERS
1200 W. State Street, Garland Texas 75040
972 272-1763 Fax 972 272-8761

scale: sheet:
10/17/17 N.T.S. **D101**